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DATA PACKAGE

SUB DATA

PROJECT NAME : REAC COMMODORE

TECHLAW CONSULTANTS, INC

14840 Conference Center Dr.

Suite #200

Chantily, VA - 20151

Phone No: 703-818-3205

ORDER ID : Q1406

ATTENTION : Jonathan Dziekan

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Cover Page

Order ID : Q1406

Project ID : REAC Commodore

Client : TechLaw Consultants, Inc

Lab Sample Number	Client Sample Number
Q1406-01	MW-01-021325
Q1406-02	MW-04-021325
Q1406-03	MW-20D-021325
Q1406-04	MW-20D-FD-021325
Q1406-05	MW-22-021925
Q1406-06	MW-23-021425
Q1406-07	MW-26-021825
Q1406-08	MOS-11R-021325
Q1406-09	MOS-13-021925
Q1406-10	MW-30S-021825
Q1406-11	EB-04-021925
Q1406-12	FB-01-021925
Q1406-13	EB-03-021825

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____ Date: 3/13/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Yazmeen Gomez
Chemtech Consulting Group Inc.
284 Sheffield Street
Mountainside NJ 07092

Generated 03/12/2025

JOB DESCRIPTION

Q1406

JOB NUMBER

410-209941-1

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

See page two for job notes and contact information.

my EOL

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Barb Weyandt

Generated
03/12/2025

Authorized for release by
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Eurofins Lancaster Laboratories Environment Testing, LLC

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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Job Narrative
410-209941-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 2/28/2025 9:55 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.4°C.

Receipt Exceptions
The Field Sampler was not listed on the Chain of Custody.

PFAS
Method 1633_Final: Samples(s) EB-04-021925 (410-209941-11), FB-01-021925 (410-209941-12) and EB-03-021825 (410-209941-13) were submitted in a nonstandard container and subsampling was required. The client was contacted before proceeding.

Method 1633_Final: Samples MW-26-021825 (410-209941-7), MW-11R-021325 (410-209941-8), MW-13-021925 (410-209941-9) and MW-30S-021325 (410-209941-10) were submitted in a nonstandard container. The client was contacted before proceeding.

Method 1633_Final: The recovery for target analyte Perfluoro-3,6-dioxaheptanoic acid is outside the QC acceptance limits in the opening calibration verification standard, biased high. Since the result is high and target is not detected in the following sample: MW-01-021325 (410-209941-1), the data is reported.

Method 1633_Final: The recovery for target analyte Perfluoro-3,6-dioxaheptanoic acid is outside the QC acceptance limits in the opening calibration verification standard, biased high. Since the result is high and target is not detected in the following samples: MW-04-021325 (410-209941-2), MW-20D-021325 (410-209941-3), MW-20D-FD-021325 (410-209941-4), MW-22-021925 (410-209941-5) and MW-23-021425 (410-209941-6), the data is reported.

Method 1633_Final: The transition mass ratio for Perfluorooctanesulfonic acid in sample MW-04-021325 (410-209941-2) in analytical batch 410-613042 was outside of the established ratio limits. However, analyst judgment was used to positively identify the analyte. The analyte is flagged appropriately to identify this exceedance.

Method 1633_Final: The recovery for target analyte 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid is outside the QC acceptance limits in the opening continuing calibration verification standard, biased high. Since the result is high and target is not detected in the following samples: MW-26-021825 (410-209941-7), MW-11R-021325 (410-209941-8), MW-13-021925 (410-209941-9), MW-30S-021325 (410-209941-10), EB-04-021925 (410-209941-11), FB-01-021925 (410-209941-12) and EB-03-021825 (410-209941-13), the data is reported.

Method 1633_Final: The LCS/LCSD labeled isotope(s) 13C7 PFUnA recovery associated with samples: MW-26-021825 (410-209941-7), MW-11R-021325 (410-209941-8), MW-13-021925 (410-209941-9), MW-30S-021325 (410-209941-10), EB-04-021925 (410-209941-11), FB-01-021925 (410-209941-12) and EB-03-021825 (410-209941-13) is outside the QC acceptance limits. Since the recovery for target analytes is within the limits, the data is reported.

Method 1633_Final: The recovery for labeled isotope: 13C2 PFDoA is outside the QC acceptance limits in the closing continuing calibration verification standard, biased high. Since the recovery for the labeled isotope is within QC limits in the following samples: MW-26-021825 (410-209941-7), MW-11R-021325 (410-209941-8), MW-13-021925 (410-209941-9), MW-30S-021325 (410-209941-10), EB-04-021925 (410-209941-11), FB-01-021925 (410-209941-12) and EB-03-021825 (410-209941-13), the data is reported.

Method 1633_Final: The labeled isotopes 13C7 PFUnA are outside QC acceptance limits. Since the recovery in sample MW-26-021825 (410-209941-7), MW-11R-021325 (410-209941-8), MW-30S-021325 (410-209941-10), EB-04-021925 (410-209941-11) and FB-01-021925 (410-209941-12) is less than 200%, the data is reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Chemtech Consulting Group Inc.
Job ID: 410-209941-1
Project/Site: Q1406

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-209941-1	MW-01-021325	Water	02/13/25 09:25	02/28/25 09:55
410-209941-2	MW-04-021325	Water	02/13/25 10:55	02/28/25 09:55
410-209941-3	MW-20D-021325	Water	02/13/25 13:29	02/28/25 09:55
410-209941-4	MW-20D-FD-021325	Water	02/13/25 13:29	02/28/25 09:55
410-209941-5	MW-22-021925	Water	02/19/25 16:50	02/28/25 09:55
410-209941-6	MW-23-021425	Water	02/14/25 14:25	02/28/25 09:55
410-209941-7	MW-26-021825	Water	02/18/25 15:00	02/28/25 09:55
410-209941-8	MW-11R-021325	Water	02/13/25 14:43	02/28/25 09:55
410-209941-9	MW-13-021925	Water	02/19/25 10:32	02/28/25 09:55
410-209941-10	MW-30S-021325	Water	02/13/25 16:05	02/28/25 09:55
410-209941-11	EB-04-021925	Water	02/19/25 18:00	02/28/25 09:55
410-209941-12	FB-01-021925	Water	02/19/25 16:00	02/28/25 09:55
410-209941-13	EB-03-021825	Water	02/18/25 15:32	02/28/25 09:55

Client Sample ID: MW-01-021325 — Lab Sample ID: 410-209941-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	6.3		3.7	1.0	ng/L	1		1633	Total/NA
Perfluoropentanoic acid	3.6		1.8	0.55	ng/L	1		1633	Total/NA
Perfluorohexanoic acid	3.4		1.8	0.46	ng/L	1		1633	Total/NA
Perfluoroheptanoic acid	2.0		1.8	0.74	ng/L	1		1633	Total/NA
Perfluorooctanoic acid	9.1		1.8	0.83	ng/L	1		1633	Total/NA
Perfluorononanoic acid	3.5		1.8	0.46	ng/L	1		1633	Total/NA
Perfluorodecanoic acid	0.80	J	1.8	0.46	ng/L	1		1633	Total/NA
Perfluorobutanesulfonic acid	3.3		1.8	0.46	ng/L	1		1633	Total/NA
Perfluorohexanesulfonic acid	1.2	J	1.8	0.74	ng/L	1		1633	Total/NA
Perfluorooctanesulfonic acid	4.3		1.8	0.46	ng/L	1		1633	Total/NA
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	1.4	J	3.7	0.92	ng/L	1		1633	Total/NA

Client Sample ID: MW-04-021325 — Lab Sample ID: 410-209941-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	7.9		3.7	1.0	ng/L	1		1633	Total/NA
Perfluoropentanoic acid	15		1.8	0.55	ng/L	1		1633	Total/NA
Perfluorohexanoic acid	11		1.8	0.46	ng/L	1		1633	Total/NA
Perfluoroheptanoic acid	3.8		1.8	0.74	ng/L	1		1633	Total/NA
Perfluorooctanoic acid	7.9		1.8	0.83	ng/L	1		1633	Total/NA
Perfluorononanoic acid	1.6	J	1.8	0.46	ng/L	1		1633	Total/NA
Perfluorobutanesulfonic acid	7.7		1.8	0.46	ng/L	1		1633	Total/NA
Perfluorohexanesulfonic acid	1.1	J	1.8	0.74	ng/L	1		1633	Total/NA
Perfluorooctanesulfonic acid	2.5	I cn	1.8	0.46	ng/L	1		1633	Total/NA
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	3.9	J	9.2	2.3	ng/L	1		1633	Total/NA
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	4.0	J	9.2	2.3	ng/L	1		1633	Total/NA

Client Sample ID: MW-20D-021325 — Lab Sample ID: 410-209941-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	7.2		3.8	1.0	ng/L	1		1633	Total/NA
Perfluoropentanoic acid	14		1.9	0.57	ng/L	1		1633	Total/NA
Perfluorohexanoic acid	13		1.9	0.48	ng/L	1		1633	Total/NA
Perfluoroheptanoic acid	7.7		1.9	0.76	ng/L	1		1633	Total/NA
Perfluorooctanoic acid	19		1.9	0.86	ng/L	1		1633	Total/NA
Perfluorononanoic acid	6.7		1.9	0.48	ng/L	1		1633	Total/NA
Perfluorodecanoic acid	0.95	J	1.9	0.48	ng/L	1		1633	Total/NA
Perfluorobutanesulfonic acid	3.0		1.9	0.48	ng/L	1		1633	Total/NA
Perfluorohexanesulfonic acid	1.7	J	1.9	0.76	ng/L	1		1633	Total/NA
Perfluorooctanesulfonic acid	37		1.9	0.48	ng/L	1		1633	Total/NA

Client Sample ID: MW-20D-FD-021325 — Lab Sample ID: 410-209941-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	7.1		4.1	1.1	ng/L	1		1633	Total/NA
Perfluoropentanoic acid	14		2.0	0.61	ng/L	1		1633	Total/NA
Perfluorohexanoic acid	12		2.0	0.51	ng/L	1		1633	Total/NA
Perfluoroheptanoic acid	7.6		2.0	0.81	ng/L	1		1633	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-20D-FD-021325 (Continued)

Lab Sample ID: 410-209941-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid	19		2.0	0.91	ng/L	1		1633	Total/NA
Perfluorononanoic acid	6.4		2.0	0.51	ng/L	1		1633	Total/NA
Perfluorodecanoic acid	1.1	J	2.0	0.51	ng/L	1		1633	Total/NA
Perfluorobutanesulfonic acid	2.9		2.0	0.51	ng/L	1		1633	Total/NA
Perfluorohexanesulfonic acid	1.6	J	2.0	0.81	ng/L	1		1633	Total/NA
Perfluorooctanesulfonic acid	37		2.0	0.51	ng/L	1		1633	Total/NA

Client Sample ID: MW-22-021925

Lab Sample ID: 410-209941-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	4.0		3.8	1.1	ng/L	1		1633	Total/NA
Perfluoropentanoic acid	4.2		1.9	0.58	ng/L	1		1633	Total/NA
Perfluorohexanoic acid	4.5		1.9	0.48	ng/L	1		1633	Total/NA
Perfluoroheptanoic acid	2.8		1.9	0.77	ng/L	1		1633	Total/NA
Perfluorooctanoic acid	10		1.9	0.86	ng/L	1		1633	Total/NA
Perfluorononanoic acid	2.9		1.9	0.48	ng/L	1		1633	Total/NA
Perfluorobutanesulfonic acid	6.3		1.9	0.48	ng/L	1		1633	Total/NA
Perfluorohexanesulfonic acid	1.8	J	1.9	0.77	ng/L	1		1633	Total/NA
Perfluorooctanesulfonic acid	5.4		1.9	0.48	ng/L	1		1633	Total/NA

Client Sample ID: MW-23-021425

Lab Sample ID: 410-209941-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	4.0		3.8	1.0	ng/L	1		1633	Total/NA
Perfluoropentanoic acid	5.0		1.9	0.57	ng/L	1		1633	Total/NA
Perfluorohexanoic acid	4.3		1.9	0.47	ng/L	1		1633	Total/NA
Perfluoroheptanoic acid	1.9		1.9	0.75	ng/L	1		1633	Total/NA
Perfluorooctanoic acid	7.9		1.9	0.85	ng/L	1		1633	Total/NA
Perfluorononanoic acid	2.5		1.9	0.47	ng/L	1		1633	Total/NA
Perfluorobutanesulfonic acid	1.7	J	1.9	0.47	ng/L	1		1633	Total/NA
Perfluorohexanesulfonic acid	0.91	J	1.9	0.75	ng/L	1		1633	Total/NA
Perfluorooctanesulfonic acid	4.5		1.9	0.47	ng/L	1		1633	Total/NA

Client Sample ID: MW-26-021825

Lab Sample ID: 410-209941-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid	1.3	J	1.8	0.53	ng/L	1		1633	Total/NA
Perfluoroheptanoic acid	1.0	J	1.8	0.71	ng/L	1		1633	Total/NA
Perfluorooctanoic acid	6.7		1.8	0.80	ng/L	1		1633	Total/NA
Perfluorononanoic acid	4.9		1.8	0.44	ng/L	1		1633	Total/NA
Perfluorobutanesulfonic acid	0.96	J	1.8	0.44	ng/L	1		1633	Total/NA
Perfluorohexanesulfonic acid	1.5	J	1.8	0.71	ng/L	1		1633	Total/NA
Perfluorooctanesulfonic acid	3.1		1.8	0.44	ng/L	1		1633	Total/NA

Client Sample ID: MW-11R-021325

Lab Sample ID: 410-209941-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	8.9		3.6	0.98	ng/L	1		1633	Total/NA
Perfluoropentanoic acid	16		1.8	0.53	ng/L	1		1633	Total/NA
Perfluorohexanoic acid	14		1.8	0.44	ng/L	1		1633	Total/NA
Perfluoroheptanoic acid	8.3		1.8	0.71	ng/L	1		1633	Total/NA
Perfluorooctanoic acid	20		1.8	0.80	ng/L	1		1633	Total/NA
Perfluorononanoic acid	6.6		1.8	0.44	ng/L	1		1633	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-11R-021325 (Continued)
Lab Sample ID: 410-209941-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorodecanoic acid	1.8	I	1.8	0.44	ng/L	1		1633	Total/NA
Perfluorobutanesulfonic acid	4.5		1.8	0.44	ng/L	1		1633	Total/NA
Perfluorohexanesulfonic acid	3.6		1.8	0.71	ng/L	1		1633	Total/NA
Perfluorooctanesulfonic acid	20		1.8	0.44	ng/L	1		1633	Total/NA

Client Sample ID: MW-13-021925
Lab Sample ID: 410-209941-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	8.2		3.6	0.98	ng/L	1		1633	Total/NA
Perfluoropentanoic acid	11		1.8	0.53	ng/L	1		1633	Total/NA
Perfluorohexanoic acid	10		1.8	0.45	ng/L	1		1633	Total/NA
Perfluoroheptanoic acid	7.0		1.8	0.71	ng/L	1		1633	Total/NA
Perfluorooctanoic acid	27		1.8	0.80	ng/L	1		1633	Total/NA
Perfluorononanoic acid	5.5		1.8	0.45	ng/L	1		1633	Total/NA
Perfluorodecanoic acid	0.97	J	1.8	0.45	ng/L	1		1633	Total/NA
Perfluorobutanesulfonic acid	2.9		1.8	0.45	ng/L	1		1633	Total/NA
Perfluorohexanesulfonic acid	1.9		1.8	0.71	ng/L	1		1633	Total/NA
Perfluoroheptanesulfonic acid	0.50	J	1.8	0.45	ng/L	1		1633	Total/NA
Perfluorooctanesulfonic acid	56		1.8	0.45	ng/L	1		1633	Total/NA

Client Sample ID: MW-30S-021325
Lab Sample ID: 410-209941-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	4.9		3.6	0.98	ng/L	1		1633	Total/NA
Perfluoropentanoic acid	3.9		1.8	0.54	ng/L	1		1633	Total/NA
Perfluorohexanoic acid	4.5		1.8	0.45	ng/L	1		1633	Total/NA
Perfluoroheptanoic acid	2.7		1.8	0.72	ng/L	1		1633	Total/NA
Perfluorooctanoic acid	11		1.8	0.81	ng/L	1		1633	Total/NA
Perfluorononanoic acid	4.9		1.8	0.45	ng/L	1		1633	Total/NA
Perfluorobutanesulfonic acid	2.9		1.8	0.45	ng/L	1		1633	Total/NA
Perfluorohexanesulfonic acid	1.7	J	1.8	0.72	ng/L	1		1633	Total/NA
Perfluorooctanesulfonic acid	7.1		1.8	0.45	ng/L	1		1633	Total/NA

Client Sample ID: EB-04-021925
Lab Sample ID: 410-209941-11

No Detections.

Client Sample ID: FB-01-021925
Lab Sample ID: 410-209941-12

No Detections.

Client Sample ID: EB-03-021825
Lab Sample ID: 410-209941-13

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Chemtech Consulting Group Inc.
Project/Site: Q1406

Job ID: 410-209941-1

Method	Method Description	Protocol	Laboratory
1633	Per- and Polyfluoroalkyl Substances by LC/MS/MS	EPA	ELLE
1633	Solid-Phase Extraction (SPE)	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Client: Chemtech Consulting Group Inc.
Project/Site: Q1406

Job ID: 410-209941-1

Client Sample ID: MW-01-021325
Date Collected: 02/13/25 09:25
Date Received: 02/28/25 09:55

Lab Sample ID: 410-209941-1
Matrix: Water

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid	**6.3**		3.7	1.0	ng/L		03/05/25 07:58	03/06/25 06:59	1
Perfluoropentanoic acid	**3.6**		1.8	0.55	ng/L		03/05/25 07:58	03/06/25 06:59	1
Perfluorohexanoic acid	**3.4**		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 06:59	1
Perfluoroheptanoic acid	**2.0**		1.8	0.74	ng/L		03/05/25 07:58	03/06/25 06:59	1
Perfluorooctanoic acid	**9.1**		1.8	0.83	ng/L		03/05/25 07:58	03/06/25 06:59	1
Perfluorononanoic acid	**3.5**		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 06:59	1
Perfluorodecanoic acid	**0.80**	**J**	1.8	0.46	ng/L		03/05/25 07:58	03/06/25 06:59	1
Perfluoroundecanoic acid	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 06:59	1
Perfluorododecanoic acid	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 06:59	1
Perfluorotridecanoic acid	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 06:59	1
Perfluorotetradecanoic acid	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 06:59	1
Perfluorobutanesulfonic acid	**3.3**		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 06:59	1
Perfluoropentanesulfonic acid	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 06:59	1
Perfluorohexanesulfonic acid	**1.2**	**J**	1.8	0.74	ng/L		03/05/25 07:58	03/06/25 06:59	1
Perfluoroheptanesulfonic acid	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 06:59	1
Perfluorooctanesulfonic acid	**4.3**		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 06:59	1
Perfluorononanesulfonic acid	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 06:59	1
Perfluorodecanesulfonic acid	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 06:59	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.55	ng/L		03/05/25 07:58	03/06/25 06:59	1
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		3.7	0.92	ng/L		03/05/25 07:58	03/06/25 06:59	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	**1.4**	**J**	3.7	0.92	ng/L		03/05/25 07:58	03/06/25 06:59	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		3.7	0.92	ng/L		03/05/25 07:58	03/06/25 06:59	1
Perfluorooctanesulfonamide	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 06:59	1
NMeFOSA	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 06:59	1
N-ethylperfluoro-1-octanesulfonamide	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 06:59	1
NMeFOSAA	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 06:59	1
NEtFOSAA	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 06:59	1
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	ND		9.2	2.3	ng/L		03/05/25 07:58	03/06/25 06:59	1
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	ND		9.2	2.3	ng/L		03/05/25 07:58	03/06/25 06:59	1
HFPO-DA	ND		1.8	0.69	ng/L		03/05/25 07:58	03/06/25 06:59	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 06:59	1
Perfluoro-3-methoxypropanoic acid	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 06:59	1
Perfluoro(4-methoxybutanoic acid)	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 06:59	1
Perfluoro-3,6-dioxaheptanoic acid	ND	cn	1.8	0.46	ng/L		03/05/25 07:58	03/06/25 06:59	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 06:59	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 06:59	1
PFEESA	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 06:59	1
3:3 FTCA	ND		3.7	0.92	ng/L		03/05/25 07:58	03/06/25 06:59	1
5:3 FTCA	ND		9.2	2.6	ng/L		03/05/25 07:58	03/06/25 06:59	1
7:3 FTCA	ND		9.2	2.3	ng/L		03/05/25 07:58	03/06/25 06:59	1

Client Sample ID: MW-01-021325 **Lab Sample ID: 410-209941-1**
Date Collected: 02/13/25 09:25 **Matrix: Water**
Date Received: 02/28/25 09:55

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*74.0*		*5 - 130*	*03/05/25 07:58*	*03/06/25 06:59*	*1*
13C5 PFPeA	*76.0*		*40 - 130*	*03/05/25 07:58*	*03/06/25 06:59*	*1*
13C5 PFHxA	*73.8*		*40 - 130*	*03/05/25 07:58*	*03/06/25 06:59*	*1*
13C4 PFHpA	*79.5*		*40 - 130*	*03/05/25 07:58*	*03/06/25 06:59*	*1*
13C8 PFOA	*72.8*		*40 - 130*	*03/05/25 07:58*	*03/06/25 06:59*	*1*
13C9 PFNA	*76.2*		*40 - 130*	*03/05/25 07:58*	*03/06/25 06:59*	*1*
13C6 PFDA	*67.5*		*40 - 130*	*03/05/25 07:58*	*03/06/25 06:59*	*1*
13C7 PFUnA	*62.4*		*30 - 130*	*03/05/25 07:58*	*03/06/25 06:59*	*1*
13C2 PFTeDA	*67.6*		*10 - 130*	*03/05/25 07:58*	*03/06/25 06:59*	*1*
13C3 PFBS	*74.2*		*40 - 135*	*03/05/25 07:58*	*03/06/25 06:59*	*1*
13C3 PFHxS	*75.8*		*40 - 130*	*03/05/25 07:58*	*03/06/25 06:59*	*1*
13C8 PFOS	*78.4*		*40 - 130*	*03/05/25 07:58*	*03/06/25 06:59*	*1*
13C8 FOSA	*52.9*		*40 - 130*	*03/05/25 07:58*	*03/06/25 06:59*	*1*
d3-NMeFOSAA	*65.0*		*40 - 170*	*03/05/25 07:58*	*03/06/25 06:59*	*1*
d5-NEtFOSAA	*65.7*		*25 - 135*	*03/05/25 07:58*	*03/06/25 06:59*	*1*
M2-4:2 FTS	*67.6*		*40 - 200*	*03/05/25 07:58*	*03/06/25 06:59*	*1*
M2-6:2 FTS	*77.1*		*40 - 200*	*03/05/25 07:58*	*03/06/25 06:59*	*1*
M2-8:2 FTS	*62.7*		*40 - 300*	*03/05/25 07:58*	*03/06/25 06:59*	*1*
13C3 HFPO-DA	*71.1*		*40 - 130*	*03/05/25 07:58*	*03/06/25 06:59*	*1*
d7-N-MeFOSE-M	*51.8*		*10 - 130*	*03/05/25 07:58*	*03/06/25 06:59*	*1*
d9-N-EtFOSE-M	*53.2*		*10 - 130*	*03/05/25 07:58*	*03/06/25 06:59*	*1*
d5-NEtPFOSA	*46.7*		*10 - 130*	*03/05/25 07:58*	*03/06/25 06:59*	*1*
d3-NMePFOSA	*45.3*		*10 - 130*	*03/05/25 07:58*	*03/06/25 06:59*	*1*
13C2 PFDoA	*54.6*		*10 - 130*	*03/05/25 07:58*	*03/06/25 06:59*	*1*

Client Sample ID: MW-04-021325 **Lab Sample ID: 410-209941-2**
Date Collected: 02/13/25 10:55 **Matrix: Water**
Date Received: 02/28/25 09:55

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid	**7.9**		3.7	1.0	ng/L		03/05/25 07:58	03/06/25 07:13	1
Perfluoropentanoic acid	**15**		1.8	0.55	ng/L		03/05/25 07:58	03/06/25 07:13	1
Perfluorohexanoic acid	**11**		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 07:13	1
Perfluoroheptanoic acid	**3.8**		1.8	0.74	ng/L		03/05/25 07:58	03/06/25 07:13	1
Perfluorooctanoic acid	**7.9**		1.8	0.83	ng/L		03/05/25 07:58	03/06/25 07:13	1
Perfluorononanoic acid	**1.6**	**J**	1.8	0.46	ng/L		03/05/25 07:58	03/06/25 07:13	1
Perfluorodecanoic acid	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 07:13	1
Perfluoroundecanoic acid	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 07:13	1
Perfluorododecanoic acid	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 07:13	1
Perfluorotridecanoic acid	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 07:13	1
Perfluorotetradecanoic acid	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 07:13	1
Perfluorobutanesulfonic acid	**7.7**		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 07:13	1
Perfluoropentanesulfonic acid	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 07:13	1
Perfluorohexanesulfonic acid	**1.1**	**J**	1.8	0.74	ng/L		03/05/25 07:58	03/06/25 07:13	1
Perfluoroheptanesulfonic acid	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 07:13	1
Perfluorooctanesulfonic acid	**2.5**	**I cn**	1.8	0.46	ng/L		03/05/25 07:58	03/06/25 07:13	1
Perfluorononanesulfonic acid	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 07:13	1
Perfluorodecanesulfonic acid	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 07:13	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.55	ng/L		03/05/25 07:58	03/06/25 07:13	1

Client: Chemtech Consulting Group Inc.
Project/Site: Q1406

Job ID: 410-209941-1

Client Sample ID: MW-04-021325
Date Collected: 02/13/25 10:55
Date Received: 02/28/25 09:55

Lab Sample ID: 410-209941-2
Matrix: Water

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		3.7	0.92	ng/L		03/05/25 07:58	03/06/25 07:13	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		3.7	0.92	ng/L		03/05/25 07:58	03/06/25 07:13	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		3.7	0.92	ng/L		03/05/25 07:58	03/06/25 07:13	1
Perfluorooctanesulfonamide	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 07:13	1
NMeFOSA	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 07:13	1
N-ethylperfluoro-1-octanesulfonamide	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 07:13	1
NMeFOSAA	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 07:13	1
NEtFOSAA	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 07:13	1
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	**3.9**	**J**	9.2	2.3	ng/L		03/05/25 07:58	03/06/25 07:13	1
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	**4.0**	**J**	9.2	2.3	ng/L		03/05/25 07:58	03/06/25 07:13	1
HFPO-DA	ND		1.8	0.69	ng/L		03/05/25 07:58	03/06/25 07:13	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 07:13	1
Perfluoro-3-methoxypropanoic acid	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 07:13	1
Perfluoro(4-methoxybutanoic acid)	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 07:13	1
Perfluoro-3,6-dioxaheptanoic acid	ND	cn	1.8	0.46	ng/L		03/05/25 07:58	03/06/25 07:13	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 07:13	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 07:13	1
PFEESA	ND		1.8	0.46	ng/L		03/05/25 07:58	03/06/25 07:13	1
3:3 FTCA	ND		3.7	0.92	ng/L		03/05/25 07:58	03/06/25 07:13	1
5:3 FTCA	ND		9.2	2.6	ng/L		03/05/25 07:58	03/06/25 07:13	1
7:3 FTCA	ND		9.2	2.3	ng/L		03/05/25 07:58	03/06/25 07:13	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*71.5*		*5 - 130*	*03/05/25 07:58*	*03/06/25 07:13*	*1*
13C5 PFPeA	*72.3*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:13*	*1*
13C5 PFHxA	*70.2*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:13*	*1*
13C4 PFHpA	*77.7*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:13*	*1*
13C8 PFOA	*68.6*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:13*	*1*
13C9 PFNA	*70.4*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:13*	*1*
13C6 PFDA	*62.7*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:13*	*1*
13C7 PFUnA	*64.3*		*30 - 130*	*03/05/25 07:58*	*03/06/25 07:13*	*1*
13C2 PFTeDA	*69.6*		*10 - 130*	*03/05/25 07:58*	*03/06/25 07:13*	*1*
13C3 PFBS	*67.9*		*40 - 135*	*03/05/25 07:58*	*03/06/25 07:13*	*1*
13C3 PFHxS	*68.8*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:13*	*1*
13C8 PFOS	*69.5*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:13*	*1*
13C8 FOSA	*50.9*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:13*	*1*
d3-NMeFOSAA	*61.3*		*40 - 170*	*03/05/25 07:58*	*03/06/25 07:13*	*1*
d5-NEtFOSAA	*68.8*		*25 - 135*	*03/05/25 07:58*	*03/06/25 07:13*	*1*
M2-4:2 FTS	*60.3*		*40 - 200*	*03/05/25 07:58*	*03/06/25 07:13*	*1*
M2-6:2 FTS	*66.1*		*40 - 200*	*03/05/25 07:58*	*03/06/25 07:13*	*1*
M2-8:2 FTS	*56.5*		*40 - 300*	*03/05/25 07:58*	*03/06/25 07:13*	*1*
13C3 HFPO-DA	*71.2*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:13*	*1*

Client Sample ID: MW-04-021325 — Lab Sample ID: 410-209941-2

Date Collected: 02/13/25 10:55 — **Matrix: Water**
Date Received: 02/28/25 09:55

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d7-N-MeFOSE-M	*54.7*		*10 - 130*	*03/05/25 07:58*	*03/06/25 07:13*	*1*
d9-N-EtFOSE-M	*55.8*		*10 - 130*	*03/05/25 07:58*	*03/06/25 07:13*	*1*
d5-NEtPFOSA	*50.5*		*10 - 130*	*03/05/25 07:58*	*03/06/25 07:13*	*1*
d3-NMePFOSA	*48.7*		*10 - 130*	*03/05/25 07:58*	*03/06/25 07:13*	*1*
13C2 PFDoA	*60.2*		*10 - 130*	*03/05/25 07:58*	*03/06/25 07:13*	*1*

Client Sample ID: MW-20D-021325 — Lab Sample ID: 410-209941-3

Date Collected: 02/13/25 13:29 — **Matrix: Water**
Date Received: 02/28/25 09:55

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid	**7.2**		3.8	1.0	ng/L		03/05/25 07:58	03/06/25 07:27	1
Perfluoropentanoic acid	**14**		1.9	0.57	ng/L		03/05/25 07:58	03/06/25 07:27	1
Perfluorohexanoic acid	**13**		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:27	1
Perfluoroheptanoic acid	**7.7**		1.9	0.76	ng/L		03/05/25 07:58	03/06/25 07:27	1
Perfluorooctanoic acid	**19**		1.9	0.86	ng/L		03/05/25 07:58	03/06/25 07:27	1
Perfluorononanoic acid	**6.7**		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:27	1
Perfluorodecanoic acid	**0.95**	**J**	1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:27	1
Perfluoroundecanoic acid	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:27	1
Perfluorododecanoic acid	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:27	1
Perfluorotridecanoic acid	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:27	1
Perfluorotetradecanoic acid	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:27	1
Perfluorobutanesulfonic acid	**3.0**		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:27	1
Perfluoropentanesulfonic acid	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:27	1
Perfluorohexanesulfonic acid	**1.7**	**J**	1.9	0.76	ng/L		03/05/25 07:58	03/06/25 07:27	1
Perfluoroheptanesulfonic acid	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:27	1
Perfluorooctanesulfonic acid	**37**		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:27	1
Perfluorononanesulfonic acid	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:27	1
Perfluorodecanesulfonic acid	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:27	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.9	0.57	ng/L		03/05/25 07:58	03/06/25 07:27	1
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		3.8	0.95	ng/L		03/05/25 07:58	03/06/25 07:27	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		3.8	0.95	ng/L		03/05/25 07:58	03/06/25 07:27	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		3.8	0.95	ng/L		03/05/25 07:58	03/06/25 07:27	1
Perfluorooctanesulfonamide	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:27	1
NMeFOSA	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:27	1
N-ethylperfluoro-1-octanesulfonamide	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:27	1
NMeFOSAA	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:27	1
NEtFOSAA	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:27	1
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	ND		9.5	2.4	ng/L		03/05/25 07:58	03/06/25 07:27	1
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	ND		9.5	2.4	ng/L		03/05/25 07:58	03/06/25 07:27	1
HFPO-DA	ND		1.9	0.71	ng/L		03/05/25 07:58	03/06/25 07:27	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:27	1

Client Sample ID: MW-20D-021325 — Lab Sample ID: 410-209941-3

Date Collected: 02/13/25 13:29 — **Matrix: Water**
Date Received: 02/28/25 09:55

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-3-methoxypropanoic acid	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:27	1
Perfluoro(4-methoxybutanoic acid)	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:27	1
Perfluoro-3,6-dioxaheptanoic acid	ND	cn	1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:27	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:27	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:27	1
PFEESA	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:27	1
3:3 FTCA	ND		3.8	0.95	ng/L		03/05/25 07:58	03/06/25 07:27	1
5:3 FTCA	ND		9.5	2.7	ng/L		03/05/25 07:58	03/06/25 07:27	1
7:3 FTCA	ND		9.5	2.4	ng/L		03/05/25 07:58	03/06/25 07:27	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*81.3*		*5 - 130*	*03/05/25 07:58*	*03/06/25 07:27*	*1*
13C5 PFPeA	*84.3*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:27*	*1*
13C5 PFHxA	*83.0*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:27*	*1*
13C4 PFHpA	*86.0*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:27*	*1*
13C8 PFOA	*81.5*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:27*	*1*
13C9 PFNA	*83.0*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:27*	*1*
13C6 PFDA	*80.3*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:27*	*1*
13C7 PFUnA	*83.8*		*30 - 130*	*03/05/25 07:58*	*03/06/25 07:27*	*1*
13C2 PFTeDA	*87.0*		*10 - 130*	*03/05/25 07:58*	*03/06/25 07:27*	*1*
13C3 PFBS	*71.8*		*40 - 135*	*03/05/25 07:58*	*03/06/25 07:27*	*1*
13C3 PFHxS	*83.6*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:27*	*1*
13C8 PFOS	*85.4*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:27*	*1*
13C8 FOSA	*66.6*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:27*	*1*
d3-NMeFOSAA	*76.1*		*40 - 170*	*03/05/25 07:58*	*03/06/25 07:27*	*1*
d5-NEtFOSAA	*76.0*		*25 - 135*	*03/05/25 07:58*	*03/06/25 07:27*	*1*
M2-4:2 FTS	*72.7*		*40 - 200*	*03/05/25 07:58*	*03/06/25 07:27*	*1*
M2-6:2 FTS	*82.5*		*40 - 200*	*03/05/25 07:58*	*03/06/25 07:27*	*1*
M2-8:2 FTS	*68.8*		*40 - 300*	*03/05/25 07:58*	*03/06/25 07:27*	*1*
13C3 HFPO-DA	*81.1*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:27*	*1*
d7-N-MeFOSE-M	*61.7*		*10 - 130*	*03/05/25 07:58*	*03/06/25 07:27*	*1*
d9-N-EtFOSE-M	*61.4*		*10 - 130*	*03/05/25 07:58*	*03/06/25 07:27*	*1*
d5-NEtPFOSA	*51.4*		*10 - 130*	*03/05/25 07:58*	*03/06/25 07:27*	*1*
d3-NMePFOSA	*51.3*		*10 - 130*	*03/05/25 07:58*	*03/06/25 07:27*	*1*
13C2 PFDoA	*74.2*		*10 - 130*	*03/05/25 07:58*	*03/06/25 07:27*	*1*

Client Sample ID: MW-20D-FD-021325 — Lab Sample ID: 410-209941-4

Date Collected: 02/13/25 13:29 — **Matrix: Water**
Date Received: 02/28/25 09:55

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid	**7.1**		4.1	1.1	ng/L		03/05/25 07:58	03/06/25 07:41	1
Perfluoropentanoic acid	**14**		2.0	0.61	ng/L		03/05/25 07:58	03/06/25 07:41	1
Perfluorohexanoic acid	**12**		2.0	0.51	ng/L		03/05/25 07:58	03/06/25 07:41	1
Perfluoroheptanoic acid	**7.6**		2.0	0.81	ng/L		03/05/25 07:58	03/06/25 07:41	1
Perfluorooctanoic acid	**19**		2.0	0.91	ng/L		03/05/25 07:58	03/06/25 07:41	1
Perfluorononanoic acid	**6.4**		2.0	0.51	ng/L		03/05/25 07:58	03/06/25 07:41	1
Perfluorodecanoic acid	**1.1**	**J**	2.0	0.51	ng/L		03/05/25 07:58	03/06/25 07:41	1

Client: Chemtech Consulting Group Inc.
Project/Site: Q1406

Job ID: 410-209941-1

Client Sample ID: MW-20D-FD-021325
Date Collected: 02/13/25 13:29
Date Received: 02/28/25 09:55

Lab Sample ID: 410-209941-4
Matrix: Water

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroundecanoic acid	ND		2.0	0.51	ng/L		03/05/25 07:58	03/06/25 07:41	1
Perfluorododecanoic acid	ND		2.0	0.51	ng/L		03/05/25 07:58	03/06/25 07:41	1
Perfluorotridecanoic acid	ND		2.0	0.51	ng/L		03/05/25 07:58	03/06/25 07:41	1
Perfluorotetradecanoic acid	ND		2.0	0.51	ng/L		03/05/25 07:58	03/06/25 07:41	1
Perfluorobutanesulfonic acid	**2.9**		2.0	0.51	ng/L		03/05/25 07:58	03/06/25 07:41	1
Perfluoropentanesulfonic acid	ND		2.0	0.51	ng/L		03/05/25 07:58	03/06/25 07:41	1
Perfluorohexanesulfonic acid	**1.6**	**J**	2.0	0.81	ng/L		03/05/25 07:58	03/06/25 07:41	1
Perfluoroheptanesulfonic acid	ND		2.0	0.51	ng/L		03/05/25 07:58	03/06/25 07:41	1
Perfluorooctanesulfonic acid	**37**		2.0	0.51	ng/L		03/05/25 07:58	03/06/25 07:41	1
Perfluorononanesulfonic acid	ND		2.0	0.51	ng/L		03/05/25 07:58	03/06/25 07:41	1
Perfluorodecanesulfonic acid	ND		2.0	0.51	ng/L		03/05/25 07:58	03/06/25 07:41	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.61	ng/L		03/05/25 07:58	03/06/25 07:41	1
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		4.1	1.0	ng/L		03/05/25 07:58	03/06/25 07:41	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.1	1.0	ng/L		03/05/25 07:58	03/06/25 07:41	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		4.1	1.0	ng/L		03/05/25 07:58	03/06/25 07:41	1
Perfluorooctanesulfonamide	ND		2.0	0.51	ng/L		03/05/25 07:58	03/06/25 07:41	1
NMeFOSA	ND		2.0	0.51	ng/L		03/05/25 07:58	03/06/25 07:41	1
N-ethylperfluoro-1-octanesulfonamide	ND		2.0	0.51	ng/L		03/05/25 07:58	03/06/25 07:41	1
NMeFOSAA	ND		2.0	0.51	ng/L		03/05/25 07:58	03/06/25 07:41	1
NEtFOSAA	ND		2.0	0.51	ng/L		03/05/25 07:58	03/06/25 07:41	1
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	ND		10	2.5	ng/L		03/05/25 07:58	03/06/25 07:41	1
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	ND		10	2.5	ng/L		03/05/25 07:58	03/06/25 07:41	1
HFPO-DA	ND		2.0	0.76	ng/L		03/05/25 07:58	03/06/25 07:41	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.51	ng/L		03/05/25 07:58	03/06/25 07:41	1
Perfluoro-3-methoxypropanoic acid	ND		2.0	0.51	ng/L		03/05/25 07:58	03/06/25 07:41	1
Perfluoro(4-methoxybutanoic acid)	ND		2.0	0.51	ng/L		03/05/25 07:58	03/06/25 07:41	1
Perfluoro-3,6-dioxaheptanoic acid	ND	cn	2.0	0.51	ng/L		03/05/25 07:58	03/06/25 07:41	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND		2.0	0.51	ng/L		03/05/25 07:58	03/06/25 07:41	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		2.0	0.51	ng/L		03/05/25 07:58	03/06/25 07:41	1
PFEESA	ND		2.0	0.51	ng/L		03/05/25 07:58	03/06/25 07:41	1
3:3 FTCA	ND		4.1	1.0	ng/L		03/05/25 07:58	03/06/25 07:41	1
5:3 FTCA	ND		10	2.8	ng/L		03/05/25 07:58	03/06/25 07:41	1
7:3 FTCA	ND		10	2.5	ng/L		03/05/25 07:58	03/06/25 07:41	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*84.7*		*5 - 130*	*03/05/25 07:58*	*03/06/25 07:41*	*1*
13C5 PFPeA	*89.5*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:41*	*1*
13C5 PFHxA	*83.0*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:41*	*1*
13C4 PFHpA	*93.7*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:41*	*1*
13C8 PFOA	*85.3*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:41*	*1*
13C9 PFNA	*84.8*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:41*	*1*
13C6 PFDA	*78.8*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:41*	*1*

Client Sample ID: MW-20D-FD-021325 — Lab Sample ID: 410-209941-4

Date Collected: 02/13/25 13:29 — **Matrix: Water**
Date Received: 02/28/25 09:55

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C7 PFUnA	82.9		30 - 130	03/05/25 07:58	03/06/25 07:41	1
13C2 PFTeDA	84.9		10 - 130	03/05/25 07:58	03/06/25 07:41	1
13C3 PFBS	77.5		40 - 135	03/05/25 07:58	03/06/25 07:41	1
13C3 PFHxS	84.9		40 - 130	03/05/25 07:58	03/06/25 07:41	1
13C8 PFOS	89.5		40 - 130	03/05/25 07:58	03/06/25 07:41	1
13C8 FOSA	70.5		40 - 130	03/05/25 07:58	03/06/25 07:41	1
d3-NMeFOSAA	83.2		40 - 170	03/05/25 07:58	03/06/25 07:41	1
d5-NEtFOSAA	82.4		25 - 135	03/05/25 07:58	03/06/25 07:41	1
M2-4:2 FTS	74.3		40 - 200	03/05/25 07:58	03/06/25 07:41	1
M2-6:2 FTS	92.1		40 - 200	03/05/25 07:58	03/06/25 07:41	1
M2-8:2 FTS	74.3		40 - 300	03/05/25 07:58	03/06/25 07:41	1
13C3 HFPO-DA	85.4		40 - 130	03/05/25 07:58	03/06/25 07:41	1
d7-N-MeFOSE-M	67.6		10 - 130	03/05/25 07:58	03/06/25 07:41	1
d9-N-EtFOSE-M	67.0		10 - 130	03/05/25 07:58	03/06/25 07:41	1
d5-NEtPFOSA	52.3		10 - 130	03/05/25 07:58	03/06/25 07:41	1
d3-NMePFOSA	52.0		10 - 130	03/05/25 07:58	03/06/25 07:41	1
13C2 PFDoA	71.7		10 - 130	03/05/25 07:58	03/06/25 07:41	1

Client Sample ID: MW-22-021925 — Lab Sample ID: 410-209941-5

Date Collected: 02/19/25 16:50 — **Matrix: Water**
Date Received: 02/28/25 09:55

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid	**4.0**		3.8	1.1	ng/L		03/05/25 07:58	03/06/25 07:55	1
Perfluoropentanoic acid	**4.2**		1.9	0.58	ng/L		03/05/25 07:58	03/06/25 07:55	1
Perfluorohexanoic acid	**4.5**		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:55	1
Perfluoroheptanoic acid	**2.8**		1.9	0.77	ng/L		03/05/25 07:58	03/06/25 07:55	1
Perfluorooctanoic acid	**10**		1.9	0.86	ng/L		03/05/25 07:58	03/06/25 07:55	1
Perfluorononanoic acid	**2.9**		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:55	1
Perfluorodecanoic acid	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:55	1
Perfluoroundecanoic acid	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:55	1
Perfluorododecanoic acid	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:55	1
Perfluorotridecanoic acid	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:55	1
Perfluorotetradecanoic acid	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:55	1
Perfluorobutanesulfonic acid	**6.3**		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:55	1
Perfluoropentanesulfonic acid	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:55	1
Perfluorohexanesulfonic acid	**1.8**	**J**	1.9	0.77	ng/L		03/05/25 07:58	03/06/25 07:55	1
Perfluoroheptanesulfonic acid	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:55	1
Perfluorooctanesulfonic acid	**5.4**		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:55	1
Perfluorononanesulfonic acid	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:55	1
Perfluorodecanesulfonic acid	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:55	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.9	0.58	ng/L		03/05/25 07:58	03/06/25 07:55	1
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		3.8	0.96	ng/L		03/05/25 07:58	03/06/25 07:55	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		3.8	0.96	ng/L		03/05/25 07:58	03/06/25 07:55	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		3.8	0.96	ng/L		03/05/25 07:58	03/06/25 07:55	1
Perfluorooctanesulfonamide	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:55	1

Client: Chemtech Consulting Group Inc.
Project/Site: Q1406

Job ID: 410-209941-1

Client Sample ID: MW-22-021925
Date Collected: 02/19/25 16:50
Date Received: 02/28/25 09:55

Lab Sample ID: 410-209941-5
Matrix: Water

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSA	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:55	1
N-ethylperfluoro-1-octanesulfonamide	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:55	1
NMeFOSAA	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:55	1
NEtFOSAA	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:55	1
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	ND		9.6	2.4	ng/L		03/05/25 07:58	03/06/25 07:55	1
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	ND		9.6	2.4	ng/L		03/05/25 07:58	03/06/25 07:55	1
HFPO-DA	ND		1.9	0.72	ng/L		03/05/25 07:58	03/06/25 07:55	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:55	1
Perfluoro-3-methoxypropanoic acid	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:55	1
Perfluoro(4-methoxybutanoic acid)	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:55	1
Perfluoro-3,6-dioxaheptanoic acid	ND	cn	1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:55	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:55	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:55	1
PFEESA	ND		1.9	0.48	ng/L		03/05/25 07:58	03/06/25 07:55	1
3:3 FTCA	ND		3.8	0.96	ng/L		03/05/25 07:58	03/06/25 07:55	1
5:3 FTCA	ND		9.6	2.7	ng/L		03/05/25 07:58	03/06/25 07:55	1
7:3 FTCA	ND		9.6	2.4	ng/L		03/05/25 07:58	03/06/25 07:55	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*87.6*		*5 - 130*	*03/05/25 07:58*	*03/06/25 07:55*	*1*
13C5 PFPeA	*95.0*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:55*	*1*
13C5 PFHxA	*88.5*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:55*	*1*
13C4 PFHpA	*97.8*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:55*	*1*
13C8 PFOA	*90.2*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:55*	*1*
13C9 PFNA	*89.4*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:55*	*1*
13C6 PFDA	*89.0*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:55*	*1*
13C7 PFUnA	*94.4*		*30 - 130*	*03/05/25 07:58*	*03/06/25 07:55*	*1*
13C2 PFTeDA	*93.5*		*10 - 130*	*03/05/25 07:58*	*03/06/25 07:55*	*1*
13C3 PFBS	*79.3*		*40 - 135*	*03/05/25 07:58*	*03/06/25 07:55*	*1*
13C3 PFHxS	*91.9*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:55*	*1*
13C8 PFOS	*94.2*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:55*	*1*
13C8 FOSA	*77.0*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:55*	*1*
d3-NMeFOSAA	*88.8*		*40 - 170*	*03/05/25 07:58*	*03/06/25 07:55*	*1*
d5-NEtFOSAA	*92.0*		*25 - 135*	*03/05/25 07:58*	*03/06/25 07:55*	*1*
M2-4:2 FTS	*77.1*		*40 - 200*	*03/05/25 07:58*	*03/06/25 07:55*	*1*
M2-6:2 FTS	*93.8*		*40 - 200*	*03/05/25 07:58*	*03/06/25 07:55*	*1*
M2-8:2 FTS	*82.3*		*40 - 300*	*03/05/25 07:58*	*03/06/25 07:55*	*1*
13C3 HFPO-DA	*90.6*		*40 - 130*	*03/05/25 07:58*	*03/06/25 07:55*	*1*
d7-N-MeFOSE-M	*71.9*		*10 - 130*	*03/05/25 07:58*	*03/06/25 07:55*	*1*
d9-N-EtFOSE-M	*70.0*		*10 - 130*	*03/05/25 07:58*	*03/06/25 07:55*	*1*
d5-NEtPFOSA	*60.3*		*10 - 130*	*03/05/25 07:58*	*03/06/25 07:55*	*1*
d3-NMePFOSA	*59.9*		*10 - 130*	*03/05/25 07:58*	*03/06/25 07:55*	*1*
13C2 PFDoA	*84.3*		*10 - 130*	*03/05/25 07:58*	*03/06/25 07:55*	*1*

Client: Chemtech Consulting Group Inc.
Project/Site: Q1406

Job ID: 410-209941-1

Client Sample ID: MW-23-021425
Date Collected: 02/14/25 14:25
Date Received: 02/28/25 09:55

Lab Sample ID: 410-209941-6
Matrix: Water

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid	**4.0**		3.8	1.0	ng/L		03/05/25 07:58	03/06/25 08:09	1
Perfluoropentanoic acid	**5.0**		1.9	0.57	ng/L		03/05/25 07:58	03/06/25 08:09	1
Perfluorohexanoic acid	**4.3**		1.9	0.47	ng/L		03/05/25 07:58	03/06/25 08:09	1
Perfluoroheptanoic acid	**1.9**		1.9	0.75	ng/L		03/05/25 07:58	03/06/25 08:09	1
Perfluorooctanoic acid	**7.9**		1.9	0.85	ng/L		03/05/25 07:58	03/06/25 08:09	1
Perfluorononanoic acid	**2.5**		1.9	0.47	ng/L		03/05/25 07:58	03/06/25 08:09	1
Perfluorodecanoic acid	ND		1.9	0.47	ng/L		03/05/25 07:58	03/06/25 08:09	1
Perfluoroundecanoic acid	ND		1.9	0.47	ng/L		03/05/25 07:58	03/06/25 08:09	1
Perfluorododecanoic acid	ND		1.9	0.47	ng/L		03/05/25 07:58	03/06/25 08:09	1
Perfluorotridecanoic acid	ND		1.9	0.47	ng/L		03/05/25 07:58	03/06/25 08:09	1
Perfluorotetradecanoic acid	ND		1.9	0.47	ng/L		03/05/25 07:58	03/06/25 08:09	1
Perfluorobutanesulfonic acid	**1.7**	**J**	1.9	0.47	ng/L		03/05/25 07:58	03/06/25 08:09	1
Perfluoropentanesulfonic acid	ND		1.9	0.47	ng/L		03/05/25 07:58	03/06/25 08:09	1
Perfluorohexanesulfonic acid	**0.91**	**J**	1.9	0.75	ng/L		03/05/25 07:58	03/06/25 08:09	1
Perfluoroheptanesulfonic acid	ND		1.9	0.47	ng/L		03/05/25 07:58	03/06/25 08:09	1
Perfluorooctanesulfonic acid	**4.5**		1.9	0.47	ng/L		03/05/25 07:58	03/06/25 08:09	1
Perfluorononanesulfonic acid	ND		1.9	0.47	ng/L		03/05/25 07:58	03/06/25 08:09	1
Perfluorodecanesulfonic acid	ND		1.9	0.47	ng/L		03/05/25 07:58	03/06/25 08:09	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.9	0.57	ng/L		03/05/25 07:58	03/06/25 08:09	1
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		3.8	0.94	ng/L		03/05/25 07:58	03/06/25 08:09	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		3.8	0.94	ng/L		03/05/25 07:58	03/06/25 08:09	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		3.8	0.94	ng/L		03/05/25 07:58	03/06/25 08:09	1
Perfluorooctanesulfonamide	ND		1.9	0.47	ng/L		03/05/25 07:58	03/06/25 08:09	1
NMeFOSA	ND		1.9	0.47	ng/L		03/05/25 07:58	03/06/25 08:09	1
N-ethylperfluoro-1-octanesulfonamide	ND		1.9	0.47	ng/L		03/05/25 07:58	03/06/25 08:09	1
NMeFOSAA	ND		1.9	0.47	ng/L		03/05/25 07:58	03/06/25 08:09	1
NEtFOSAA	ND		1.9	0.47	ng/L		03/05/25 07:58	03/06/25 08:09	1
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	ND		9.4	2.4	ng/L		03/05/25 07:58	03/06/25 08:09	1
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	ND		9.4	2.4	ng/L		03/05/25 07:58	03/06/25 08:09	1
HFPO-DA	ND		1.9	0.71	ng/L		03/05/25 07:58	03/06/25 08:09	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.9	0.47	ng/L		03/05/25 07:58	03/06/25 08:09	1
Perfluoro-3-methoxypropanoic acid	ND		1.9	0.47	ng/L		03/05/25 07:58	03/06/25 08:09	1
Perfluoro(4-methoxybutanoic acid)	ND		1.9	0.47	ng/L		03/05/25 07:58	03/06/25 08:09	1
Perfluoro-3,6-dioxaheptanoic acid	ND	cn	1.9	0.47	ng/L		03/05/25 07:58	03/06/25 08:09	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND		1.9	0.47	ng/L		03/05/25 07:58	03/06/25 08:09	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		1.9	0.47	ng/L		03/05/25 07:58	03/06/25 08:09	1
PFEESA	ND		1.9	0.47	ng/L		03/05/25 07:58	03/06/25 08:09	1
3:3 FTCA	ND		3.8	0.94	ng/L		03/05/25 07:58	03/06/25 08:09	1
5:3 FTCA	ND		9.4	2.6	ng/L		03/05/25 07:58	03/06/25 08:09	1
7:3 FTCA	ND		9.4	2.4	ng/L		03/05/25 07:58	03/06/25 08:09	1

Client Sample ID: MW-23-021425

Lab Sample ID: 410-209941-6

Date Collected: 02/14/25 14:25

Matrix: Water

Date Received: 02/28/25 09:55

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*82.5*		*5 - 130*	*03/05/25 07:58*	*03/06/25 08:09*	*1*
13C5 PFPeA	*88.6*		*40 - 130*	*03/05/25 07:58*	*03/06/25 08:09*	*1*
13C5 PFHxA	*83.3*		*40 - 130*	*03/05/25 07:58*	*03/06/25 08:09*	*1*
13C4 PFHpA	*90.4*		*40 - 130*	*03/05/25 07:58*	*03/06/25 08:09*	*1*
13C8 PFOA	*84.2*		*40 - 130*	*03/05/25 07:58*	*03/06/25 08:09*	*1*
13C9 PFNA	*82.5*		*40 - 130*	*03/05/25 07:58*	*03/06/25 08:09*	*1*
13C6 PFDA	*70.5*		*40 - 130*	*03/05/25 07:58*	*03/06/25 08:09*	*1*
13C7 PFUnA	*72.6*		*30 - 130*	*03/05/25 07:58*	*03/06/25 08:09*	*1*
13C2 PFTeDA	*73.3*		*10 - 130*	*03/05/25 07:58*	*03/06/25 08:09*	*1*
13C3 PFBS	*74.0*		*40 - 135*	*03/05/25 07:58*	*03/06/25 08:09*	*1*
13C3 PFHxS	*84.4*		*40 - 130*	*03/05/25 07:58*	*03/06/25 08:09*	*1*
13C8 PFOS	*82.8*		*40 - 130*	*03/05/25 07:58*	*03/06/25 08:09*	*1*
13C8 FOSA	*68.4*		*40 - 130*	*03/05/25 07:58*	*03/06/25 08:09*	*1*
d3-NMeFOSAA	*74.2*		*40 - 170*	*03/05/25 07:58*	*03/06/25 08:09*	*1*
d5-NEtFOSAA	*77.5*		*25 - 135*	*03/05/25 07:58*	*03/06/25 08:09*	*1*
M2-4:2 FTS	*76.3*		*40 - 200*	*03/05/25 07:58*	*03/06/25 08:09*	*1*
M2-6:2 FTS	*80.6*		*40 - 200*	*03/05/25 07:58*	*03/06/25 08:09*	*1*
M2-8:2 FTS	*68.2*		*40 - 300*	*03/05/25 07:58*	*03/06/25 08:09*	*1*
13C3 HFPO-DA	*82.7*		*40 - 130*	*03/05/25 07:58*	*03/06/25 08:09*	*1*
d7-N-MeFOSE-M	*59.4*		*10 - 130*	*03/05/25 07:58*	*03/06/25 08:09*	*1*
d9-N-EtFOSE-M	*62.9*		*10 - 130*	*03/05/25 07:58*	*03/06/25 08:09*	*1*
d5-NEtPFOSA	*59.6*		*10 - 130*	*03/05/25 07:58*	*03/06/25 08:09*	*1*
d3-NMePFOSA	*57.8*		*10 - 130*	*03/05/25 07:58*	*03/06/25 08:09*	*1*
13C2 PFDoA	*64.6*		*10 - 130*	*03/05/25 07:58*	*03/06/25 08:09*	*1*

Client Sample ID: MW-26-021825

Lab Sample ID: 410-209941-7

Date Collected: 02/18/25 15:00

Matrix: Water

Date Received: 02/28/25 09:55

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid	ND		3.5	0.97	ng/L		03/06/25 08:30	03/07/25 03:24	1
Perfluoropentanoic acid	**1.3**	**J**	1.8	0.53	ng/L		03/06/25 08:30	03/07/25 03:24	1
Perfluorohexanoic acid	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:24	1
Perfluoroheptanoic acid	**1.0**	**J**	1.8	0.71	ng/L		03/06/25 08:30	03/07/25 03:24	1
Perfluorooctanoic acid	**6.7**		1.8	0.80	ng/L		03/06/25 08:30	03/07/25 03:24	1
Perfluorononanoic acid	**4.9**		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:24	1
Perfluorodecanoic acid	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:24	1
Perfluoroundecanoic acid	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:24	1
Perfluorododecanoic acid	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:24	1
Perfluorotridecanoic acid	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:24	1
Perfluorotetradecanoic acid	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:24	1
Perfluorobutanesulfonic acid	**0.96**	**J**	1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:24	1
Perfluoropentanesulfonic acid	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:24	1
Perfluorohexanesulfonic acid	**1.5**	**J**	1.8	0.71	ng/L		03/06/25 08:30	03/07/25 03:24	1
Perfluoroheptanesulfonic acid	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:24	1
Perfluorooctanesulfonic acid	**3.1**		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:24	1
Perfluorononanesulfonic acid	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:24	1
Perfluorodecanesulfonic acid	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:24	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.53	ng/L		03/06/25 08:30	03/07/25 03:24	1

Client: Chemtech Consulting Group Inc.
Project/Site: Q1406

Job ID: 410-209941-1

Client Sample ID: MW-26-021825
Date Collected: 02/18/25 15:00
Date Received: 02/28/25 09:55

Lab Sample ID: 410-209941-7
Matrix: Water

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		3.5	0.88	ng/L		03/06/25 08:30	03/07/25 03:24	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		3.5	0.88	ng/L		03/06/25 08:30	03/07/25 03:24	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		3.5	0.88	ng/L		03/06/25 08:30	03/07/25 03:24	1
Perfluorooctanesulfonamide	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:24	1
NMeFOSA	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:24	1
N-ethylperfluoro-1-octanesulfonamide	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:24	1
NMeFOSAA	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:24	1
NEtFOSAA	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:24	1
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	ND		8.8	2.2	ng/L		03/06/25 08:30	03/07/25 03:24	1
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	ND		8.8	2.2	ng/L		03/06/25 08:30	03/07/25 03:24	1
HFPO-DA	ND		1.8	0.66	ng/L		03/06/25 08:30	03/07/25 03:24	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:24	1
Perfluoro-3-methoxypropanoic acid	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:24	1
Perfluoro(4-methoxybutanoic acid)	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:24	1
Perfluoro-3,6-dioxaheptanoic acid	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:24	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND	cn	1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:24	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:24	1
PFEESA	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:24	1
3:3 FTCA	ND		3.5	0.88	ng/L		03/06/25 08:30	03/07/25 03:24	1
5:3 FTCA	ND		8.8	2.5	ng/L		03/06/25 08:30	03/07/25 03:24	1
7:3 FTCA	ND		8.8	2.2	ng/L		03/06/25 08:30	03/07/25 03:24	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*90.0*		*5 - 130*	*03/06/25 08:30*	*03/07/25 03:24*	*1*
13C5 PFPeA	*93.5*		*40 - 130*	*03/06/25 08:30*	*03/07/25 03:24*	*1*
13C5 PFHxA	*85.7*		*40 - 130*	*03/06/25 08:30*	*03/07/25 03:24*	*1*
13C4 PFHpA	*94.2*		*40 - 130*	*03/06/25 08:30*	*03/07/25 03:24*	*1*
13C8 PFOA	*91.2*		*40 - 130*	*03/06/25 08:30*	*03/07/25 03:24*	*1*
13C9 PFNA	*109*		*40 - 130*	*03/06/25 08:30*	*03/07/25 03:24*	*1*
13C6 PFDA	*97.9*		*40 - 130*	*03/06/25 08:30*	*03/07/25 03:24*	*1*
13C7 PFUnA	*138*	**5+ cn*	*30 - 130*	*03/06/25 08:30*	*03/07/25 03:24*	*1*
13C2 PFTeDA	*88.7*		*10 - 130*	*03/06/25 08:30*	*03/07/25 03:24*	*1*
13C3 PFBS	*90.0*		*40 - 135*	*03/06/25 08:30*	*03/07/25 03:24*	*1*
13C3 PFHxS	*92.4*		*40 - 130*	*03/06/25 08:30*	*03/07/25 03:24*	*1*
13C8 PFOS	*85.8*		*40 - 130*	*03/06/25 08:30*	*03/07/25 03:24*	*1*
13C8 FOSA	*87.5*		*40 - 130*	*03/06/25 08:30*	*03/07/25 03:24*	*1*
d3-NMeFOSAA	*70.1*		*40 - 170*	*03/06/25 08:30*	*03/07/25 03:24*	*1*
d5-NEtFOSAA	*76.4*		*25 - 135*	*03/06/25 08:30*	*03/07/25 03:24*	*1*
M2-4:2 FTS	*88.6*		*40 - 200*	*03/06/25 08:30*	*03/07/25 03:24*	*1*
M2-6:2 FTS	*91.2*		*40 - 200*	*03/06/25 08:30*	*03/07/25 03:24*	*1*
M2-8:2 FTS	*91.7*		*40 - 300*	*03/06/25 08:30*	*03/07/25 03:24*	*1*
13C3 HFPO-DA	*98.5*		*40 - 130*	*03/06/25 08:30*	*03/07/25 03:24*	*1*

Client Sample ID: MW-26-021825 — Lab Sample ID: 410-209941-7

Date Collected: 02/18/25 15:00 — **Matrix: Water**
Date Received: 02/28/25 09:55

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d7-N-MeFOSE-M	63.2		10 - 130	03/06/25 08:30	03/07/25 03:24	1
d9-N-EtFOSE-M	62.2		10 - 130	03/06/25 08:30	03/07/25 03:24	1
d5-NEtPFOSA	43.8		10 - 130	03/06/25 08:30	03/07/25 03:24	1
d3-NMePFOSA	43.4		10 - 130	03/06/25 08:30	03/07/25 03:24	1
13C2 PFDoA	115	cn	10 - 130	03/06/25 08:30	03/07/25 03:24	1

Client Sample ID: MW-11R-021325 — Lab Sample ID: 410-209941-8

Date Collected: 02/13/25 14:43 — **Matrix: Water**
Date Received: 02/28/25 09:55

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid	**8.9**		3.6	0.98	ng/L		03/06/25 08:30	03/07/25 03:38	1
Perfluoropentanoic acid	**16**		1.8	0.53	ng/L		03/06/25 08:30	03/07/25 03:38	1
Perfluorohexanoic acid	**14**		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:38	1
Perfluoroheptanoic acid	**8.3**		1.8	0.71	ng/L		03/06/25 08:30	03/07/25 03:38	1
Perfluorooctanoic acid	**20**		1.8	0.80	ng/L		03/06/25 08:30	03/07/25 03:38	1
Perfluorononanoic acid	**6.6**		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:38	1
Perfluorodecanoic acid	**1.8**	I	1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:38	1
Perfluoroundecanoic acid	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:38	1
Perfluorododecanoic acid	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:38	1
Perfluorotridecanoic acid	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:38	1
Perfluorotetradecanoic acid	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:38	1
Perfluorobutanesulfonic acid	**4.5**		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:38	1
Perfluoropentanesulfonic acid	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:38	1
Perfluorohexanesulfonic acid	**3.6**		1.8	0.71	ng/L		03/06/25 08:30	03/07/25 03:38	1
Perfluoroheptanesulfonic acid	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:38	1
Perfluorooctanesulfonic acid	**20**		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:38	1
Perfluorononanesulfonic acid	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:38	1
Perfluorodecanesulfonic acid	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:38	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.53	ng/L		03/06/25 08:30	03/07/25 03:38	1
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		3.6	0.89	ng/L		03/06/25 08:30	03/07/25 03:38	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		3.6	0.89	ng/L		03/06/25 08:30	03/07/25 03:38	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		3.6	0.89	ng/L		03/06/25 08:30	03/07/25 03:38	1
Perfluorooctanesulfonamide	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:38	1
NMeFOSA	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:38	1
N-ethylperfluoro-1-octanesulfonamide	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:38	1
NMeFOSAA	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:38	1
NEtFOSAA	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:38	1
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	ND		8.9	2.2	ng/L		03/06/25 08:30	03/07/25 03:38	1
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	ND		8.9	2.2	ng/L		03/06/25 08:30	03/07/25 03:38	1
HFPO-DA	ND		1.8	0.67	ng/L		03/06/25 08:30	03/07/25 03:38	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:38	1

Client Sample ID: MW-11R-021325 — Lab Sample ID: 410-209941-8

Date Collected: 02/13/25 14:43 **Matrix: Water**
Date Received: 02/28/25 09:55

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-3-methoxypropanoic acid	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:38	1
Perfluoro(4-methoxybutanoic acid)	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:38	1
Perfluoro-3,6-dioxaheptanoic acid	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:38	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND	cn	1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:38	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:38	1
PFEESA	ND		1.8	0.44	ng/L		03/06/25 08:30	03/07/25 03:38	1
3:3 FTCA	ND		3.6	0.89	ng/L		03/06/25 08:30	03/07/25 03:38	1
5:3 FTCA	ND		8.9	2.5	ng/L		03/06/25 08:30	03/07/25 03:38	1
7:3 FTCA	ND		8.9	2.2	ng/L		03/06/25 08:30	03/07/25 03:38	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*85.8*		*5 - 130*	*03/06/25 08:30*	*03/07/25 03:38*	*1*
13C5 PFPeA	*89.6*		*40 - 130*	*03/06/25 08:30*	*03/07/25 03:38*	*1*
13C5 PFHxA	*90.4*		*40 - 130*	*03/06/25 08:30*	*03/07/25 03:38*	*1*
13C4 PFHpA	*86.6*		*40 - 130*	*03/06/25 08:30*	*03/07/25 03:38*	*1*
13C8 PFOA	*85.6*		*40 - 130*	*03/06/25 08:30*	*03/07/25 03:38*	*1*
13C9 PFNA	*108*		*40 - 130*	*03/06/25 08:30*	*03/07/25 03:38*	*1*
13C6 PFDA	*92.5*		*40 - 130*	*03/06/25 08:30*	*03/07/25 03:38*	*1*
13C7 PFUnA	*140*	**5+ cn*	*30 - 130*	*03/06/25 08:30*	*03/07/25 03:38*	*1*
13C2 PFTeDA	*83.9*		*10 - 130*	*03/06/25 08:30*	*03/07/25 03:38*	*1*
13C3 PFBS	*87.7*		*40 - 135*	*03/06/25 08:30*	*03/07/25 03:38*	*1*
13C3 PFHxS	*79.0*		*40 - 130*	*03/06/25 08:30*	*03/07/25 03:38*	*1*
13C8 PFOS	*90.9*		*40 - 130*	*03/06/25 08:30*	*03/07/25 03:38*	*1*
13C8 FOSA	*82.9*		*40 - 130*	*03/06/25 08:30*	*03/07/25 03:38*	*1*
d3-NMeFOSAA	*74.6*		*40 - 170*	*03/06/25 08:30*	*03/07/25 03:38*	*1*
d5-NEtFOSAA	*79.2*		*25 - 135*	*03/06/25 08:30*	*03/07/25 03:38*	*1*
M2-4:2 FTS	*82.4*		*40 - 200*	*03/06/25 08:30*	*03/07/25 03:38*	*1*
M2-6:2 FTS	*82.3*		*40 - 200*	*03/06/25 08:30*	*03/07/25 03:38*	*1*
M2-8:2 FTS	*84.7*		*40 - 300*	*03/06/25 08:30*	*03/07/25 03:38*	*1*
13C3 HFPO-DA	*93.9*		*40 - 130*	*03/06/25 08:30*	*03/07/25 03:38*	*1*
d7-N-MeFOSE-M	*61.3*		*10 - 130*	*03/06/25 08:30*	*03/07/25 03:38*	*1*
d9-N-EtFOSE-M	*59.4*		*10 - 130*	*03/06/25 08:30*	*03/07/25 03:38*	*1*
d5-NEtPFOSA	*38.0*		*10 - 130*	*03/06/25 08:30*	*03/07/25 03:38*	*1*
d3-NMePFOSA	*39.4*		*10 - 130*	*03/06/25 08:30*	*03/07/25 03:38*	*1*
13C2 PFDoA	*108*	*cn*	*10 - 130*	*03/06/25 08:30*	*03/07/25 03:38*	*1*

Client Sample ID: MW-13-021925 — Lab Sample ID: 410-209941-9

Date Collected: 02/19/25 10:32 **Matrix: Water**
Date Received: 02/28/25 09:55

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid	**8.2**		3.6	0.98	ng/L		03/06/25 08:30	03/11/25 00:02	1
Perfluoropentanoic acid	**11**		1.8	0.53	ng/L		03/06/25 08:30	03/11/25 00:02	1
Perfluorohexanoic acid	**10**		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:02	1
Perfluoroheptanoic acid	**7.0**		1.8	0.71	ng/L		03/06/25 08:30	03/11/25 00:02	1
Perfluorooctanoic acid	**27**		1.8	0.80	ng/L		03/06/25 08:30	03/11/25 00:02	1
Perfluorononanoic acid	**5.5**		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:02	1
Perfluorodecanoic acid	**0.97**	**J**	1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:02	1

Client: Chemtech Consulting Group Inc.
Project/Site: Q1406

Job ID: 410-209941-1

Client Sample ID: MW-13-021925
Date Collected: 02/19/25 10:32
Date Received: 02/28/25 09:55

Lab Sample ID: 410-209941-9
Matrix: Water

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroundecanoic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:02	1
Perfluorododecanoic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:02	1
Perfluorotridecanoic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:02	1
Perfluorotetradecanoic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:02	1
Perfluorobutanesulfonic acid	**2.9**		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:02	1
Perfluoropentanesulfonic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:02	1
Perfluorohexanesulfonic acid	**1.9**		1.8	0.71	ng/L		03/06/25 08:30	03/11/25 00:02	1
Perfluoroheptanesulfonic acid	**0.50**	J	1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:02	1
Perfluorooctanesulfonic acid	**56**		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:02	1
Perfluorononanesulfonic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:02	1
Perfluorodecanesulfonic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:02	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.53	ng/L		03/06/25 08:30	03/11/25 00:02	1
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		3.6	0.89	ng/L		03/06/25 08:30	03/11/25 00:02	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		3.6	0.89	ng/L		03/06/25 08:30	03/11/25 00:02	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		3.6	0.89	ng/L		03/06/25 08:30	03/11/25 00:02	1
Perfluorooctanesulfonamide	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:02	1
NMeFOSA	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:02	1
N-ethylperfluoro-1-octanesulfonamide	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:02	1
NMeFOSAA	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:02	1
NEtFOSAA	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:02	1
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	ND		8.9	2.2	ng/L		03/06/25 08:30	03/11/25 00:02	1
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	ND		8.9	2.2	ng/L		03/06/25 08:30	03/11/25 00:02	1
HFPO-DA	ND		1.8	0.67	ng/L		03/06/25 08:30	03/11/25 00:02	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:02	1
Perfluoro-3-methoxypropanoic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:02	1
Perfluoro(4-methoxybutanoic acid)	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:02	1
Perfluoro-3,6-dioxaheptanoic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:02	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND	cn	1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:02	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:02	1
PFEESA	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:02	1
3:3 FTCA	ND		3.6	0.89	ng/L		03/06/25 08:30	03/11/25 00:02	1
5:3 FTCA	ND		8.9	2.5	ng/L		03/06/25 08:30	03/11/25 00:02	1
7:3 FTCA	ND		8.9	2.2	ng/L		03/06/25 08:30	03/11/25 00:02	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91.4*		*5 - 130*	*03/06/25 08:30*	*03/11/25 00:02*	*1*
13C5 PFPeA	*105*		*40 - 130*	*03/06/25 08:30*	*03/11/25 00:02*	*1*
13C5 PFHxA	*95.8*		*40 - 130*	*03/06/25 08:30*	*03/11/25 00:02*	*1*
13C4 PFHpA	*96.6*		*40 - 130*	*03/06/25 08:30*	*03/11/25 00:02*	*1*
13C8 PFOA	*94.3*		*40 - 130*	*03/06/25 08:30*	*03/11/25 00:02*	*1*
13C9 PFNA	*103*		*40 - 130*	*03/06/25 08:30*	*03/11/25 00:02*	*1*
13C6 PFDA	*104*		*40 - 130*	*03/06/25 08:30*	*03/11/25 00:02*	*1*

Client Sample ID: MW-13-021925 — Lab Sample ID: 410-209941-9

Date Collected: 02/19/25 10:32 **Matrix: Water**
Date Received: 02/28/25 09:55

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C7 PFUnA	128	cn	30 - 130	03/06/25 08:30	03/11/25 00:02	1
13C2 PFTeDA	100		10 - 130	03/06/25 08:30	03/11/25 00:02	1
13C3 PFBS	92.6		40 - 135	03/06/25 08:30	03/11/25 00:02	1
13C3 PFHxS	91.7		40 - 130	03/06/25 08:30	03/11/25 00:02	1
13C8 PFOS	93.4		40 - 130	03/06/25 08:30	03/11/25 00:02	1
13C8 FOSA	87.6		40 - 130	03/06/25 08:30	03/11/25 00:02	1
d3-NMeFOSAA	93.4		40 - 170	03/06/25 08:30	03/11/25 00:02	1
d5-NEtFOSAA	124		25 - 135	03/06/25 08:30	03/11/25 00:02	1
M2-4:2 FTS	112		40 - 200	03/06/25 08:30	03/11/25 00:02	1
M2-6:2 FTS	104		40 - 200	03/06/25 08:30	03/11/25 00:02	1
M2-8:2 FTS	101		40 - 300	03/06/25 08:30	03/11/25 00:02	1
13C3 HFPO-DA	85.7		40 - 130	03/06/25 08:30	03/11/25 00:02	1
d7-N-MeFOSE-M	79.2		10 - 130	03/06/25 08:30	03/11/25 00:02	1
d9-N-EtFOSE-M	77.9		10 - 130	03/06/25 08:30	03/11/25 00:02	1
d5-NEtPFOSA	71.7		10 - 130	03/06/25 08:30	03/11/25 00:02	1
d3-NMePFOSA	75.8		10 - 130	03/06/25 08:30	03/11/25 00:02	1
13C2 PFDoA	106	cn	10 - 130	03/06/25 08:30	03/11/25 00:02	1

Client Sample ID: MW-30S-021325 — Lab Sample ID: 410-209941-10

Date Collected: 02/13/25 16:05 **Matrix: Water**
Date Received: 02/28/25 09:55

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid	**4.9**		3.6	0.98	ng/L		03/06/25 08:30	03/07/25 04:06	1
Perfluoropentanoic acid	**3.9**		1.8	0.54	ng/L		03/06/25 08:30	03/07/25 04:06	1
Perfluorohexanoic acid	**4.5**		1.8	0.45	ng/L		03/06/25 08:30	03/07/25 04:06	1
Perfluoroheptanoic acid	**2.7**		1.8	0.72	ng/L		03/06/25 08:30	03/07/25 04:06	1
Perfluorooctanoic acid	**11**		1.8	0.81	ng/L		03/06/25 08:30	03/07/25 04:06	1
Perfluorononanoic acid	**4.9**		1.8	0.45	ng/L		03/06/25 08:30	03/07/25 04:06	1
Perfluorodecanoic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/07/25 04:06	1
Perfluoroundecanoic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/07/25 04:06	1
Perfluorododecanoic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/07/25 04:06	1
Perfluorotridecanoic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/07/25 04:06	1
Perfluorotetradecanoic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/07/25 04:06	1
Perfluorobutanesulfonic acid	**2.9**		1.8	0.45	ng/L		03/06/25 08:30	03/07/25 04:06	1
Perfluoropentanesulfonic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/07/25 04:06	1
Perfluorohexanesulfonic acid	**1.7**	**J**	1.8	0.72	ng/L		03/06/25 08:30	03/07/25 04:06	1
Perfluoroheptanesulfonic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/07/25 04:06	1
Perfluorooctanesulfonic acid	**7.1**		1.8	0.45	ng/L		03/06/25 08:30	03/07/25 04:06	1
Perfluorononanesulfonic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/07/25 04:06	1
Perfluorodecanesulfonic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/07/25 04:06	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.54	ng/L		03/06/25 08:30	03/07/25 04:06	1
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		3.6	0.89	ng/L		03/06/25 08:30	03/07/25 04:06	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		3.6	0.89	ng/L		03/06/25 08:30	03/07/25 04:06	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		3.6	0.89	ng/L		03/06/25 08:30	03/07/25 04:06	1
Perfluorooctanesulfonamide	ND		1.8	0.45	ng/L		03/06/25 08:30	03/07/25 04:06	1

Client: Chemtech Consulting Group Inc.
Project/Site: Q1406

Job ID: 410-209941-1

Client Sample ID: MW-30S-021325
Date Collected: 02/13/25 16:05
Date Received: 02/28/25 09:55

Lab Sample ID: 410-209941-10
Matrix: Water

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSA	ND		1.8	0.45	ng/L		03/06/25 08:30	03/07/25 04:06	1
N-ethylperfluoro-1-octanesulfonamide	ND		1.8	0.45	ng/L		03/06/25 08:30	03/07/25 04:06	1
NMeFOSAA	ND		1.8	0.45	ng/L		03/06/25 08:30	03/07/25 04:06	1
NEtFOSAA	ND		1.8	0.45	ng/L		03/06/25 08:30	03/07/25 04:06	1
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	ND		8.9	2.2	ng/L		03/06/25 08:30	03/07/25 04:06	1
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	ND		8.9	2.2	ng/L		03/06/25 08:30	03/07/25 04:06	1
HFPO-DA	ND		1.8	0.67	ng/L		03/06/25 08:30	03/07/25 04:06	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.45	ng/L		03/06/25 08:30	03/07/25 04:06	1
Perfluoro-3-methoxypropanoic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/07/25 04:06	1
Perfluoro(4-methoxybutanoic acid)	ND		1.8	0.45	ng/L		03/06/25 08:30	03/07/25 04:06	1
Perfluoro-3,6-dioxaheptanoic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/07/25 04:06	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND	cn	1.8	0.45	ng/L		03/06/25 08:30	03/07/25 04:06	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/07/25 04:06	1
PFEESA	ND		1.8	0.45	ng/L		03/06/25 08:30	03/07/25 04:06	1
3:3 FTCA	ND		3.6	0.89	ng/L		03/06/25 08:30	03/07/25 04:06	1
5:3 FTCA	ND		8.9	2.5	ng/L		03/06/25 08:30	03/07/25 04:06	1
7:3 FTCA	ND		8.9	2.2	ng/L		03/06/25 08:30	03/07/25 04:06	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91.3*		*5 - 130*	*03/06/25 08:30*	*03/07/25 04:06*	*1*
13C5 PFPeA	*92.4*		*40 - 130*	*03/06/25 08:30*	*03/07/25 04:06*	*1*
13C5 PFHxA	*99.1*		*40 - 130*	*03/06/25 08:30*	*03/07/25 04:06*	*1*
13C4 PFHpA	*93.4*		*40 - 130*	*03/06/25 08:30*	*03/07/25 04:06*	*1*
13C8 PFOA	*94.0*		*40 - 130*	*03/06/25 08:30*	*03/07/25 04:06*	*1*
13C9 PFNA	*101*		*40 - 130*	*03/06/25 08:30*	*03/07/25 04:06*	*1*
13C6 PFDA	*97.2*		*40 - 130*	*03/06/25 08:30*	*03/07/25 04:06*	*1*
13C7 PFUnA	*146*	**5+ cn*	*30 - 130*	*03/06/25 08:30*	*03/07/25 04:06*	*1*
13C2 PFTeDA	*89.4*		*10 - 130*	*03/06/25 08:30*	*03/07/25 04:06*	*1*
13C3 PFBS	*88.8*		*40 - 135*	*03/06/25 08:30*	*03/07/25 04:06*	*1*
13C3 PFHxS	*97.6*		*40 - 130*	*03/06/25 08:30*	*03/07/25 04:06*	*1*
13C8 PFOS	*88.1*		*40 - 130*	*03/06/25 08:30*	*03/07/25 04:06*	*1*
13C8 FOSA	*85.8*		*40 - 130*	*03/06/25 08:30*	*03/07/25 04:06*	*1*
d3-NMeFOSAA	*76.7*		*40 - 170*	*03/06/25 08:30*	*03/07/25 04:06*	*1*
d5-NEtFOSAA	*78.6*		*25 - 135*	*03/06/25 08:30*	*03/07/25 04:06*	*1*
M2-4:2 FTS	*84.2*		*40 - 200*	*03/06/25 08:30*	*03/07/25 04:06*	*1*
M2-6:2 FTS	*89.7*		*40 - 200*	*03/06/25 08:30*	*03/07/25 04:06*	*1*
M2-8:2 FTS	*83.3*		*40 - 300*	*03/06/25 08:30*	*03/07/25 04:06*	*1*
13C3 HFPO-DA	*99.3*		*40 - 130*	*03/06/25 08:30*	*03/07/25 04:06*	*1*
d7-N-MeFOSE-M	*68.5*		*10 - 130*	*03/06/25 08:30*	*03/07/25 04:06*	*1*
d9-N-EtFOSE-M	*65.1*		*10 - 130*	*03/06/25 08:30*	*03/07/25 04:06*	*1*
d5-NEtPFOSA	*54.0*		*10 - 130*	*03/06/25 08:30*	*03/07/25 04:06*	*1*
d3-NMePFOSA	*55.6*		*10 - 130*	*03/06/25 08:30*	*03/07/25 04:06*	*1*
13C2 PFDoA	*126*	*cn*	*10 - 130*	*03/06/25 08:30*	*03/07/25 04:06*	*1*

Client: Chemtech Consulting Group Inc.
Project/Site: Q1406

Job ID: 410-209941-1

Client Sample ID: EB-04-021925
Date Collected: 02/19/25 18:00
Date Received: 02/28/25 09:55

Lab Sample ID: 410-209941-11
Matrix: Water

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid	ND		3.9	1.1	ng/L		03/06/25 08:30	03/07/25 04:20	1
Perfluoropentanoic acid	ND		2.0	0.59	ng/L		03/06/25 08:30	03/07/25 04:20	1
Perfluorohexanoic acid	ND		2.0	0.49	ng/L		03/06/25 08:30	03/07/25 04:20	1
Perfluoroheptanoic acid	ND		2.0	0.79	ng/L		03/06/25 08:30	03/07/25 04:20	1
Perfluorooctanoic acid	ND		2.0	0.89	ng/L		03/06/25 08:30	03/07/25 04:20	1
Perfluorononanoic acid	ND		2.0	0.49	ng/L		03/06/25 08:30	03/07/25 04:20	1
Perfluorodecanoic acid	ND		2.0	0.49	ng/L		03/06/25 08:30	03/07/25 04:20	1
Perfluoroundecanoic acid	ND		2.0	0.49	ng/L		03/06/25 08:30	03/07/25 04:20	1
Perfluorododecanoic acid	ND		2.0	0.49	ng/L		03/06/25 08:30	03/07/25 04:20	1
Perfluorotridecanoic acid	ND		2.0	0.49	ng/L		03/06/25 08:30	03/07/25 04:20	1
Perfluorotetradecanoic acid	ND		2.0	0.49	ng/L		03/06/25 08:30	03/07/25 04:20	1
Perfluorobutanesulfonic acid	ND		2.0	0.49	ng/L		03/06/25 08:30	03/07/25 04:20	1
Perfluoropentanesulfonic acid	ND		2.0	0.49	ng/L		03/06/25 08:30	03/07/25 04:20	1
Perfluorohexanesulfonic acid	ND		2.0	0.79	ng/L		03/06/25 08:30	03/07/25 04:20	1
Perfluoroheptanesulfonic acid	ND		2.0	0.49	ng/L		03/06/25 08:30	03/07/25 04:20	1
Perfluorooctanesulfonic acid	ND		2.0	0.49	ng/L		03/06/25 08:30	03/07/25 04:20	1
Perfluorononanesulfonic acid	ND		2.0	0.49	ng/L		03/06/25 08:30	03/07/25 04:20	1
Perfluorodecanesulfonic acid	ND		2.0	0.49	ng/L		03/06/25 08:30	03/07/25 04:20	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.59	ng/L		03/06/25 08:30	03/07/25 04:20	1
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		3.9	0.98	ng/L		03/06/25 08:30	03/07/25 04:20	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		3.9	0.98	ng/L		03/06/25 08:30	03/07/25 04:20	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		3.9	0.98	ng/L		03/06/25 08:30	03/07/25 04:20	1
Perfluorooctanesulfonamide	ND		2.0	0.49	ng/L		03/06/25 08:30	03/07/25 04:20	1
NMeFOSA	ND		2.0	0.49	ng/L		03/06/25 08:30	03/07/25 04:20	1
N-ethylperfluoro-1-octanesulfonamide	ND		2.0	0.49	ng/L		03/06/25 08:30	03/07/25 04:20	1
NMeFOSAA	ND		2.0	0.49	ng/L		03/06/25 08:30	03/07/25 04:20	1
NEtFOSAA	ND		2.0	0.49	ng/L		03/06/25 08:30	03/07/25 04:20	1
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	ND		9.8	2.5	ng/L		03/06/25 08:30	03/07/25 04:20	1
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	ND		9.8	2.5	ng/L		03/06/25 08:30	03/07/25 04:20	1
HFPO-DA	ND		2.0	0.74	ng/L		03/06/25 08:30	03/07/25 04:20	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.49	ng/L		03/06/25 08:30	03/07/25 04:20	1
Perfluoro-3-methoxypropanoic acid	ND		2.0	0.49	ng/L		03/06/25 08:30	03/07/25 04:20	1
Perfluoro(4-methoxybutanoic acid)	ND		2.0	0.49	ng/L		03/06/25 08:30	03/07/25 04:20	1
Perfluoro-3,6-dioxaheptanoic acid	ND		2.0	0.49	ng/L		03/06/25 08:30	03/07/25 04:20	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND	cn	2.0	0.49	ng/L		03/06/25 08:30	03/07/25 04:20	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		2.0	0.49	ng/L		03/06/25 08:30	03/07/25 04:20	1
PFEESA	ND		2.0	0.49	ng/L		03/06/25 08:30	03/07/25 04:20	1
3:3 FTCA	ND		3.9	0.98	ng/L		03/06/25 08:30	03/07/25 04:20	1
5:3 FTCA	ND		9.8	2.8	ng/L		03/06/25 08:30	03/07/25 04:20	1
7:3 FTCA	ND		9.8	2.5	ng/L		03/06/25 08:30	03/07/25 04:20	1

Client Sample ID: EB-04-021925 — Lab Sample ID: 410-209941-11

Date Collected: 02/19/25 18:00 — **Matrix: Water**
Date Received: 02/28/25 09:55

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	91.3		5 - 130	03/06/25 08:30	03/07/25 04:20	1
13C5 PFPeA	86.8		40 - 130	03/06/25 08:30	03/07/25 04:20	1
13C5 PFHxA	86.8		40 - 130	03/06/25 08:30	03/07/25 04:20	1
13C4 PFHpA	90.1		40 - 130	03/06/25 08:30	03/07/25 04:20	1
13C8 PFOA	89.8		40 - 130	03/06/25 08:30	03/07/25 04:20	1
13C9 PFNA	104		40 - 130	03/06/25 08:30	03/07/25 04:20	1
13C6 PFDA	97.4		40 - 130	03/06/25 08:30	03/07/25 04:20	1
13C7 PFUnA	145	*5+ cn	30 - 130	03/06/25 08:30	03/07/25 04:20	1
13C2 PFTeDA	100		10 - 130	03/06/25 08:30	03/07/25 04:20	1
13C3 PFBS	81.5		40 - 135	03/06/25 08:30	03/07/25 04:20	1
13C3 PFHxS	78.8		40 - 130	03/06/25 08:30	03/07/25 04:20	1
13C8 PFOS	96.6		40 - 130	03/06/25 08:30	03/07/25 04:20	1
13C8 FOSA	88.5		40 - 130	03/06/25 08:30	03/07/25 04:20	1
d3-NMeFOSAA	87.5		40 - 170	03/06/25 08:30	03/07/25 04:20	1
d5-NEtFOSAA	78.0		25 - 135	03/06/25 08:30	03/07/25 04:20	1
M2-4:2 FTS	81.8		40 - 200	03/06/25 08:30	03/07/25 04:20	1
M2-6:2 FTS	81.4		40 - 200	03/06/25 08:30	03/07/25 04:20	1
M2-8:2 FTS	82.5		40 - 300	03/06/25 08:30	03/07/25 04:20	1
13C3 HFPO-DA	94.2		40 - 130	03/06/25 08:30	03/07/25 04:20	1
d7-N-MeFOSE-M	72.3		10 - 130	03/06/25 08:30	03/07/25 04:20	1
d9-N-EtFOSE-M	66.7		10 - 130	03/06/25 08:30	03/07/25 04:20	1
d5-NEtPFOSA	42.0		10 - 130	03/06/25 08:30	03/07/25 04:20	1
d3-NMePFOSA	43.4		10 - 130	03/06/25 08:30	03/07/25 04:20	1
13C2 PFDoA	127	cn	10 - 130	03/06/25 08:30	03/07/25 04:20	1

Client Sample ID: FB-01-021925 — Lab Sample ID: 410-209941-12

Date Collected: 02/19/25 16:00 — **Matrix: Water**
Date Received: 02/28/25 09:55

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid	ND		3.7	1.0	ng/L		03/06/25 08:30	03/07/25 04:34	1
Perfluoropentanoic acid	ND		1.8	0.55	ng/L		03/06/25 08:30	03/07/25 04:34	1
Perfluorohexanoic acid	ND		1.8	0.46	ng/L		03/06/25 08:30	03/07/25 04:34	1
Perfluoroheptanoic acid	ND		1.8	0.73	ng/L		03/06/25 08:30	03/07/25 04:34	1
Perfluorooctanoic acid	ND		1.8	0.82	ng/L		03/06/25 08:30	03/07/25 04:34	1
Perfluorononanoic acid	ND		1.8	0.46	ng/L		03/06/25 08:30	03/07/25 04:34	1
Perfluorodecanoic acid	ND		1.8	0.46	ng/L		03/06/25 08:30	03/07/25 04:34	1
Perfluoroundecanoic acid	ND		1.8	0.46	ng/L		03/06/25 08:30	03/07/25 04:34	1
Perfluorododecanoic acid	ND		1.8	0.46	ng/L		03/06/25 08:30	03/07/25 04:34	1
Perfluorotridecanoic acid	ND		1.8	0.46	ng/L		03/06/25 08:30	03/07/25 04:34	1
Perfluorotetradecanoic acid	ND		1.8	0.46	ng/L		03/06/25 08:30	03/07/25 04:34	1
Perfluorobutanesulfonic acid	ND		1.8	0.46	ng/L		03/06/25 08:30	03/07/25 04:34	1
Perfluoropentanesulfonic acid	ND		1.8	0.46	ng/L		03/06/25 08:30	03/07/25 04:34	1
Perfluorohexanesulfonic acid	ND		1.8	0.73	ng/L		03/06/25 08:30	03/07/25 04:34	1
Perfluoroheptanesulfonic acid	ND		1.8	0.46	ng/L		03/06/25 08:30	03/07/25 04:34	1
Perfluorooctanesulfonic acid	ND		1.8	0.46	ng/L		03/06/25 08:30	03/07/25 04:34	1
Perfluorononanesulfonic acid	ND		1.8	0.46	ng/L		03/06/25 08:30	03/07/25 04:34	1
Perfluorodecanesulfonic acid	ND		1.8	0.46	ng/L		03/06/25 08:30	03/07/25 04:34	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.55	ng/L		03/06/25 08:30	03/07/25 04:34	1

Client Sample ID: FB-01-021925
Date Collected: 02/19/25 16:00
Date Received: 02/28/25 09:55

Lab Sample ID: 410-209941-12
Matrix: Water

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		3.7	0.91	ng/L		03/06/25 08:30	03/07/25 04:34	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		3.7	0.91	ng/L		03/06/25 08:30	03/07/25 04:34	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		3.7	0.91	ng/L		03/06/25 08:30	03/07/25 04:34	1
Perfluorooctanesulfonamide	ND		1.8	0.46	ng/L		03/06/25 08:30	03/07/25 04:34	1
NMeFOSA	ND		1.8	0.46	ng/L		03/06/25 08:30	03/07/25 04:34	1
N-ethylperfluoro-1-octanesulfonamide	ND		1.8	0.46	ng/L		03/06/25 08:30	03/07/25 04:34	1
NMeFOSAA	ND		1.8	0.46	ng/L		03/06/25 08:30	03/07/25 04:34	1
NEtFOSAA	ND		1.8	0.46	ng/L		03/06/25 08:30	03/07/25 04:34	1
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	ND		9.1	2.3	ng/L		03/06/25 08:30	03/07/25 04:34	1
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	ND		9.1	2.3	ng/L		03/06/25 08:30	03/07/25 04:34	1
HFPO-DA	ND		1.8	0.68	ng/L		03/06/25 08:30	03/07/25 04:34	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.46	ng/L		03/06/25 08:30	03/07/25 04:34	1
Perfluoro-3-methoxypropanoic acid	ND		1.8	0.46	ng/L		03/06/25 08:30	03/07/25 04:34	1
Perfluoro(4-methoxybutanoic acid)	ND		1.8	0.46	ng/L		03/06/25 08:30	03/07/25 04:34	1
Perfluoro-3,6-dioxaheptanoic acid	ND		1.8	0.46	ng/L		03/06/25 08:30	03/07/25 04:34	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND	cn	1.8	0.46	ng/L		03/06/25 08:30	03/07/25 04:34	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		1.8	0.46	ng/L		03/06/25 08:30	03/07/25 04:34	1
PFEESA	ND		1.8	0.46	ng/L		03/06/25 08:30	03/07/25 04:34	1
3:3 FTCA	ND		3.7	0.91	ng/L		03/06/25 08:30	03/07/25 04:34	1
5:3 FTCA	ND		9.1	2.6	ng/L		03/06/25 08:30	03/07/25 04:34	1
7:3 FTCA	ND		9.1	2.3	ng/L		03/06/25 08:30	03/07/25 04:34	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91.9*		*5 - 130*	*03/06/25 08:30*	*03/07/25 04:34*	*1*
13C5 PFPeA	*92.4*		*40 - 130*	*03/06/25 08:30*	*03/07/25 04:34*	*1*
13C5 PFHxA	*98.5*		*40 - 130*	*03/06/25 08:30*	*03/07/25 04:34*	*1*
13C4 PFHpA	*99.1*		*40 - 130*	*03/06/25 08:30*	*03/07/25 04:34*	*1*
13C8 PFOA	*93.5*		*40 - 130*	*03/06/25 08:30*	*03/07/25 04:34*	*1*
13C9 PFNA	*113*		*40 - 130*	*03/06/25 08:30*	*03/07/25 04:34*	*1*
13C6 PFDA	*94.0*		*40 - 130*	*03/06/25 08:30*	*03/07/25 04:34*	*1*
13C7 PFUnA	*138*	**5+ cn*	*30 - 130*	*03/06/25 08:30*	*03/07/25 04:34*	*1*
13C2 PFTeDA	*84.9*		*10 - 130*	*03/06/25 08:30*	*03/07/25 04:34*	*1*
13C3 PFBS	*84.9*		*40 - 135*	*03/06/25 08:30*	*03/07/25 04:34*	*1*
13C3 PFHxS	*90.5*		*40 - 130*	*03/06/25 08:30*	*03/07/25 04:34*	*1*
13C8 PFOS	*93.1*		*40 - 130*	*03/06/25 08:30*	*03/07/25 04:34*	*1*
13C8 FOSA	*87.4*		*40 - 130*	*03/06/25 08:30*	*03/07/25 04:34*	*1*
d3-NMeFOSAA	*77.0*		*40 - 170*	*03/06/25 08:30*	*03/07/25 04:34*	*1*
d5-NEtFOSAA	*78.0*		*25 - 135*	*03/06/25 08:30*	*03/07/25 04:34*	*1*
M2-4:2 FTS	*90.6*		*40 - 200*	*03/06/25 08:30*	*03/07/25 04:34*	*1*
M2-6:2 FTS	*96.2*		*40 - 200*	*03/06/25 08:30*	*03/07/25 04:34*	*1*
M2-8:2 FTS	*86.0*		*40 - 300*	*03/06/25 08:30*	*03/07/25 04:34*	*1*
13C3 HFPO-DA	*101*		*40 - 130*	*03/06/25 08:30*	*03/07/25 04:34*	*1*

Client Sample ID: FB-01-021925 — Lab Sample ID: 410-209941-12

Date Collected: 02/19/25 16:00 — **Matrix: Water**
Date Received: 02/28/25 09:55

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d7-N-MeFOSE-M	*66.3*		*10 - 130*	*03/06/25 08:30*	*03/07/25 04:34*	*1*
d9-N-EtFOSE-M	*65.5*		*10 - 130*	*03/06/25 08:30*	*03/07/25 04:34*	*1*
d5-NEtPFOSA	*43.3*		*10 - 130*	*03/06/25 08:30*	*03/07/25 04:34*	*1*
d3-NMePFOSA	*43.2*		*10 - 130*	*03/06/25 08:30*	*03/07/25 04:34*	*1*
13C2 PFDoA	*129*	*cn*	*10 - 130*	*03/06/25 08:30*	*03/07/25 04:34*	*1*

Client Sample ID: EB-03-021825 — Lab Sample ID: 410-209941-13

Date Collected: 02/18/25 15:32 — **Matrix: Water**
Date Received: 02/28/25 09:55

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid	ND		3.6	0.99	ng/L		03/06/25 08:30	03/11/25 00:15	1
Perfluoropentanoic acid	ND		1.8	0.54	ng/L		03/06/25 08:30	03/11/25 00:15	1
Perfluorohexanoic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:15	1
Perfluoroheptanoic acid	ND		1.8	0.72	ng/L		03/06/25 08:30	03/11/25 00:15	1
Perfluorooctanoic acid	ND		1.8	0.81	ng/L		03/06/25 08:30	03/11/25 00:15	1
Perfluorononanoic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:15	1
Perfluorodecanoic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:15	1
Perfluoroundecanoic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:15	1
Perfluorododecanoic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:15	1
Perfluorotridecanoic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:15	1
Perfluorotetradecanoic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:15	1
Perfluorobutanesulfonic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:15	1
Perfluoropentanesulfonic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:15	1
Perfluorohexanesulfonic acid	ND		1.8	0.72	ng/L		03/06/25 08:30	03/11/25 00:15	1
Perfluoroheptanesulfonic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:15	1
Perfluorooctanesulfonic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:15	1
Perfluorononanesulfonic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:15	1
Perfluorodecanesulfonic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:15	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.54	ng/L		03/06/25 08:30	03/11/25 00:15	1
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		3.6	0.90	ng/L		03/06/25 08:30	03/11/25 00:15	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		3.6	0.90	ng/L		03/06/25 08:30	03/11/25 00:15	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		3.6	0.90	ng/L		03/06/25 08:30	03/11/25 00:15	1
Perfluorooctanesulfonamide	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:15	1
NMeFOSA	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:15	1
N-ethylperfluoro-1-octanesulfonamide	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:15	1
NMeFOSAA	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:15	1
NEtFOSAA	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:15	1
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	ND		9.0	2.2	ng/L		03/06/25 08:30	03/11/25 00:15	1
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	ND		9.0	2.2	ng/L		03/06/25 08:30	03/11/25 00:15	1
HFPO-DA	ND		1.8	0.67	ng/L		03/06/25 08:30	03/11/25 00:15	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:15	1

Client Sample ID: EB-03-021825
Lab Sample ID: 410-209941-13
Date Collected: 02/18/25 15:32
Matrix: Water
Date Received: 02/28/25 09:55

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-3-methoxypropanoic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:15	1
Perfluoro(4-methoxybutanoic acid)	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:15	1
Perfluoro-3,6-dioxaheptanoic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:15	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND	cn	1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:15	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:15	1
PFEESA	ND		1.8	0.45	ng/L		03/06/25 08:30	03/11/25 00:15	1
3:3 FTCA	ND		3.6	0.90	ng/L		03/06/25 08:30	03/11/25 00:15	1
5:3 FTCA	ND		9.0	2.5	ng/L		03/06/25 08:30	03/11/25 00:15	1
7:3 FTCA	ND		9.0	2.2	ng/L		03/06/25 08:30	03/11/25 00:15	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*89.3*		*5 - 130*	*03/06/25 08:30*	*03/11/25 00:15*	*1*
13C5 PFPeA	*102*		*40 - 130*	*03/06/25 08:30*	*03/11/25 00:15*	*1*
13C5 PFHxA	*98.1*		*40 - 130*	*03/06/25 08:30*	*03/11/25 00:15*	*1*
13C4 PFHpA	*102*		*40 - 130*	*03/06/25 08:30*	*03/11/25 00:15*	*1*
13C8 PFOA	*86.4*		*40 - 130*	*03/06/25 08:30*	*03/11/25 00:15*	*1*
13C9 PFNA	*106*		*40 - 130*	*03/06/25 08:30*	*03/11/25 00:15*	*1*
13C6 PFDA	*100*		*40 - 130*	*03/06/25 08:30*	*03/11/25 00:15*	*1*
13C7 PFUnA	*125*	*cn*	*30 - 130*	*03/06/25 08:30*	*03/11/25 00:15*	*1*
13C2 PFTeDA	*99.0*		*10 - 130*	*03/06/25 08:30*	*03/11/25 00:15*	*1*
13C3 PFBS	*86.7*		*40 - 135*	*03/06/25 08:30*	*03/11/25 00:15*	*1*
13C3 PFHxS	*89.3*		*40 - 130*	*03/06/25 08:30*	*03/11/25 00:15*	*1*
13C8 PFOS	*85.9*		*40 - 130*	*03/06/25 08:30*	*03/11/25 00:15*	*1*
13C8 FOSA	*79.6*		*40 - 130*	*03/06/25 08:30*	*03/11/25 00:15*	*1*
d3-NMeFOSAA	*81.2*		*40 - 170*	*03/06/25 08:30*	*03/11/25 00:15*	*1*
d5-NEtFOSAA	*101*		*25 - 135*	*03/06/25 08:30*	*03/11/25 00:15*	*1*
M2-4:2 FTS	*89.2*		*40 - 200*	*03/06/25 08:30*	*03/11/25 00:15*	*1*
M2-6:2 FTS	*91.8*		*40 - 200*	*03/06/25 08:30*	*03/11/25 00:15*	*1*
M2-8:2 FTS	*88.3*		*40 - 300*	*03/06/25 08:30*	*03/11/25 00:15*	*1*
13C3 HFPO-DA	*97.6*		*40 - 130*	*03/06/25 08:30*	*03/11/25 00:15*	*1*
d7-N-MeFOSE-M	*68.4*		*10 - 130*	*03/06/25 08:30*	*03/11/25 00:15*	*1*
d9-N-EtFOSE-M	*64.0*		*10 - 130*	*03/06/25 08:30*	*03/11/25 00:15*	*1*
d5-NEtPFOSA	*45.0*		*10 - 130*	*03/06/25 08:30*	*03/11/25 00:15*	*1*
d3-NMePFOSA	*48.0*		*10 - 130*	*03/06/25 08:30*	*03/11/25 00:15*	*1*
13C2 PFDoA	*111*	*cn*	*10 - 130*	*03/06/25 08:30*	*03/11/25 00:15*	*1*

Qualifiers

LCMS

Qualifier	Qualifier Description
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
cn	Refer to Case Narrative for further detail
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Lab Sample ID: MB 410-613015/1-A
Matrix: Water
Analysis Batch: 613042

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 613015

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid	ND		4.0	1.1	ng/L		03/05/25 07:58	03/06/25 06:16	1
Perfluoropentanoic acid	ND		2.0	0.60	ng/L		03/05/25 07:58	03/06/25 06:16	1
Perfluorohexanoic acid	ND		2.0	0.50	ng/L		03/05/25 07:58	03/06/25 06:16	1
Perfluoroheptanoic acid	ND		2.0	0.80	ng/L		03/05/25 07:58	03/06/25 06:16	1
Perfluorooctanoic acid	ND		2.0	0.90	ng/L		03/05/25 07:58	03/06/25 06:16	1
Perfluorononanoic acid	ND		2.0	0.50	ng/L		03/05/25 07:58	03/06/25 06:16	1
Perfluorodecanoic acid	ND		2.0	0.50	ng/L		03/05/25 07:58	03/06/25 06:16	1
Perfluoroundecanoic acid	ND		2.0	0.50	ng/L		03/05/25 07:58	03/06/25 06:16	1
Perfluorododecanoic acid	ND		2.0	0.50	ng/L		03/05/25 07:58	03/06/25 06:16	1
Perfluorotridecanoic acid	ND		2.0	0.50	ng/L		03/05/25 07:58	03/06/25 06:16	1
Perfluorotetradecanoic acid	ND		2.0	0.50	ng/L		03/05/25 07:58	03/06/25 06:16	1
Perfluorobutanesulfonic acid	ND		2.0	0.50	ng/L		03/05/25 07:58	03/06/25 06:16	1
Perfluoropentanesulfonic acid	ND		2.0	0.50	ng/L		03/05/25 07:58	03/06/25 06:16	1
Perfluorohexanesulfonic acid	ND		2.0	0.80	ng/L		03/05/25 07:58	03/06/25 06:16	1
Perfluoroheptanesulfonic acid	ND		2.0	0.50	ng/L		03/05/25 07:58	03/06/25 06:16	1
Perfluorooctanesulfonic acid	ND		2.0	0.50	ng/L		03/05/25 07:58	03/06/25 06:16	1
Perfluorononanesulfonic acid	ND		2.0	0.50	ng/L		03/05/25 07:58	03/06/25 06:16	1
Perfluorodecanesulfonic acid	ND		2.0	0.50	ng/L		03/05/25 07:58	03/06/25 06:16	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.60	ng/L		03/05/25 07:58	03/06/25 06:16	1
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		4.0	1.0	ng/L		03/05/25 07:58	03/06/25 06:16	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.0	1.0	ng/L		03/05/25 07:58	03/06/25 06:16	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		4.0	1.0	ng/L		03/05/25 07:58	03/06/25 06:16	1
Perfluorooctanesulfonamide	ND		2.0	0.50	ng/L		03/05/25 07:58	03/06/25 06:16	1
NMeFOSA	ND		2.0	0.50	ng/L		03/05/25 07:58	03/06/25 06:16	1
N-ethylperfluoro-1-octanesulfonamide	ND		2.0	0.50	ng/L		03/05/25 07:58	03/06/25 06:16	1
NMeFOSAA	ND		2.0	0.50	ng/L		03/05/25 07:58	03/06/25 06:16	1
NEtFOSAA	ND		2.0	0.50	ng/L		03/05/25 07:58	03/06/25 06:16	1
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	ND		10	2.5	ng/L		03/05/25 07:58	03/06/25 06:16	1
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	ND		10	2.5	ng/L		03/05/25 07:58	03/06/25 06:16	1
HFPO-DA	ND		2.0	0.75	ng/L		03/05/25 07:58	03/06/25 06:16	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.50	ng/L		03/05/25 07:58	03/06/25 06:16	1
Perfluoro-3-methoxypropanoic acid	ND		2.0	0.50	ng/L		03/05/25 07:58	03/06/25 06:16	1
Perfluoro(4-methoxybutanoic acid)	ND		2.0	0.50	ng/L		03/05/25 07:58	03/06/25 06:16	1
Perfluoro-3,6-dioxaheptanoic acid	ND		2.0	0.50	ng/L		03/05/25 07:58	03/06/25 06:16	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND		2.0	0.50	ng/L		03/05/25 07:58	03/06/25 06:16	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		2.0	0.50	ng/L		03/05/25 07:58	03/06/25 06:16	1
PFEESA	ND		2.0	0.50	ng/L		03/05/25 07:58	03/06/25 06:16	1
3:3 FTCA	ND		4.0	1.0	ng/L		03/05/25 07:58	03/06/25 06:16	1
5:3 FTCA	ND		10	2.8	ng/L		03/05/25 07:58	03/06/25 06:16	1
7:3 FTCA	ND		10	2.5	ng/L		03/05/25 07:58	03/06/25 06:16	1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	81.2		5 - 130	03/05/25 07:58	03/06/25 06:16	1
13C5 PFPeA	87.6		40 - 130	03/05/25 07:58	03/06/25 06:16	1
13C5 PFHxA	82.0		40 - 130	03/05/25 07:58	03/06/25 06:16	1
13C4 PFHpA	85.5		40 - 130	03/05/25 07:58	03/06/25 06:16	1
13C8 PFOA	82.3		40 - 130	03/05/25 07:58	03/06/25 06:16	1
13C9 PFNA	87.8		40 - 130	03/05/25 07:58	03/06/25 06:16	1
13C6 PFDA	80.2		40 - 130	03/05/25 07:58	03/06/25 06:16	1
13C7 PFUnA	85.5		30 - 130	03/05/25 07:58	03/06/25 06:16	1
13C2 PFTeDA	81.6		10 - 130	03/05/25 07:58	03/06/25 06:16	1
13C3 PFBS	76.0		40 - 135	03/05/25 07:58	03/06/25 06:16	1
13C3 PFHxS	81.8		40 - 130	03/05/25 07:58	03/06/25 06:16	1
13C8 PFOS	89.4		40 - 130	03/05/25 07:58	03/06/25 06:16	1
13C8 FOSA	65.5		40 - 130	03/05/25 07:58	03/06/25 06:16	1
d3-NMeFOSAA	81.3		40 - 170	03/05/25 07:58	03/06/25 06:16	1
d5-NEtFOSAA	83.1		25 - 135	03/05/25 07:58	03/06/25 06:16	1
M2-4:2 FTS	70.0		40 - 200	03/05/25 07:58	03/06/25 06:16	1
M2-6:2 FTS	74.1		40 - 200	03/05/25 07:58	03/06/25 06:16	1
M2-8:2 FTS	72.2		40 - 300	03/05/25 07:58	03/06/25 06:16	1
13C3 HFPO-DA	85.5		40 - 130	03/05/25 07:58	03/06/25 06:16	1
d7-N-MeFOSE-M	66.4		10 - 130	03/05/25 07:58	03/06/25 06:16	1
d9-N-EtFOSE-M	67.5		10 - 130	03/05/25 07:58	03/06/25 06:16	1
d5-NEtPFOSA	48.9		10 - 130	03/05/25 07:58	03/06/25 06:16	1
d3-NMePFOSA	48.6		10 - 130	03/05/25 07:58	03/06/25 06:16	1
13C2 PFDoA	75.6		10 - 130	03/05/25 07:58	03/06/25 06:16	1

Lab Sample ID: LCS 410-613015/2-A
Matrix: Water
Analysis Batch: 613042

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 613015

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid	80.0	73.0		ng/L		91	70 - 140
Perfluoropentanoic acid	40.0	39.4		ng/L		98	65 - 135
Perfluorohexanoic acid	40.0	40.1		ng/L		100	70 - 145
Perfluoroheptanoic acid	40.0	42.2		ng/L		106	70 - 150
Perfluorooctanoic acid	40.0	36.8		ng/L		92	70 - 150
Perfluorononanoic acid	40.0	37.3		ng/L		93	70 - 150
Perfluorodecanoic acid	40.0	40.4		ng/L		101	70 - 140
Perfluoroundecanoic acid	40.0	39.0		ng/L		98	70 - 145
Perfluorododecanoic acid	40.0	40.9		ng/L		102	70 - 140
Perfluorotridecanoic acid	40.0	38.8		ng/L		97	65 - 140
Perfluorotetradecanoic acid	40.0	41.5		ng/L		104	60 - 140
Perfluorobutanesulfonic acid	35.5	27.2		ng/L		77	60 - 145
Perfluoropentanesulfonic acid	37.6	34.0		ng/L		90	65 - 140
Perfluorohexanesulfonic acid	36.5	32.0		ng/L		88	65 - 145
Perfluoroheptanesulfonic acid	38.2	34.1		ng/L		89	70 - 150
Perfluorooctanesulfonic acid	37.2	35.0		ng/L		94	55 - 150
Perfluorononanesulfonic acid	38.5	29.2		ng/L		76	65 - 145
Perfluorodecanesulfonic acid	38.6	29.7		ng/L		77	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	38.8	29.4		ng/L		76	50 - 145
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	74.7	69.5		ng/L		93	70 - 145

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 410-613015/2-A
Matrix: Water
Analysis Batch: 613042

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 613015

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	75.8	74.8		ng/L		99	65 - 155
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	76.6	82.9		ng/L		108	60 - 150
Perfluorooctanesulfonamide	40.0	38.7		ng/L		97	70 - 145
NMeFOSA	40.0	39.9		ng/L		100	60 - 150
N-ethylperfluoro-1-octanesulfonamide	40.0	38.3		ng/L		96	65 - 145
NMeFOSAA	40.0	39.0		ng/L		97	50 - 140
NEtFOSAA	40.0	39.5		ng/L		99	70 - 145
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	200	183		ng/L		92	70 - 145
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	200	191		ng/L		96	70 - 135
HFPO-DA	30.0	25.4		ng/L		85	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	30.4		ng/L		80	65 - 145
Perfluoro-3-methoxypropanoic acid	40.0	42.3		ng/L		106	55 - 140
Perfluoro(4-methoxybutanoic acid)	40.0	39.8		ng/L		100	60 - 150
Perfluoro-3,6-dioxaheptanoic acid	40.0	40.2		ng/L		101	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	37.4	37.2		ng/L		100	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	37.8	31.9		ng/L		85	55 - 160
PFEESA	35.7	33.0		ng/L		92	70 - 140
3:3 FTCA	80.0	69.9		ng/L		87	65 - 130
5:3 FTCA	200	159		ng/L		79	70 - 135
7:3 FTCA	200	140		ng/L		70	50 - 145

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*83.1*		*5 - 130*
13C5 PFPeA	*85.3*		*40 - 130*
13C5 PFHxA	*82.2*		*40 - 130*
13C4 PFHpA	*90.3*		*40 - 130*
13C8 PFOA	*81.7*		*40 - 130*
13C9 PFNA	*87.2*		*40 - 130*
13C6 PFDA	*82.5*		*40 - 130*
13C7 PFUnA	*88.0*		*30 - 130*
13C2 PFTeDA	*81.2*		*10 - 130*
13C3 PFBS	*77.8*		*40 - 135*
13C3 PFHxS	*86.5*		*40 - 130*
13C8 PFOS	*91.1*		*40 - 130*
13C8 FOSA	*69.2*		*40 - 130*
d3-NMeFOSAA	*79.5*		*40 - 170*
d5-NEtFOSAA	*84.0*		*25 - 135*
M2-4:2 FTS	*74.9*		*40 - 200*
M2-6:2 FTS	*80.1*		*40 - 200*

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 410-613015/2-A
Matrix: Water
Analysis Batch: 613042

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 613015

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-8:2 FTS	71.5		40 - 300
13C3 HFPO-DA	88.7		40 - 130
d7-N-MeFOSE-M	70.5		10 - 130
d9-N-EtFOSE-M	67.0		10 - 130
d5-NEtPFOSA	50.8		10 - 130
d3-NMePFOSA	49.4		10 - 130
13C2 PFDoA	74.0		10 - 130

Lab Sample ID: LLCS 410-613015/3-A
Matrix: Water
Analysis Batch: 613042

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 613015

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid	8.00	8.09		ng/L		101	70 - 140
Perfluoropentanoic acid	4.00	4.10		ng/L		103	65 - 135
Perfluorohexanoic acid	4.00	3.89		ng/L		97	70 - 145
Perfluoroheptanoic acid	4.00	3.62		ng/L		90	70 - 150
Perfluorooctanoic acid	4.00	4.02		ng/L		101	70 - 150
Perfluorononanoic acid	4.00	4.04		ng/L		101	70 - 150
Perfluorodecanoic acid	4.00	4.05		ng/L		101	70 - 140
Perfluoroundecanoic acid	4.00	3.93		ng/L		98	70 - 145
Perfluorododecanoic acid	4.00	4.02		ng/L		100	70 - 140
Perfluorotridecanoic acid	4.00	3.98		ng/L		100	65 - 140
Perfluorotetradecanoic acid	4.00	3.58		ng/L		89	60 - 140
Perfluorobutanesulfonic acid	3.55	3.11		ng/L		88	60 - 145
Perfluoropentanesulfonic acid	3.76	3.93		ng/L		105	65 - 140
Perfluorohexanesulfonic acid	3.65	3.10		ng/L		85	65 - 145
Perfluoroheptanesulfonic acid	3.82	3.66		ng/L		96	70 - 150
Perfluorooctanesulfonic acid	3.72	3.70		ng/L		100	55 - 150
Perfluorononanesulfonic acid	3.85	3.28		ng/L		85	65 - 145
Perfluorodecanesulfonic acid	3.86	3.01		ng/L		78	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	3.88	2.96		ng/L		76	50 - 145
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	7.47	8.20		ng/L		110	70 - 145
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	7.58	7.83		ng/L		103	65 - 155
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	7.66	9.12		ng/L		119	60 - 150
Perfluorooctanesulfonamide	4.00	4.17		ng/L		104	70 - 145
NMeFOSA	4.00	4.03		ng/L		101	60 - 150
N-ethylperfluoro-1-octanesulfonamide	4.00	4.09		ng/L		102	65 - 145
NMeFOSAA	4.00	4.37		ng/L		109	50 - 140
NEtFOSAA	4.00	3.95		ng/L		99	70 - 145
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	20.0	20.4		ng/L		102	70 - 145
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	20.0	20.3		ng/L		102	70 - 135

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 410-613015/3-A
Matrix: Water
Analysis Batch: 613042

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 613015

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
HFPO-DA	3.00	3.05		ng/L		102	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	3.28		ng/L		87	65 - 145
Perfluoro-3-methoxypropanoic acid	4.00	4.27		ng/L		107	55 - 140
Perfluoro(4-methoxybutanoic acid)	4.00	4.42		ng/L		111	60 - 150
Perfluoro-3,6-dioxaheptanoic acid	4.00	4.98		ng/L		124	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	3.74	4.07		ng/L		109	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	3.78	3.65		ng/L		97	55 - 160
PFEESA	3.57	3.70		ng/L		104	70 - 140
3:3 FTCA	8.00	8.16		ng/L		102	65 - 130
5:3 FTCA	20.0	17.3		ng/L		87	70 - 135
7:3 FTCA	20.0	13.3		ng/L		67	50 - 145

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*81.8*		*5 - 130*
13C5 PFPeA	*85.3*		*40 - 130*
13C5 PFHxA	*82.2*		*40 - 130*
13C4 PFHpA	*90.2*		*40 - 130*
13C8 PFOA	*83.7*		*40 - 130*
13C9 PFNA	*83.4*		*40 - 130*
13C6 PFDA	*80.6*		*40 - 130*
13C7 PFUnA	*82.2*		*30 - 130*
13C2 PFTeDA	*78.7*		*10 - 130*
13C3 PFBS	*79.7*		*40 - 135*
13C3 PFHxS	*87.3*		*40 - 130*
13C8 PFOS	*91.0*		*40 - 130*
13C8 FOSA	*64.6*		*40 - 130*
d3-NMeFOSAA	*72.5*		*40 - 170*
d5-NEtFOSAA	*79.1*		*25 - 135*
M2-4:2 FTS	*74.8*		*40 - 200*
M2-6:2 FTS	*89.2*		*40 - 200*
M2-8:2 FTS	*78.4*		*40 - 300*
13C3 HFPO-DA	*84.9*		*40 - 130*
d7-N-MeFOSE-M	*61.1*		*10 - 130*
d9-N-EtFOSE-M	*59.4*		*10 - 130*
d5-NEtPFOSA	*44.3*		*10 - 130*
d3-NMePFOSA	*44.1*		*10 - 130*
13C2 PFDoA	*72.4*		*10 - 130*

Lab Sample ID: MB 410-613587/1-A
Matrix: Water
Analysis Batch: 613851

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 613587

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid	ND		4.0	1.1	ng/L		03/06/25 08:30	03/07/25 02:27	1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 410-613587/1-A
Matrix: Water
Analysis Batch: 613851

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 613587

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid	ND		2.0	0.60	ng/L		03/06/25 08:30	03/07/25 02:27	1
Perfluorohexanoic acid	ND		2.0	0.50	ng/L		03/06/25 08:30	03/07/25 02:27	1
Perfluoroheptanoic acid	ND		2.0	0.80	ng/L		03/06/25 08:30	03/07/25 02:27	1
Perfluorooctanoic acid	ND		2.0	0.90	ng/L		03/06/25 08:30	03/07/25 02:27	1
Perfluorononanoic acid	ND		2.0	0.50	ng/L		03/06/25 08:30	03/07/25 02:27	1
Perfluorodecanoic acid	ND		2.0	0.50	ng/L		03/06/25 08:30	03/07/25 02:27	1
Perfluoroundecanoic acid	ND		2.0	0.50	ng/L		03/06/25 08:30	03/07/25 02:27	1
Perfluorododecanoic acid	ND		2.0	0.50	ng/L		03/06/25 08:30	03/07/25 02:27	1
Perfluorotridecanoic acid	ND		2.0	0.50	ng/L		03/06/25 08:30	03/07/25 02:27	1
Perfluorotetradecanoic acid	ND		2.0	0.50	ng/L		03/06/25 08:30	03/07/25 02:27	1
Perfluorobutanesulfonic acid	ND		2.0	0.50	ng/L		03/06/25 08:30	03/07/25 02:27	1
Perfluoropentanesulfonic acid	ND		2.0	0.50	ng/L		03/06/25 08:30	03/07/25 02:27	1
Perfluorohexanesulfonic acid	ND		2.0	0.80	ng/L		03/06/25 08:30	03/07/25 02:27	1
Perfluoroheptanesulfonic acid	ND		2.0	0.50	ng/L		03/06/25 08:30	03/07/25 02:27	1
Perfluorooctanesulfonic acid	ND		2.0	0.50	ng/L		03/06/25 08:30	03/07/25 02:27	1
Perfluorononanesulfonic acid	ND		2.0	0.50	ng/L		03/06/25 08:30	03/07/25 02:27	1
Perfluorodecanesulfonic acid	ND		2.0	0.50	ng/L		03/06/25 08:30	03/07/25 02:27	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.60	ng/L		03/06/25 08:30	03/07/25 02:27	1
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		4.0	1.0	ng/L		03/06/25 08:30	03/07/25 02:27	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.0	1.0	ng/L		03/06/25 08:30	03/07/25 02:27	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		4.0	1.0	ng/L		03/06/25 08:30	03/07/25 02:27	1
Perfluorooctanesulfonamide	ND		2.0	0.50	ng/L		03/06/25 08:30	03/07/25 02:27	1
NMeFOSA	ND		2.0	0.50	ng/L		03/06/25 08:30	03/07/25 02:27	1
N-ethylperfluoro-1-octanesulfonamide	ND		2.0	0.50	ng/L		03/06/25 08:30	03/07/25 02:27	1
NMeFOSAA	ND		2.0	0.50	ng/L		03/06/25 08:30	03/07/25 02:27	1
NEtFOSAA	ND		2.0	0.50	ng/L		03/06/25 08:30	03/07/25 02:27	1
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	ND		10	2.5	ng/L		03/06/25 08:30	03/07/25 02:27	1
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	ND		10	2.5	ng/L		03/06/25 08:30	03/07/25 02:27	1
HFPO-DA	ND		2.0	0.75	ng/L		03/06/25 08:30	03/07/25 02:27	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.50	ng/L		03/06/25 08:30	03/07/25 02:27	1
Perfluoro-3-methoxypropanoic acid	ND		2.0	0.50	ng/L		03/06/25 08:30	03/07/25 02:27	1
Perfluoro(4-methoxybutanoic acid)	ND		2.0	0.50	ng/L		03/06/25 08:30	03/07/25 02:27	1
Perfluoro-3,6-dioxaheptanoic acid	ND		2.0	0.50	ng/L		03/06/25 08:30	03/07/25 02:27	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND		2.0	0.50	ng/L		03/06/25 08:30	03/07/25 02:27	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		2.0	0.50	ng/L		03/06/25 08:30	03/07/25 02:27	1
PFEESA	ND		2.0	0.50	ng/L		03/06/25 08:30	03/07/25 02:27	1
3:3 FTCA	ND		4.0	1.0	ng/L		03/06/25 08:30	03/07/25 02:27	1
5:3 FTCA	ND		10	2.8	ng/L		03/06/25 08:30	03/07/25 02:27	1
7:3 FTCA	ND		10	2.5	ng/L		03/06/25 08:30	03/07/25 02:27	1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	83.5		5 - 130	03/06/25 08:30	03/07/25 02:27	1
13C5 PFPeA	77.6		40 - 130	03/06/25 08:30	03/07/25 02:27	1
13C5 PFHxA	82.5		40 - 130	03/06/25 08:30	03/07/25 02:27	1
13C4 PFHpA	79.3		40 - 130	03/06/25 08:30	03/07/25 02:27	1
13C8 PFOA	92.0		40 - 130	03/06/25 08:30	03/07/25 02:27	1
13C9 PFNA	105		40 - 130	03/06/25 08:30	03/07/25 02:27	1
13C6 PFDA	80.5		40 - 130	03/06/25 08:30	03/07/25 02:27	1
13C7 PFUnA	126		30 - 130	03/06/25 08:30	03/07/25 02:27	1
13C2 PFTeDA	78.5		10 - 130	03/06/25 08:30	03/07/25 02:27	1
13C3 PFBS	87.2		40 - 135	03/06/25 08:30	03/07/25 02:27	1
13C3 PFHxS	84.0		40 - 130	03/06/25 08:30	03/07/25 02:27	1
13C8 PFOS	89.4		40 - 130	03/06/25 08:30	03/07/25 02:27	1
13C8 FOSA	82.7		40 - 130	03/06/25 08:30	03/07/25 02:27	1
d3-NMeFOSAA	80.8		40 - 170	03/06/25 08:30	03/07/25 02:27	1
d5-NEtFOSAA	76.9		25 - 135	03/06/25 08:30	03/07/25 02:27	1
M2-4:2 FTS	82.9		40 - 200	03/06/25 08:30	03/07/25 02:27	1
M2-6:2 FTS	88.3		40 - 200	03/06/25 08:30	03/07/25 02:27	1
M2-8:2 FTS	81.4		40 - 300	03/06/25 08:30	03/07/25 02:27	1
13C3 HFPO-DA	87.5		40 - 130	03/06/25 08:30	03/07/25 02:27	1
d7-N-MeFOSE-M	65.5		10 - 130	03/06/25 08:30	03/07/25 02:27	1
d9-N-EtFOSE-M	64.7		10 - 130	03/06/25 08:30	03/07/25 02:27	1
d5-NEtPFOSA	42.1		10 - 130	03/06/25 08:30	03/07/25 02:27	1
d3-NMePFOSA	42.5		10 - 130	03/06/25 08:30	03/07/25 02:27	1
13C2 PFDoA	107		10 - 130	03/06/25 08:30	03/07/25 02:27	1

Lab Sample ID: LCS 410-613587/2-A
Matrix: Water
Analysis Batch: 613851

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 613587

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid	80.0	73.7		ng/L		92	70 - 140
Perfluoropentanoic acid	40.0	35.6		ng/L		89	65 - 135
Perfluorohexanoic acid	40.0	37.7		ng/L		94	70 - 145
Perfluoroheptanoic acid	40.0	40.0		ng/L		100	70 - 150
Perfluorooctanoic acid	40.0	35.5		ng/L		89	70 - 150
Perfluorononanoic acid	40.0	37.4		ng/L		94	70 - 150
Perfluorodecanoic acid	40.0	43.8		ng/L		110	70 - 140
Perfluoroundecanoic acid	40.0	35.7		ng/L		89	70 - 145
Perfluorododecanoic acid	40.0	44.7		ng/L		112	70 - 140
Perfluorotridecanoic acid	40.0	37.9		ng/L		95	65 - 140
Perfluorotetradecanoic acid	40.0	38.1		ng/L		95	60 - 140
Perfluorobutanesulfonic acid	35.5	34.3		ng/L		97	60 - 145
Perfluoropentanesulfonic acid	37.6	35.8		ng/L		95	65 - 140
Perfluorohexanesulfonic acid	36.5	31.0		ng/L		85	65 - 145
Perfluoroheptanesulfonic acid	38.2	29.6		ng/L		77	70 - 150
Perfluorooctanesulfonic acid	37.2	32.0		ng/L		86	55 - 150
Perfluorononanesulfonic acid	38.5	31.0		ng/L		81	65 - 145
Perfluorodecanesulfonic acid	38.6	34.1		ng/L		88	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	38.8	26.5		ng/L		68	50 - 145
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	74.7	65.1		ng/L		87	70 - 145

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 410-613587/2-A
Matrix: Water
Analysis Batch: 613851

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 613587

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	75.8	72.1		ng/L		95	65 - 155
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	76.6	70.2		ng/L		92	60 - 150
Perfluorooctanesulfonamide	40.0	39.3		ng/L		98	70 - 145
NMeFOSA	40.0	39.7		ng/L		99	60 - 150
N-ethylperfluoro-1-octanesulfonamide	40.0	35.7		ng/L		89	65 - 145
NMeFOSAA	40.0	35.5		ng/L		89	50 - 140
NEtFOSAA	40.0	38.1		ng/L		95	70 - 145
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	200	187		ng/L		93	70 - 145
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	200	181		ng/L		90	70 - 135
HFPO-DA	30.0	28.3		ng/L		94	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	32.1		ng/L		85	65 - 145
Perfluoro-3-methoxypropanoic acid	40.0	36.8		ng/L		92	55 - 140
Perfluoro(4-methoxybutanoic acid)	40.0	35.9		ng/L		90	60 - 150
Perfluoro-3,6-dioxaheptanoic acid	40.0	39.0		ng/L		97	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	37.4	47.6		ng/L		127	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	37.8	37.0		ng/L		98	55 - 160
PFEESA	35.7	30.9		ng/L		87	70 - 140
3:3 FTCA	80.0	67.4		ng/L		84	65 - 130
5:3 FTCA	200	169		ng/L		85	70 - 135
7:3 FTCA	200	161		ng/L		80	50 - 145

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*89.6*		*5 - 130*
13C5 PFPeA	*88.7*		*40 - 130*
13C5 PFHxA	*84.3*		*40 - 130*
13C4 PFHpA	*91.4*		*40 - 130*
13C8 PFOA	*92.7*		*40 - 130*
13C9 PFNA	*115*		*40 - 130*
13C6 PFDA	*97.9*		*40 - 130*
13C7 PFUnA	*146*	*5+	*30 - 130*
13C2 PFTeDA	*97.8*		*10 - 130*
13C3 PFBS	*88.3*		*40 - 135*
13C3 PFHxS	*97.1*		*40 - 130*
13C8 PFOS	*91.6*		*40 - 130*
13C8 FOSA	*82.9*		*40 - 130*
d3-NMeFOSAA	*79.1*		*40 - 170*
d5-NEtFOSAA	*81.1*		*25 - 135*
M2-4:2 FTS	*89.2*		*40 - 200*
M2-6:2 FTS	*93.3*		*40 - 200*

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 410-613587/2-A
Matrix: Water
Analysis Batch: 613851

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 613587

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-8:2 FTS	95.6		40 - 300
13C3 HFPO-DA	86.8		40 - 130
d7-N-MeFOSE-M	66.9		10 - 130
d9-N-EtFOSE-M	64.3		10 - 130
d5-NEtPFOSA	52.4		10 - 130
d3-NMePFOSA	51.2		10 - 130
13C2 PFDoA	126		10 - 130

Lab Sample ID: LCSD 410-613587/3-A
Matrix: Water
Analysis Batch: 613851

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 613587

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid			80.0	74.9		ng/L		94	70 - 140	2	30
Perfluoropentanoic acid			40.0	35.3		ng/L		88	65 - 135	1	30
Perfluorohexanoic acid			40.0	36.6		ng/L		92	70 - 145	3	30
Perfluoroheptanoic acid			40.0	42.0		ng/L		105	70 - 150	5	30
Perfluorooctanoic acid			40.0	36.4		ng/L		91	70 - 150	3	30
Perfluorononanoic acid			40.0	38.0		ng/L		95	70 - 150	1	30
Perfluorodecanoic acid			40.0	41.5		ng/L		104	70 - 140	5	30
Perfluoroundecanoic acid			40.0	31.0		ng/L		77	70 - 145	14	30
Perfluorododecanoic acid			40.0	37.3		ng/L		93	70 - 140	18	30
Perfluorotridecanoic acid			40.0	39.7		ng/L		99	65 - 140	5	30
Perfluorotetradecanoic acid			40.0	36.7		ng/L		92	60 - 140	4	30
Perfluorobutanesulfonic acid			35.5	30.8		ng/L		87	60 - 145	11	30
Perfluoropentanesulfonic acid			37.6	35.5		ng/L		94	65 - 140	1	30
Perfluorohexanesulfonic acid			36.5	30.9		ng/L		85	65 - 145	0	30
Perfluoroheptanesulfonic acid			38.2	31.9		ng/L		84	70 - 150	8	30
Perfluorooctanesulfonic acid			37.2	34.2		ng/L		92	55 - 150	7	30
Perfluorononanesulfonic acid			38.5	37.5		ng/L		97	65 - 145	19	30
Perfluorodecanesulfonic acid			38.6	35.0		ng/L		91	60 - 145	3	30
Perfluorododecanesulfonic acid (PFDoS)			38.8	30.1		ng/L		78	50 - 145	13	30
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)			74.7	60.6		ng/L		81	70 - 145	7	30
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)			75.8	62.5		ng/L		82	65 - 155	14	30
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)			76.6	62.5		ng/L		82	60 - 150	12	30
Perfluorooctanesulfonamide			40.0	37.5		ng/L		94	70 - 145	5	30
NMeFOSA			40.0	38.1		ng/L		95	60 - 150	4	30
N-ethylperfluoro-1-octanesulfonamide			40.0	36.4		ng/L		91	65 - 145	2	30
NMeFOSAA			40.0	37.9		ng/L		95	50 - 140	7	30
NEtFOSAA			40.0	40.7		ng/L		102	70 - 145	7	30
2-(N-methylperfluoro-1-octanesulfonamido) ethanol			200	188		ng/L		94	70 - 145	1	30
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol			200	181		ng/L		91	70 - 135	0	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCSD 410-613587/3-A
Matrix: Water
Analysis Batch: 613851

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 613587

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
HFPO-DA			30.0	29.3		ng/L		98	70 - 140	4	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)			37.8	30.9		ng/L		82	65 - 145	4	30
Perfluoro-3-methoxypropanoic acid			40.0	35.8		ng/L		89	55 - 140	3	30
Perfluoro(4-methoxybutanoic acid)			40.0	35.6		ng/L		89	60 - 150	1	30
Perfluoro-3,6-dioxaheptanoic acid			40.0	36.4		ng/L		91	50 - 150	7	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid			37.4	45.9		ng/L		123	70 - 155	4	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid			37.8	36.5		ng/L		97	55 - 160	1	30
PFEESA			35.7	31.9		ng/L		90	70 - 140	3	30
3:3 FTCA			80.0	70.1		ng/L		88	65 - 130	4	30
5:3 FTCA			200	160		ng/L		80	70 - 135	6	30
7:3 FTCA			200	149		ng/L		75	50 - 145	8	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFBA	*87.1*		*5 - 130*
13C5 PFPeA	*91.5*		*40 - 130*
13C5 PFHxA	*93.2*		*40 - 130*
13C4 PFHpA	*92.0*		*40 - 130*
13C8 PFOA	*92.8*		*40 - 130*
13C9 PFNA	*113*		*40 - 130*
13C6 PFDA	*90.6*		*40 - 130*
13C7 PFUnA	*146*	*5+	*30 - 130*
13C2 PFTeDA	*91.4*		*10 - 130*
13C3 PFBS	*87.0*		*40 - 135*
13C3 PFHxS	*81.8*		*40 - 130*
13C8 PFOS	*82.3*		*40 - 130*
13C8 FOSA	*88.7*		*40 - 130*
d3-NMeFOSAA	*81.5*		*40 - 170*
d5-NEtFOSAA	*75.6*		*25 - 135*
M2-4:2 FTS	*82.4*		*40 - 200*
M2-6:2 FTS	*84.4*		*40 - 200*
M2-8:2 FTS	*88.2*		*40 - 300*
13C3 HFPO-DA	*90.6*		*40 - 130*
d7-N-MeFOSE-M	*69.9*		*10 - 130*
d9-N-EtFOSE-M	*68.1*		*10 - 130*
d5-NEtPFOSA	*55.4*		*10 - 130*
d3-NMePFOSA	*55.7*		*10 - 130*
13C2 PFDoA	*128*		*10 - 130*

Lab Sample ID: LLCS 410-613587/4-A
Matrix: Water
Analysis Batch: 613851

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 613587

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluorobutanoic acid			8.00	9.79		ng/L		122	70 - 140		

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 410-613587/4-A
Matrix: Water
Analysis Batch: 613851

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 613587

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoropentanoic acid	4.00	4.51		ng/L		113	65 - 135
Perfluorohexanoic acid	4.00	4.96		ng/L		124	70 - 145
Perfluoroheptanoic acid	4.00	4.42		ng/L		110	70 - 150
Perfluorooctanoic acid	4.00	4.73		ng/L		118	70 - 150
Perfluorononanoic acid	4.00	4.85		ng/L		121	70 - 150
Perfluorodecanoic acid	4.00	4.88		ng/L		122	70 - 140
Perfluoroundecanoic acid	4.00	4.02		ng/L		100	70 - 145
Perfluorododecanoic acid	4.00	5.46		ng/L		137	70 - 140
Perfluorotridecanoic acid	4.00	4.20		ng/L		105	65 - 140
Perfluorotetradecanoic acid	4.00	3.91		ng/L		98	60 - 140
Perfluorobutanesulfonic acid	3.55	4.25		ng/L		120	60 - 145
Perfluoropentanesulfonic acid	3.76	4.21		ng/L		112	65 - 140
Perfluorohexanesulfonic acid	3.65	4.74		ng/L		130	65 - 145
Perfluoroheptanesulfonic acid	3.82	3.79		ng/L		99	70 - 150
Perfluorooctanesulfonic acid	3.72	4.45		ng/L		120	55 - 150
Perfluorononanesulfonic acid	3.85	4.23		ng/L		110	65 - 145
Perfluorodecanesulfonic acid	3.86	3.45		ng/L		89	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	3.88	3.01		ng/L		77	50 - 145
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	7.47	8.86		ng/L		119	70 - 145
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	7.58	9.53		ng/L		126	65 - 155
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	7.66	6.94		ng/L		91	60 - 150
Perfluorooctanesulfonamide	4.00	4.67		ng/L		117	70 - 145
NMeFOSA	4.00	5.13		ng/L		128	60 - 150
N-ethylperfluoro-1-octanesulfonamide	4.00	4.38		ng/L		110	65 - 145
NMeFOSAA	4.00	4.75		ng/L		119	50 - 140
NEtFOSAA	4.00	4.21		ng/L		105	70 - 145
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	20.0	24.0		ng/L		120	70 - 145
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	20.0	22.1		ng/L		110	70 - 135
HFPO-DA	3.00	3.89		ng/L		130	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	3.95		ng/L		104	65 - 145
Perfluoro-3-methoxypropanoic acid	4.00	4.47		ng/L		112	55 - 140
Perfluoro(4-methoxybutanoic acid)	4.00	4.68		ng/L		117	60 - 150
Perfluoro-3,6-dioxaheptanoic acid	4.00	5.77		ng/L		144	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	3.74	5.49		ng/L		147	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	3.78	5.16		ng/L		137	55 - 160
PFEESA	3.57	4.41		ng/L		124	70 - 140
3:3 FTCA	8.00	7.28		ng/L		91	65 - 130

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 410-613587/4-A
Matrix: Water
Analysis Batch: 613851

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 613587

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
5:3 FTCA			20.0	23.6		ng/L		118	70 - 135		
7:3 FTCA			20.0	19.1		ng/L		96	50 - 145		

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*89.4*		*5 - 130*
13C5 PFPeA	*92.9*		*40 - 130*
13C5 PFHxA	*85.8*		*40 - 130*
13C4 PFHpA	*97.4*		*40 - 130*
13C8 PFOA	*95.6*		*40 - 130*
13C9 PFNA	*97.1*		*40 - 130*
13C6 PFDA	*87.1*		*40 - 130*
13C7 PFUnA	*140*	*5+	*30 - 130*
13C2 PFTeDA	*85.0*		*10 - 130*
13C3 PFBS	*83.3*		*40 - 135*
13C3 PFHxS	*85.0*		*40 - 130*
13C8 PFOS	*88.3*		*40 - 130*
13C8 FOSA	*77.9*		*40 - 130*
d3-NMeFOSAA	*71.4*		*40 - 170*
d5-NEtFOSAA	*70.1*		*25 - 135*
M2-4:2 FTS	*84.9*		*40 - 200*
M2-6:2 FTS	*90.6*		*40 - 200*
M2-8:2 FTS	*86.4*		*40 - 300*
13C3 HFPO-DA	*89.6*		*40 - 130*
d7-N-MeFOSE-M	*61.7*		*10 - 130*
d9-N-EtFOSE-M	*60.1*		*10 - 130*
d5-NEtPFOSA	*42.9*		*10 - 130*
d3-NMePFOSA	*42.6*		*10 - 130*
13C2 PFDoA	*109*		*10 - 130*

LCMS

Prep Batch: 613015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-209941-1	MW-01-021325	Total/NA	Water	1633	
410-209941-2	MW-04-021325	Total/NA	Water	1633	
410-209941-3	MW-20D-021325	Total/NA	Water	1633	
410-209941-4	MW-20D-FD-021325	Total/NA	Water	1633	
410-209941-5	MW-22-021925	Total/NA	Water	1633	
410-209941-6	MW-23-021425	Total/NA	Water	1633	
MB 410-613015/1-A	Method Blank	Total/NA	Water	1633	
LCS 410-613015/2-A	Lab Control Sample	Total/NA	Water	1633	
LLCS 410-613015/3-A	Lab Control Sample	Total/NA	Water	1633	

Analysis Batch: 613042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-209941-1	MW-01-021325	Total/NA	Water	1633	613015
410-209941-2	MW-04-021325	Total/NA	Water	1633	613015
410-209941-3	MW-20D-021325	Total/NA	Water	1633	613015
410-209941-4	MW-20D-FD-021325	Total/NA	Water	1633	613015
410-209941-5	MW-22-021925	Total/NA	Water	1633	613015
410-209941-6	MW-23-021425	Total/NA	Water	1633	613015
MB 410-613015/1-A	Method Blank	Total/NA	Water	1633	613015
LCS 410-613015/2-A	Lab Control Sample	Total/NA	Water	1633	613015
LLCS 410-613015/3-A	Lab Control Sample	Total/NA	Water	1633	613015

Prep Batch: 613587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-209941-7	MW-26-021825	Total/NA	Water	1633	
410-209941-8	MW-11R-021325	Total/NA	Water	1633	
410-209941-9	MW-13-021925	Total/NA	Water	1633	
410-209941-10	MW-30S-021325	Total/NA	Water	1633	
410-209941-11	EB-04-021925	Total/NA	Water	1633	
410-209941-12	FB-01-021925	Total/NA	Water	1633	
410-209941-13	EB-03-021825	Total/NA	Water	1633	
MB 410-613587/1-A	Method Blank	Total/NA	Water	1633	
LCS 410-613587/2-A	Lab Control Sample	Total/NA	Water	1633	
LCSD 410-613587/3-A	Lab Control Sample Dup	Total/NA	Water	1633	
LLCS 410-613587/4-A	Lab Control Sample	Total/NA	Water	1633	

Analysis Batch: 613851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-209941-7	MW-26-021825	Total/NA	Water	1633	613587
410-209941-8	MW-11R-021325	Total/NA	Water	1633	613587
410-209941-10	MW-30S-021325	Total/NA	Water	1633	613587
410-209941-11	EB-04-021925	Total/NA	Water	1633	613587
410-209941-12	FB-01-021925	Total/NA	Water	1633	613587
MB 410-613587/1-A	Method Blank	Total/NA	Water	1633	613587
LCS 410-613587/2-A	Lab Control Sample	Total/NA	Water	1633	613587
LCSD 410-613587/3-A	Lab Control Sample Dup	Total/NA	Water	1633	613587
LLCS 410-613587/4-A	Lab Control Sample	Total/NA	Water	1633	613587

Analysis Batch: 615077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-209941-9	MW-13-021925	Total/NA	Water	1633	613587

LCMS (Continued)

Analysis Batch: 615077 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-209941-13	EB-03-021825	Total/NA	Water	1633	613587

Client Sample ID: MW-01-021325 — Lab Sample ID: 410-209941-1

Date Collected: 02/13/25 09:25 — **Matrix: Water**
Date Received: 02/28/25 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			613015	RC3V	ELLE	03/05/25 07:58
Total/NA	Analysis	1633		1	613042	JU9U	ELLE	03/06/25 06:59

Client Sample ID: MW-04-021325 — Lab Sample ID: 410-209941-2

Date Collected: 02/13/25 10:55 — **Matrix: Water**
Date Received: 02/28/25 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			613015	RC3V	ELLE	03/05/25 07:58
Total/NA	Analysis	1633		1	613042	JU9U	ELLE	03/06/25 07:13

Client Sample ID: MW-20D-021325 — Lab Sample ID: 410-209941-3

Date Collected: 02/13/25 13:29 — **Matrix: Water**
Date Received: 02/28/25 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			613015	RC3V	ELLE	03/05/25 07:58
Total/NA	Analysis	1633		1	613042	JU9U	ELLE	03/06/25 07:27

Client Sample ID: MW-20D-FD-021325 — Lab Sample ID: 410-209941-4

Date Collected: 02/13/25 13:29 — **Matrix: Water**
Date Received: 02/28/25 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			613015	RC3V	ELLE	03/05/25 07:58
Total/NA	Analysis	1633		1	613042	JU9U	ELLE	03/06/25 07:41

Client Sample ID: MW-22-021925 — Lab Sample ID: 410-209941-5

Date Collected: 02/19/25 16:50 — **Matrix: Water**
Date Received: 02/28/25 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			613015	RC3V	ELLE	03/05/25 07:58
Total/NA	Analysis	1633		1	613042	JU9U	ELLE	03/06/25 07:55

Client Sample ID: MW-23-021425 — Lab Sample ID: 410-209941-6

Date Collected: 02/14/25 14:25 — **Matrix: Water**
Date Received: 02/28/25 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			613015	RC3V	ELLE	03/05/25 07:58
Total/NA	Analysis	1633		1	613042	JU9U	ELLE	03/06/25 08:09

Client Sample ID: MW-26-021825
Lab Sample ID: 410-209941-7

Date Collected: 02/18/25 15:00
Matrix: Water
Date Received: 02/28/25 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			613587	W2FB	ELLE	03/06/25 08:30
Total/NA	Analysis	1633		1	613851	RPU6	ELLE	03/07/25 03:24

Client Sample ID: MW-11R-021325
Lab Sample ID: 410-209941-8

Date Collected: 02/13/25 14:43
Matrix: Water
Date Received: 02/28/25 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			613587	W2FB	ELLE	03/06/25 08:30
Total/NA	Analysis	1633		1	613851	RPU6	ELLE	03/07/25 03:38

Client Sample ID: MW-13-021925
Lab Sample ID: 410-209941-9

Date Collected: 02/19/25 10:32
Matrix: Water
Date Received: 02/28/25 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			613587	W2FB	ELLE	03/06/25 08:30
Total/NA	Analysis	1633		1	615077	JU9U	ELLE	03/11/25 00:02

Client Sample ID: MW-30S-021325
Lab Sample ID: 410-209941-10

Date Collected: 02/13/25 16:05
Matrix: Water
Date Received: 02/28/25 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			613587	W2FB	ELLE	03/06/25 08:30
Total/NA	Analysis	1633		1	613851	RPU6	ELLE	03/07/25 04:06

Client Sample ID: EB-04-021925
Lab Sample ID: 410-209941-11

Date Collected: 02/19/25 18:00
Matrix: Water
Date Received: 02/28/25 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			613587	W2FB	ELLE	03/06/25 08:30
Total/NA	Analysis	1633		1	613851	RPU6	ELLE	03/07/25 04:20

Client Sample ID: FB-01-021925
Lab Sample ID: 410-209941-12

Date Collected: 02/19/25 16:00
Matrix: Water
Date Received: 02/28/25 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			613587	W2FB	ELLE	03/06/25 08:30
Total/NA	Analysis	1633		1	613851	RPU6	ELLE	03/07/25 04:34

Client: Chemtech Consulting Group Inc.
Job ID: 410-209941-1
Project/Site: Q1406

Client Sample ID: EB-03-021825
Lab Sample ID: 410-209941-13
Date Collected: 02/18/25 15:32
Matrix: Water
Date Received: 02/28/25 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			613587	W2FB	ELLE	03/06/25 08:30
Total/NA	Analysis	1633		1	615077	JU9U	ELLE	03/11/25 00:15

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Chemtech Consulting Group Inc. Job ID: 410-209941-1
Project/Site: Q1406

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New Jersey	NELAP	PA011	06-30-25

PFAS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Instrument ID: 29347 Analysis Batch Number: 610933

Lab Sample ID: IC 410-610933/1 Client Sample ID:

Date Analyzed: 02/27/25 15:11 Lab File ID: 25FEB27ICAL-01.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluoro-3,6-dioxaheptanoic acid	5.26	Peak assignment corrected	LDU5	02/27/25 17:30
Perfluorohexanoic acid	5.31	Split Peak	LDU5	02/27/25 17:31
Perfluorooctanoic acid	6.29	Split Peak	LDU5	02/27/25 17:31
Perfluorohexanesulfonic acid	6.55	Split Peak	LDU5	02/27/25 17:31
Perfluorononanoic acid	6.75	Split Peak	LDU5	02/27/25 17:31
NEtFOSAA	7.30	Isomers	LDU5	02/27/25 17:32
Perfluorooctanesulfonic acid	7.45	Split Peak	LDU5	02/27/25 17:32
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	9.02	Split Peak	LDU5	02/27/25 17:32

Lab Sample ID: IC 410-610933/2 Client Sample ID:

Date Analyzed: 02/27/25 15:25 Lab File ID: 25FEB27ICAL-02.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluorooctanoic acid	6.29	Split Peak	LDU5	02/27/25 17:38
Perfluorooctanesulfonamide	8.07	Isomers	LDU5	02/27/25 17:38
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	9.24	Split Peak	LDU5	02/27/25 17:39

Lab Sample ID: IC 410-610933/3 Client Sample ID:

Date Analyzed: 02/27/25 15:39 Lab File ID: 25FEB27ICAL-03.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluorononanoic acid	6.75	Split Peak	LDU5	02/27/25 17:39
Perfluorooctanesulfonamide	8.07	Isomers	LDU5	02/27/25 17:40

PFAS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Instrument ID: 29347 Analysis Batch Number: 610933

Lab Sample ID: IC 410-610933/4 Client Sample ID:

Date Analyzed: 02/27/25 15:53 Lab File ID: 25FEB27ICAL-04.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluorononanoic acid	6.75	Split Peak	LDU5	02/27/25 17:41

Lab Sample ID: IC 410-610933/6 Client Sample ID:

Date Analyzed: 02/27/25 16:21 Lab File ID: 25FEB27ICAL-06.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bis(trifluoromethane)sulfonamide (TFSI)	6.22	Incomplete Integration	LDU5	02/27/25 17:42

Lab Sample ID: IC 410-610933/7 Client Sample ID:

Date Analyzed: 02/27/25 16:35 Lab File ID: 25FEB27ICAL-07.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bis(trifluoromethane)sulfonamide (TFSI)	6.21	Incomplete Integration	LDU5	02/27/25 17:43

Lab Sample ID: ICV 410-610933/10 Client Sample ID:

Date Analyzed: 02/27/25 17:17 Lab File ID: 25FEB27ICAL-10.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
NEtFOSAA	7.31	Isomers	LDU5	02/27/25 18:56
Perfluorooctanesulfonamide	8.16	Isomers	LDU5	02/27/25 18:57

PFAS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Instrument ID: 29347 Analysis Batch Number: 613042

Lab Sample ID: CCVO 410-613042/1 Client Sample ID:

Date Analyzed: 03/05/25 10:53 Lab File ID: 25MAR05-01.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluoro-3,6-dioxaheptanoic acid	5.22	Missed Peak	UHW3	03/05/25 13:01
NEtFOSAA	7.26	Isomers	UHW3	03/05/25 13:09
Perfluorooctanesulfonamide	8.07	Isomers	UHW3	03/05/25 13:10
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	9.02	Split Peak	UHW3	03/05/25 13:02

Lab Sample ID: CCB 410-613042/166 Client Sample ID:

Date Analyzed: 03/06/25 06:02 Lab File ID: 25MAR05W-77.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluorobutanoic acid		Invalid Compound ID	UHW3	03/06/25 12:18
Perfluorohexanoic acid		Split Peak	UHW3	03/06/25 12:18

Lab Sample ID: LCS 410-613015/2-A Client Sample ID:

Date Analyzed: 03/06/25 06:30 Lab File ID: 25MAR05W-79.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluorooctanesulfonamide	8.06	Isomers	JU9U	03/06/25 15:49

Lab Sample ID: LLCS 410-613015/3-A Client Sample ID:

Date Analyzed: 03/06/25 06:45 Lab File ID: 25MAR05W-80.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluorooctanesulfonamide	8.06	Isomers	JU9U	03/06/25 15:50

PFAS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Instrument ID: 29347 Analysis Batch Number: 613042

Lab Sample ID: 410-209941-1 Client Sample ID: MW-01-021325

Date Analyzed: 03/06/25 06:59 Lab File ID: 25MAR05W-81.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluorooctanoic acid	6.24	Baseline	JU9U	03/06/25 15:53

Lab Sample ID: 410-209941-4 Client Sample ID: MW-20D-FD-021325

Date Analyzed: 03/06/25 07:41 Lab File ID: 25MAR05W-84.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluorodecanoic acid	7.11	Baseline	JU9U	03/06/25 17:45

Lab Sample ID: 410-209941-6 Client Sample ID: MW-23-021425

Date Analyzed: 03/06/25 08:09 Lab File ID: 25MAR05W-86.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluorooctanesulfonic acid	7.38	Isomers	JU9U	03/06/25 17:46

Lab Sample ID: CCV 410-613042/167 Client Sample ID:

Date Analyzed: 03/06/25 09:48 Lab File ID: 25MAR05W-93.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluorobutanesulfonamide (FBSA)	6.16	Incomplete Integration	JU9U	03/06/25 15:46
Bis(trifluoromethane)sulfonamide (TFSI)	6.17	Incomplete Integration	JU9U	03/06/25 15:46
Perfluorooctanesulfonamide	8.07	Isomers	JU9U	03/06/25 15:46

PFAS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Instrument ID: 30570 Analysis Batch Number: 613974

Lab Sample ID: IC 410-613974/1 Client Sample ID:

Date Analyzed: 03/06/25 19:13 Lab File ID: 25MAR06CAL-01.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
NEtFOSAA	7.02	Assign Peak	RPU6	03/06/25 19:51
Perfluorooctanesulfonamide	7.93	Assign Peak	RPU6	03/06/25 19:52

Lab Sample ID: IC 410-613974/2 Client Sample ID:

Date Analyzed: 03/06/25 19:27 Lab File ID: 25MAR06CAL-02.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluorooctanesulfonamide	7.92	Assign Peak	RPU6	03/06/25 19:51

Lab Sample ID: IC 410-613974/3 Client Sample ID:

Date Analyzed: 03/06/25 19:40 Lab File ID: 25MAR06CAL-03.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluorooctanesulfonamide	7.93	Assign Peak	RPU6	03/06/25 20:06

PFAS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Instrument ID: 30570 Analysis Batch Number: 615077

Lab Sample ID: CCVO 410-615077/1 Client Sample ID:

Date Analyzed: 03/10/25 17:15 Lab File ID: 25MAR10-01.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluoropropionic acid (PFPrA)	2.04	Baseline	RPU6	03/10/25 17:33
NMeFOSAA	6.89	Baseline	RPU6	03/10/25 17:33
Perfluorooctanesulfonamide	7.95	Baseline	RPU6	03/10/25 17:33
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	8.81	Split Peak	LDU5	03/10/25 20:02

PFAS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Instrument ID: 30729 Analysis Batch Number: 612155

Lab Sample ID: IC 410-612155/1 Client Sample ID:

Date Analyzed: 03/03/25 18:24 Lab File ID: 25MAR03-01.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluoropropionic acid (PFPrA)	1.88	Baseline	LDU5	03/03/25 21:20
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	6.36	Split Peak	LDU5	03/03/25 21:20
Perfluorooctanoic acid	6.59	Split Peak	LDU5	03/03/25 21:20
NMeFOSAA	7.37	Split Peak	LDU5	03/03/25 21:21
NEtFOSAA	7.58	Missed Peak	LDU5	03/03/25 21:21
Perfluorooctanesulfonic acid	7.76	Split Peak	LDU5	03/03/25 21:22
Perfluorooctanesulfonamide	8.37	Split Peak	LDU5	03/03/25 21:22
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	9.15	Split Peak	LDU5	03/03/25 21:23
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	9.35	Split Peak	LDU5	03/03/25 21:23

Lab Sample ID: IC 410-612155/2 Client Sample ID:

Date Analyzed: 03/03/25 18:38 Lab File ID: 25MAR03-02.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bis(trifluoromethane)sulfonamide (TFSI)	6.55	Incomplete Integration	BWX7	03/06/25 13:02
Perfluorooctanesulfonamide	8.38	Split Peak	LDU5	03/04/25 17:51

PFAS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Instrument ID: 30729 Analysis Batch Number: 612155

Lab Sample ID: IC 410-612155/3 Client Sample ID:

Date Analyzed: 03/03/25 18:52 Lab File ID: 25MAR03-03.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluoropropionic acid (PFPrA)	1.89	Baseline	LDU5	03/04/25 17:52
Bis(trifluoromethane)sulfonamide (TFSI)	6.54	Incomplete Integration	LDU5	03/04/25 17:52
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	7.24	Incomplete Integration	LDU5	03/04/25 17:53
Perfluorooctanesulfonamide	8.39	Split Peak	BWX7	03/06/25 13:03

Lab Sample ID: IC 410-612155/4 Client Sample ID:

Date Analyzed: 03/03/25 19:07 Lab File ID: 25MAR03-04.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluoropropionic acid (PFPrA)	1.87	Baseline	LDU5	03/04/25 17:54
Bis(trifluoromethane)sulfonamide (TFSI)	6.54	Incomplete Integration	LDU5	03/04/25 17:54
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	7.24	Incomplete Integration	LDU5	03/04/25 17:54

Lab Sample ID: ICISAV 410-612155/5 Client Sample ID:

Date Analyzed: 03/03/25 19:21 Lab File ID: 25MAR03-05.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bis(trifluoromethane)sulfonamide (TFSI)	6.53	Incomplete Integration	LDU5	03/03/25 21:10
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	7.23	Incomplete Integration	LDU5	03/03/25 21:10

PFAS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Instrument ID: 30729 Analysis Batch Number: 612155

Lab Sample ID: IC 410-612155/6 Client Sample ID:

Date Analyzed: 03/03/25 19:35 Lab File ID: 25MAR03-06.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bis(trifluoromethane)sulfonamide (TFSI)	6.53	Incomplete Integration	LDU5	03/04/25 17:55

Lab Sample ID: IC 410-612155/7 Client Sample ID:

Date Analyzed: 03/03/25 19:49 Lab File ID: 25MAR03-07.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bis(trifluoromethane)sulfonamide (TFSI)	6.53	Incomplete Integration	LDU5	03/04/25 17:56
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	7.25	Incomplete Integration	LDU5	03/04/25 17:56

Lab Sample ID: IC 410-612155/8 Client Sample ID:

Date Analyzed: 03/03/25 20:03 Lab File ID: 25MAR03-08.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluorooctanoic acid	6.58	Isomers	LDU5	03/04/25 17:57

Lab Sample ID: ICV 410-612155/10 Client Sample ID:

Date Analyzed: 03/03/25 20:31 Lab File ID: 25MAR03-10.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluoropropionic acid (PFPrA)	1.87	Baseline	LDU5	03/04/25 18:11

PFAS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Instrument ID: 30729 Analysis Batch Number: 613851

Lab Sample ID: CCVO 410-613851/1 Client Sample ID:

Date Analyzed: 03/06/25 17:31 Lab File ID: 25MAR6-01.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluoropropionic acid (PFPrA)	1.87	Baseline	LDU5	03/06/25 17:59
Perfluorohexanoic acid	5.69	Assign Peak	LDU5	03/06/25 17:54
Bis(trifluoromethane)sulfonamide (TFSI)	6.53	Incomplete Integration	LDU5	03/06/25 17:54
NMeFOSAA	7.37	Assign Peak	LDU5	03/06/25 17:54
NEtFOSAA	7.55	Assign Peak	LDU5	03/06/25 17:54
Perfluorooctanesulfonamide	8.40	Assign Peak	LDU5	03/06/25 17:54
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	9.17	Split Peak	LDU5	03/06/25 18:01
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	9.36	Split Peak	LDU5	03/06/25 18:01

Lab Sample ID: CCV 410-613851/46 Client Sample ID:

Date Analyzed: 03/07/25 01:17 Lab File ID: 25MAR06-33.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluoropropionic acid (PFPrA)	1.85	Baseline	LDU5	03/10/25 14:43
Bis(trifluoromethane)sulfonamide (TFSI)	6.48	Incomplete Integration	LDU5	03/10/25 14:43
Perfluorooctanoic acid	6.54	Isomers	LDU5	03/10/25 14:43

Lab Sample ID: LCSD 410-613587/3-A Client Sample ID:

Date Analyzed: 03/07/25 02:56 Lab File ID: 25MAR06-40.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluorooctanoic acid	6.53	Isomers	RPU6	03/10/25 15:07

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PFAS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Instrument ID: 30729 Analysis Batch Number: 613851

Lab Sample ID: LLCS 410-613587/4-A Client Sample ID:

Date Analyzed: 03/07/25 03:10 Lab File ID: 25MAR06-41.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
NEtFOSAA	7.47	Assign Peak	RPU6	03/10/25 15:08
Perfluorooctanesulfonamide	8.36	Assign Peak	RPU6	03/10/25 15:08

Lab Sample ID: 410-209941-7 Client Sample ID: MW-26-021825

Date Analyzed: 03/07/25 03:24 Lab File ID: 25MAR06-42.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluoroheptanoic acid	6.08	Split Peak	RPU6	03/10/25 15:09

Lab Sample ID: 410-209941-8 Client Sample ID: MW-11R-021325

Date Analyzed: 03/07/25 03:38 Lab File ID: 25MAR06-43.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluorobutanoic acid	4.42	Baseline	RPU6	03/10/25 15:10
Perfluoroheptanoic acid	6.08	Baseline	RPU6	03/10/25 15:10

Lab Sample ID: 410-209941-10 Client Sample ID: MW-30S-021325

Date Analyzed: 03/07/25 04:06 Lab File ID: 25MAR06-45.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluorohexanoic acid	5.64	Baseline	RPU6	03/10/25 15:11
Perfluoroheptanoic acid	6.10	Split Peak	RPU6	03/10/25 15:12

PFAS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Instrument ID: 30729 Analysis Batch Number: 613851

Lab Sample ID: CCV 410-613851/48 Client Sample ID:

Date Analyzed: 03/07/25 05:02 Lab File ID: 25MAR06-49.d GC Column: Gemini C18 50 ID: 3(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bis(trifluoromethane)sulfonamide (TFSI)	6.47	Incomplete Integration	RPU6	03/10/25 14:39
Perfluorooctanoic acid	6.54	Isomers	RPU6	03/10/25 14:39

1633_Final

Per- and Polyfluoroalkyl Substances by LC/MS/MS

FORM II
PFAS SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Gemini C18 5 ID: 3 (mm)

Client Sample ID	Lab Sample ID	PFBA #	PFPeA #	M242FTS #	13C5PHA #	C3PFBS #	HFPODA #	C4PFHA #	M262FTS #
MW-01-021325	410-209941-1	74.0	76.0	67.6	73.8	74.2	71.1	79.5	77.1
MW-04-021325	410-209941-2	71.5	72.3	60.3	70.2	67.9	71.2	77.7	66.1
MW-20D-021325	410-209941-3	81.3	84.3	72.7	83.0	71.8	81.1	86.0	82.5
MW-20D-FD-021325	410-209941-4	84.7	89.5	74.3	83.0	77.5	85.4	93.7	92.1
MW-22-021925	410-209941-5	87.6	95.0	77.1	88.5	79.3	90.6	97.8	93.8
MW-23-021425	410-209941-6	82.5	88.6	76.3	83.3	74.0	82.7	90.4	80.6
MW-26-021825	410-209941-7	90.0	93.5	88.6	85.7	90.0	98.5	94.2	91.2
MW-11R-021325	410-209941-8	85.8	89.6	82.4	90.4	87.7	93.9	86.6	82.3
MW-13-021925	410-209941-9	91.4	105	112	95.8	92.6	85.7	96.6	104
MW-30S-021325	410-209941-10	91.3	92.4	84.2	99.1	88.8	99.3	93.4	89.7
EB-04-021925	410-209941-11	91.3	86.8	81.8	86.8	81.5	94.2	90.1	81.4
FB-01-021925	410-209941-12	91.9	92.4	90.6	98.5	84.9	101	99.1	96.2
EB-03-021825	410-209941-13	89.3	102	89.2	98.1	86.7	97.6	102	91.8
	MB 410-613015/1-A	81.2	87.6	70.0	82.0	76.0	85.5	85.5	74.1
	MB 410-613587/1-A	83.5	77.6	82.9	82.5	87.2	87.5	79.3	88.3
	LCS 410-613015/2-A	83.1	85.3	74.9	82.2	77.8	88.7	90.3	80.1
	LCS 410-613587/2-A	89.6	88.7	89.2	84.3	88.3	86.8	91.4	93.3
	LCSD 410-613587/3-A	87.1	91.5	82.4	93.2	87.0	90.6	92.0	84.4
	LLCS 410-613015/3-A	81.8	85.3	74.8	82.2	79.7	84.9	90.2	89.2
	LLCS 410-613587/4-A	89.4	92.9	84.9	85.8	83.3	89.6	97.4	90.6

	QC LIMITS
PFBA = 13C4 PFBA	5-130
PFPeA = 13C5 PFPeA	40-130
M242FTS = M2-4:2 FTS	40-200
13C5PHA = 13C5 PFHxA	40-130
C3PFBS = 13C3 PFBS	40-135
HFPODA = 13C3 HFPO-DA	40-130
C4PFHA = 13C4 PFHpA	40-130
M262FTS = M2-6:2 FTS	40-200

Column to be used to flag recovery values

FORM II 1633

FORM II
PFAS SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Gemini C18 5 ID: 3 (mm)

Client Sample ID	Lab Sample ID	C8PFOA #	C3PFHS #	C9PFNA #	M282FTS #	d3NMFOS #	C6PFDA #	d5NEFOS #	C8PFOS #
MW-01-021325	410-209941-1	72.8	75.8	76.2	62.7	65.0	67.5	65.7	78.4
MW-04-021325	410-209941-2	68.6	68.8	70.4	56.5	61.3	62.7	68.8	69.5
MW-20D-021325	410-209941-3	81.5	83.6	83.0	68.8	76.1	80.3	76.0	85.4
MW-20D-FD-021325	410-209941-4	85.3	84.9	84.8	74.3	83.2	78.8	82.4	89.5
MW-22-021925	410-209941-5	90.2	91.9	89.4	82.3	88.8	89.0	92.0	94.2
MW-23-021425	410-209941-6	84.2	84.4	82.5	68.2	74.2	70.5	77.5	82.8
MW-26-021825	410-209941-7	91.2	92.4	109	91.7	70.1	97.9	76.4	85.8
MW-11R-021325	410-209941-8	85.6	79.0	108	84.7	74.6	92.5	79.2	90.9
MW-13-021925	410-209941-9	94.3	91.7	103	101	93.4	104	124	93.4
MW-30S-021325	410-209941-10	94.0	97.6	101	83.3	76.7	97.2	78.6	88.1
EB-04-021925	410-209941-11	89.8	78.8	104	82.5	87.5	97.4	78.0	96.6
FB-01-021925	410-209941-12	93.5	90.5	113	86.0	77.0	94.0	78.0	93.1
EB-03-021825	410-209941-13	86.4	89.3	106	88.3	81.2	100	101	85.9
	MB 410-613015/1-A	82.3	81.8	87.8	72.2	81.3	80.2	83.1	89.4
	MB 410-613587/1-A	92.0	84.0	105	81.4	80.8	80.5	76.9	89.4
	LCS 410-613015/2-A	81.7	86.5	87.2	71.5	79.5	82.5	84.0	91.1
	LCS 410-613587/2-A	92.7	97.1	115	95.6	79.1	97.9	81.1	91.6
	LCSD 410-613587/3-A	92.8	81.8	113	88.2	81.5	90.6	75.6	82.3
	LLCS 410-613015/3-A	83.7	87.3	83.4	78.4	72.5	80.6	79.1	91.0
	LLCS 410-613587/4-A	95.6	85.0	97.1	86.4	71.4	87.1	70.1	88.3

	QC LIMITS
C8PFOA = 13C8 PFOA	40-130
C3PFHS = 13C3 PFHxS	40-130
C9PFNA = 13C9 PFNA	40-130
M282FTS = M2-8:2 FTS	40-300
d3NMFOS = d3-NMeFOSAA	40-170
C6PFDA = 13C6 PFDA	40-130
d5NEFOS = d5-NEtFOSAA	25-135
C8PFOS = 13C8 PFOS	40-130

Column to be used to flag recovery values

FORM II 1633

FORM II
PFAS SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Gemini C18 5 ID: 3 (mm)

Client Sample ID	Lab Sample ID	13C7PUA #	PFDoA #	PFOSA #	PFTDA #	NMFM #	d3NMFSA #	NEFM #	d5NPFSA #
MW-01-021325	410-209941-1	62.4	54.6	52.9	67.6	51.8	45.3	53.2	46.7
MW-04-021325	410-209941-2	64.3	60.2	50.9	69.6	54.7	48.7	55.8	50.5
MW-20D-021325	410-209941-3	83.8	74.2	66.6	87.0	61.7	51.3	61.4	51.4
MW-20D-FD-021325	410-209941-4	82.9	71.7	70.5	84.9	67.6	52.0	67.0	52.3
MW-22-021925	410-209941-5	94.4	84.3	77.0	93.5	71.9	59.9	70.0	60.3
MW-23-021425	410-209941-6	72.6	64.6	68.4	73.3	59.4	57.8	62.9	59.6
MW-26-021825	410-209941-7	138 *5+ cn	115 cn	87.5	88.7	63.2	43.4	62.2	43.8
MW-11R-021325	410-209941-8	140 *5+ cn	108 cn	82.9	83.9	61.3	39.4	59.4	38.0
MW-13-021925	410-209941-9	128 cn	106 cn	87.6	100	79.2	75.8	77.9	71.7
MW-30S-021325	410-209941-10	146 *5+ cn	126 cn	85.8	89.4	68.5	55.6	65.1	54.0
EB-04-021925	410-209941-11	145 *5+ cn	127 cn	88.5	100	72.3	43.4	66.7	42.0
FB-01-021925	410-209941-12	138 *5+ cn	129 cn	87.4	84.9	66.3	43.2	65.5	43.3
EB-03-021825	410-209941-13	125 cn	111 cn	79.6	99.0	68.4	48.0	64.0	45.0
	MB 410-613015/1-A	85.5	75.6	65.5	81.6	66.4	48.6	67.5	48.9
	MB 410-613587/1-A	126	107	82.7	78.5	65.5	42.5	64.7	42.1
	LCS 410-613015/2-A	88.0	74.0	69.2	81.2	70.5	49.4	67.0	50.8
	LCS 410-613587/2-A	146 *5+	126	82.9	97.8	66.9	51.2	64.3	52.4
	LCSD 410-613587/3-A	146 *5+	128	88.7	91.4	69.9	55.7	68.1	55.4
	LLCS 410-613015/3-A	82.2	72.4	64.6	78.7	61.1	44.1	59.4	44.3
	LLCS 410-613587/4-A	140 *5+	109	77.9	85.0	61.7	42.6	60.1	42.9

	QC LIMITS
13C7PUA = 13C7 PFUnA	30-130
PFDoA = 13C2 PFDoA	10-130
PFOSA = 13C8 FOSA	40-130
PFTDA = 13C2 PFTeDA	10-130
NMFM = d7-N-MeFOSE-M	10-130
d3NMFSA = d3-NMePFOSA	10-130
NEFM = d9-N-EtFOSE-M	10-130
d5NPFSA = d5-NEtPFOSA	10-130

Column to be used to flag recovery values

FORM II 1633

FORM III
PFAS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 25MAR05W-79.d

Lab ID: LCS 410-613015/2-A Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC	QC LIMITS REC	#
Perfluorobutanoic acid	80.0	73.0	91	70-140	
Perfluoropentanoic acid	40.0	39.4	98	65-135	
Perfluorohexanoic acid	40.0	40.1	100	70-145	
Perfluoroheptanoic acid	40.0	42.2	106	70-150	
Perfluorooctanoic acid	40.0	36.8	92	70-150	
Perfluorononanoic acid	40.0	37.3	93	70-150	
Perfluorodecanoic acid	40.0	40.4	101	70-140	
Perfluoroundecanoic acid	40.0	39.0	98	70-145	
Perfluorododecanoic acid	40.0	40.9	102	70-140	
Perfluorotridecanoic acid	40.0	38.8	97	65-140	
Perfluorotetradecanoic acid	40.0	41.5	104	60-140	
Perfluorobutanesulfonic acid	35.5	27.2	77	60-145	
Perfluoropentanesulfonic acid	37.6	34.0	90	65-140	
Perfluorohexanesulfonic acid	36.5	32.0	88	65-145	
Perfluoroheptanesulfonic acid	38.2	34.1	89	70-150	
Perfluorooctanesulfonic acid	37.2	35.0	94	55-150	
Perfluorononanesulfonic acid	38.5	29.2	76	65-145	
Perfluorodecanesulfonic acid	38.6	29.7	77	60-145	
Perfluorododecanesulfonic acid (PFDoS)	38.8	29.4	76	50-145	
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	74.7	69.5	93	70-145	
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	75.8	74.8	99	65-155	
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	76.6	82.9	108	60-150	
Perfluorooctanesulfonamide	40.0	38.7	97	70-145	
NMeFOSA	40.0	39.9	100	60-150	
N-ethylperfluoro-1-octanesulfonamide	40.0	38.3	96	65-145	
NMeFOSAA	40.0	39.0	97	50-140	
NEtFOSAA	40.0	39.5	99	70-145	
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	200	183	92	70-145	
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	200	191	96	70-135	
HFPO-DA	30.0	25.4	85	70-140	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	30.4	80	65-145	

Column to be used to flag recovery and RPD values

FORM III 1633

FORM III
PFAS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 25MAR05W-79.d

Lab ID: LCS 410-613015/2-A Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC	QC LIMITS REC	#
Perfluoro-3-methoxypropanoic acid	40.0	42.3	106	55-140	
Perfluoro(4-methoxybutanoic acid)	40.0	39.8	100	60-150	
Perfluoro-3,6-dioxaheptanoic acid	40.0	40.2	101	50-150	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	37.4	37.2	100	70-155	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	37.8	31.9	85	55-160	
PFEESA	35.7	33.0	92	70-140	
3:3 FTCA	80.0	69.9	87	65-130	
5:3 FTCA	200	159	79	70-135	
7:3 FTCA	200	140	70	50-145	
13C4 PFBA	80.0	66.5	83.1	5-130	
13C5 PFPeA	80.0	68.2	85.3	40-130	
13C5 PFHxA	80.0	65.8	82.2	40-130	
13C4 PFHpA	80.0	72.3	90.3	40-130	
13C8 PFOA	80.0	65.3	81.7	40-130	
13C9 PFNA	80.0	69.8	87.2	40-130	
13C6 PFDA	80.0	66.0	82.5	40-130	
13C7 PFUnA	80.0	70.4	88.0	30-130	
13C2 PFTeDA	80.0	65.0	81.2	10-130	
13C3 PFBS	74.6	58.0	77.8	40-135	
13C3 PFHxS	75.8	65.6	86.5	40-130	
13C8 PFOS	76.5	69.7	91.1	40-130	
13C8 FOSA	80.0	55.4	69.2	40-130	
d3-NMeFOSAA	200	159	79.5	40-170	
d5-NEtFOSAA	200	168	84.0	25-135	
M2-4:2 FTS	188	140	74.9	40-200	
M2-6:2 FTS	190	152	80.1	40-200	
M2-8:2 FTS	192	137	71.5	40-300	
13C3 HFPO-DA	80.0	70.9	88.7	40-130	
d7-N-MeFOSE-M	200	141	70.5	10-130	
d9-N-EtFOSE-M	200	134	67.0	10-130	
d5-NEtPFOSA	80.0	40.7	50.8	10-130	
d3-NMePFOSA	80.0	39.5	49.4	10-130	
13C2 PFDoA	80.0	59.2	74.0	10-130	

Column to be used to flag recovery and RPD values

FORM III 1633

FORM III
PFAS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 25MAR06-39.d

Lab ID: LCS 410-613587/2-A Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC	QC LIMITS REC	#
Perfluorobutanoic acid	80.0	73.7	92	70-140	
Perfluoropentanoic acid	40.0	35.6	89	65-135	
Perfluorohexanoic acid	40.0	37.7	94	70-145	
Perfluoroheptanoic acid	40.0	40.0	100	70-150	
Perfluorooctanoic acid	40.0	35.5	89	70-150	
Perfluorononanoic acid	40.0	37.4	94	70-150	
Perfluorodecanoic acid	40.0	43.8	110	70-140	
Perfluoroundecanoic acid	40.0	35.7	89	70-145	
Perfluorododecanoic acid	40.0	44.7	112	70-140	
Perfluorotridecanoic acid	40.0	37.9	95	65-140	
Perfluorotetradecanoic acid	40.0	38.1	95	60-140	
Perfluorobutanesulfonic acid	35.5	34.3	97	60-145	
Perfluoropentanesulfonic acid	37.6	35.8	95	65-140	
Perfluorohexanesulfonic acid	36.5	31.0	85	65-145	
Perfluoroheptanesulfonic acid	38.2	29.6	77	70-150	
Perfluorooctanesulfonic acid	37.2	32.0	86	55-150	
Perfluorononanesulfonic acid	38.5	31.0	81	65-145	
Perfluorodecanesulfonic acid	38.6	34.1	88	60-145	
Perfluorododecanesulfonic acid (PFDoS)	38.8	26.5	68	50-145	
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	74.7	65.1	87	70-145	
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	75.8	72.1	95	65-155	
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	76.6	70.2	92	60-150	
Perfluorooctanesulfonamide	40.0	39.3	98	70-145	
NMeFOSA	40.0	39.7	99	60-150	
N-ethylperfluoro-1-octanesulfonamide	40.0	35.7	89	65-145	
NMeFOSAA	40.0	35.5	89	50-140	
NEtFOSAA	40.0	38.1	95	70-145	
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	200	187	93	70-145	
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	200	181	90	70-135	
HFPO-DA	30.0	28.3	94	70-140	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	32.1	85	65-145	

Column to be used to flag recovery and RPD values

FORM III 1633

FORM III
PFAS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 25MAR06-39.d

Lab ID: LCS 410-613587/2-A Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC	QC LIMITS REC	#
Perfluoro-3-methoxypropanoic acid	40.0	36.8	92	55-140	
Perfluoro(4-methoxybutanoic acid)	40.0	35.9	90	60-150	
Perfluoro-3,6-dioxaheptanoic acid	40.0	39.0	97	50-150	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	37.4	47.6	127	70-155	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	37.8	37.0	98	55-160	
PFEESA	35.7	30.9	87	70-140	
3:3 FTCA	80.0	67.4	84	65-130	
5:3 FTCA	200	169	85	70-135	
7:3 FTCA	200	161	80	50-145	
13C4 PFBA	80.0	71.7	89.6	5-130	
13C5 PFPeA	80.0	71.0	88.7	40-130	
13C5 PFHxA	80.0	67.4	84.3	40-130	
13C4 PFHpA	80.0	73.1	91.4	40-130	
13C8 PFOA	80.0	74.2	92.7	40-130	
13C9 PFNA	80.0	92.0	115	40-130	
13C6 PFDA	80.0	78.3	97.9	40-130	
13C7 PFUnA	80.0	117	146	30-130	*5+
13C2 PFTeDA	80.0	78.2	97.8	10-130	
13C3 PFBS	74.6	65.8	88.3	40-135	
13C3 PFHxS	75.8	73.6	97.1	40-130	
13C8 PFOS	76.6	70.2	91.6	40-130	
13C8 FOSA	80.0	66.3	82.9	40-130	
d3-NMeFOSAA	200	158	79.1	40-170	
d5-NEtFOSAA	200	162	81.1	25-135	
M2-4:2 FTS	188	167	89.2	40-200	
M2-6:2 FTS	190	178	93.3	40-200	
M2-8:2 FTS	192	184	95.6	40-300	
13C3 HFPO-DA	80.0	69.5	86.8	40-130	
d7-N-MeFOSE-M	200	134	66.9	10-130	
d9-N-EtFOSE-M	200	129	64.3	10-130	
d5-NEtPFOSA	80.0	41.9	52.4	10-130	
d3-NMePFOSA	80.0	40.9	51.2	10-130	
13C2 PFDoA	80.0	101	126	10-130	

Column to be used to flag recovery and RPD values

FORM III 1633

FORM III
PFAS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 25MAR06-40.d

Lab ID: LCSD 410-613587/3-A Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LCSD CONCENTRATION (ng/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Perfluorobutanoic acid	80.0	74.9	94	2	30	70-140	
Perfluoropentanoic acid	40.0	35.3	88	1	30	65-135	
Perfluorohexanoic acid	40.0	36.6	92	3	30	70-145	
Perfluoroheptanoic acid	40.0	42.0	105	5	30	70-150	
Perfluorooctanoic acid	40.0	36.4	91	3	30	70-150	
Perfluorononanoic acid	40.0	38.0	95	1	30	70-150	
Perfluorodecanoic acid	40.0	41.5	104	5	30	70-140	
Perfluoroundecanoic acid	40.0	31.0	77	14	30	70-145	
Perfluorododecanoic acid	40.0	37.3	93	18	30	70-140	
Perfluorotridecanoic acid	40.0	39.7	99	5	30	65-140	
Perfluorotetradecanoic acid	40.0	36.7	92	4	30	60-140	
Perfluorobutanesulfonic acid	35.5	30.8	87	11	30	60-145	
Perfluoropentanesulfonic acid	37.6	35.5	94	1	30	65-140	
Perfluorohexanesulfonic acid	36.5	30.9	85	0	30	65-145	
Perfluoroheptanesulfonic acid	38.2	31.9	84	8	30	70-150	
Perfluorooctanesulfonic acid	37.2	34.2	92	7	30	55-150	
Perfluorononanesulfonic acid	38.5	37.5	97	19	30	65-145	
Perfluorodecanesulfonic acid	38.6	35.0	91	3	30	60-145	
Perfluorododecanesulfonic acid (PFDoS)	38.8	30.1	78	13	30	50-145	
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	74.7	60.6	81	7	30	70-145	
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	75.8	62.5	82	14	30	65-155	
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	76.6	62.5	82	12	30	60-150	
Perfluorooctanesulfonamide	40.0	37.5	94	5	30	70-145	
NMeFOSA	40.0	38.1	95	4	30	60-150	
N-ethylperfluoro-1-octanesulfonamide	40.0	36.4	91	2	30	65-145	
NMeFOSAA	40.0	37.9	95	7	30	50-140	
NEtFOSAA	40.0	40.7	102	7	30	70-145	
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	200	188	94	1	30	70-145	
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	200	181	91	0	30	70-135	
HFPO-DA	30.0	29.3	98	4	30	70-140	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	30.9	82	4	30	65-145	

Column to be used to flag recovery and RPD values

FORM III 1633

FORM III
PFAS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 25MAR06-40.d

Lab ID: LCSD 410-613587/3-A Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LCSD CONCENTRATION (ng/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Perfluoro-3-methoxypropanoic acid	40.0	35.8	89	3	30	55-140	
Perfluoro(4-methoxybutanoic acid)	40.0	35.6	89	1	30	60-150	
Perfluoro-3,6-dioxaheptanoic acid	40.0	36.4	91	7	30	50-150	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	37.4	45.9	123	4	30	70-155	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	37.8	36.5	97	1	30	55-160	
PFEESA	35.7	31.9	90	3	30	70-140	
3:3 FTCA	80.0	70.1	88	4	30	65-130	
5:3 FTCA	200	160	80	6	30	70-135	
7:3 FTCA	200	149	75	8	30	50-145	
13C4 PFBA	80.0	69.7	87.1			5-130	
13C5 PFPeA	80.0	73.2	91.5			40-130	
13C5 PFHxA	80.0	74.5	93.2			40-130	
13C4 PFHpA	80.0	73.6	92.0			40-130	
13C8 PFOA	80.0	74.3	92.8			40-130	
13C9 PFNA	80.0	90.2	113			40-130	
13C6 PFDA	80.0	72.5	90.6			40-130	
13C7 PFUnA	80.0	116	146			30-130	*5+
13C2 PFTeDA	80.0	73.1	91.4			10-130	
13C3 PFBS	74.6	64.8	87.0			40-135	
13C3 PFHxS	75.8	62.0	81.8			40-130	
13C8 PFOS	76.6	63.1	82.3			40-130	
13C8 FOSA	80.0	71.0	88.7			40-130	
d3-NMeFOSAA	200	163	81.5			40-170	
d5-NEtFOSAA	200	151	75.6			25-135	
M2-4:2 FTS	188	155	82.4			40-200	
M2-6:2 FTS	190	161	84.4			40-200	
M2-8:2 FTS	192	169	88.2			40-300	
13C3 HFPO-DA	80.0	72.5	90.6			40-130	
d7-N-MeFOSE-M	200	140	69.9			10-130	
d9-N-EtFOSE-M	200	136	68.1			10-130	
d5-NEtPFOSA	80.0	44.3	55.4			10-130	
d3-NMePFOSA	80.0	44.5	55.7			10-130	
13C2 PFDoA	80.0	103	128			10-130	

Column to be used to flag recovery and RPD values

FORM III 1633

FORM III
PFAS LOW LEVEL CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 25MAR05W-80.d

Lab ID: LLCS 410-613015/3-A Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LLCS CONCENTRATION (ng/L)	LLCS % REC	QC LIMITS REC	#
Perfluorobutanoic acid	8.00	8.09	101	70-140	
Perfluoropentanoic acid	4.00	4.10	103	65-135	
Perfluorohexanoic acid	4.00	3.89	97	70-145	
Perfluoroheptanoic acid	4.00	3.62	90	70-150	
Perfluorooctanoic acid	4.00	4.02	101	70-150	
Perfluorononanoic acid	4.00	4.04	101	70-150	
Perfluorodecanoic acid	4.00	4.05	101	70-140	
Perfluoroundecanoic acid	4.00	3.93	98	70-145	
Perfluorododecanoic acid	4.00	4.02	100	70-140	
Perfluorotridecanoic acid	4.00	3.98	100	65-140	
Perfluorotetradecanoic acid	4.00	3.58	89	60-140	
Perfluorobutanesulfonic acid	3.55	3.11	88	60-145	
Perfluoropentanesulfonic acid	3.76	3.93	105	65-140	
Perfluorohexanesulfonic acid	3.65	3.10	85	65-145	
Perfluoroheptanesulfonic acid	3.82	3.66	96	70-150	
Perfluorooctanesulfonic acid	3.72	3.70	100	55-150	
Perfluorononanesulfonic acid	3.85	3.28	85	65-145	
Perfluorodecanesulfonic acid	3.86	3.01	78	60-145	
Perfluorododecanesulfonic acid (PFDoS)	3.88	2.96	76	50-145	
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	7.47	8.20	110	70-145	
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	7.58	7.83	103	65-155	
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	7.66	9.12	119	60-150	
Perfluorooctanesulfonamide	4.00	4.17	104	70-145	
NMeFOSA	4.00	4.03	101	60-150	
N-ethylperfluoro-1-octanesulfonamide	4.00	4.09	102	65-145	
NMeFOSAA	4.00	4.37	109	50-140	
NEtFOSAA	4.00	3.95	99	70-145	
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	20.0	20.4	102	70-145	
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	20.0	20.3	102	70-135	
HFPO-DA	3.00	3.05	102	70-140	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	3.28	87	65-145	

Column to be used to flag recovery and RPD values

FORM III 1633

FORM III
PFAS LOW LEVEL CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 25MAR05W-80.d

Lab ID: LLCS 410-613015/3-A Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LLCS CONCENTRATION (ng/L)	LLCS % REC	QC LIMITS REC	#
Perfluoro-3-methoxypropanoic acid	4.00	4.27	107	55-140	
Perfluoro(4-methoxybutanoic acid)	4.00	4.42	111	60-150	
Perfluoro-3,6-dioxaheptanoic acid	4.00	4.98	124	50-150	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	3.74	4.07	109	70-155	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	3.78	3.65	97	55-160	
PFEESA	3.57	3.70	104	70-140	
3:3 FTCA	8.00	8.16	102	65-130	
5:3 FTCA	20.0	17.3	87	70-135	
7:3 FTCA	20.0	13.3	67	50-145	
13C4 PFBA	80.0	65.4	81.8	5-130	
13C5 PFPeA	80.0	68.2	85.3	40-130	
13C5 PFHxA	80.0	65.8	82.2	40-130	
13C4 PFHpA	80.0	72.2	90.2	40-130	
13C8 PFOA	80.0	67.0	83.7	40-130	
13C9 PFNA	80.0	66.7	83.4	40-130	
13C6 PFDA	80.0	64.5	80.6	40-130	
13C7 PFUnA	80.0	65.7	82.2	30-130	
13C2 PFTeDA	80.0	63.0	78.7	10-130	
13C3 PFBS	74.6	59.5	79.7	40-135	
13C3 PFHxS	75.8	66.2	87.3	40-130	
13C8 PFOS	76.5	69.6	91.0	40-130	
13C8 FOSA	80.0	51.7	64.6	40-130	
d3-NMeFOSAA	200	145	72.5	40-170	
d5-NEtFOSAA	200	158	79.1	25-135	
M2-4:2 FTS	188	140	74.8	40-200	
M2-6:2 FTS	190	170	89.2	40-200	
M2-8:2 FTS	192	151	78.4	40-300	
13C3 HFPO-DA	80.0	67.9	84.9	40-130	
d7-N-MeFOSE-M	200	122	61.1	10-130	
d9-N-EtFOSE-M	200	119	59.4	10-130	
d5-NEtPFOSA	80.0	35.4	44.3	10-130	
d3-NMePFOSA	80.0	35.3	44.1	10-130	
13C2 PFDoA	80.0	57.9	72.4	10-130	

Column to be used to flag recovery and RPD values

FORM III 1633

FORM III
PFAS LOW LEVEL CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 25MAR06-41.d

Lab ID: LLCS 410-613587/4-A Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LLCS CONCENTRATION (ng/L)	LLCS % REC	QC LIMITS REC	#
Perfluorobutanoic acid	8.00	9.79	122	70-140	
Perfluoropentanoic acid	4.00	4.51	113	65-135	
Perfluorohexanoic acid	4.00	4.96	124	70-145	
Perfluoroheptanoic acid	4.00	4.42	110	70-150	
Perfluorooctanoic acid	4.00	4.73	118	70-150	
Perfluorononanoic acid	4.00	4.85	121	70-150	
Perfluorodecanoic acid	4.00	4.88	122	70-140	
Perfluoroundecanoic acid	4.00	4.02	100	70-145	
Perfluorododecanoic acid	4.00	5.46	137	70-140	
Perfluorotridecanoic acid	4.00	4.20	105	65-140	
Perfluorotetradecanoic acid	4.00	3.91	98	60-140	
Perfluorobutanesulfonic acid	3.55	4.25	120	60-145	
Perfluoropentanesulfonic acid	3.76	4.21	112	65-140	
Perfluorohexanesulfonic acid	3.65	4.74	130	65-145	
Perfluoroheptanesulfonic acid	3.82	3.79	99	70-150	
Perfluorooctanesulfonic acid	3.72	4.45	120	55-150	
Perfluorononanesulfonic acid	3.85	4.23	110	65-145	
Perfluorodecanesulfonic acid	3.86	3.45	89	60-145	
Perfluorododecanesulfonic acid (PFDoS)	3.88	3.01	77	50-145	
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	7.47	8.86	119	70-145	
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	7.58	9.53	126	65-155	
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	7.66	6.94	91	60-150	
Perfluorooctanesulfonamide	4.00	4.67	117	70-145	
NMeFOSA	4.00	5.13	128	60-150	
N-ethylperfluoro-1-octanesulfonamide	4.00	4.38	110	65-145	
NMeFOSAA	4.00	4.75	119	50-140	
NEtFOSAA	4.00	4.21	105	70-145	
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	20.0	24.0	120	70-145	
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	20.0	22.1	110	70-135	
HFPO-DA	3.00	3.89	130	70-140	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	3.95	104	65-145	

Column to be used to flag recovery and RPD values

FORM III 1633

FORM III
PFAS LOW LEVEL CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 25MAR06-41.d

Lab ID: LLCS 410-613587/4-A Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LLCS CONCENTRATION (ng/L)	LLCS % REC	QC LIMITS REC	#
Perfluoro-3-methoxypropanoic acid	4.00	4.47	112	55-140	
Perfluoro(4-methoxybutanoic acid)	4.00	4.68	117	60-150	
Perfluoro-3,6-dioxaheptanoic acid	4.00	5.77	144	50-150	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	3.74	5.49	147	70-155	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	3.78	5.16	137	55-160	
PFEESA	3.57	4.41	124	70-140	
3:3 FTCA	8.00	7.28	91	65-130	
5:3 FTCA	20.0	23.6	118	70-135	
7:3 FTCA	20.0	19.1	96	50-145	
13C4 PFBA	80.0	71.5	89.4	5-130	
13C5 PFPeA	80.0	74.3	92.9	40-130	
13C5 PFHxA	80.0	68.6	85.8	40-130	
13C4 PFHpA	80.0	77.9	97.4	40-130	
13C8 PFOA	80.0	76.5	95.6	40-130	
13C9 PFNA	80.0	77.7	97.1	40-130	
13C6 PFDA	80.0	69.7	87.1	40-130	
13C7 PFUnA	80.0	112	140	30-130	*5+
13C2 PFTeDA	80.0	68.0	85.0	10-130	
13C3 PFBS	74.6	62.1	83.3	40-135	
13C3 PFHxS	75.8	64.4	85.0	40-130	
13C8 PFOS	76.6	67.7	88.3	40-130	
13C8 FOSA	80.0	62.3	77.9	40-130	
d3-NMeFOSAA	200	143	71.4	40-170	
d5-NEtFOSAA	200	140	70.1	25-135	
M2-4:2 FTS	188	159	84.9	40-200	
M2-6:2 FTS	190	173	90.6	40-200	
M2-8:2 FTS	192	166	86.4	40-300	
13C3 HFPO-DA	80.0	71.7	89.6	40-130	
d7-N-MeFOSE-M	200	123	61.7	10-130	
d9-N-EtFOSE-M	200	120	60.1	10-130	
d5-NEtPFOSA	80.0	34.4	42.9	10-130	
d3-NMePFOSA	80.0	34.1	42.6	10-130	
13C2 PFDoA	80.0	86.9	109	10-130	

Column to be used to flag recovery and RPD values

FORM III 1633

FORM IV
PFAS METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab File ID: 25MAR05W-78.d Lab Sample ID: MB 410-613015/1-A

Matrix: Water Date Extracted: 03/05/2025 07:58

Instrument ID: 29347 Date Analyzed: 03/06/2025 06:16

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-613015/2-A	25MAR05W-79.d	03/06/2025 06:30
	LLCS 410-613015/3-A	25MAR05W-80.d	03/06/2025 06:45
MW-01-021325	410-209941-1	25MAR05W-81.d	03/06/2025 06:59
MW-04-021325	410-209941-2	25MAR05W-82.d	03/06/2025 07:13
MW-20D-021325	410-209941-3	25MAR05W-83.d	03/06/2025 07:27
MW-20D-FD-021325	410-209941-4	25MAR05W-84.d	03/06/2025 07:41
MW-22-021925	410-209941-5	25MAR05W-85.d	03/06/2025 07:55
MW-23-021425	410-209941-6	25MAR05W-86.d	03/06/2025 08:09

FORM IV
PFAS METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab File ID: 25MAR06-38.d Lab Sample ID: MB 410-613587/1-A

Matrix: Water Date Extracted: 03/06/2025 08:30

Instrument ID: 30729 Date Analyzed: 03/07/2025 02:27

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-613587/2-A	25MAR06-39.d	03/07/2025 02:41
	LCSD 410-613587/3-A	25MAR06-40.d	03/07/2025 02:56
	LLCS 410-613587/4-A	25MAR06-41.d	03/07/2025 03:10
MW-26-021825	410-209941-7	25MAR06-42.d	03/07/2025 03:24
MW-11R-021325	410-209941-8	25MAR06-43.d	03/07/2025 03:38
MW-30S-021325	410-209941-10	25MAR06-45.d	03/07/2025 04:06
EB-04-021925	410-209941-11	25MAR06-46.d	03/07/2025 04:20
FB-01-021925	410-209941-12	25MAR06-47.d	03/07/2025 04:34
MW-13-021925	410-209941-9	25MAR10N-20.d	03/11/2025 00:02
EB-03-021825	410-209941-13	25MAR10N-21.d	03/11/2025 00:15

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Instrument ID 29347 Calibration Start Date: 02/27/2025 15:11

GC Column: Gemini C18 50mm ID: 3(mm) Calibration End Date: 02/27/2025 16:49

Calibration ID: 70169

		13C3PFBA		PFHxA		PFOA	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		2084825	4.14	4825206	5.31	6167190	6.30
UPPER LIMIT		4169650	4.54	9650412	5.71	12334380	6.70
LOWER LIMIT		1042413	3.74	2412603	4.91	3083595	5.90
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICB 410-610933/9		2013362	4.13	4593757	5.29	6066010	6.28
ICV 410-610933/10		2280875	4.12	5153925	5.31	6555313	6.30
CCVO 410-613042/1		1736617	4.12	3648486	5.28	5052992	6.25
CCV 410-613042/165		1493599	4.12	3906115	5.28	5457734	6.26
CCB 410-613042/166		1493367	4.13	3813741	5.28	5502148	6.26
MB 410-613015/1-A		2369030	4.10	4889384	5.27	6679422	6.25
LCS 410-613015/2-A		2121441	4.11	4472895	5.26	6393537	6.25
LLCS 410-613015/3-A		2189389	4.11	4758813	5.27	6829345	6.24
410-209941-1	MW-01-021325	2282262	4.11	4863428	5.27	6528275	6.24
410-209941-2	MW-04-021325	2301875	4.10	4795895	5.26	6664208	6.23
410-209941-3	MW-20D-021325	2105008	4.12	4813763	5.27	6763016	6.24
410-209941-4	MW-20D-FD-021325	2130096	4.11	4798717	5.27	6710260	6.24
410-209941-5	MW-22-021925	2172547	4.10	4656112	5.26	6432146	6.24
410-209941-6	MW-23-021425	2183377	4.11	4686376	5.27	6546787	6.24
CCV 410-613042/167		1473376	4.12	3941650	5.27	5584306	6.25
CCB 410-613042/168		1926006	4.12	3951614	5.29	5463093	6.26

13C3PFBA = 13C3-PFBA
PFHxA = 13C2 PFHxA
PFOA = 13C4 PFOA

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.4 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Instrument ID 29347 Calibration Start Date: 02/27/2025 15:11

GC Column: Gemini C18 50mm ID: 3(mm) Calibration End Date: 02/27/2025 16:49

Calibration ID: 70169

		PFHxS		PFNA		PFDA	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		2683505	6.54	2620856	6.74	2083526	7.17
UPPER LIMIT		5367010	6.94	5241712	7.14	4167052	7.57
LOWER LIMIT		1341753	6.14	1310428	6.34	1041763	6.77
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICB 410-610933/9		2685859	6.53	2460364	6.73	1848726	7.16
ICV 410-610933/10		2805125	6.54	2839153	6.74	2153264	7.18
CCVO 410-613042/1		2192413	6.50	2067115	6.70	1630241	7.13
CCV 410-613042/165		2373148	6.49	2239154	6.70	1806304	7.13
CCB 410-613042/166		2400735	6.50	2075070	6.70	1618505	7.13
MB 410-613015/1-A		3001040	6.49	2790057	6.69	2256721	7.12
LCS 410-613015/2-A		2693975	6.47	2662800	6.68	2071516	7.11
LLCS 410-613015/3-A		2742558	6.48	2770665	6.68	2200621	7.11
410-209941-1	MW-01-021325	2804989	6.48	2747940	6.68	2207123	7.11
410-209941-2	MW-04-021325	2849805	6.47	2822925	6.68	2150217	7.10
410-209941-3	MW-20D-021325	2819197	6.48	2759335	6.69	2113505	7.11
410-209941-4	MW-20D-FD-021325	2862541	6.48	2822056	6.68	2133310	7.11
410-209941-5	MW-22-021925	2705859	6.46	2675586	6.68	2029611	7.11
410-209941-6	MW-23-021425	2870131	6.48	2764239	6.69	2250384	7.11
CCV 410-613042/167		2370293	6.48	2246107	6.69	1757205	7.12
CCB 410-613042/168		2407427	6.50	2205359	6.70	1673763	7.13

PFHxS = 18O2 PFHxS
PFNA = 13C5 PFNA
PFDA = 13C2 PFDA

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.4 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Instrument ID 29347 Calibration Start Date: 02/27/2025 15:11

GC Column: Gemini C18 50mm ID: 3(mm) Calibration End Date: 02/27/2025 16:49

Calibration ID: 70169

		PFOS					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		2851277	7.44				
UPPER LIMIT		5702554	7.84				
LOWER LIMIT		1425639	7.04				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICB 410-610933/9		2847539	7.44				
ICV 410-610933/10		3127486	7.46				
CCVO 410-613042/1		2109363	7.40				
CCV 410-613042/165		2228269	7.39				
CCB 410-613042/166		2393507	7.39				
MB 410-613015/1-A		3111817	7.38				
LCS 410-613015/2-A		2831957	7.37				
LLCS 410-613015/3-A		3086407	7.37				
410-209941-1	MW-01-021325	3136741	7.37				
410-209941-2	MW-04-021325	2977225	7.37				
410-209941-3	MW-20D-021325	3080828	7.38				
410-209941-4	MW-20D-FD-021325	2992660	7.38				
410-209941-5	MW-22-021925	3038429	7.37				
410-209941-6	MW-23-021425	3040062	7.37				
CCV 410-613042/167		2202263	7.38				
CCB 410-613042/168		2412405	7.40				

PFOS = 13C4 PFOS

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.4 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Instrument ID 30570 Calibration Start Date: 03/06/2025 19:13

GC Column: Gemini C18 50mm ID: 3(mm) Calibration End Date: 03/06/2025 20:48

Calibration ID: 70402

		13C3PFBA		PFHxA		PFOA	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		1688335	4.13	3554627	5.24	5378081	6.09
UPPER LIMIT		3376670	4.53	7109254	5.64	10756162	6.49
LOWER LIMIT		844168	3.73	1777314	4.84	2689041	5.69
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICB 410-613974/9		2075232	4.13	4214339	5.25	6440309	6.10
ICV 410-613974/10		1975400	4.13	3769511	5.25	5716253	6.10
CCVO 410-615077/1		1968787	4.14	3686662	5.26	5669208	6.12
CCV 410-615077/12		2057452	4.13	4025835	5.24	5931776	6.10
CCB 410-615077/13		2179098	4.14	3825527	5.25	5932647	6.10
410-209941-9	MW-13-021925	1910298	4.12	3642184	5.23	5566110	6.08
410-209941-13	EB-03-021825	1957973	4.12	3468844	5.24	5932244	6.08
CCV 410-615077/33		1988679	4.13	3767265	5.25	6284046	6.10
CCB 410-615077/34		2072594	4.13	4138373	5.24	6242971	6.08

13C3PFBA = 13C3-PFBA
PFHxA = 13C2 PFHxA
PFOA = 13C4 PFOA

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.4 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Instrument ID 30570 Calibration Start Date: 03/06/2025 19:13

GC Column: Gemini C18 50mm ID: 3(mm) Calibration End Date: 03/06/2025 20:48

Calibration ID: 70402

		PFHxS		PFNA		PFDA	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		1043501	6.32	1970402	6.50	1807240	6.91
UPPER LIMIT		2087002	6.72	3940804	6.90	3614480	7.31
LOWER LIMIT		521751	5.92	985201	6.10	903620	6.51
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICB 410-613974/9		1337930	6.33	2343926	6.51	2074753	6.92
ICV 410-613974/10		1202100	6.33	2285187	6.51	2082886	6.92
CCVO 410-615077/1		1201831	6.36	2033687	6.54	1856006	6.95
CCV 410-615077/12		1392834	6.33	2132855	6.51	1974574	6.91
CCB 410-615077/13		1127532	6.33	2101202	6.51	1901258	6.92
410-209941-9	MW-13-021925	1162284	6.30	1829016	6.48	1641776	6.89
410-209941-13	EB-03-021825	1181433	6.30	1782789	6.48	1838796	6.89
CCV 410-615077/33		1217178	6.33	2238548	6.50	1897511	6.91
CCB 410-615077/34		1185930	6.32	2232473	6.50	1948315	6.91

PFHxS = 18O2 PFHxS
PFNA = 13C5 PFNA
PFDA = 13C2 PFDA

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.4 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Instrument ID 30570 Calibration Start Date: 03/06/2025 19:13

GC Column: Gemini C18 50mm ID: 3(mm) Calibration End Date: 03/06/2025 20:48

Calibration ID: 70402

		PFOS					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		836512	7.18				
UPPER LIMIT		1673024	7.58				
LOWER LIMIT		418256	6.78				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICB 410-613974/9		1017093	7.19				
ICV 410-613974/10		970696	7.19				
CCVO 410-615077/1		937660	7.22				
CCV 410-615077/12		926387	7.18				
CCB 410-615077/13		956748	7.18				
410-209941-9	MW-13-021925	865411	7.15				
410-209941-13	EB-03-021825	983132	7.16				
CCV 410-615077/33		908449	7.18				
CCB 410-615077/34		1001687	7.17				

PFOS = 13C4 PFOS

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.4 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Instrument ID 30729 Calibration Start Date: 03/03/2025 18:24

GC Column: Gemini C18 50mm ID: 3(mm) Calibration End Date: 03/03/2025 20:03

Calibration ID: 70308

		13C3PFBA		PFHxA		PFOA	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		681561	4.45	1670195	5.68	2076800	6.57
UPPER LIMIT		1363122	4.85	3340390	6.08	4153600	6.97
LOWER LIMIT		340781	4.05	835098	5.28	1038400	6.17
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICB 410-612155/9		732876	4.45	1777548	5.68	2271823	6.56
ICV 410-612155/10		767012	4.44	1914814	5.67	2217491	6.56
CCVO 410-613851/1		726304	4.46	2078913	5.68	2575712	6.57
CCV 410-613851/46		796758	4.45	2073988	5.66	2496528	6.53
CCB 410-613851/47		888940	4.44	2171023	5.66	2694067	6.54
MB 410-613587/1-A		866019	4.42	2180634	5.65	2518530	6.53
LCS 410-613587/2-A		854949	4.42	2140827	5.65	2588633	6.53
LCSD 410-613587/3-A		813007	4.43	1992990	5.65	2569862	6.52
LLCS 410-613587/4-A		863723	4.42	2052185	5.65	2519438	6.51
410-209941-7	MW-26-021825	747717	4.42	2033190	5.64	2606748	6.52
410-209941-8	MW-11R-021325	823873	4.42	2101766	5.64	2770582	6.51
410-209941-10	MW-30S-021325	872977	4.43	2058514	5.64	2633499	6.51
410-209941-11	EB-04-021925	839827	4.42	2084310	5.64	2525488	6.52
410-209941-12	FB-01-021925	876913	4.42	2037316	5.65	2544569	6.52
CCV 410-613851/48		752863	4.44	2038659	5.65	2628151	6.53
CCB 410-613851/49		787477	4.44	2061435	5.65	2588453	6.53

13C3PFBA = 13C3-PFBA
PFHxA = 13C2 PFHxA
PFOA = 13C4 PFOA

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.4 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Instrument ID 30729 Calibration Start Date: 03/03/2025 18:24

GC Column: Gemini C18 50mm ID: 3(mm) Calibration End Date: 03/03/2025 20:03

Calibration ID: 70308

		PFHxS		PFNA		PFDA	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		665749	6.82	656177	7.00	629603	7.44
UPPER LIMIT		1331498	7.22	1312354	7.40	1259206	7.84
LOWER LIMIT		332875	6.42	328089	6.60	314802	7.04
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICB 410-612155/9		788260	6.81	721456	6.99	704093	7.43
ICV 410-612155/10		725883	6.80	713511	6.98	729667	7.42
CCVO 410-613851/1		786089	6.81	815632	7.00	728586	7.43
CCV 410-613851/46		821972	6.76	881134	6.95	715791	7.37
CCB 410-613851/47		824830	6.77	842361	6.95	763003	7.38
MB 410-613587/1-A		825657	6.76	723193	6.94	770921	7.36
LCS 410-613587/2-A		808490	6.76	664723	6.94	665446	7.37
LCSD 410-613587/3-A		890128	6.75	661124	6.94	678919	7.36
LLCS 410-613587/4-A		844731	6.75	748653	6.93	765284	7.35
410-209941-7	MW-26-021825	820128	6.75	701427	6.93	724040	7.36
410-209941-8	MW-11R-021325	876100	6.75	709582	6.93	705782	7.35
410-209941-10	MW-30S-021325	852026	6.74	720331	6.93	672900	7.35
410-209941-11	EB-04-021925	894253	6.75	702202	6.94	659995	7.36
410-209941-12	FB-01-021925	879963	6.75	779572	6.93	745394	7.36
CCV 410-613851/48		796404	6.76	810412	6.95	702701	7.37
CCB 410-613851/49		818567	6.76	832699	6.95	697245	7.37

PFHxS = 18O2 PFHxS
PFNA = 13C5 PFNA
PFDA = 13C2 PFDA

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.4 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Instrument ID 30729 Calibration Start Date: 03/03/2025 18:24

GC Column: Gemini C18 50mm ID: 3(mm) Calibration End Date: 03/03/2025 20:03

Calibration ID: 70308

		PFOS					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		633924	7.73				
UPPER LIMIT		1267848	8.13				
LOWER LIMIT		316962	7.33				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICB 410-612155/9		754503	7.72				
ICV 410-612155/10		720924	7.71				
CCVO 410-613851/1		784626	7.71				
CCV 410-613851/46		794669	7.65				
CCB 410-613851/47		947876	7.66				
MB 410-613587/1-A		909745	7.64				
LCS 410-613587/2-A		965511	7.64				
LCSD 410-613587/3-A		902015	7.63				
LLCS 410-613587/4-A		1019765	7.63				
410-209941-7	MW-26-021825	961891	7.63				
410-209941-8	MW-11R-021325	929465	7.63				
410-209941-10	MW-30S-021325	925906	7.62				
410-209941-11	EB-04-021925	871253	7.63				
410-209941-12	FB-01-021925	993458	7.63				
CCV 410-613851/48		782113	7.65				
CCB 410-613851/49		927212	7.65				

PFOS = 13C4 PFOS

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.4 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: MW-01-021325
Lab Sample ID: 410-209941-1

Matrix: Water
Lab File ID: 25MAR05W-81.d

Analysis Method: 1633
Date Collected: 02/13/2025 09:25

Extraction Method: 1633
Date Extracted: 03/05/2025 07:58

Sample wt/vol: 135.9(mL)
Date Analyzed: 03/06/2025 06:59

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture:
% Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613042
Units: ng/L

Preparation Batch No.: 613015
Instrument ID: 29347

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	6.3		3.7	1.0
2706-90-3	Perfluoropentanoic acid	3.6		1.8	0.55
307-24-4	Perfluorohexanoic acid	3.4		1.8	0.46
375-85-9	Perfluoroheptanoic acid	2.0		1.8	0.74
335-67-1	Perfluorooctanoic acid	9.1		1.8	0.83
375-95-1	Perfluorononanoic acid	3.5		1.8	0.46
335-76-2	Perfluorodecanoic acid	0.80	J	1.8	0.46
2058-94-8	Perfluoroundecanoic acid	ND		1.8	0.46
307-55-1	Perfluorododecanoic acid	ND		1.8	0.46
72629-94-8	Perfluorotridecanoic acid	ND		1.8	0.46
376-06-7	Perfluorotetradecanoic acid	ND		1.8	0.46
375-73-5	Perfluorobutanesulfonic acid	3.3		1.8	0.46
2706-91-4	Perfluoropentanesulfonic acid	ND		1.8	0.46
355-46-4	Perfluorohexanesulfonic acid	1.2	J	1.8	0.74
375-92-8	Perfluoroheptanesulfonic acid	ND		1.8	0.46
1763-23-1	Perfluorooctanesulfonic acid	4.3		1.8	0.46
68259-12-1	Perfluorononanesulfonic acid	ND		1.8	0.46
335-77-3	Perfluorodecanesulfonic acid	ND		1.8	0.46
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.55
757124-72-4	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		3.7	0.92
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	1.4	J	3.7	0.92
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		3.7	0.92
754-91-6	Perfluorooctanesulfonamide	ND		1.8	0.46
31506-32-8	NMeFOSA	ND		1.8	0.46
4151-50-2	N-ethylperfluoro-1-octanesulfonamide	ND		1.8	0.46
2355-31-9	NMeFOSAA	ND		1.8	0.46
2991-50-6	NEtFOSAA	ND		1.8	0.46

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: MW-01-021325
Lab Sample ID: 410-209941-1

Matrix: Water
Lab File ID: 25MAR05W-81.d

Analysis Method: 1633
Date Collected: 02/13/2025 09:25

Extraction Method: 1633
Date Extracted: 03/05/2025 07:58

Sample wt/vol: 135.9(mL)
Date Analyzed: 03/06/2025 06:59

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613042
Units: ng/L

Preparation Batch No.: 613015
Instrument ID: 29347

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
24448-09-7	2-(N-methylperfluoro-1-octanesulfonamido) ethanol	ND		9.2	2.3
1691-99-2	2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	ND		9.2	2.3
13252-13-6	HFPO-DA	ND		1.8	0.69
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.46
377-73-1	Perfluoro-3-methoxypropanoic acid	ND		1.8	0.46
863090-89-5	Perfluoro(4-methoxybutanoic acid)	ND		1.8	0.46
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid	ND	cn	1.8	0.46
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND		1.8	0.46
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		1.8	0.46
113507-82-7	PFEESA	ND		1.8	0.46
356-02-5	3:3 FTCA	ND		3.7	0.92
914637-49-3	5:3 FTCA	ND		9.2	2.6
812-70-4	7:3 FTCA	ND		9.2	2.3

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: MW-01-021325
Lab Sample ID: 410-209941-1

Matrix: Water
Lab File ID: 25MAR05W-81.d

Analysis Method: 1633
Date Collected: 02/13/2025 09:25

Extraction Method: 1633
Date Extracted: 03/05/2025 07:58

Sample wt/vol: 135.9(mL)
Date Analyzed: 03/06/2025 06:59

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613042
Units: ng/L

Preparation Batch No.: 613015
Instrument ID: 29347

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	74.0		5-130
STL01893	13C5 PFPeA	76.0		40-130
STL02577	13C5 PFHxA	73.8		40-130
STL01892	13C4 PFHpA	79.5		40-130
STL01052	13C8 PFOA	72.8		40-130
STL02578	13C9 PFNA	76.2		40-130
STL02579	13C6 PFDA	67.5		40-130
STL02580	13C7 PFUnA	62.4		30-130
STL02116	13C2 PFTeDA	67.6		10-130
STL02337	13C3 PFBS	74.2		40-135
STL02581	13C3 PFHxS	75.8		40-130
STL01054	13C8 PFOS	78.4		40-130
STL01056	13C8 FOSA	52.9		40-130
STL02118	d3-NMeFOSAA	65.0		40-170
STL02117	d5-NEtFOSAA	65.7		25-135
STL02395	M2-4:2 FTS	67.6		40-200
STL02279	M2-6:2 FTS	77.1		40-200
STL02280	M2-8:2 FTS	62.7		40-300
STL02255	13C3 HFPO-DA	71.1		40-130
STL02277	d7-N-MeFOSE-M	51.8		10-130
STL02278	d9-N-EtFOSE-M	53.2		10-130
STL02704	d5-NEtPFOSA	46.7		10-130
STL02705	d3-NMePFOSA	45.3		10-130
STL00998	13C2 PFDoA	54.6		10-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\25MAR05W-81.d
Lims ID: 410-209941-A-1-B
Client ID: MW-01-021325
Sample Type: Client
Inject. Date: 06-Mar-2025 06:59:08 ALS Bottle#: 37 Worklist Smp#: 143
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: 410-209941-A-1-B
Misc. Info.: Plate: 1 Rack: 1 410-0139917-143
Operator ID: US19_USR_INS00012E Instrument ID: 29347

Method: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\29347_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 06-Mar-2025 15:56:13 Calib Date: 27-Feb-2025 16:49:35
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1676

First Level Reviewer: JU9U Date: 06-Mar-2025 15:53:34
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 4 13C4-PFBA										
216.80 > 171.90	4.102	4.116	-0.014	0.998	1935771	1.48		74.0	48345	
3 PFBA										
212.80 > 168.90	4.102	4.116	-0.014	1.000	160759	0.1709			72.2	
* 5 13C3PFBA										
216.00 > 172.00	4.108	4.116	-0.008		2282262	2.00			350	
8 PFPA										
263.00 > 219.00	4.708	4.711	-0.003	1.000	65055	0.0989			350	
D 9 13C5 PFPeA										
268.30 > 223.00	4.708	4.711	-0.003	0.894	763313	1.52		76.0	34537	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.050	5.063	-0.013	0.780	419231	3.17		67.6	17525	
16 PFHxA										
313.00 > 269.00	5.259	5.272	-0.013	0.998	80586	0.0913	Target=13.05		702	
313.00 > 118.90	5.259	5.272	-0.013	0.998	4647		17.34(6.53-19.58)		235	
D 17 13C5 PFHxA										
318.00 > 273.00	5.269	5.281	-0.012	1.000	1549979	1.48		73.8	63672	
* 15 13C2 PFHxA										
315.10 > 270.00	5.269	5.281	-0.012		4863428	5.00			110590	
19 PFBS										
298.70 > 79.90	5.404	5.418	-0.014	1.000	116705	0.0897	Target=3.09		3081	
298.70 > 98.80	5.404	5.418	-0.014	1.000	44466		2.62(1.55-4.64)		1745	
D 20 13C3 PFBS										
302.10 > 79.90	5.404	5.418	-0.014	0.834	2221132	1.38		74.2	71997	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.481	5.496	-0.015	1.040	960939	1.42		71.1	44190	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
26 PFHpA										
363.10 > 319.00	5.776	5.790	-0.014	1.000	71578	0.0548	Target=3.46		179	
363.10 > 169.00	5.765	5.790	-0.025	0.998	22346		3.20(1.73-5.19)		603	
D 27 13C4 PFHpA										
367.10 > 322.00	5.776	5.790	-0.014	1.096	2041976	1.59		79.5	98018	
30 6:2FTS										
427.10 > 407.00	6.011	6.031	-0.020	0.998	12564	0.0378	Target=1.46		898	
427.10 > 80.90	6.011	6.031	-0.020	0.998	7838		1.60(0.73-2.20)		192	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.020	6.031	-0.011	0.930	336896	3.67		77.1	17828	
D 34 13C8 PFOA										
421.10 > 376.00	6.243	6.254	-0.011	1.000	1927113	1.46		72.8	100913	
* 35 13C4 PFOA										
417.10 > 372.00	6.243	6.254	-0.011		6528275	5.00			815203	
36 PFOA										M
413.00 > 369.00	6.243	6.254	-0.011	1.000	226083	0.2477	Target=2.10		9469	M
413.00 > 169.00	6.233	6.254	-0.021	0.998	91579		2.47(1.05-3.15)		29737	
* 38 18O2 PFHxS										
403.00 > 83.90	6.475	6.496	-0.021		2804989	1.89			139406	
40 PFHxS										
398.70 > 79.90	6.475	6.496	-0.021	1.000	51153	0.0318	Target=2.96		15248	
398.70 > 98.90	6.466	6.496	-0.030	0.998	12738		4.02(1.48-4.44)		23.6	
D 39 13C3 PFHxS										
402.10 > 79.90	6.475	6.496	-0.021	1.000	2090902	1.44		75.8	83951	
* 43 13C5 PFNA										
468.00 > 423.00	6.680	6.701	-0.021		2747940	2.00			118806	
42 PFNA										
463.00 > 419.00	6.690	6.701	-0.011	1.001	95631	0.0958	Target=5.06		5994	
463.00 > 219.00	6.680	6.701	-0.021	1.000	13877		6.89(2.53-7.59)		12.8	
D 41 13C9 PFNA										
472.10 > 427.00	6.680	6.701	-0.021	1.000	2048412	1.52		76.2	110995	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.878	6.898	-0.020	1.062	173323	3.01		62.7	13290	
D 50 d3-NMeFOSAA										
573.20 > 419.00	7.050	7.058	-0.008	0.956	1943089	3.25		65.0	108746	
51 PFDA										
512.90 > 469.00	7.111	7.128	-0.017	1.000	17539	0.0218	Target=6.65		469	
512.90 > 219.00	7.111	7.128	-0.017	1.000	1770		9.91(3.33-9.98)		151	
D 53 13C6 PFDA										
519.10 > 474.10	7.111	7.128	-0.017	1.000	1525965	1.35		67.5	86258	
* 52 13C2 PFDA										
515.10 > 470.10	7.111	7.128	-0.017		2207123	2.00			124123	
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.228	7.246	-0.018	0.981	1688915	3.29		65.7	92072	
D 56 13C8 PFOS										
507.10 > 79.90	7.371	7.388	-0.017	1.000	2313328	1.50		78.4	56153	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
58 PFOS										
498.90 > 79.90	7.380	7.388	-0.008	1.001	176447	0.1167	Target=3.87		14042	
498.90 > 98.80	7.380	7.388	-0.008	1.001	32517		5.43(1.93-5.80)		67.1	
* 57 13C4 PFOS										
502.80 > 79.90	7.371	7.398	-0.027		3136741	1.91			113691	
D 60 13C7 PFUnA										
570.00 > 525.10	7.531	7.551	-0.020	1.059	1006572	1.25		62.4	50864	
D 64 PFDoA										
615.10 > 570.00	7.937	7.960	-0.023	1.116	711033	1.09		54.6	55901	
D 66 13C8 FOSA										
506.10 > 77.80	8.059	8.066	-0.007	1.093	1568596	1.06		52.9	70107	
D 71 13C2 PFTeDA										
715.20 > 670.00	8.668	8.689	-0.021	1.219	929622	1.35		67.6	43714	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	8.999	8.998	0.001	1.221	434091	2.59		51.8	3271	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.109	9.099	0.010	1.236	296117	0.9056		45.3	23431	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.226	9.224	0.002	1.252	557250	2.66		53.2	2309	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.301	9.299	0.002	1.262	341295	0.9331		46.7	15810	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_IS_V_00233 Amount Added: 50.00 Units: uL

Report Date: 06-Mar-2025 15:56:53 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\25MAR05W-81.d

Injection Date: 06-Mar-2025 06:59:08 Instrument ID: 29347

Lims ID: 410-209941-A-1-B Lab Sample ID: 410-209941-1

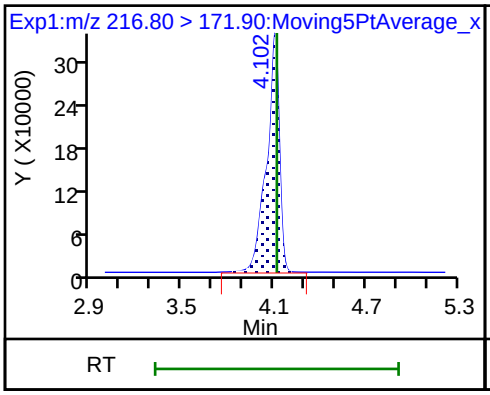
Client ID: MW-01-021325

Operator ID: US19_USR_INS00012E ALS Bottle#: 37 Worklist Smp#: 143

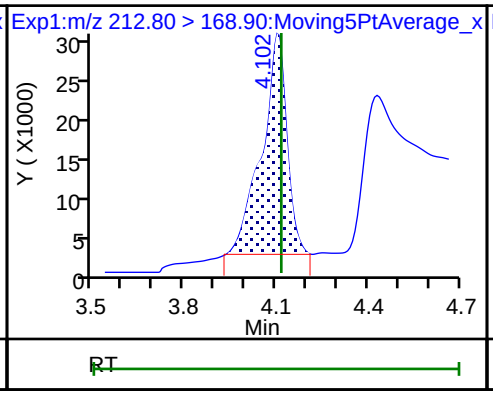
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 29347_1633Final Limit Group: LC - 1633 LVI- ICAL

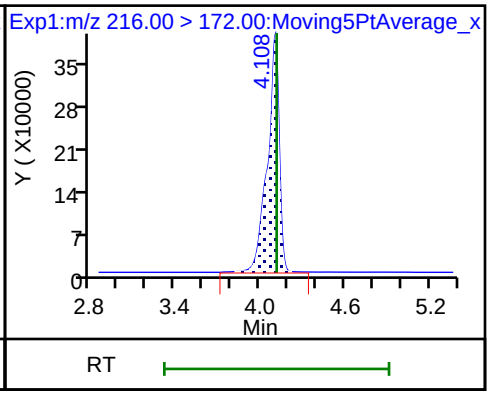
D 4 13C4-PFBA



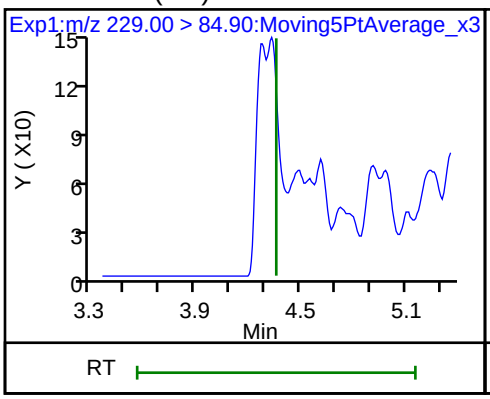
3 PFBA



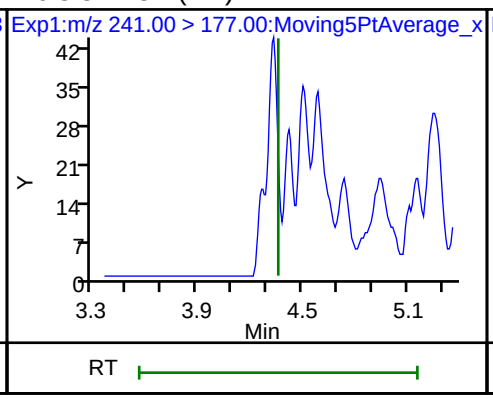
* 5 13C3PFBA



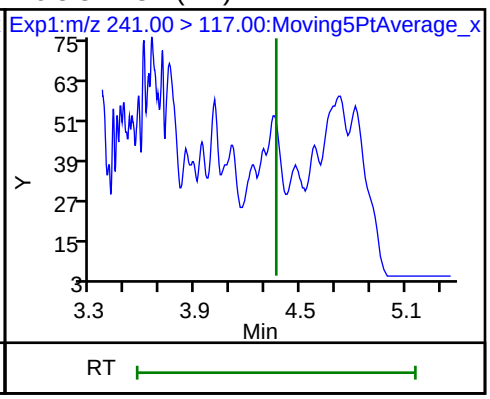
7 PFMPA (ND)



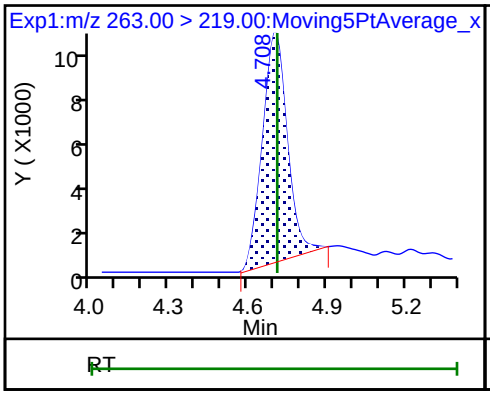
6 3:3 FTCA (ND)



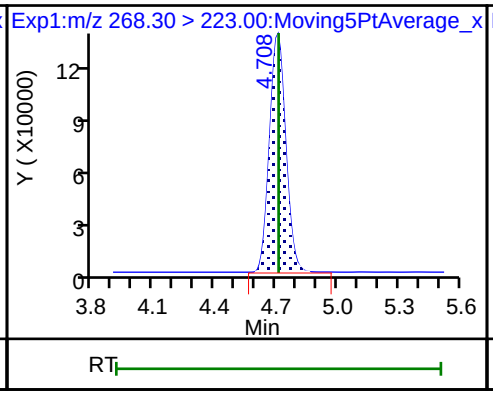
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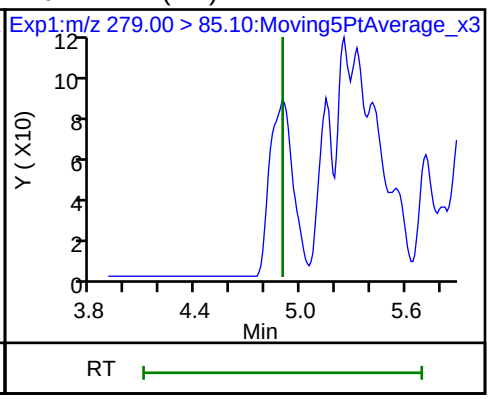
8 PFPA



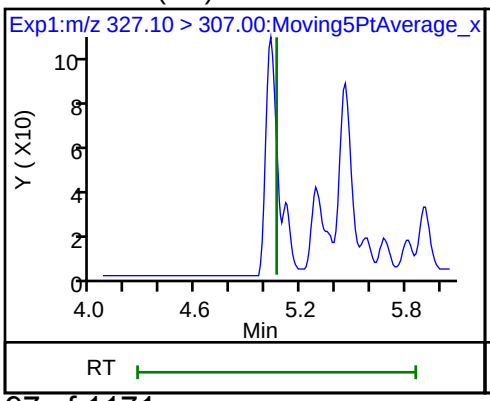
D 9 13C5 PFPeA



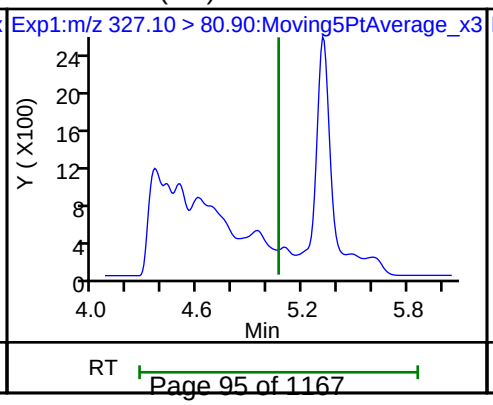
10 PFMBA (ND)



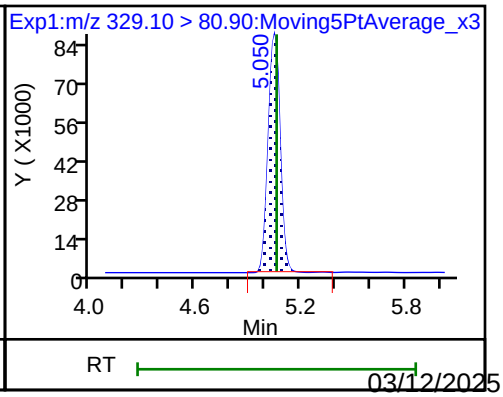
11 4:2FTS (ND)



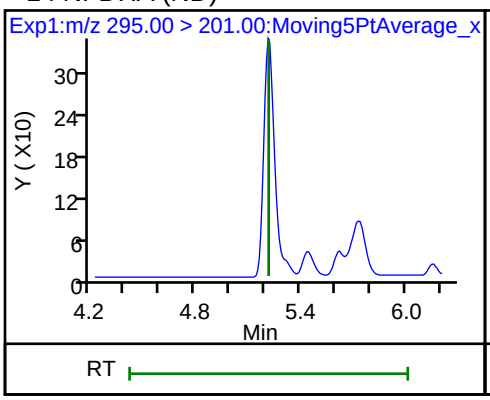
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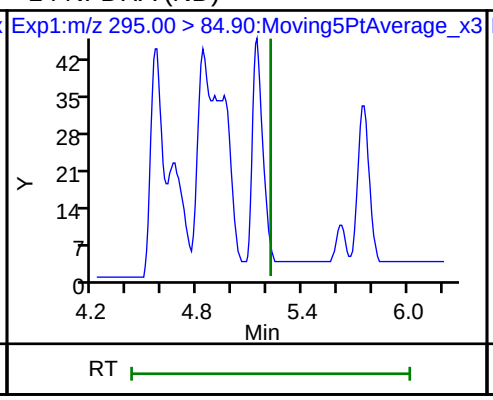
D 13 13C2-4:2FTS



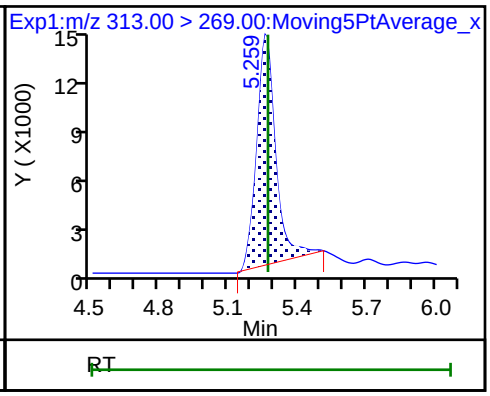
14 NFDHA (ND)



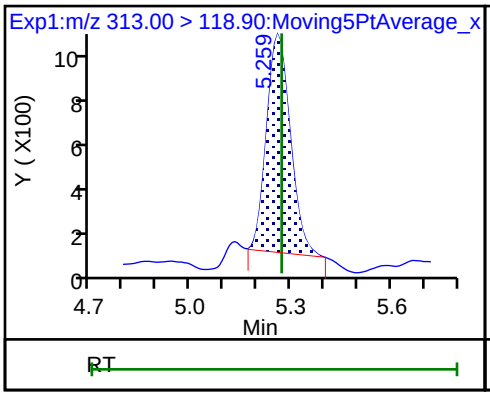
14 NFDHA (ND)



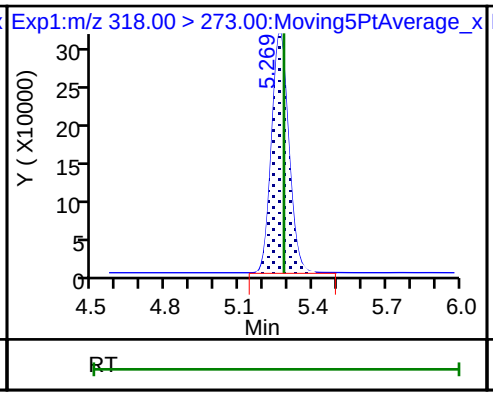
16 PFHxA



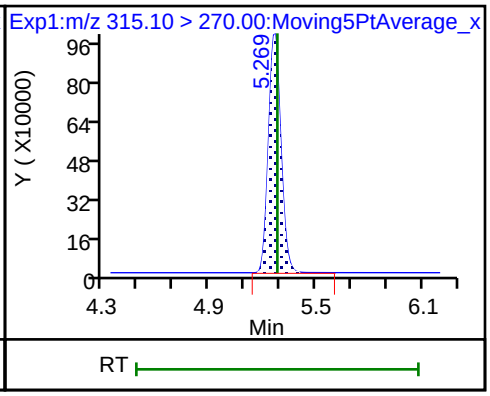
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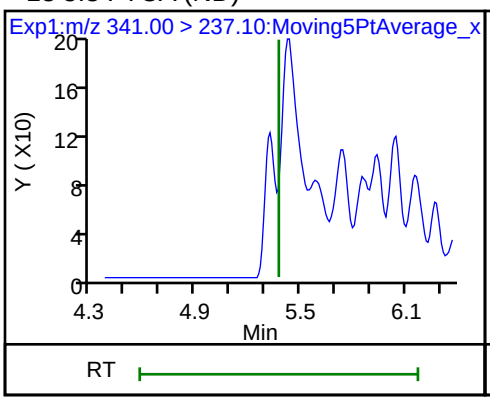
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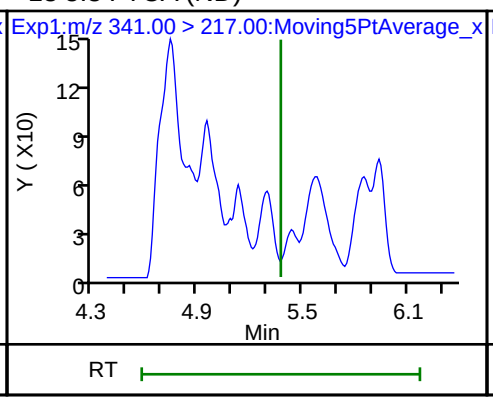
* 15 13C2 PFHxA



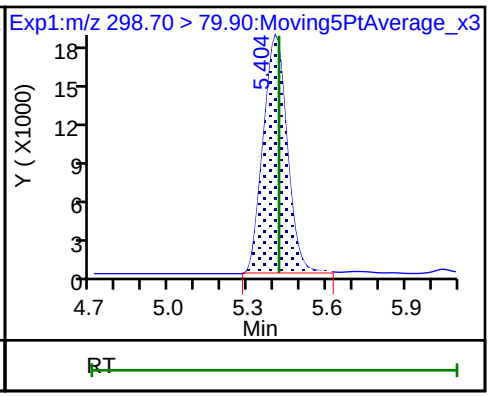
18 5:3 FTCA (ND)



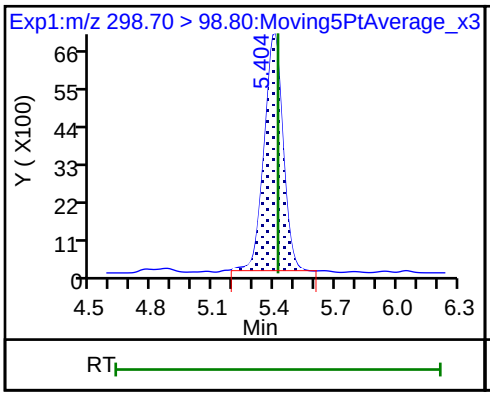
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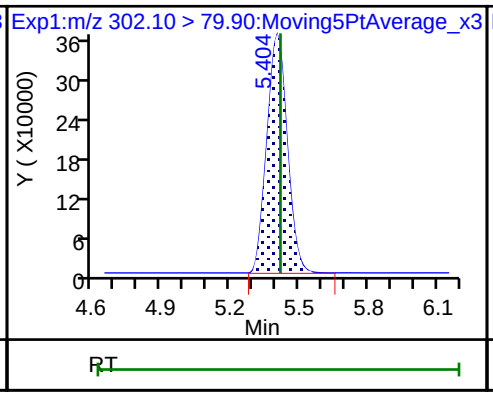
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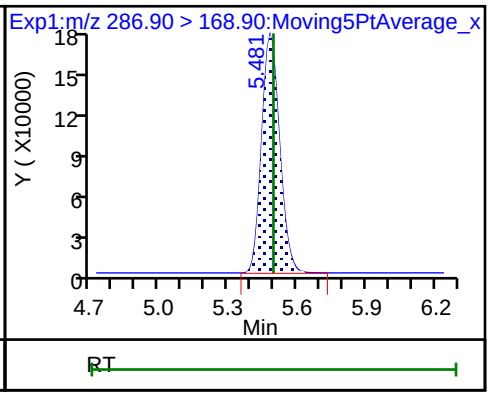
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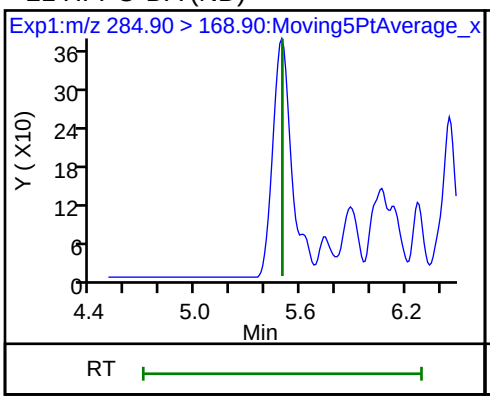
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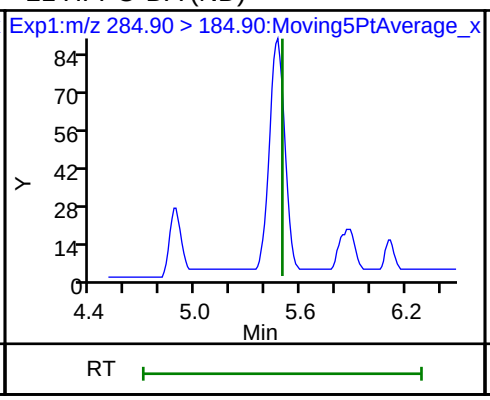
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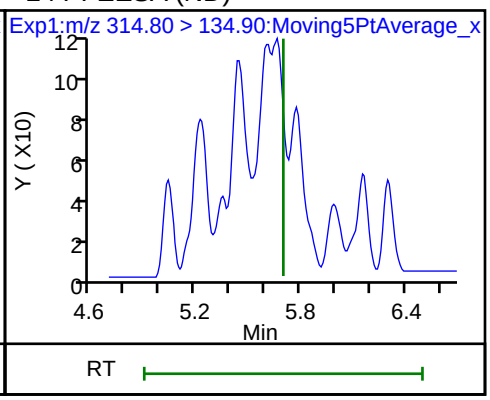
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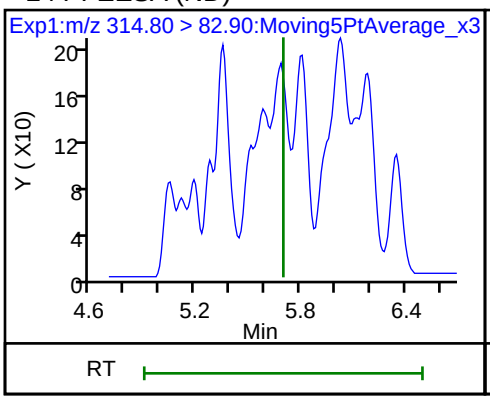
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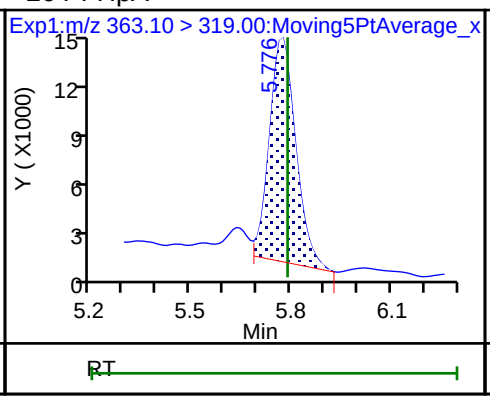
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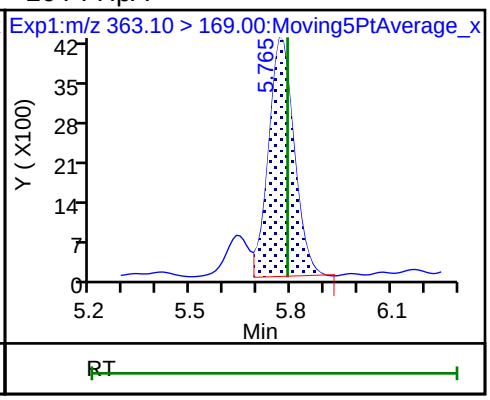
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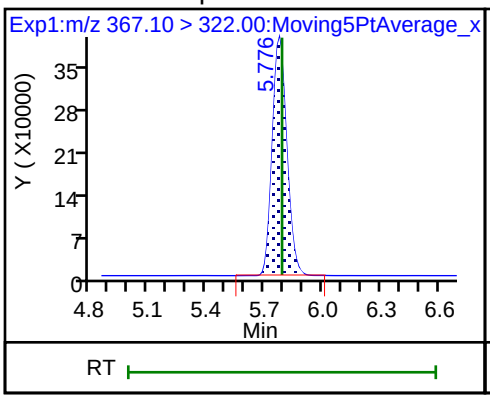
26 PFHpA



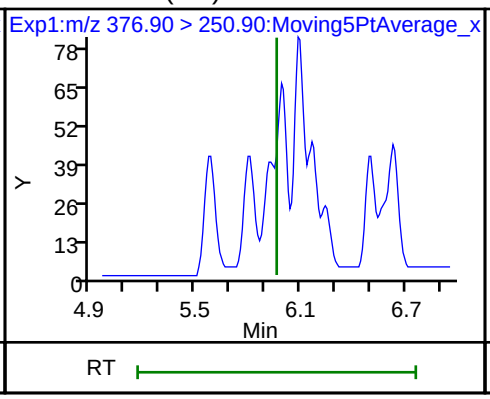
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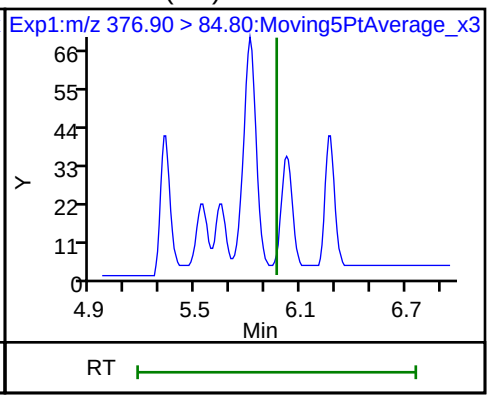
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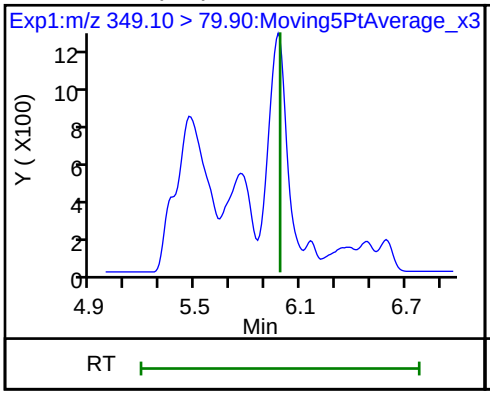
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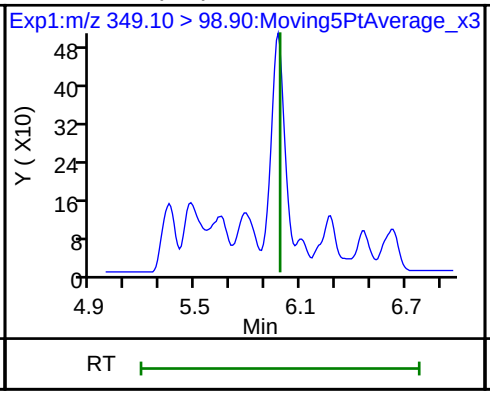
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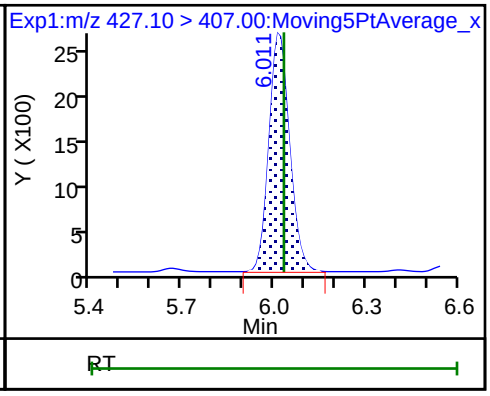
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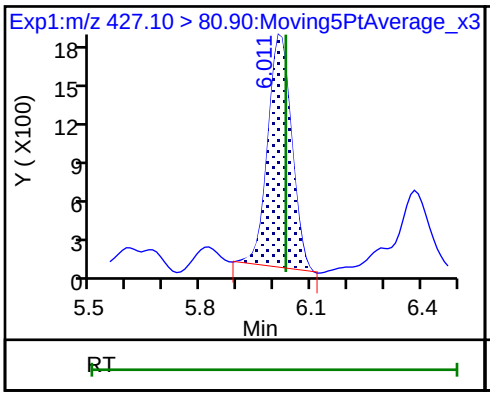
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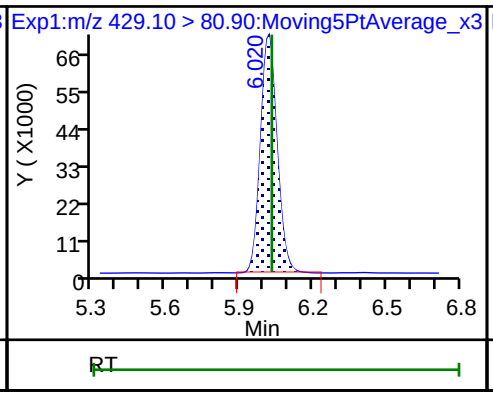
30 6:2FTS



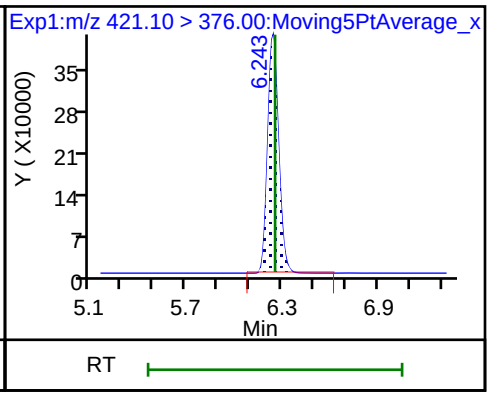
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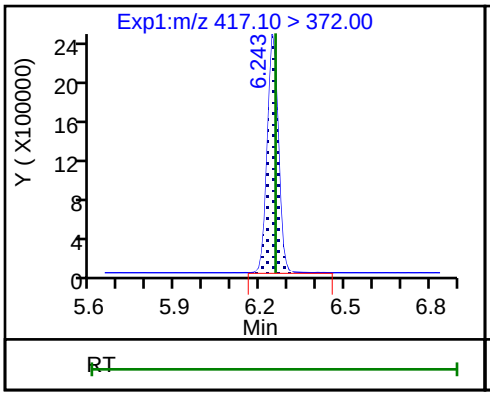
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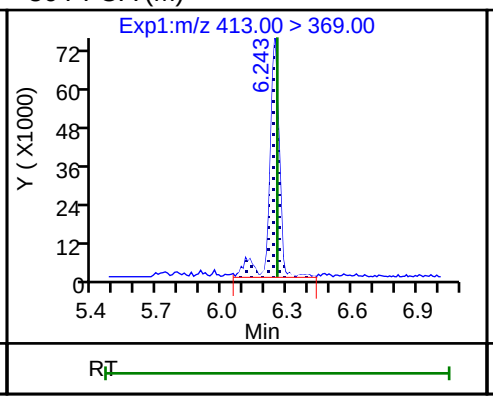
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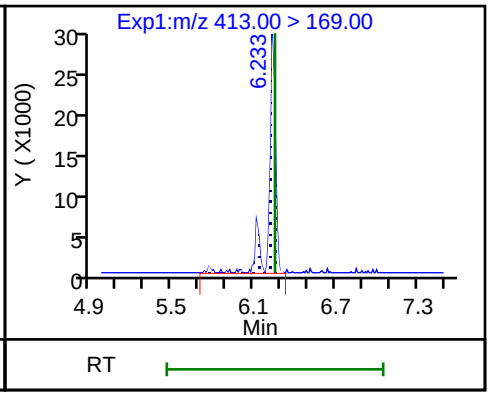
* 35 13C4 PFOA



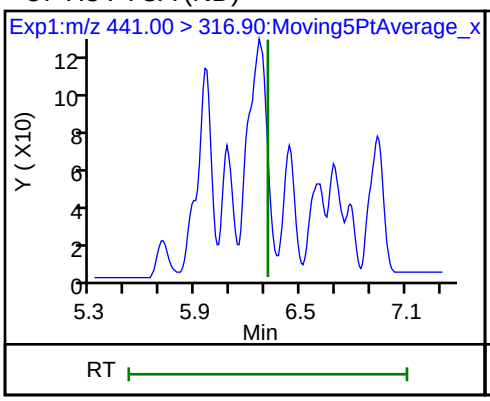
36 PFOA (M)



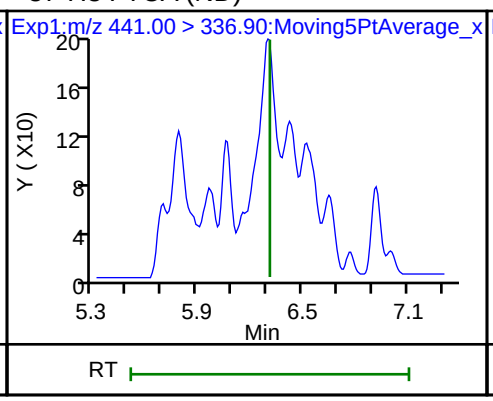
36 PFOA



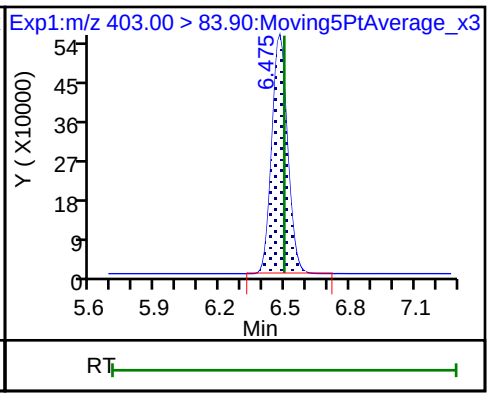
37 7:3 FTCA (ND)



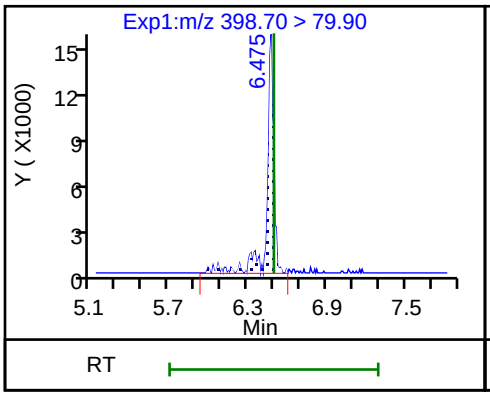
37 7:3 FTCA (ND)



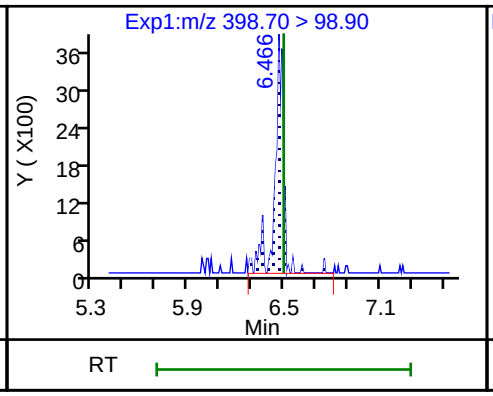
* 38 18O2 PFHxS



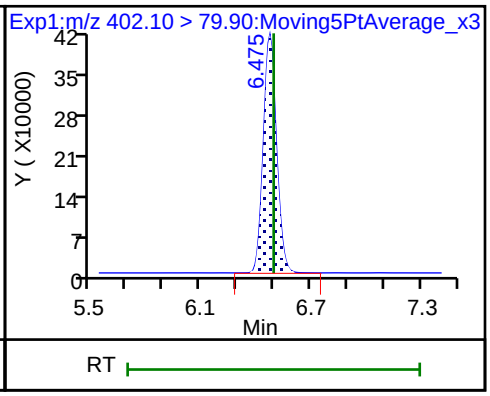
40 PFHxS



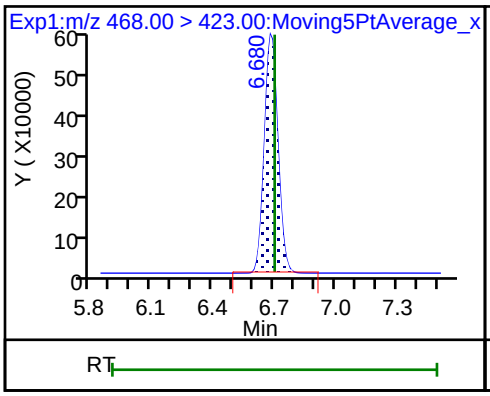
40 PFHxS



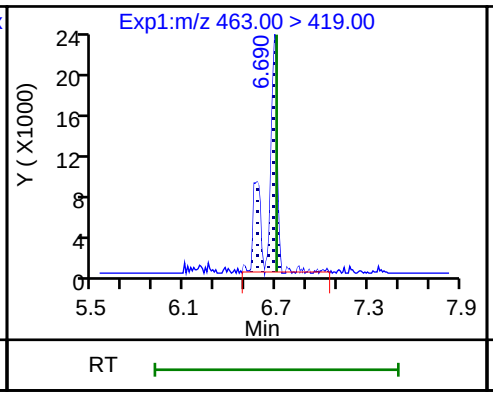
D 39 13C3 PFHxS



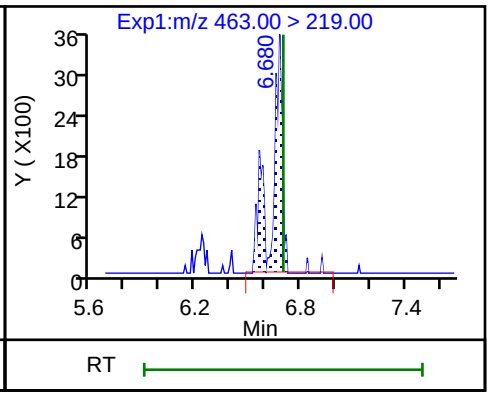
* 43 13C5 PFNA



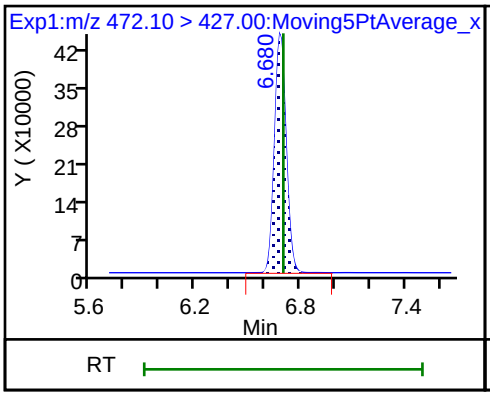
42 PFNA



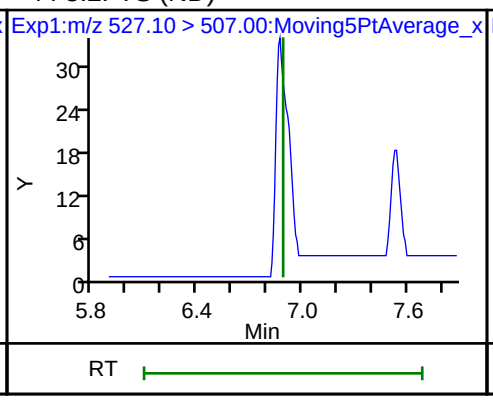
42 PFNA



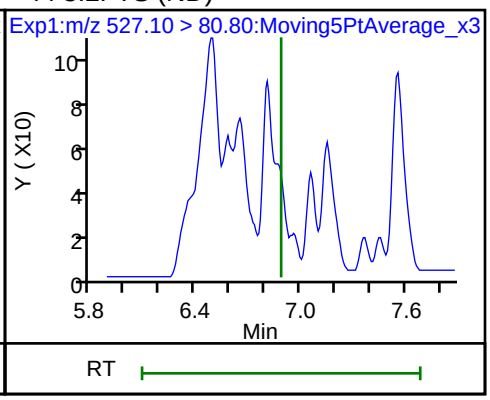
D 41 13C9 PFNA



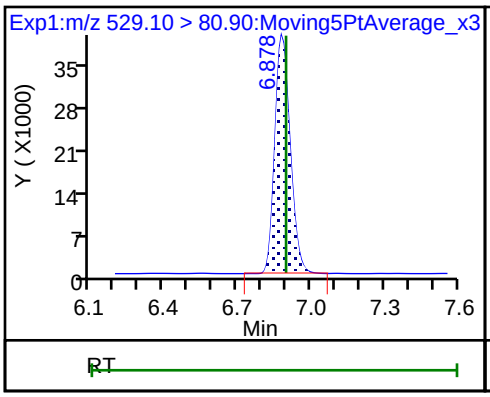
44 8:2FTS (ND)



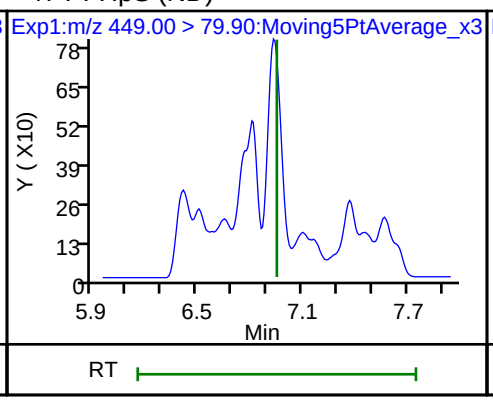
44 8:2FTS (ND)



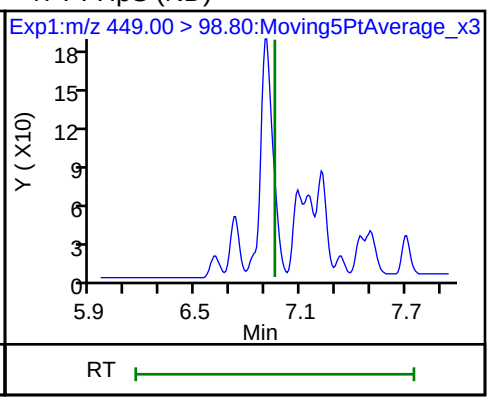
D 45 13C2-8:2FTS



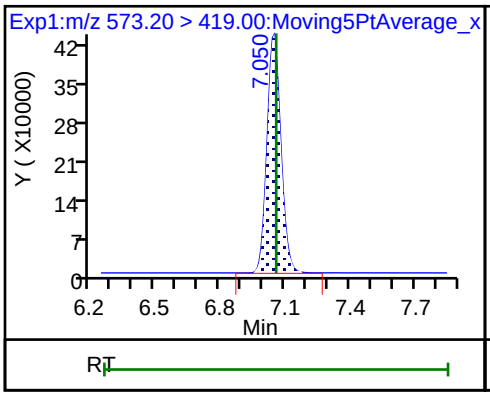
47 PFHpS (ND)



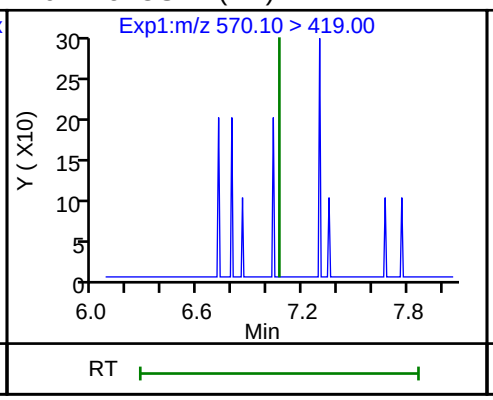
47 PFHpS (ND)



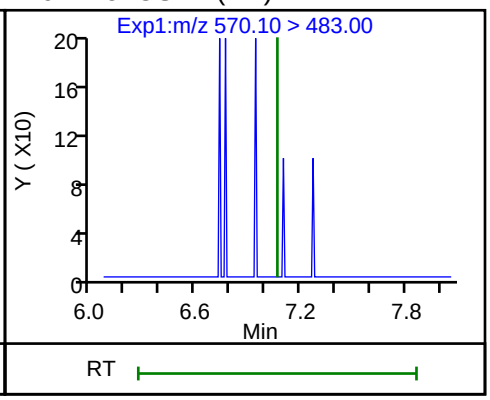
D 50 d3-NMeFOSAA



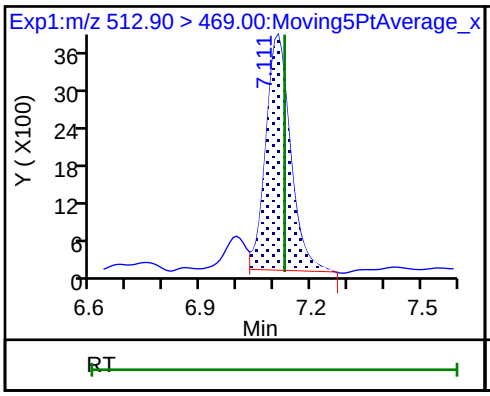
49 NMeFOSAA (ND)



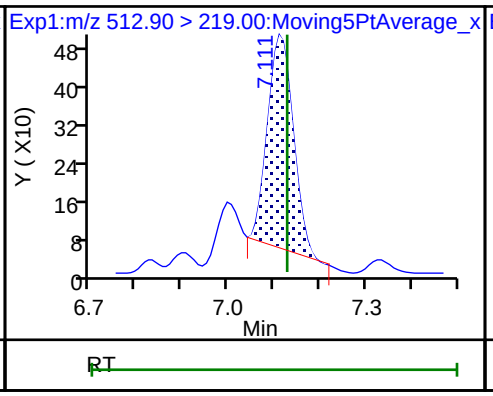
49 NMeFOSAA (ND)



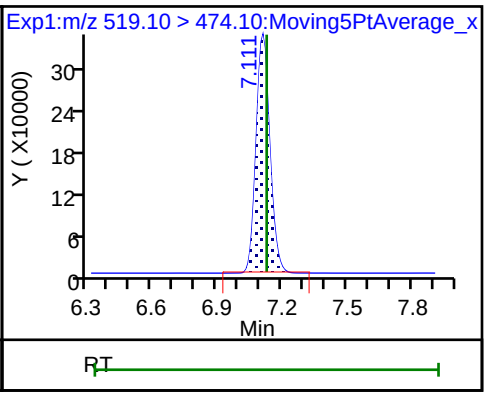
51 PFDA



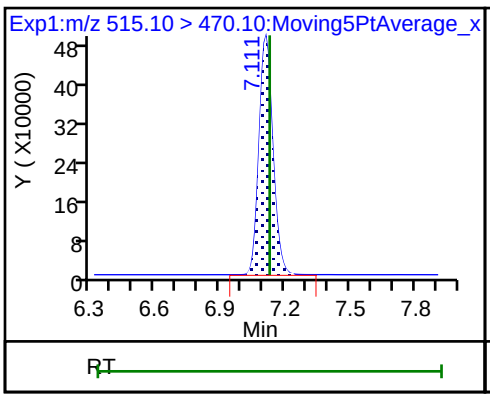
51 PFDA



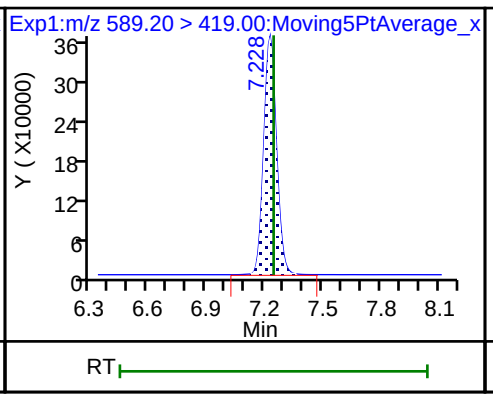
D 53 13C6 PFDA



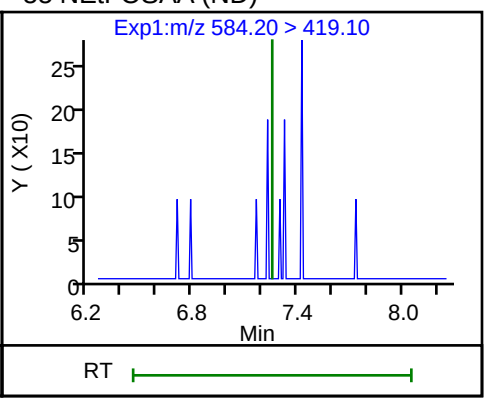
* 52 13C2 PFDA



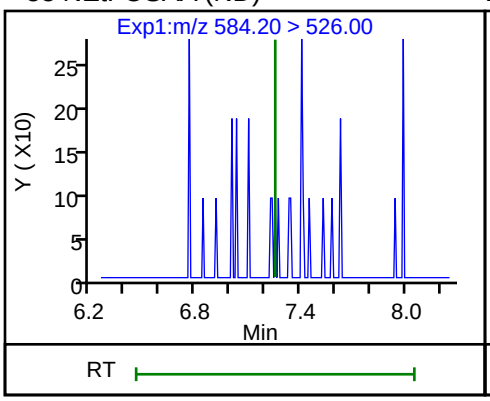
D 54 d5-NEtFOSAA



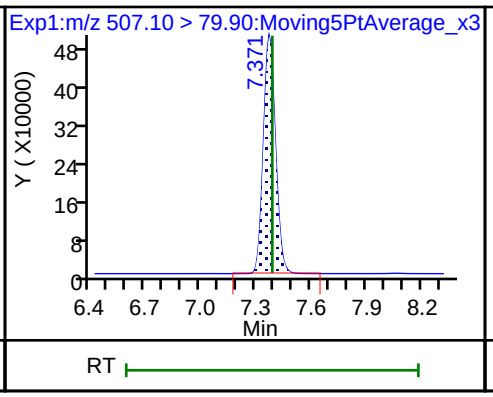
55 NEtFOSAA (ND)



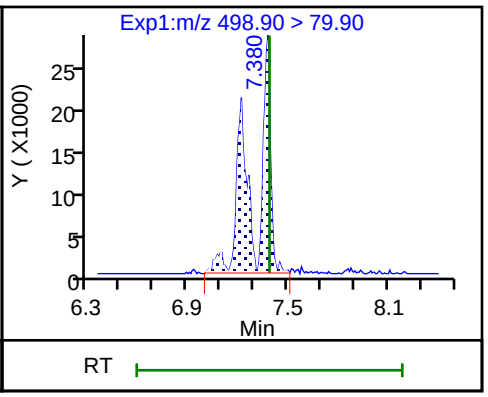
55 NEtFOSAA (ND)



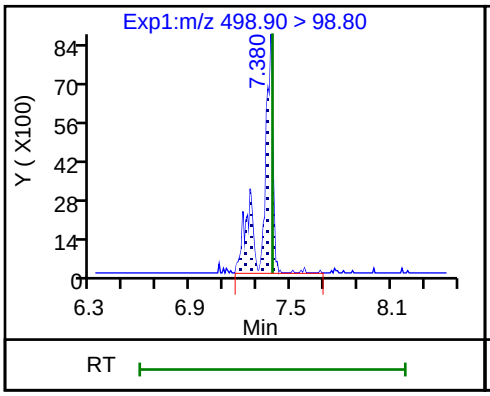
D 56 13C8 PFOS



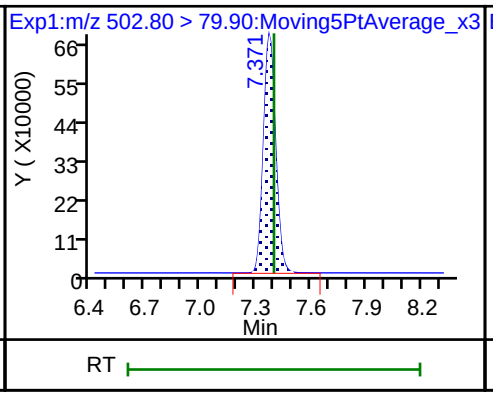
58 PFOS



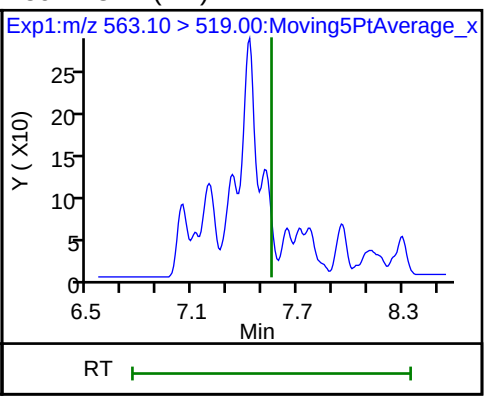
58 PFOS



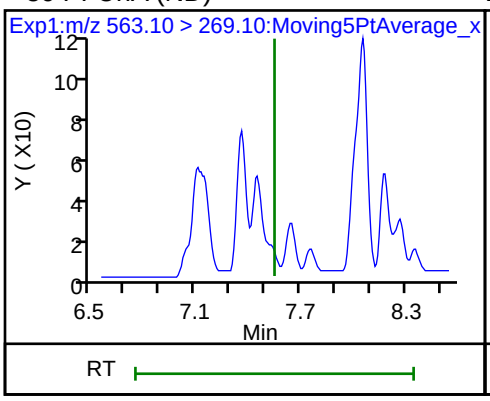
* 57 13C4 PFOS



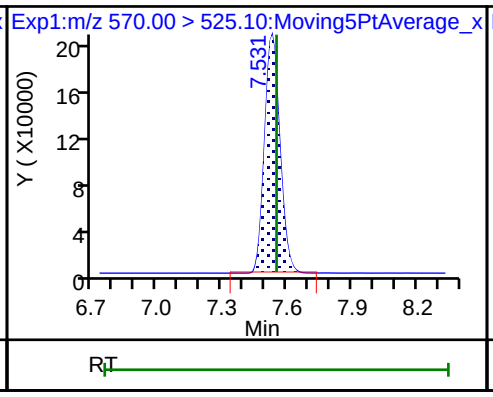
59 PFUnA (ND)



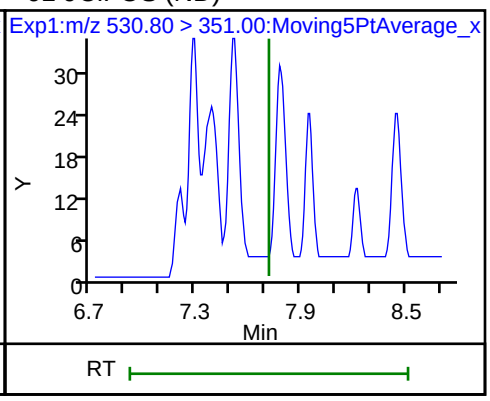
59 PFUnA (ND)



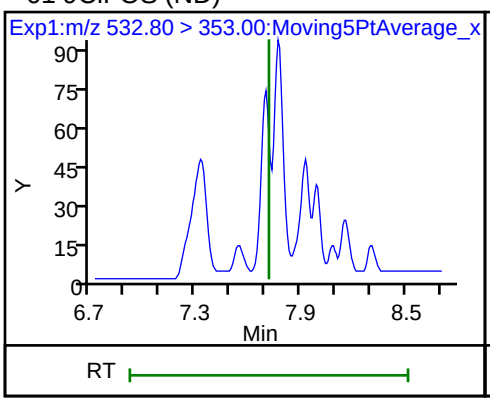
D 60 13C7 PFUnA



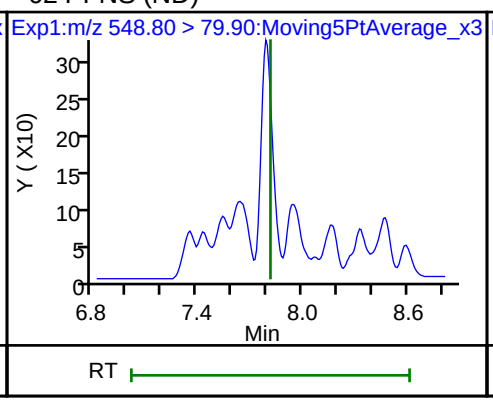
61 9ClFOS (ND)



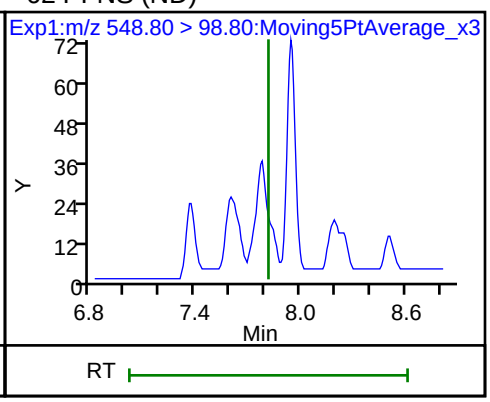
61 9ClFOS (ND)



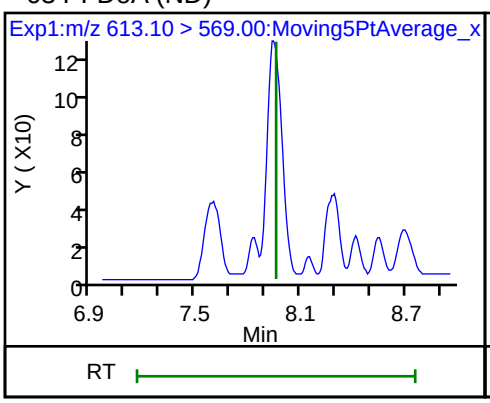
62 PFNS (ND)



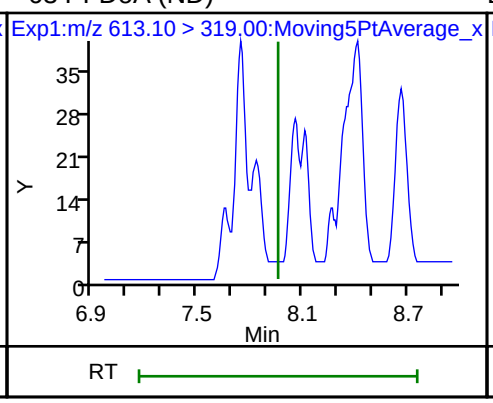
62 PFNS (ND)



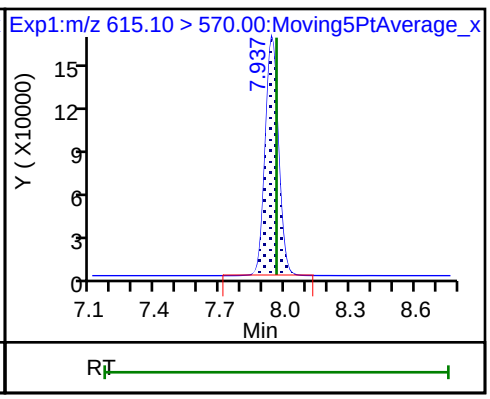
63 PFDoA (ND)



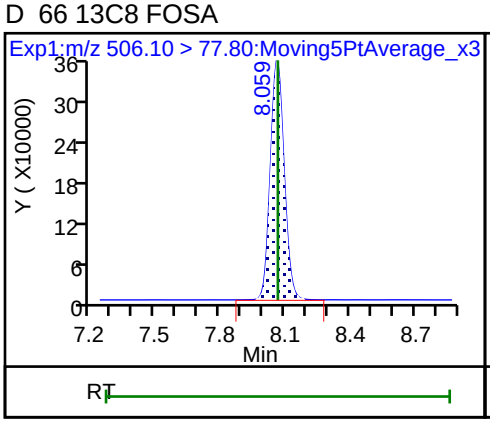
63 PFDoA (ND)



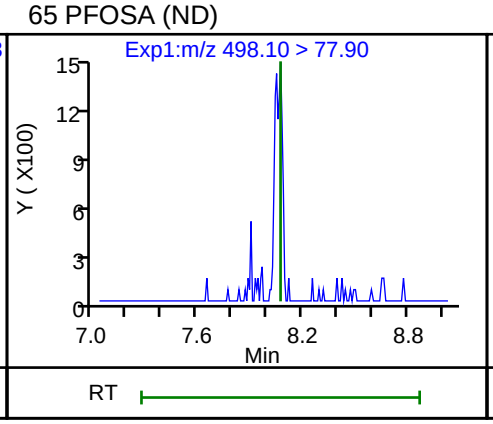
D 64 PFDoA



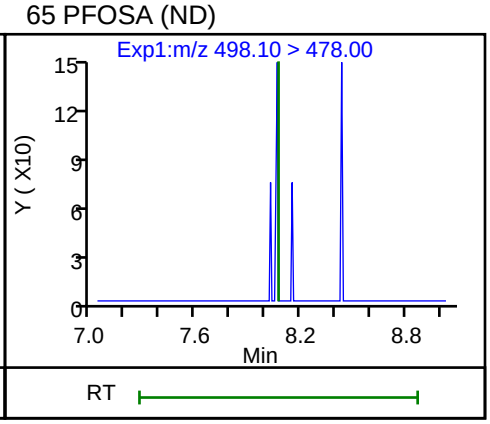
D 66 13C8 FOSA



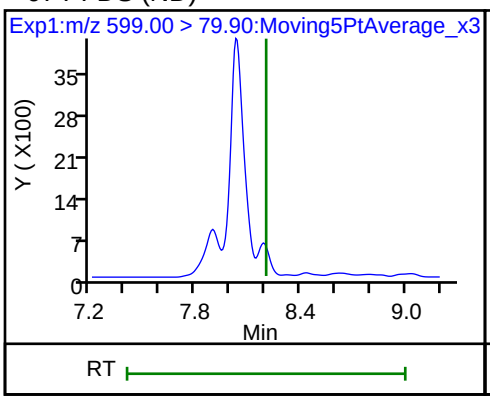
65 PFOSA (ND)



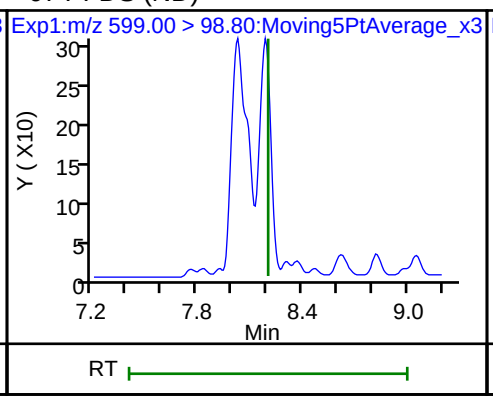
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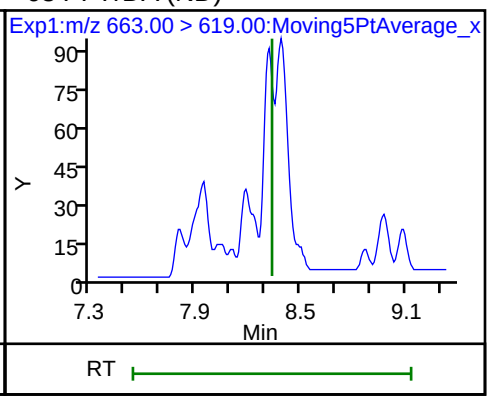
67 PFDS (ND)



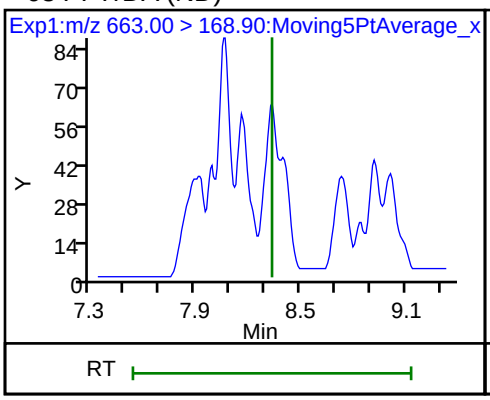
67 PFDS (ND)



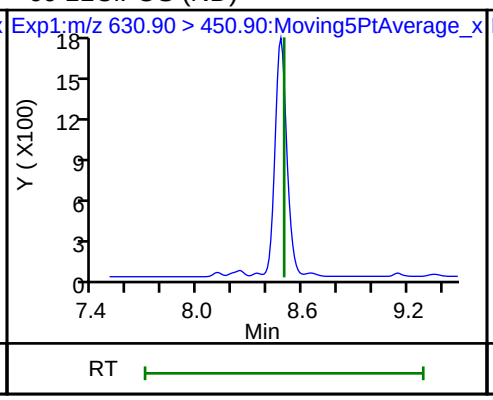
68 PFTrDA (ND)



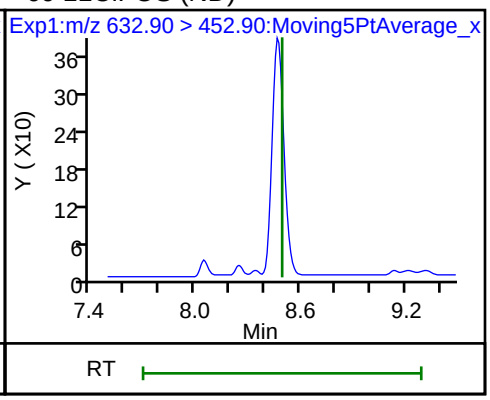
68 PFTrDA (ND)



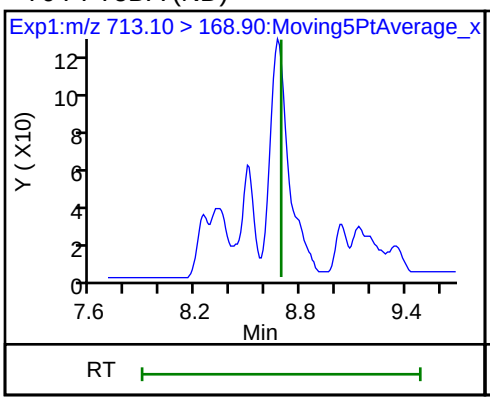
69 11ClFOS (ND)



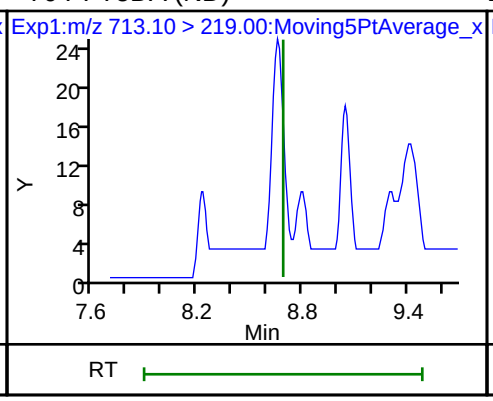
69 11ClFOS (ND)



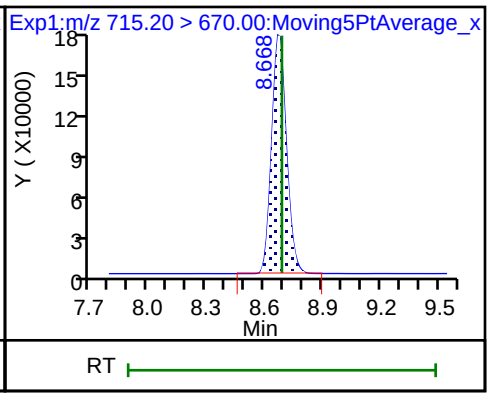
70 PFTeDA (ND)



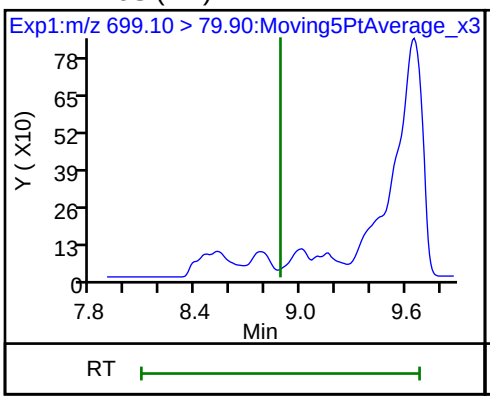
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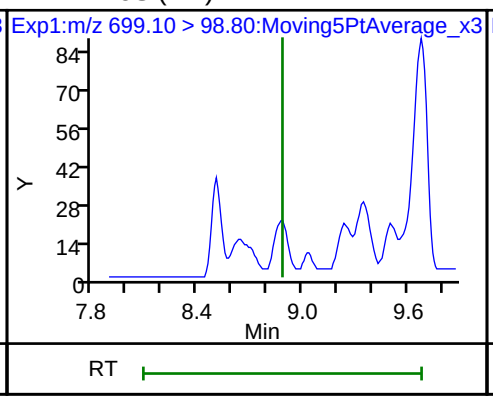
D 71 13C2 PFTeDA



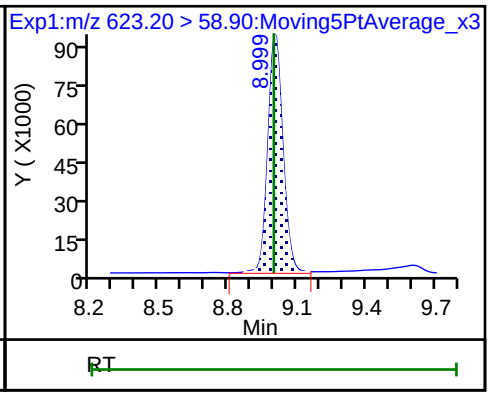
72 PFDoS (ND)



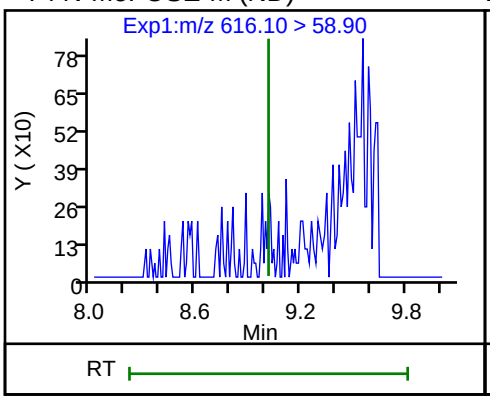
72 PFDoS (ND)



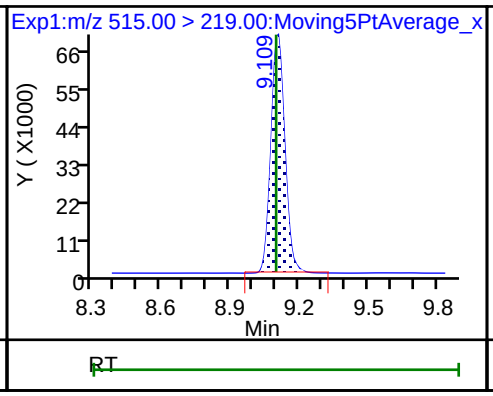
D 73 d7-N-Me-FOSE



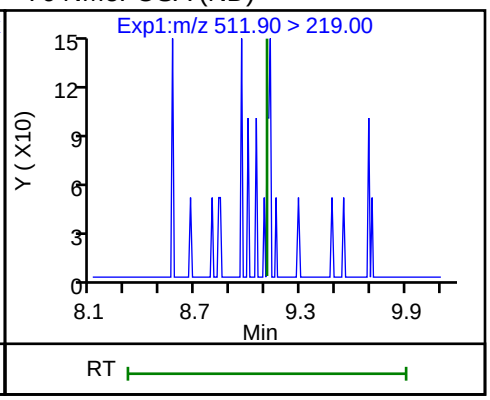
74 N-MeFOSE-M (ND)



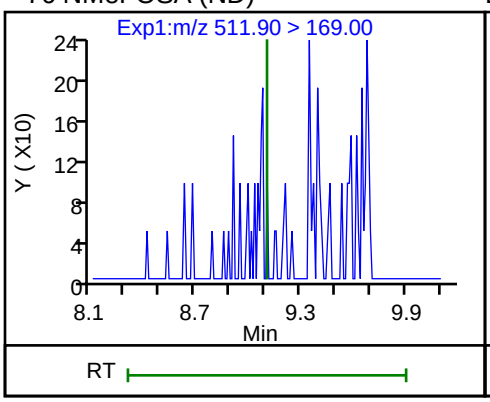
D 75 d3-NMePFOSA



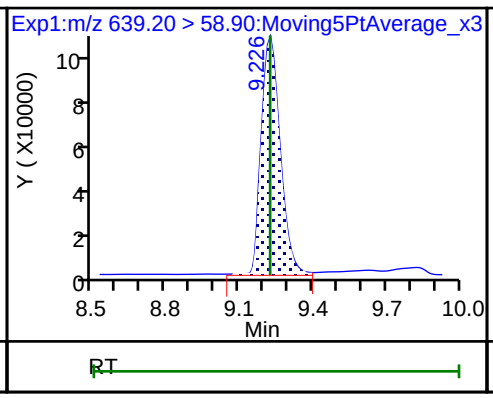
76 NMeFOSA (ND)



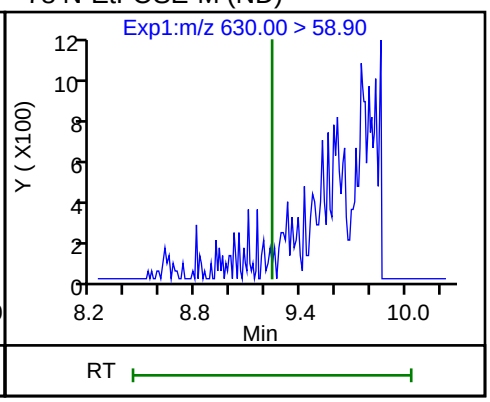
76 NMeFOSA (ND)



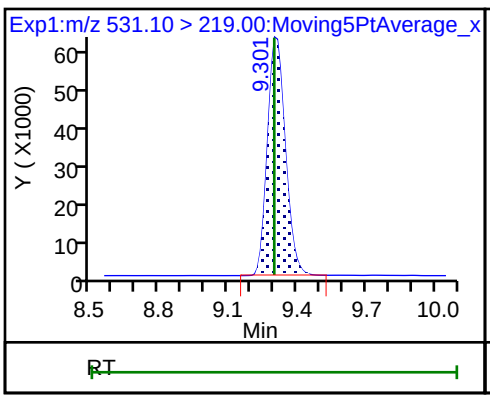
D 77 d9-N-EtFOSE



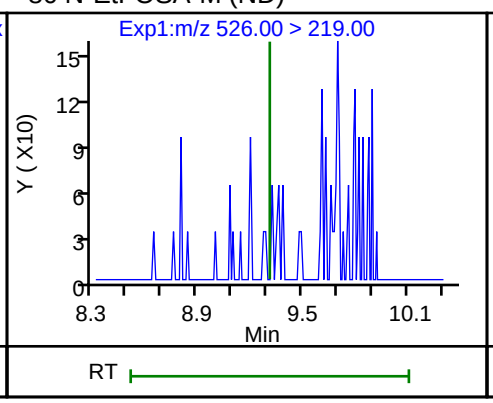
78 N-EtFOSE-M (ND)



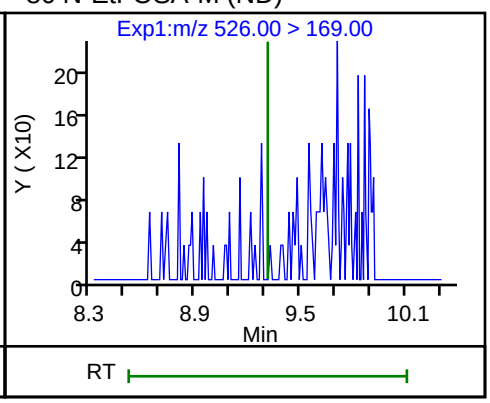
D 79 d5-NEtPFOSA



80 N-EtFOSA-M (ND)



80 N-EtFOSA-M (ND)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

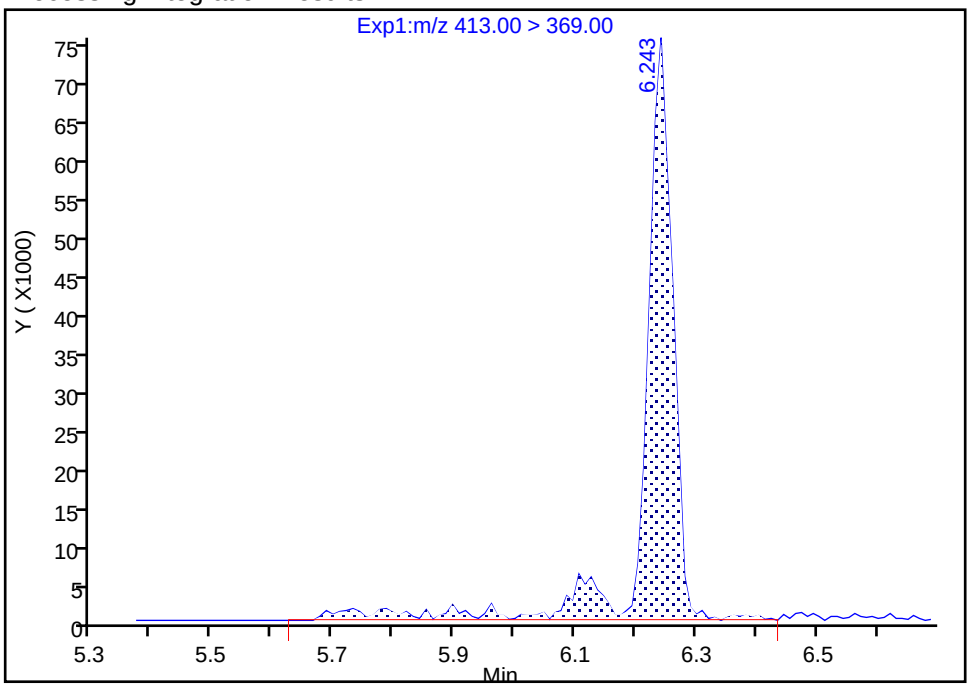
Data File:	\\chromfs\Lancaster\ChromData\29347\20250305-139917.b\25MAR05W-81.d				
Injection Date:	06-Mar-2025 06:59:08	Instrument ID:	29347		
Lims ID:	410-209941-A-1-B	Lab Sample ID:	410-209941-1		
Client ID:	MW-01-021325				
Operator ID:	US19_USR_INS00012E	ALS Bottle#:	37	Worklist Smp#:	143
Injection Vol:	7.0 ul	Dil. Factor:	1.0000		
Method:	29347_1633Final	Limit Group:	LC - 1633 LVI- ICAL		
Column:		Detector	EXP1		

36 PFOA, CAS: 335-67-1

Signal: 1

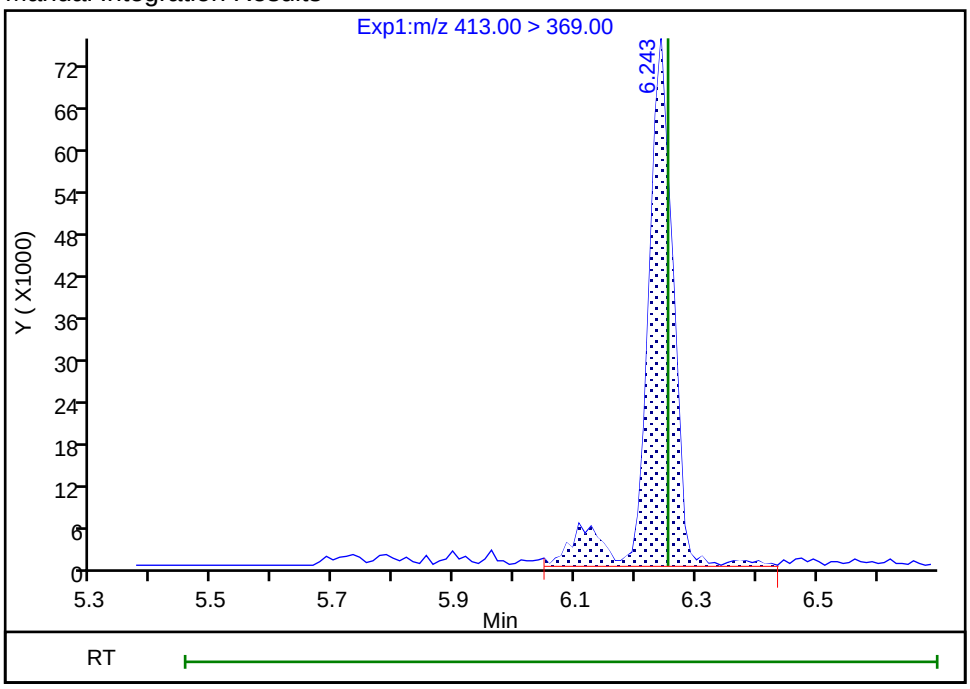
Processing Integration Results

RT: 6.24
Area: 246232
Amount: 0.270736
Amount Units: ng/ml



Manual Integration Results

RT: 6.24
Area: 226083
Amount: 0.247715
Amount Units: ng/ml



Reviewer: JU9U, 06-Mar-2025 15:53:16 -05:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: MW-04-021325
Lab Sample ID: 410-209941-2

Matrix: Water
Lab File ID: 25MAR05W-82.d

Analysis Method: 1633
Date Collected: 02/13/2025 10:55

Extraction Method: 1633
Date Extracted: 03/05/2025 07:58

Sample wt/vol: 135.5(mL)
Date Analyzed: 03/06/2025 07:13

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture:
% Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613042
Units: ng/L

Preparation Batch No.: 613015
Instrument ID: 29347

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	7.9		3.7	1.0
2706-90-3	Perfluoropentanoic acid	15		1.8	0.55
307-24-4	Perfluorohexanoic acid	11		1.8	0.46
375-85-9	Perfluoroheptanoic acid	3.8		1.8	0.74
335-67-1	Perfluorooctanoic acid	7.9		1.8	0.83
375-95-1	Perfluorononanoic acid	1.6	J	1.8	0.46
335-76-2	Perfluorodecanoic acid	ND		1.8	0.46
2058-94-8	Perfluoroundecanoic acid	ND		1.8	0.46
307-55-1	Perfluorododecanoic acid	ND		1.8	0.46
72629-94-8	Perfluorotridecanoic acid	ND		1.8	0.46
376-06-7	Perfluorotetradecanoic acid	ND		1.8	0.46
375-73-5	Perfluorobutanesulfonic acid	7.7		1.8	0.46
2706-91-4	Perfluoropentanesulfonic acid	ND		1.8	0.46
355-46-4	Perfluorohexanesulfonic acid	1.1	J	1.8	0.74
375-92-8	Perfluoroheptanesulfonic acid	ND		1.8	0.46
1763-23-1	Perfluorooctanesulfonic acid	2.5	I cn	1.8	0.46
68259-12-1	Perfluorononanesulfonic acid	ND		1.8	0.46
335-77-3	Perfluorodecanesulfonic acid	ND		1.8	0.46
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.55
757124-72-4	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		3.7	0.92
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		3.7	0.92
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		3.7	0.92
754-91-6	Perfluorooctanesulfonamide	ND		1.8	0.46
31506-32-8	NMeFOSA	ND		1.8	0.46
4151-50-2	N-ethylperfluoro-1-octanesulfonamide	ND		1.8	0.46
2355-31-9	NMeFOSAA	ND		1.8	0.46
2991-50-6	NEtFOSAA	ND		1.8	0.46

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: MW-04-021325
Lab Sample ID: 410-209941-2

Matrix: Water
Lab File ID: 25MAR05W-82.d

Analysis Method: 1633
Date Collected: 02/13/2025 10:55

Extraction Method: 1633
Date Extracted: 03/05/2025 07:58

Sample wt/vol: 135.5(mL)
Date Analyzed: 03/06/2025 07:13

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613042
Units: ng/L

Preparation Batch No.: 613015
Instrument ID: 29347

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
24448-09-7	2-(N-methylperfluoro-1-octanesulfonamido) ethanol	3.9	J	9.2	2.3
1691-99-2	2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	4.0	J	9.2	2.3
13252-13-6	HFPO-DA	ND		1.8	0.69
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.46
377-73-1	Perfluoro-3-methoxypropanoic acid	ND		1.8	0.46
863090-89-5	Perfluoro(4-methoxybutanoic acid)	ND		1.8	0.46
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid	ND	cn	1.8	0.46
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND		1.8	0.46
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		1.8	0.46
113507-82-7	PFEESA	ND		1.8	0.46
356-02-5	3:3 FTCA	ND		3.7	0.92
914637-49-3	5:3 FTCA	ND		9.2	2.6
812-70-4	7:3 FTCA	ND		9.2	2.3

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: MW-04-021325
Lab Sample ID: 410-209941-2

Matrix: Water
Lab File ID: 25MAR05W-82.d

Analysis Method: 1633
Date Collected: 02/13/2025 10:55

Extraction Method: 1633
Date Extracted: 03/05/2025 07:58

Sample wt/vol: 135.5(mL)
Date Analyzed: 03/06/2025 07:13

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613042
Units: ng/L

Preparation Batch No.: 613015
Instrument ID: 29347

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	71.5		5-130
STL01893	13C5 PFPeA	72.3		40-130
STL02577	13C5 PFHxA	70.2		40-130
STL01892	13C4 PFHpA	77.7		40-130
STL01052	13C8 PFOA	68.6		40-130
STL02578	13C9 PFNA	70.4		40-130
STL02579	13C6 PFDA	62.7		40-130
STL02580	13C7 PFUnA	64.3		30-130
STL02116	13C2 PFTeDA	69.6		10-130
STL02337	13C3 PFBS	67.9		40-135
STL02581	13C3 PFHxS	68.8		40-130
STL01054	13C8 PFOS	69.5		40-130
STL01056	13C8 FOSA	50.9		40-130
STL02118	d3-NMeFOSAA	61.3		40-170
STL02117	d5-NEtFOSAA	68.8		25-135
STL02395	M2-4:2 FTS	60.3		40-200
STL02279	M2-6:2 FTS	66.1		40-200
STL02280	M2-8:2 FTS	56.5		40-300
STL02255	13C3 HFPO-DA	71.2		40-130
STL02277	d7-N-MeFOSE-M	54.7		10-130
STL02278	d9-N-EtFOSE-M	55.8		10-130
STL02704	d5-NEtPFOSA	50.5		10-130
STL02705	d3-NMePFOSA	48.7		10-130
STL00998	13C2 PFDoA	60.2		10-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\25MAR05W-82.d
Lims ID: 410-209941-A-2-B
Client ID: MW-04-021325
Sample Type: Client
Inject. Date: 06-Mar-2025 07:13:13 ALS Bottle#: 38 Worklist Smp#: 144
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: 410-209941-A-2-B
Misc. Info.: Plate: 1 Rack: 1 410-0139917-144
Operator ID: US19_USR_INS00012E Instrument ID: 29347

Method: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\29347_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 06-Mar-2025 18:01:56 Calib Date: 27-Feb-2025 16:49:35
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1676
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 4 13C4-PFBA										
216.80 > 171.90	4.096	4.116	-0.020	1.000	1885989	1.43		71.5	48072	
3 PFBA										
212.80 > 168.90	4.096	4.116	-0.020	1.000	196874	0.2149			70.9	
* 5 13C3PFBA										
216.00 > 172.00	4.096	4.116	-0.020		2301875	2.00			351	
8 PFPA										
263.00 > 219.00	4.698	4.711	-0.013	1.000	243095	0.4174			2106	
D 9 13C5 PFPeA										
268.30 > 223.00	4.698	4.711	-0.013	0.893	715884	1.45		72.3	27111	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.040	5.063	-0.023	0.779	379710	2.83		60.3	16151	
16 PFHxA										
313.00 > 269.00	5.260	5.272	-0.012	1.000	219382	0.3026	Target=13.05		3137	
313.00 > 118.90	5.260	5.272	-0.012	1.000	16220		13.53(6.53-19.58)		859	
D 17 13C5 PFHxA										
318.00 > 273.00	5.260	5.281	-0.021	1.000	1453800	1.40		70.2	61610	
* 15 13C2 PFHxA										
315.10 > 270.00	5.260	5.281	-0.021		4795895	5.00			102035	
19 PFBS										
298.70 > 79.90	5.393	5.418	-0.025	1.000	251673	0.2080	Target=3.09		8659	
298.70 > 98.80	5.393	5.418	-0.025	1.000	93129		2.70(1.55-4.64)		3948	
D 20 13C3 PFBS										
302.10 > 79.90	5.393	5.418	-0.025	0.834	2065955	1.27		67.9	58921	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.470	5.496	-0.026	1.040	949557	1.42		71.2	43911	
26 PFHpA										
363.10 > 319.00	5.766	5.790	-0.024	1.000	116507	0.1025	Target=3.46		513	
363.10 > 169.00	5.766	5.790	-0.024	1.000	33815		3.45(1.73-5.19)		1044	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 27 13C4 PFHpA										
367.10 > 322.00	5.766	5.790	-0.024	1.096	1967706	1.55		77.7	94641	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.011	6.031	-0.020	0.930	293201	3.14		66.1	15712	
D 34 13C8 PFOA										
421.10 > 376.00	6.233	6.254	-0.021	1.000	1852160	1.37		68.6	98046	
* 35 13C4 PFOA										
417.10 > 372.00	6.233	6.254	-0.021		6664208	5.00			392217	
36 PFOA										
413.00 > 369.00	6.233	6.254	-0.021	1.000	189319	0.2145	Target=2.10		11587	
413.00 > 169.00	6.233	6.254	-0.021	1.000	82017		2.31(1.05-3.15)		22303	
* 38 18O2 PFHxS										
403.00 > 83.90	6.466	6.496	-0.030		2849805	1.89			191961	
40 PFHxS										
398.70 > 79.90	6.466	6.496	-0.030	1.000	44929	0.0297	Target=2.96		11729	
398.70 > 98.90	6.466	6.496	-0.030	1.000	13526		3.32(1.48-4.44)		28.8	
D 39 13C3 PFHxS										
402.10 > 79.90	6.466	6.496	-0.030	1.000	1927365	1.30		68.8	77539	
* 43 13C5 PFNA										
468.00 > 423.00	6.681	6.701	-0.020		2822925	2.00			151089	
42 PFNA										
463.00 > 419.00	6.681	6.701	-0.020	1.000	48033	0.0442	Target=5.06		5485	
463.00 > 219.00	6.691	6.701	-0.010	1.001	7347		6.54(2.53-7.59)		1470	
D 41 13C9 PFNA										
472.10 > 427.00	6.681	6.701	-0.020	1.000	1943679	1.41		70.4	104820	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.872	6.898	-0.026	1.063	158751	2.71		56.5	12251	
D 50 d3-NMeFOSAA										
573.20 > 419.00	7.041	7.058	-0.017	0.955	1739289	3.07		61.3	98072	
D 53 13C6 PFDA										
519.10 > 474.10	7.102	7.128	-0.026	1.000	1382270	1.25		62.7	102092	
* 52 13C2 PFDA										
515.10 > 470.10	7.102	7.128	-0.026		2150217	2.00			119116	
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.219	7.246	-0.027	0.979	1677511	3.44		68.8	91452	
D 56 13C8 PFOS										
507.10 > 79.90	7.371	7.388	-0.017	1.000	1945328	1.33		69.5	46712	
58 PFOS										R
498.90 > 79.90	7.210	7.388	-0.178	0.978	90801	0.0669	Target=3.87		3529	R
498.90 > 98.80	7.371	7.388	-0.017	1.000	14283		6.36(1.93-5.80)		27.2	
* 57 13C4 PFOS										
502.80 > 79.90	7.371	7.398	-0.027		2977225	1.91			128892	
D 60 13C7 PFUnA										
570.00 > 525.10	7.531	7.551	-0.020	1.060	1009415	1.29		64.3	68012	
D 64 PFDoA										
615.10 > 570.00	7.937	7.960	-0.023	1.118	763429	1.20		60.2	59979	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 66 13C8 FOSA										
506.10 > 77.80	8.060	8.066	-0.006	1.094	1431145	1.02		50.9	64138	
D 71 13C2 PFTeDA										
715.20 > 670.00	8.671	8.689	-0.018	1.221	931612	1.39		69.6	44490	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.002	8.998	0.004	1.221	435360	2.74		54.7	3408	
74 N-MeFOSE-M										
616.10 > 58.90	9.635	9.016	0.619	1.070	10734	0.1065			16.2	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.103	9.099	0.004	1.235	302378	0.9743		48.7	24239	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.215	9.224	-0.009	1.250	555054	2.79		55.8	2259	
78 N-EtFOSE-M										
630.00 > 58.90	9.856	9.237	0.619	1.070	14148	0.1086			1107	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.303	9.299	0.004	1.262	350886	1.01		50.5	16452	

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Reagents:

1633_125_IS_V_00233 Amount Added: 50.00 Units: uL

Report Date: 06-Mar-2025 18:02:58 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\25MAR05W-82.d

Injection Date: 06-Mar-2025 07:13:13 Instrument ID: 29347

Lims ID: 410-209941-A-2-B Lab Sample ID: 410-209941-2

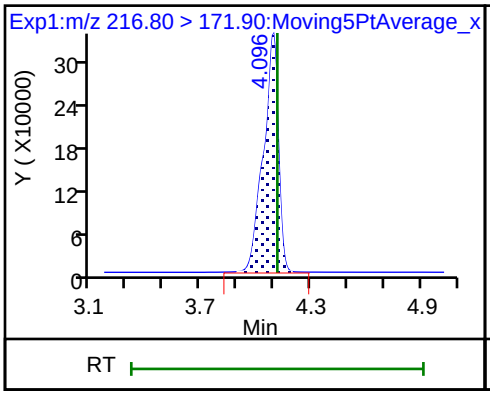
Client ID: MW-04-021325

Operator ID: US19_USR_INS00012E ALS Bottle#: 38 Worklist Smp#: 144

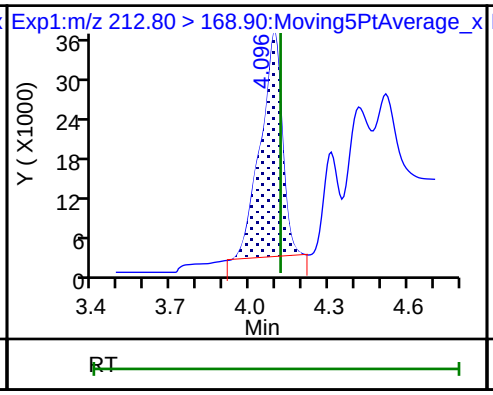
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Method: 29347_1633Final Limit Group: LC - 1633 LVI- ICAL

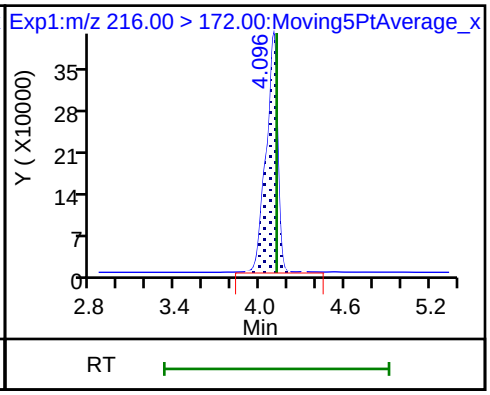
D 4 13C4-PFBA



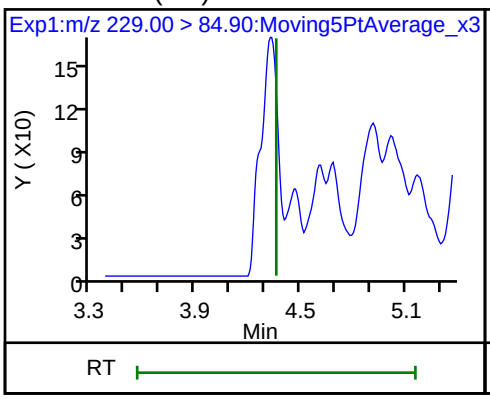
3 PFBA



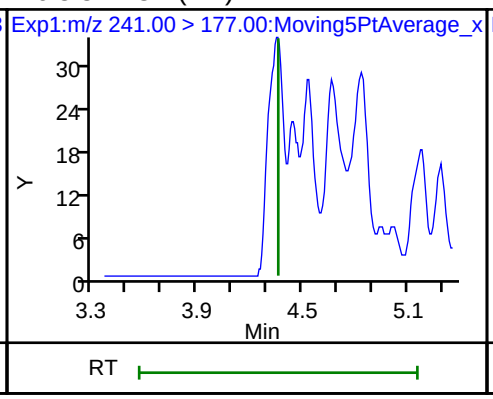
* 5 13C3PFBA



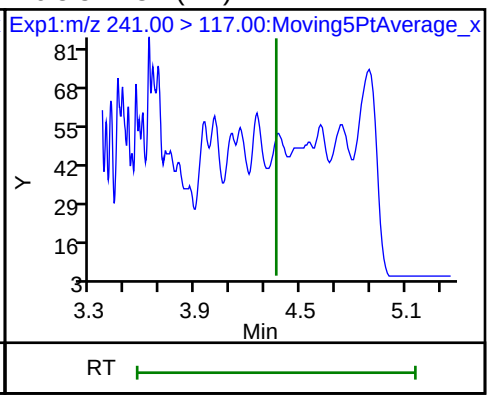
7 PFMPA (ND)



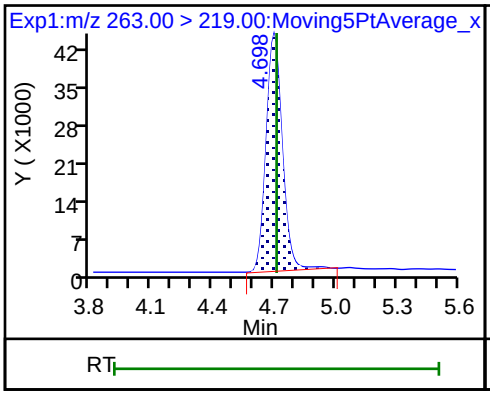
6 3:3 FTCA (ND)



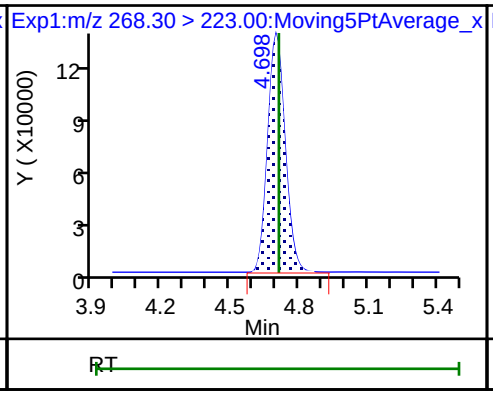
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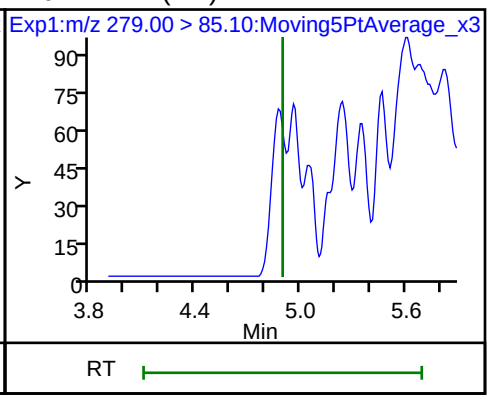
8 PFPA



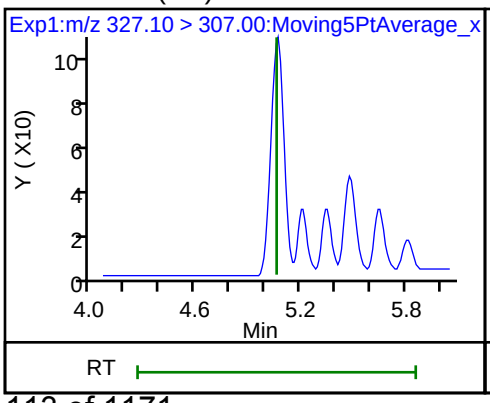
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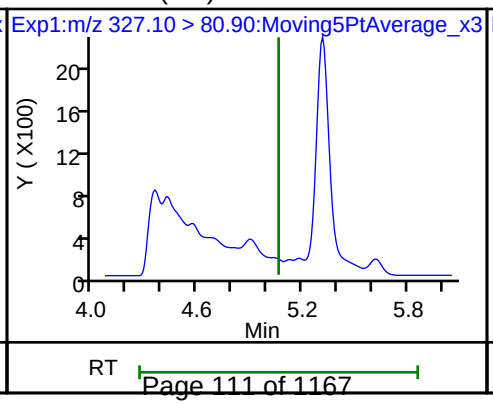
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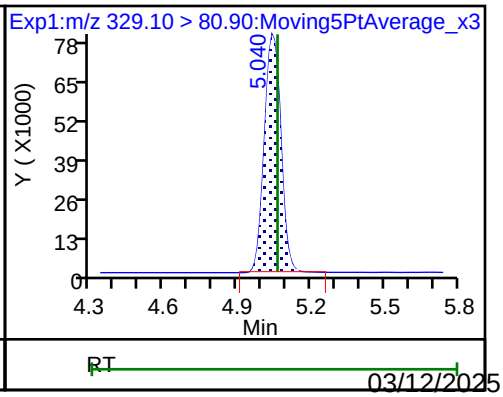
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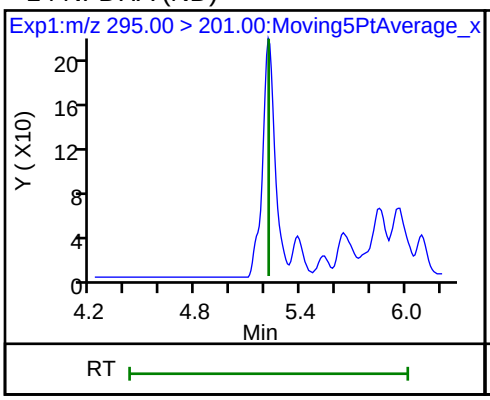
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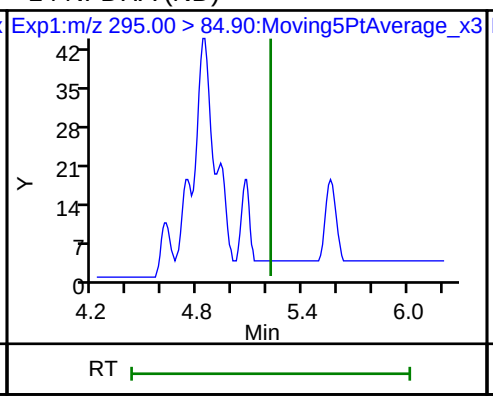
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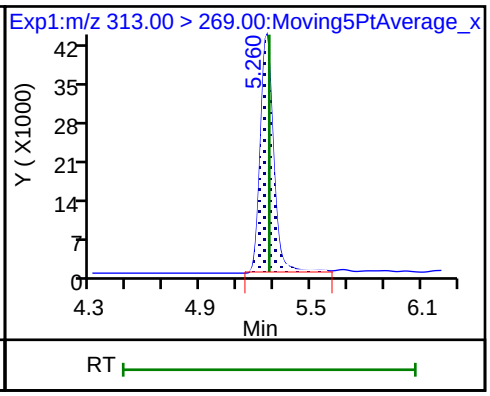
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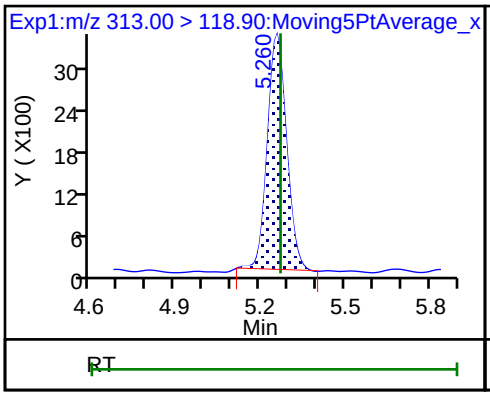
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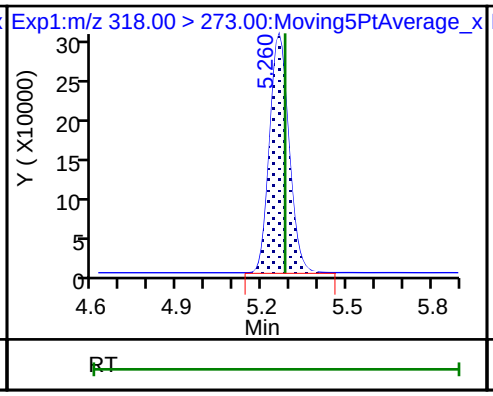
16 PFHxA



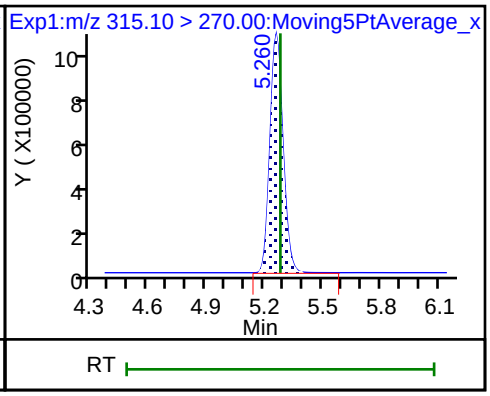
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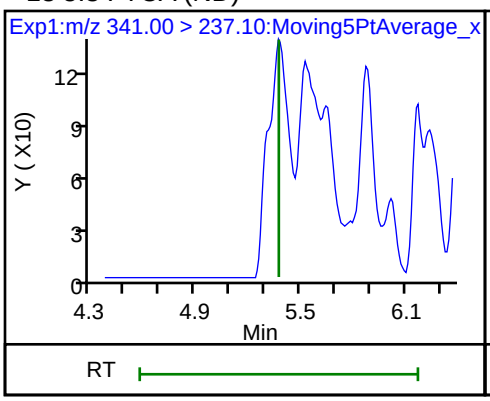
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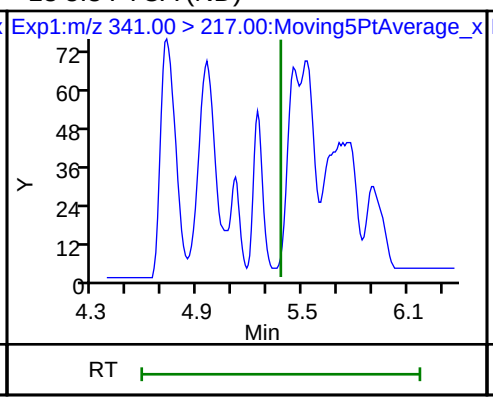
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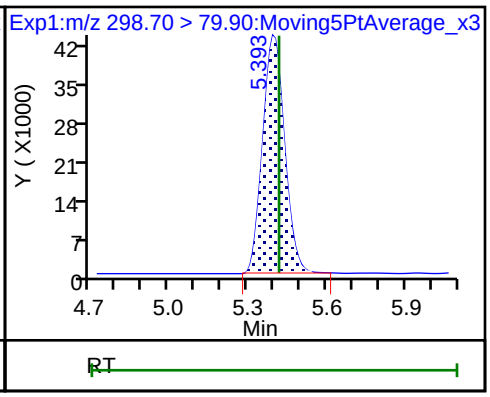
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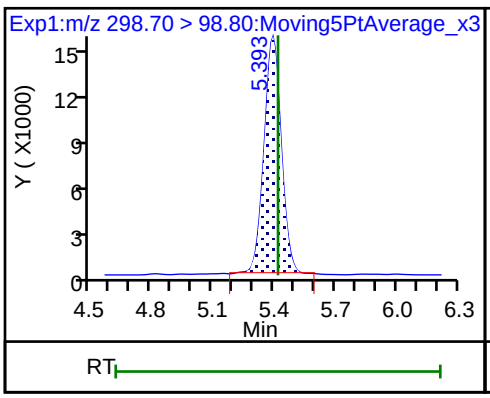
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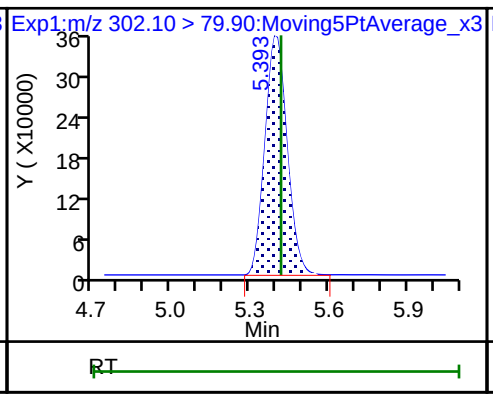
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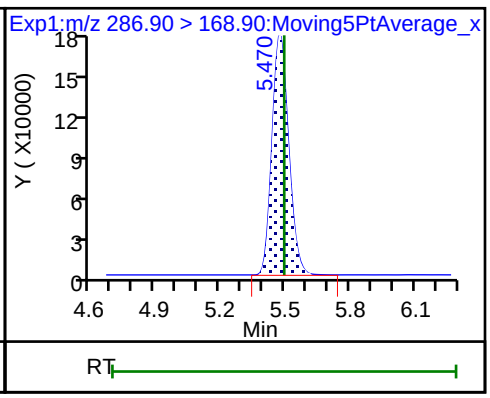
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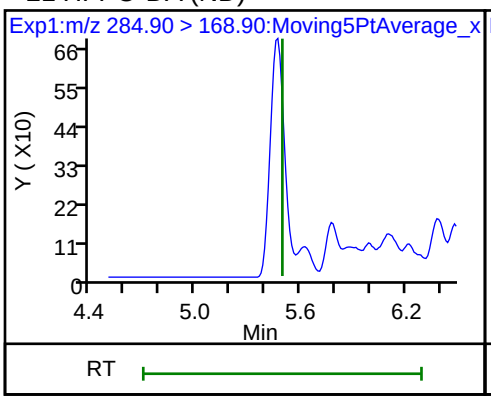
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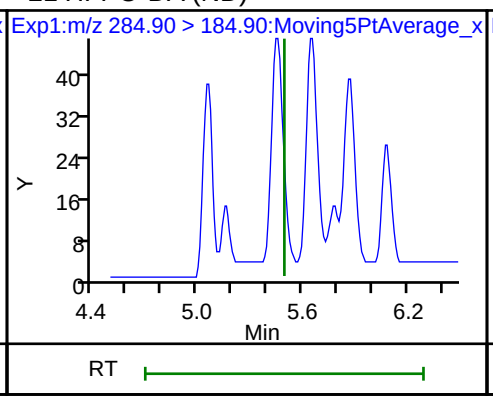
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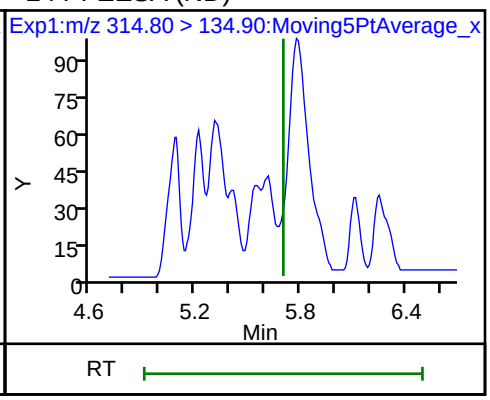
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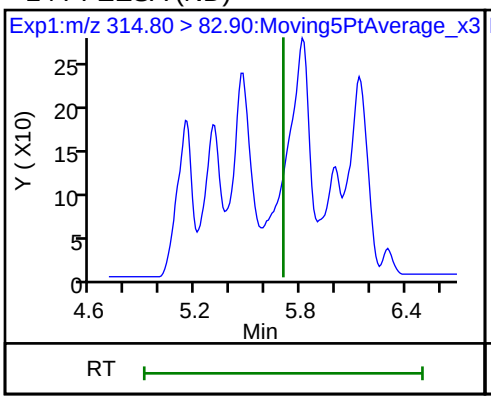
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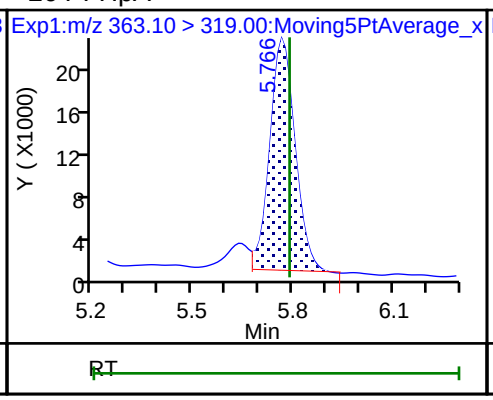
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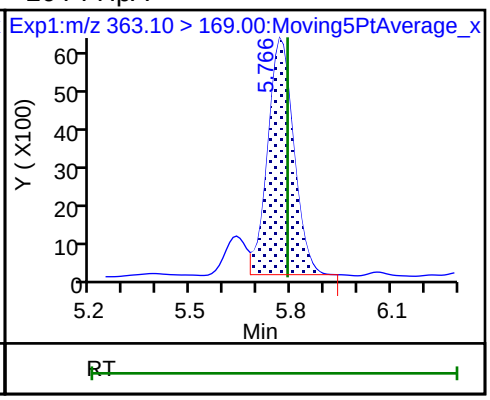
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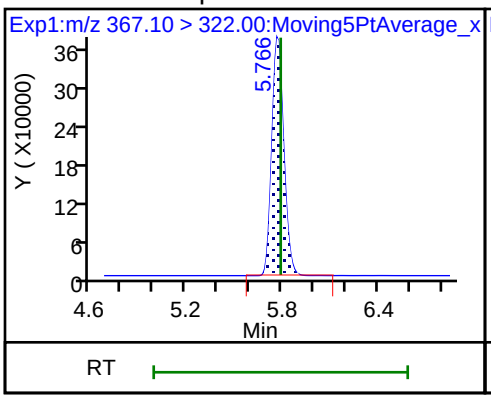
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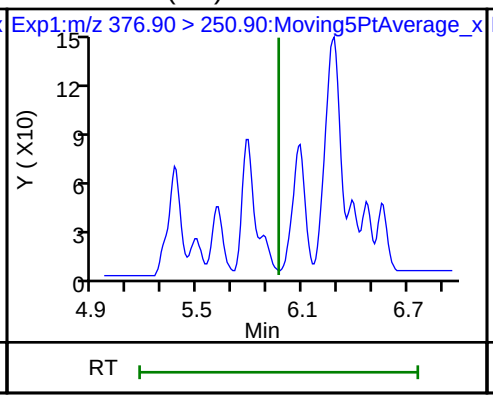
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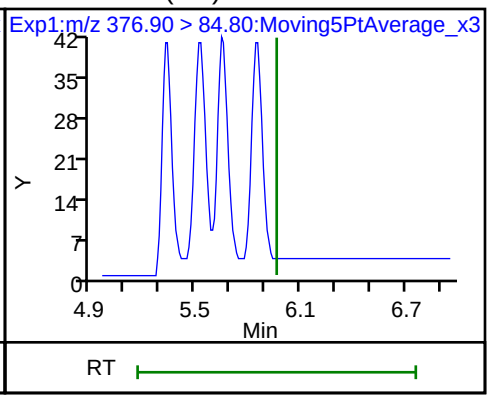
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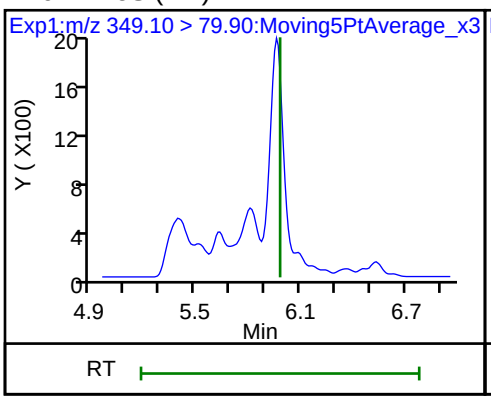
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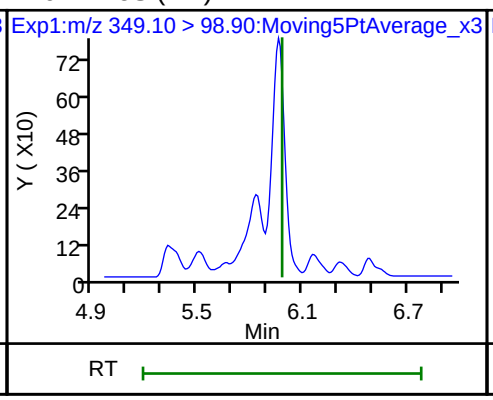
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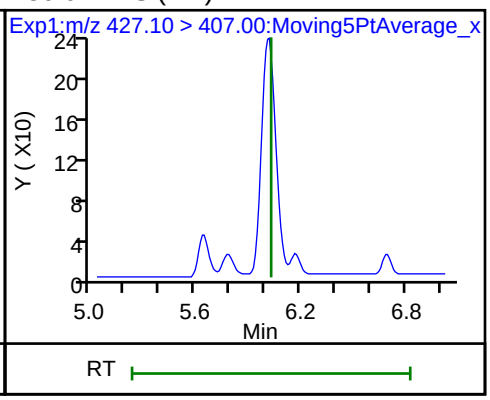
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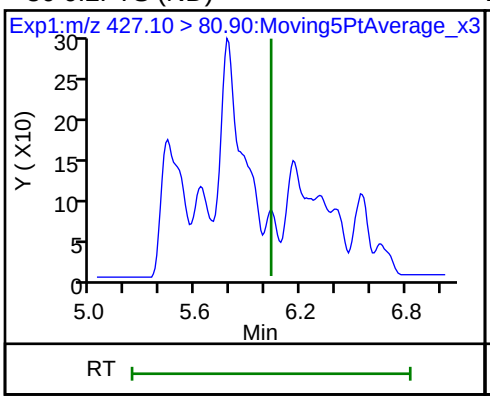
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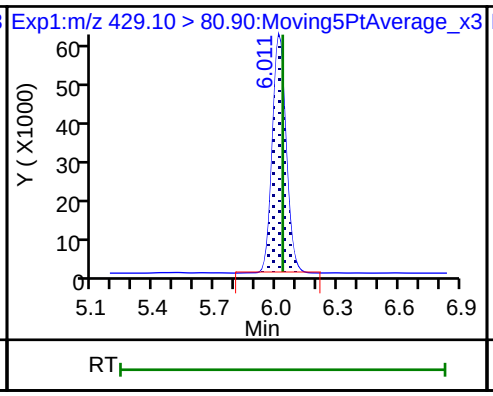
30 6:2FTS (ND)



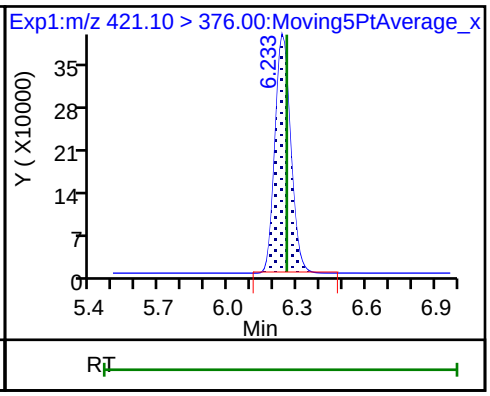
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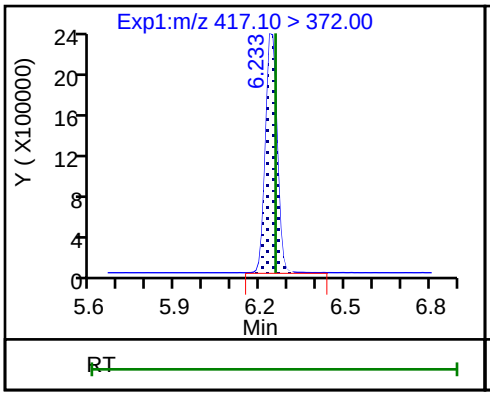
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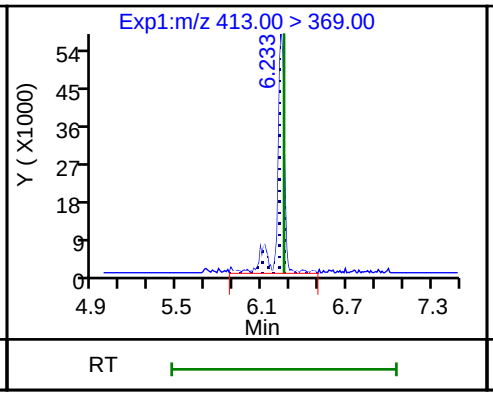
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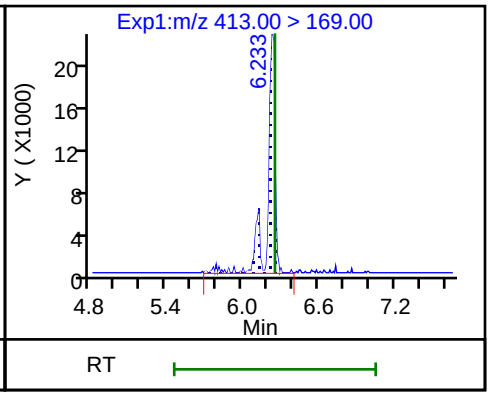
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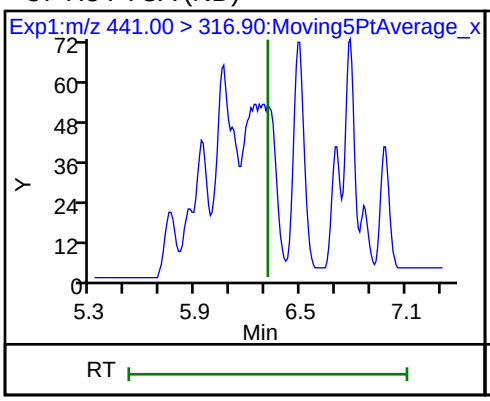
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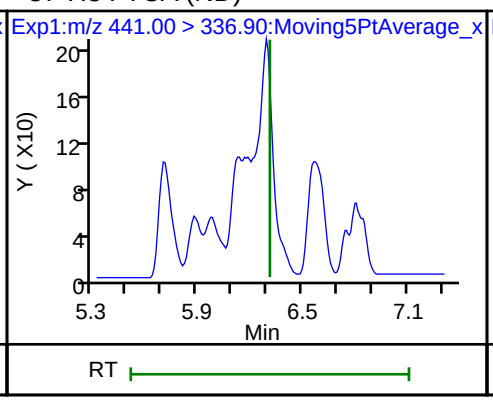
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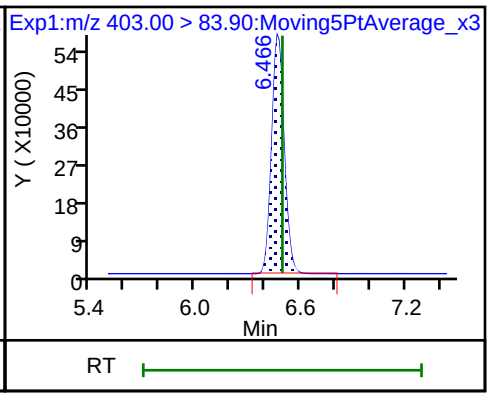
37 7:3 FTCA (ND)



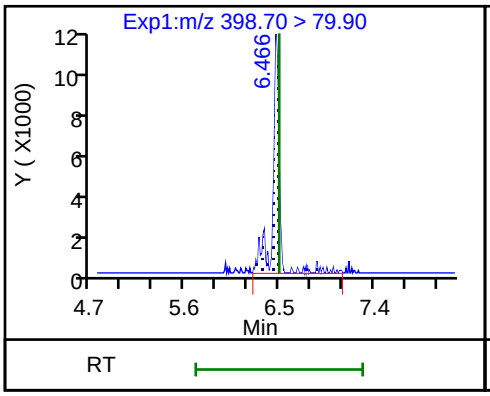
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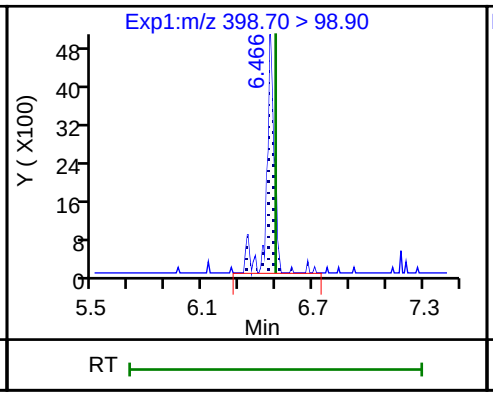
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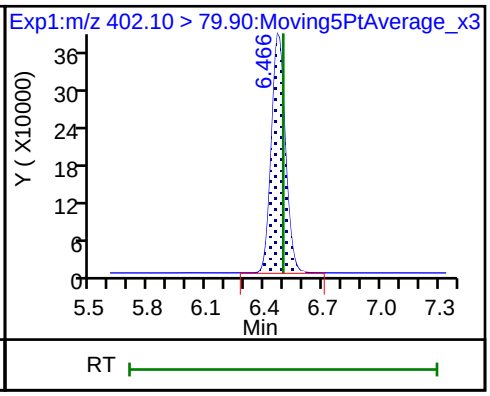
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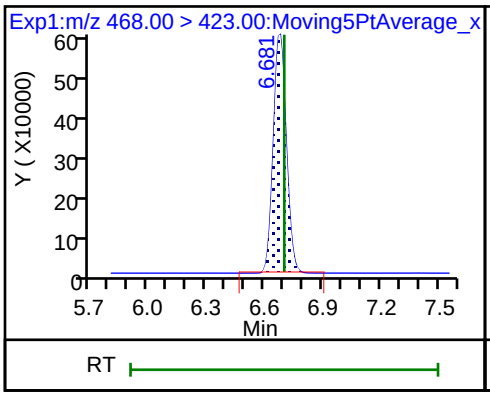
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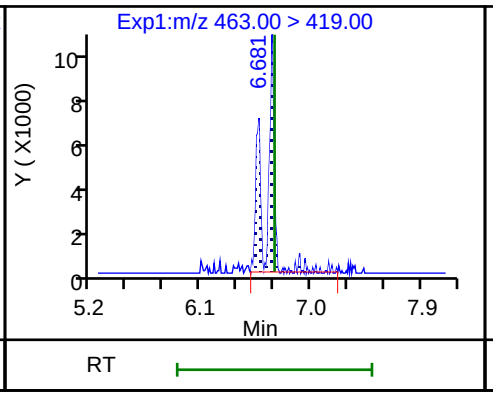
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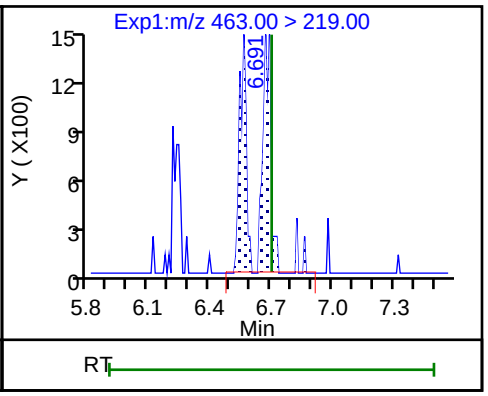
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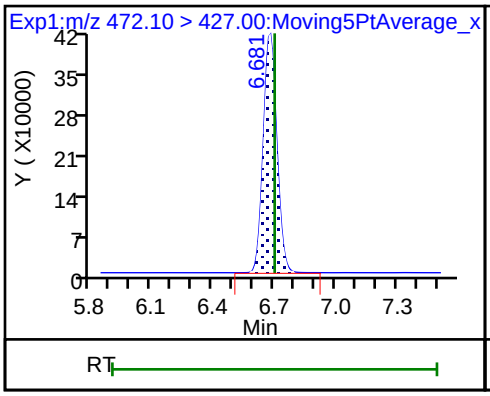
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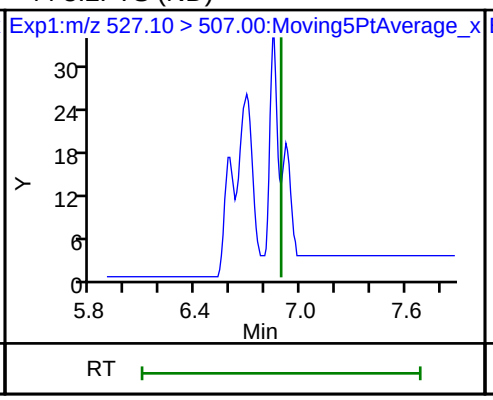
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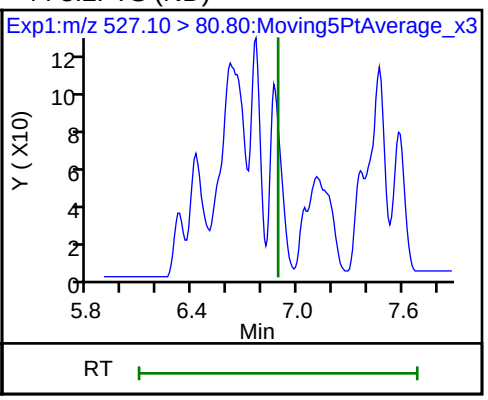
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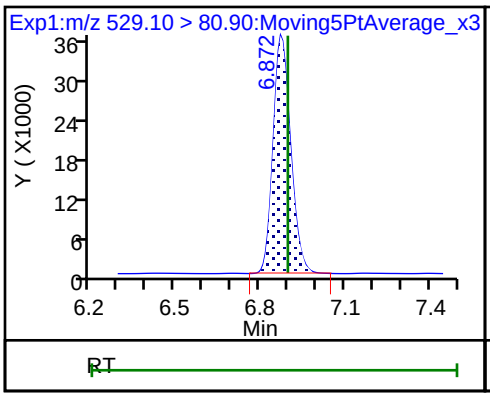
44 8:2FTS (ND)



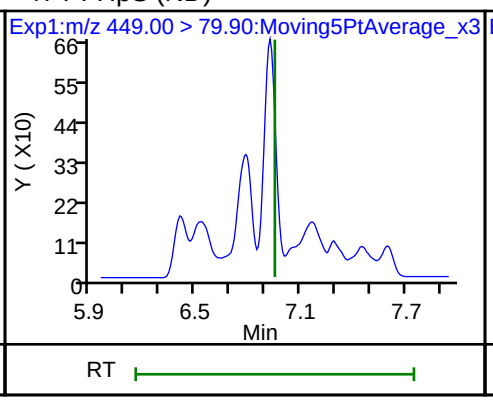
44 8:2FTS (ND)



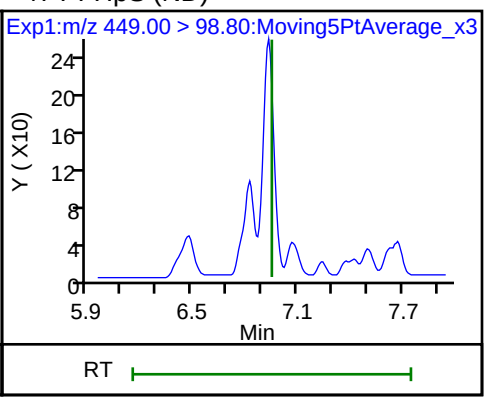
D 45 13C2-8:2FTS



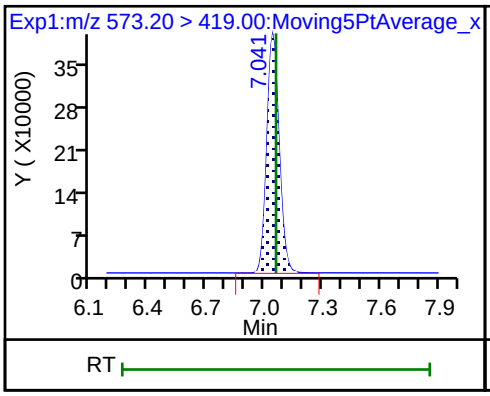
47 PFHpS (ND)



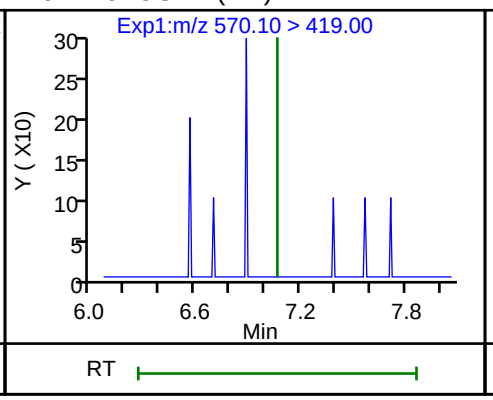
47 PFHpS (ND)



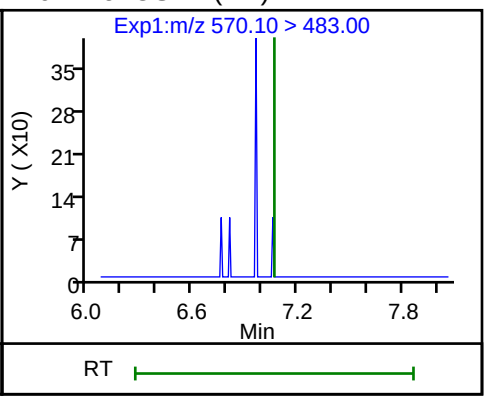
D 50 d3-NMeFOSAA



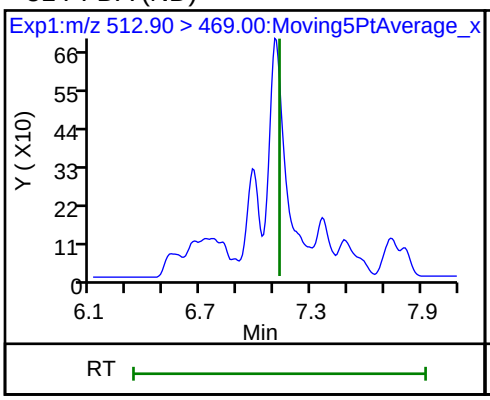
49 NMeFOSAA (ND)



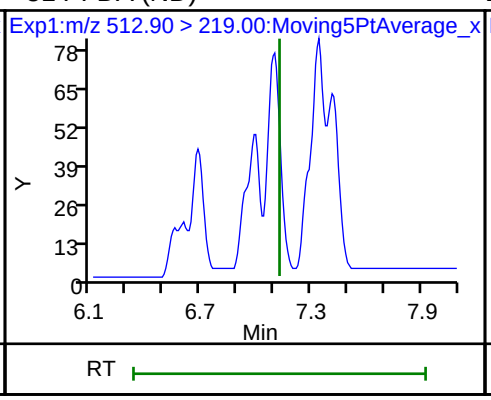
49 NMeFOSAA (ND)



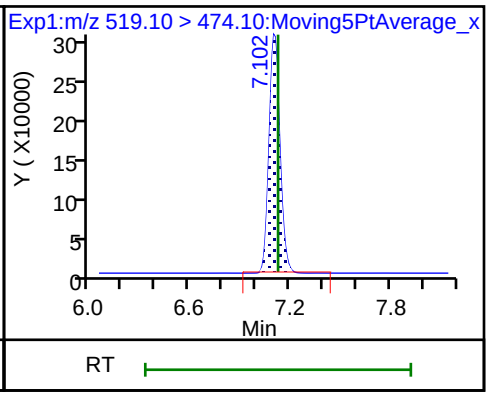
51 PFDA (ND)



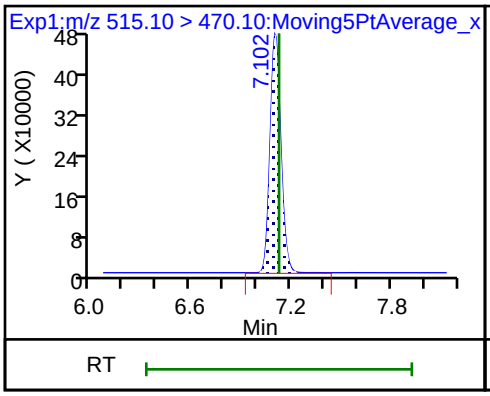
51 PFDA (ND)



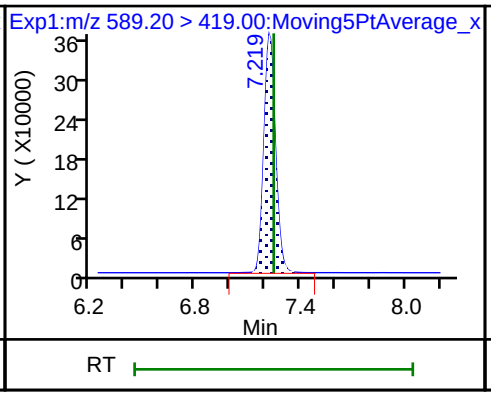
D 53 13C6 PFDA



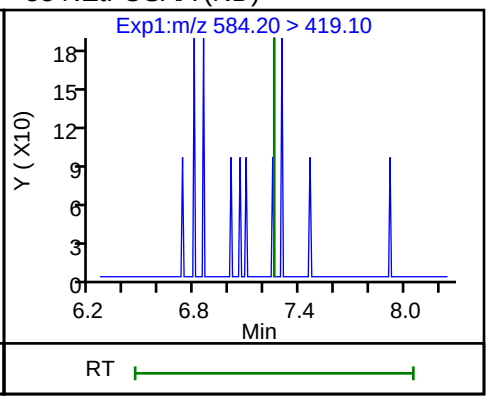
* 52 13C2 PFDA



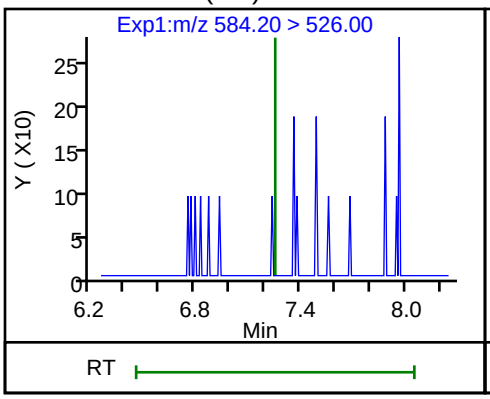
D 54 d5-NEtFOSAA



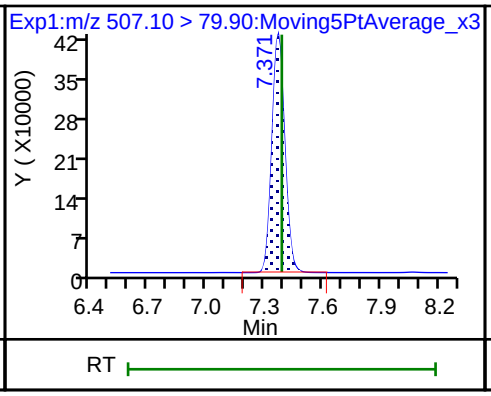
55 NEtFOSAA (ND)



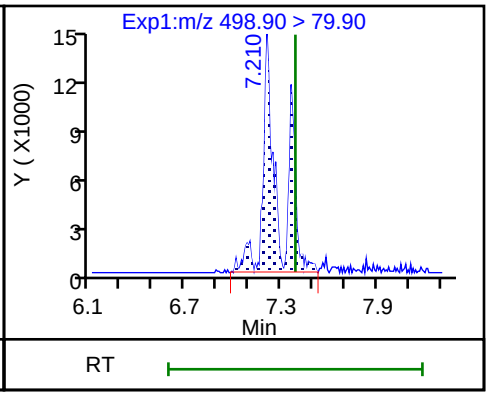
55 NEtFOSAA (ND)



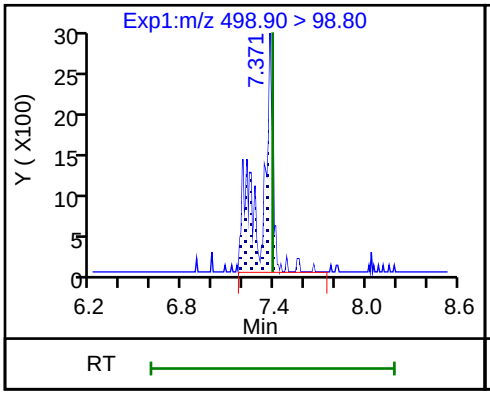
D 56 13C8 PFOS



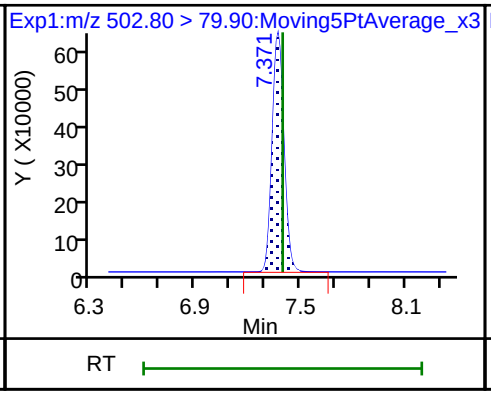
58 PFOS



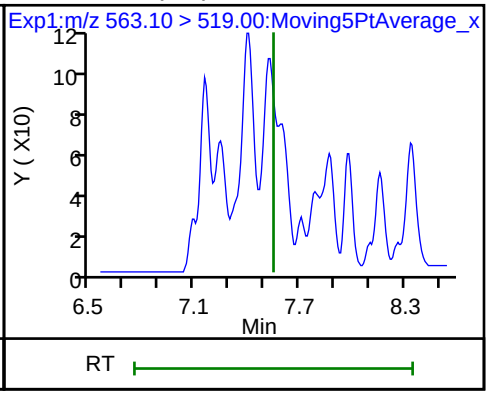
58 PFOS



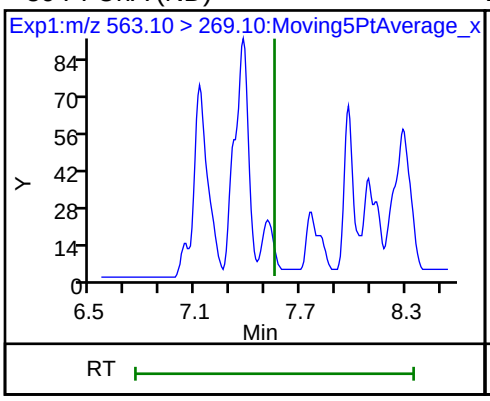
* 57 13C4 PFOS



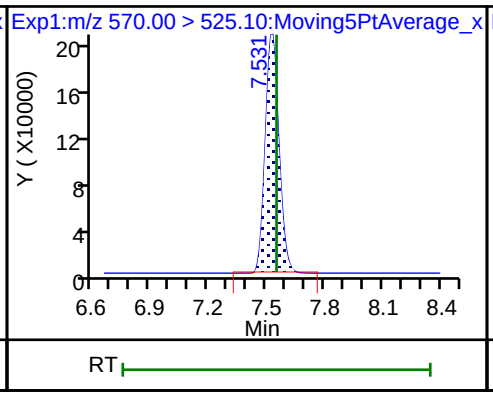
59 PFUnA (ND)



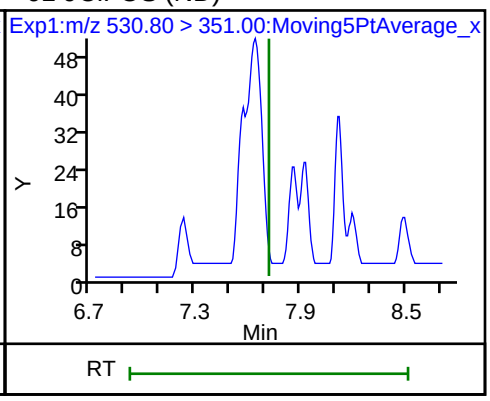
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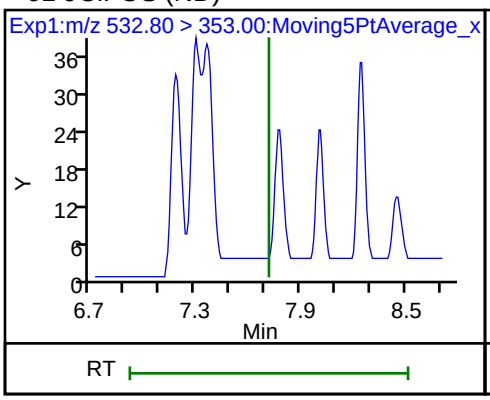
D 60 13C7 PFUnA



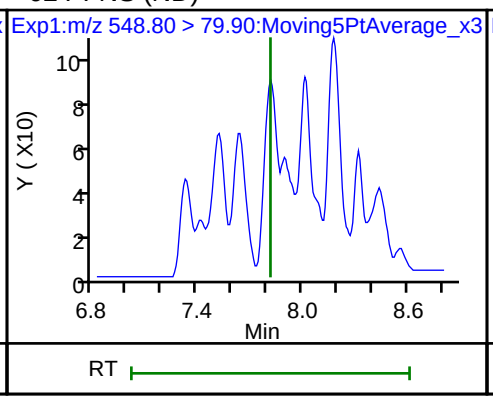
61 9ClFOS (ND)



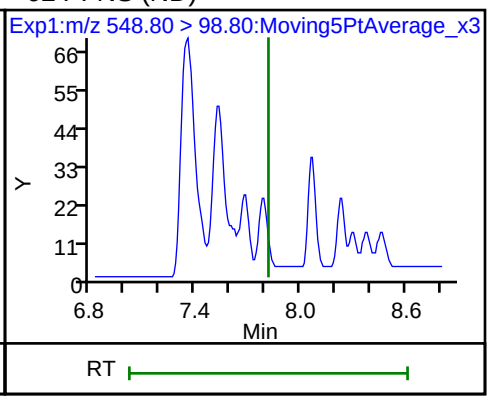
61 9ClFOS (ND)



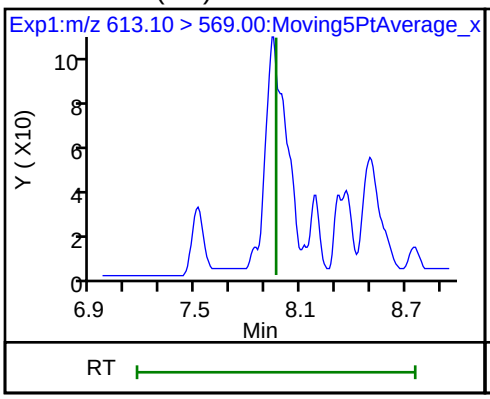
62 PFNS (ND)



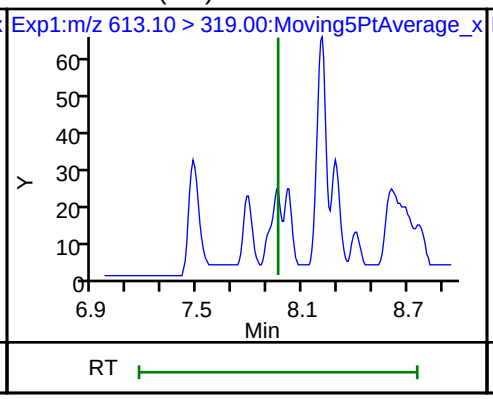
62 PFNS (ND)



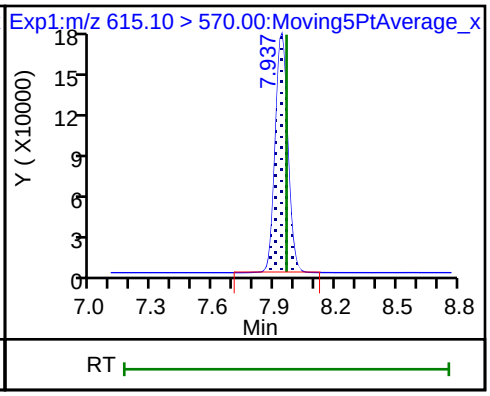
63 PFDoA (ND)



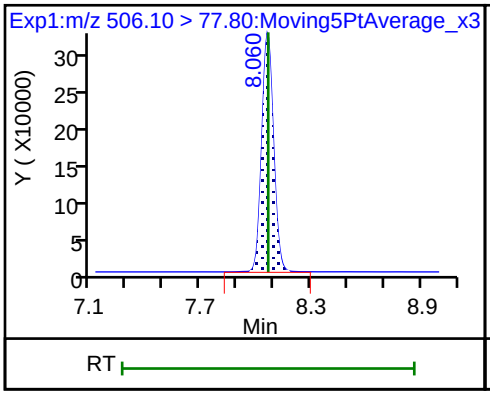
63 PFDoA (ND)



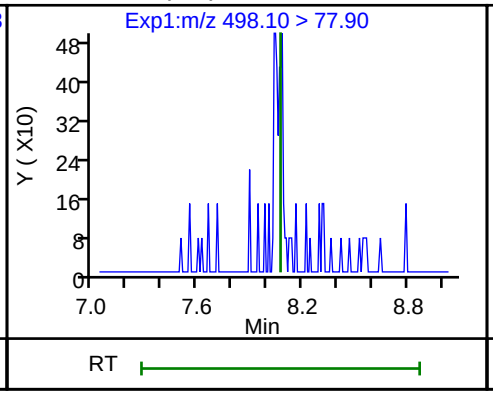
D 64 PFDoA



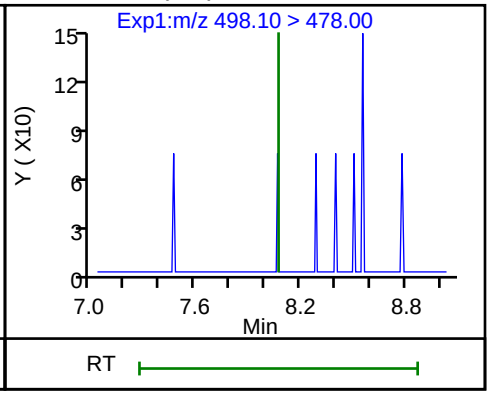
D 66 13C8 FOSA



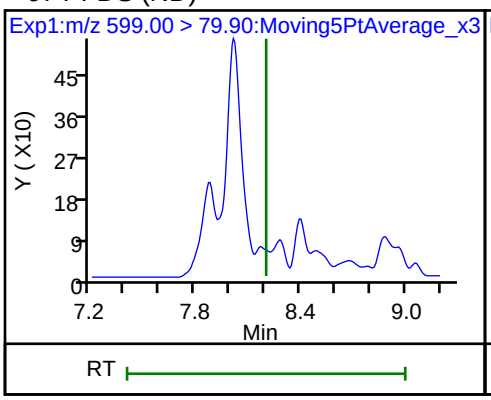
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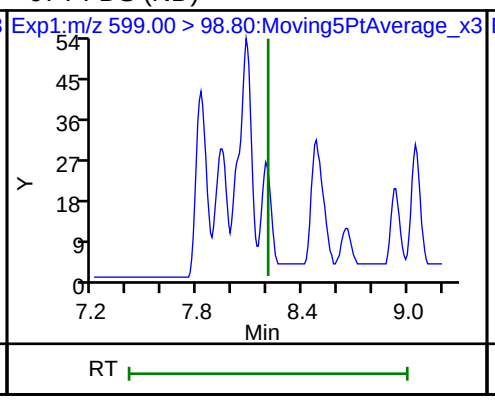
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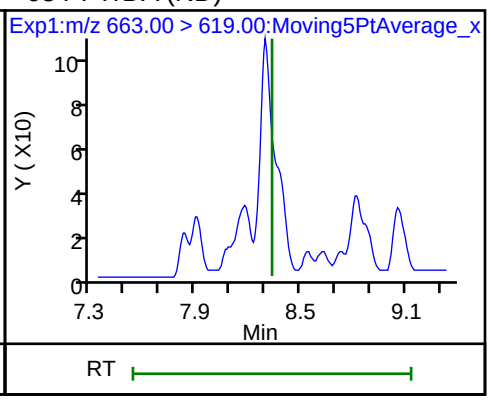
67 PFDS (ND)



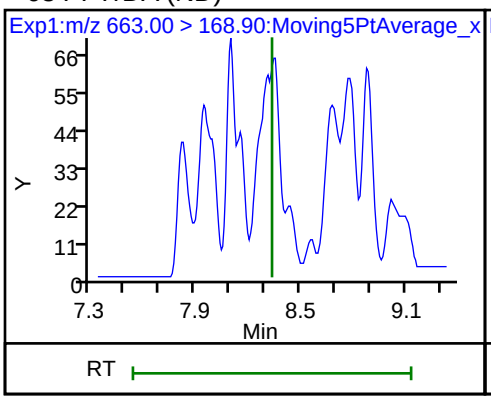
67 PFDS (ND)



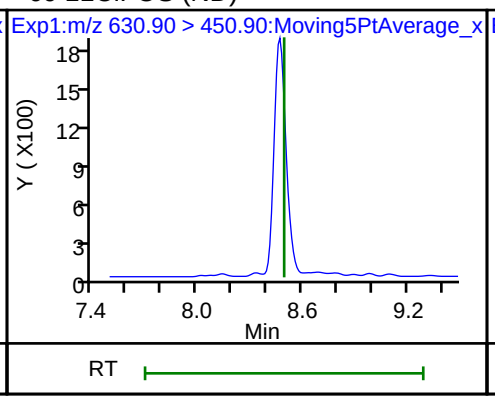
68 PFTrDA (ND)



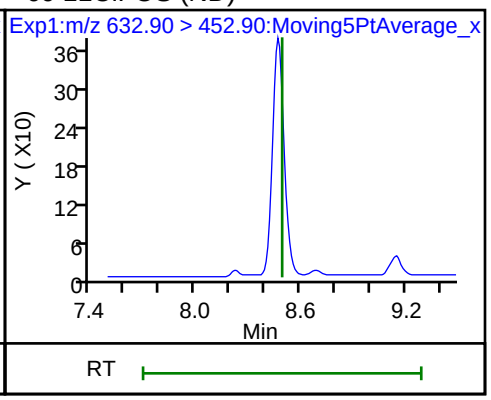
68 PFTrDA (ND)



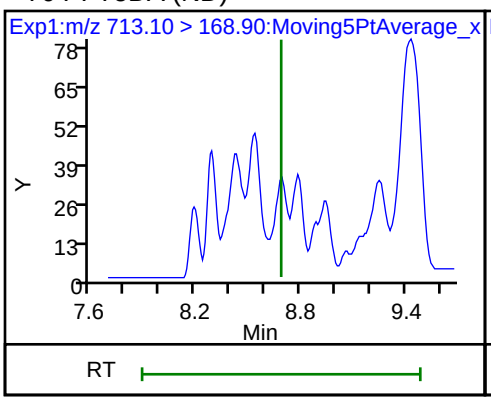
69 11ClFOS (ND)



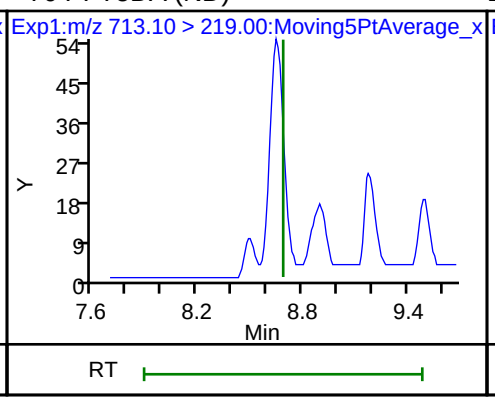
69 11ClFOS (ND)



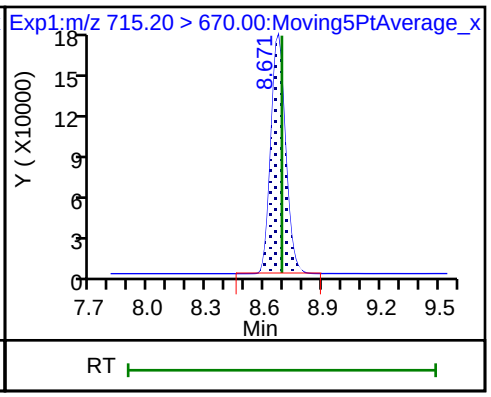
70 PFTeDA (ND)



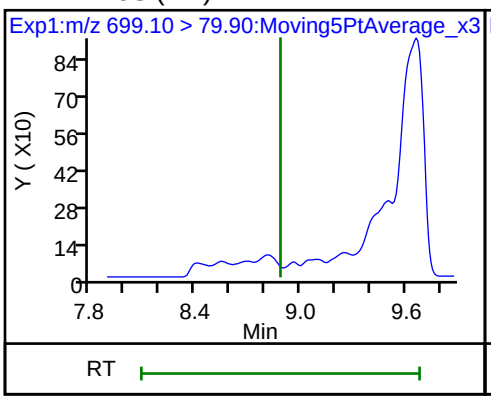
70 PFTeDA (ND)



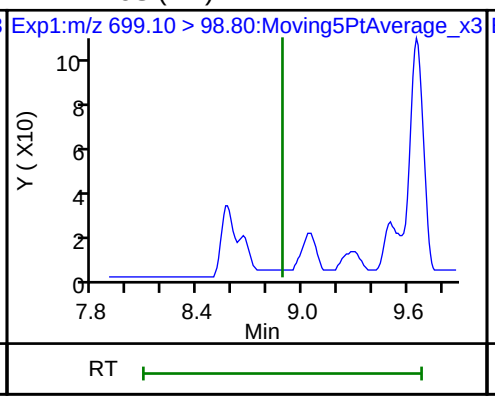
D 71 13C2 PFTeDA



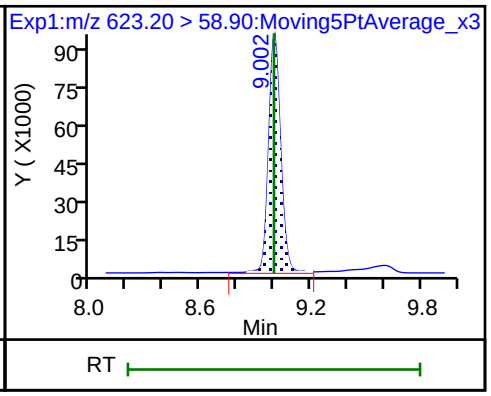
72 PFDoS (ND)



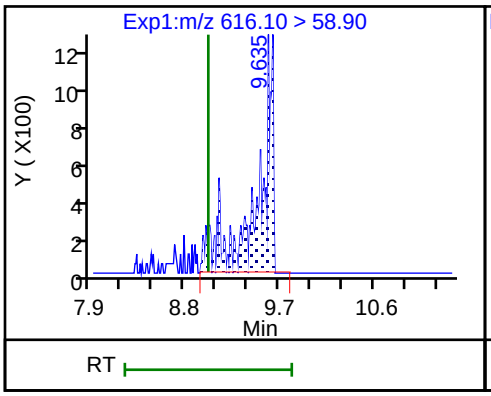
72 PFDoS (ND)



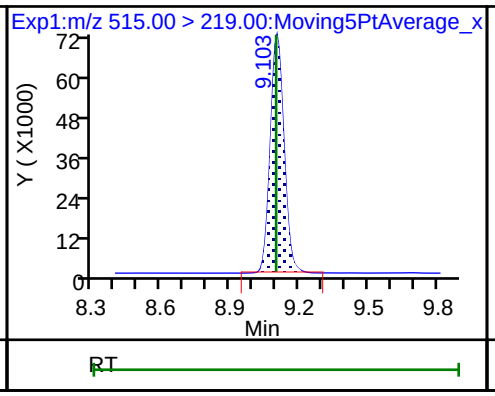
D 73 d7-N-Me-FOSE



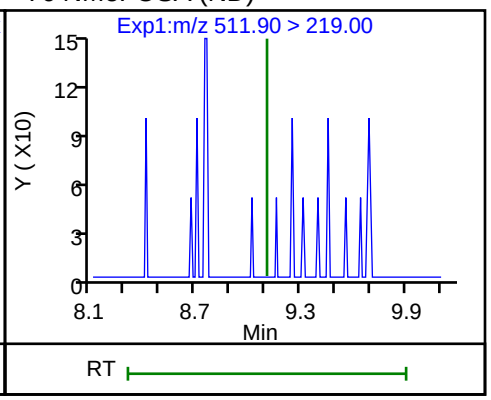
74 N-MeFOSE-M



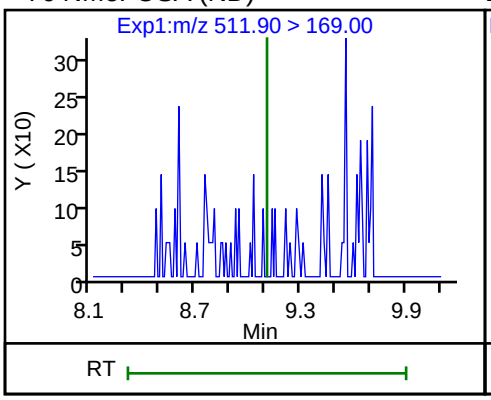
D 75 d3-NMePFOSA



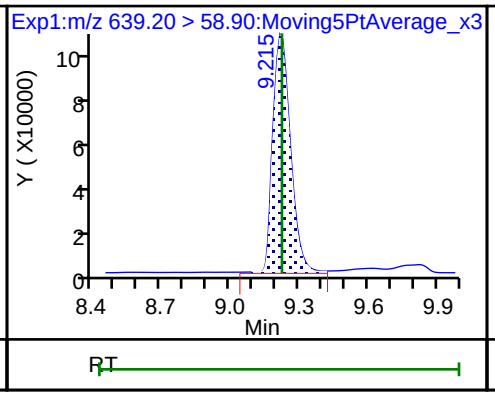
76 NMeFOSA (ND)



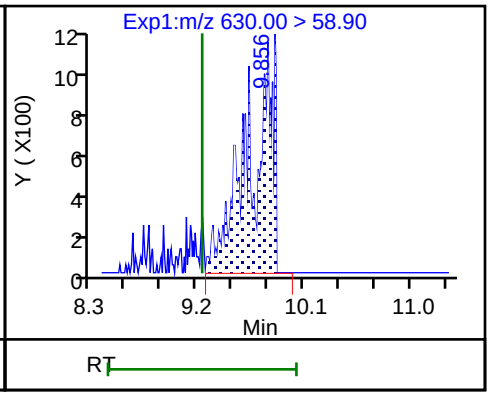
76 NMeFOSA (ND)



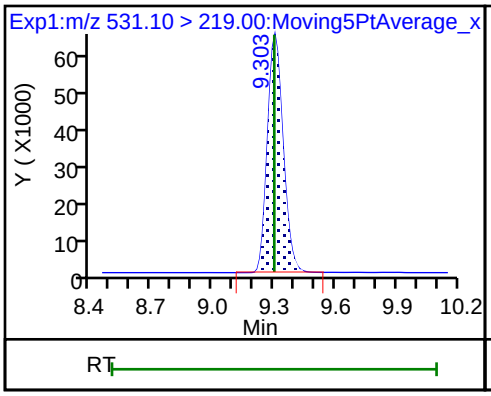
D 77 d9-N-EtFOSE



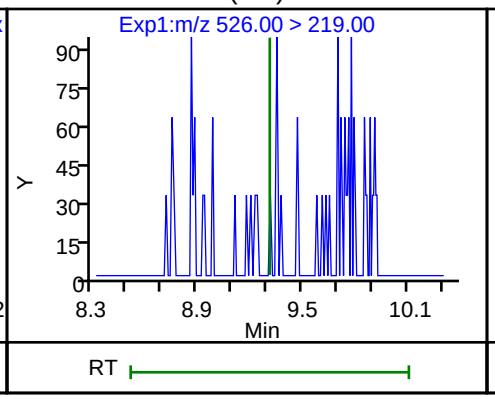
78 N-EtFOSE-M



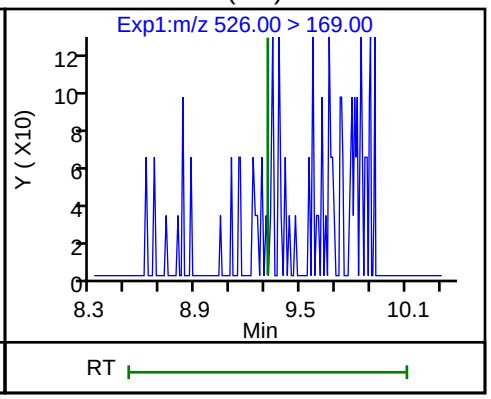
D 79 d5-NEtPFOSA



80 N-EtFOSA-M (ND)



80 N-EtFOSA-M (ND)



FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: MW-20D-021325
Lab Sample ID: 410-209941-3

Matrix: Water
Lab File ID: 25MAR05W-83.d

Analysis Method: 1633
Date Collected: 02/13/2025 13:29

Extraction Method: 1633
Date Extracted: 03/05/2025 07:58

Sample wt/vol: 131.2(mL)
Date Analyzed: 03/06/2025 07:27

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture:
% Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613042
Units: ng/L

Preparation Batch No.: 613015
Instrument ID: 29347

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	7.2		3.8	1.0
2706-90-3	Perfluoropentanoic acid	14		1.9	0.57
307-24-4	Perfluorohexanoic acid	13		1.9	0.48
375-85-9	Perfluoroheptanoic acid	7.7		1.9	0.76
335-67-1	Perfluorooctanoic acid	19		1.9	0.86
375-95-1	Perfluorononanoic acid	6.7		1.9	0.48
335-76-2	Perfluorodecanoic acid	0.95	J	1.9	0.48
2058-94-8	Perfluoroundecanoic acid	ND		1.9	0.48
307-55-1	Perfluorododecanoic acid	ND		1.9	0.48
72629-94-8	Perfluorotridecanoic acid	ND		1.9	0.48
376-06-7	Perfluorotetradecanoic acid	ND		1.9	0.48
375-73-5	Perfluorobutanesulfonic acid	3.0		1.9	0.48
2706-91-4	Perfluoropentanesulfonic acid	ND		1.9	0.48
355-46-4	Perfluorohexanesulfonic acid	1.7	J	1.9	0.76
375-92-8	Perfluoroheptanesulfonic acid	ND		1.9	0.48
1763-23-1	Perfluorooctanesulfonic acid	37		1.9	0.48
68259-12-1	Perfluorononanesulfonic acid	ND		1.9	0.48
335-77-3	Perfluorodecanesulfonic acid	ND		1.9	0.48
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		1.9	0.57
757124-72-4	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		3.8	0.95
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		3.8	0.95
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		3.8	0.95
754-91-6	Perfluorooctanesulfonamide	ND		1.9	0.48
31506-32-8	NMeFOSA	ND		1.9	0.48
4151-50-2	N-ethylperfluoro-1-octanesulfonamide	ND		1.9	0.48
2355-31-9	NMeFOSAA	ND		1.9	0.48
2991-50-6	NEtFOSAA	ND		1.9	0.48

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: MW-20D-021325
Lab Sample ID: 410-209941-3

Matrix: Water
Lab File ID: 25MAR05W-83.d

Analysis Method: 1633
Date Collected: 02/13/2025 13:29

Extraction Method: 1633
Date Extracted: 03/05/2025 07:58

Sample wt/vol: 131.2(mL)
Date Analyzed: 03/06/2025 07:27

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613042
Units: ng/L

Preparation Batch No.: 613015
Instrument ID: 29347

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
24448-09-7	2-(N-methylperfluoro-1-octanesulfonamido) ethanol	ND		9.5	2.4
1691-99-2	2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	ND		9.5	2.4
13252-13-6	HFPO-DA	ND		1.9	0.71
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.9	0.48
377-73-1	Perfluoro-3-methoxypropanoic acid	ND		1.9	0.48
863090-89-5	Perfluoro(4-methoxybutanoic acid)	ND		1.9	0.48
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid	ND	cn	1.9	0.48
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND		1.9	0.48
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		1.9	0.48
113507-82-7	PFEESA	ND		1.9	0.48
356-02-5	3:3 FTCA	ND		3.8	0.95
914637-49-3	5:3 FTCA	ND		9.5	2.7
812-70-4	7:3 FTCA	ND		9.5	2.4

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: MW-20D-021325
Lab Sample ID: 410-209941-3

Matrix: Water
Lab File ID: 25MAR05W-83.d

Analysis Method: 1633
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Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture:
% Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613042
Units: ng/L

Preparation Batch No.: 613015
Instrument ID: 29347

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	81.3		5-130
STL01893	13C5 PFPeA	84.3		40-130
STL02577	13C5 PFHxA	83.0		40-130
STL01892	13C4 PFHpA	86.0		40-130
STL01052	13C8 PFOA	81.5		40-130
STL02578	13C9 PFNA	83.0		40-130
STL02579	13C6 PFDA	80.3		40-130
STL02580	13C7 PFUnA	83.8		30-130
STL02116	13C2 PFTeDA	87.0		10-130
STL02337	13C3 PFBS	71.8		40-135
STL02581	13C3 PFHxS	83.6		40-130
STL01054	13C8 PFOS	85.4		40-130
STL01056	13C8 FOSA	66.6		40-130
STL02118	d3-NMeFOSAA	76.1		40-170
STL02117	d5-NEtFOSAA	76.0		25-135
STL02395	M2-4:2 FTS	72.7		40-200
STL02279	M2-6:2 FTS	82.5		40-200
STL02280	M2-8:2 FTS	68.8		40-300
STL02255	13C3 HFPO-DA	81.1		40-130
STL02277	d7-N-MeFOSE-M	61.7		10-130
STL02278	d9-N-EtFOSE-M	61.4		10-130
STL02704	d5-NEtPFOSA	51.4		10-130
STL02705	d3-NMePFOSA	51.3		10-130
STL00998	13C2 PFDoA	74.2		10-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\25MAR05W-83.d
Lims ID: 410-209941-A-3-B
Client ID: MW-20D-021325
Sample Type: Client
Inject. Date: 06-Mar-2025 07:27:18 ALS Bottle#: 39 Worklist Smp#: 145
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: 410-209941-A-3-B
Misc. Info.: Plate: 1 Rack: 1 410-0139917-145
Operator ID: US19_USR_INS00012E Instrument ID: 29347

Method: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\29347_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 06-Mar-2025 18:01:56 Calib Date: 27-Feb-2025 16:49:35
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1676

First Level Reviewer: JU9U Date: 06-Mar-2025 17:44:09
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 4 13C4-PFBA										
216.80 > 171.90	4.108	4.116	-0.008	0.998	1961006	1.63		81.3	48639	
3 PFBA										
212.80 > 168.90	4.108	4.116	-0.008	1.000	179455	0.1884			82.2	
* 5 13C3PFBA										
216.00 > 172.00	4.115	4.116	-0.002		2105008	2.00			317	
8 PFPA										
263.00 > 219.00	4.708	4.711	-0.003	1.000	251026	0.3670			2452	
D 9 13C5 PFPeA										
268.30 > 223.00	4.708	4.711	-0.003	0.894	838748	1.69		84.3	35818	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.050	5.063	-0.013	0.780	452890	3.41		72.7	15213	
16 PFHxA										
313.00 > 269.00	5.259	5.272	-0.013	0.998	282164	0.3297	Target=13.05		3078	
313.00 > 118.90	5.259	5.272	-0.013	0.998	18714		15.08(6.53-19.58)		902	
D 17 13C5 PFHxA										
318.00 > 273.00	5.269	5.281	-0.012	1.000	1724869	1.66		83.0	85361	
* 15 13C2 PFHxA										
315.10 > 270.00	5.269	5.281	-0.012		4813763	5.00			118615	
19 PFBS										
298.70 > 79.90	5.404	5.418	-0.014	1.000	98720	0.0781	Target=3.09		2479	
298.70 > 98.80	5.404	5.418	-0.014	1.000	39730		2.48(1.55-4.64)		1344	
D 20 13C3 PFBS										
302.10 > 79.90	5.404	5.418	-0.014	0.834	2158910	1.34		71.8	66255	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.481	5.496	-0.015	1.040	1085859	1.62		81.1	48770	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
26 PFHpA										
363.10 > 319.00	5.776	5.790	-0.014	1.000	240485	0.2027	Target=3.46		833	
363.10 > 169.00	5.765	5.790	-0.025	0.998	72129		3.33(1.73-5.19)		1200	
D 27 13C4 PFHpA										
367.10 > 322.00	5.776	5.790	-0.014	1.096	2186255	1.72		86.0	82710	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.020	6.031	-0.011	0.930	362354	3.93		82.5	19371	
D 34 13C8 PFOA										
421.10 > 376.00	6.243	6.254	-0.011	1.000	2234211	1.63		81.5	93974	
* 35 13C4 PFOA										
417.10 > 372.00	6.243	6.254	-0.011		6763016	5.00			570324	
36 PFOA										
413.00 > 369.00	6.243	6.254	-0.011	1.000	519963	0.5018	Target=2.10		32455	
413.00 > 169.00	6.243	6.254	-0.011	1.000	241467		2.15(1.05-3.15)		195	
* 38 18O2 PFHxS										
403.00 > 83.90	6.475	6.496	-0.021		2819197	1.89			181314	
40 PFHxS										
398.70 > 79.90	6.485	6.496	-0.011	1.002	73525	0.0450	Target=2.96		8387	
398.70 > 98.90	6.475	6.496	-0.021	1.000	21852		3.36(1.48-4.44)		37.3	
D 39 13C3 PFHxS										
402.10 > 79.90	6.475	6.496	-0.021	1.000	2318165	1.59		83.6	74981	
* 43 13C5 PFNA										
468.00 > 423.00	6.689	6.701	-0.012		2759335	2.00			119598	
42 PFNA										
463.00 > 419.00	6.689	6.701	-0.012	1.000	181556	0.1764	Target=5.06		17359	
463.00 > 219.00	6.573	6.701	-0.128	0.983	30614		5.93(2.53-7.59)		3393	
D 41 13C9 PFNA										
472.10 > 427.00	6.689	6.701	-0.012	1.000	2240003	1.66		83.0	120902	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.878	6.898	-0.020	1.062	191217	3.30		68.8	10898	
D 50 d3-NMeFOSAA										
573.20 > 419.00	7.049	7.058	-0.009	0.955	2232670	3.80		76.1	100280	
51 PFDA										
512.90 > 469.00	7.110	7.128	-0.018	1.000	22932	0.0251	Target=6.65		635	
512.90 > 219.00	7.110	7.128	-0.018	1.000	4659		4.92(3.33-9.98)		371	
D 53 13C6 PFDA										
519.10 > 474.10	7.110	7.128	-0.018	1.000	1739134	1.61		80.3	129202	
* 52 13C2 PFDA										
515.10 > 470.10	7.110	7.128	-0.018		2113505	2.00			116913	
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.228	7.246	-0.018	0.979	1918487	3.80		76.0	83140	
D 56 13C8 PFOS										
507.10 > 79.90	7.379	7.388	-0.009	1.000	2476255	1.63		85.4	53219	
58 PFOS										
498.90 > 79.90	7.379	7.388	-0.009	1.000	1466476	0.9833	Target=3.87		174815	
498.90 > 98.80	7.370	7.388	-0.018	0.999	377544		3.88(1.93-5.80)		1193	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 57 13C4 PFOS										
502.80 > 79.90	7.379	7.398	-0.019		3080828	1.91			110798	
D 60 13C7 PFUnA										
570.00 > 525.10	7.530	7.551	-0.021	1.059	1294146	1.68		83.8	87675	
D 64 PFDoA										
615.10 > 570.00	7.944	7.960	-0.016	1.117	923987	1.48		74.2	72646	
D 66 13C8 FOSA										
506.10 > 77.80	8.074	8.066	0.008	1.094	1938646	1.33		66.6	86663	
D 71 13C2 PFTeDA										
715.20 > 670.00	8.675	8.689	-0.014	1.220	1145379	1.74		87.0	54783	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.005	8.998	0.007	1.220	507975	3.09		61.7	3898	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.106	9.099	0.007	1.234	329658	1.03		51.3	19821	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.218	9.224	-0.006	1.249	631710	3.07		61.4	2676	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.306	9.299	0.007	1.261	369304	1.03		51.4	17267	

QC Flag Legend

Processing Flags

Reagents:

1633_125_IS_V_00233 Amount Added: 50.00 Units: uL

Report Date: 06-Mar-2025 18:03:06 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\25MAR05W-83.d

Injection Date: 06-Mar-2025 07:27:18 Instrument ID: 29347

Lims ID: 410-209941-A-3-B Lab Sample ID: 410-209941-3

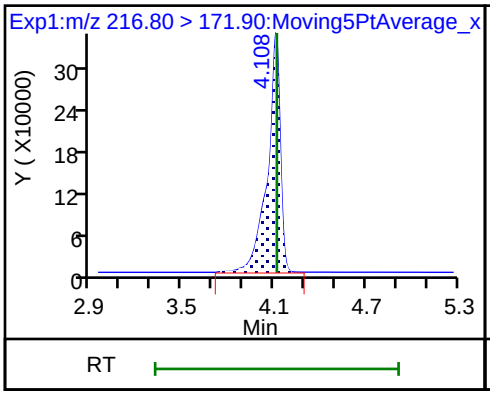
Client ID: MW-20D-021325

Operator ID: US19_USR_INS00012E ALS Bottle#: 39 Worklist Smp#: 145

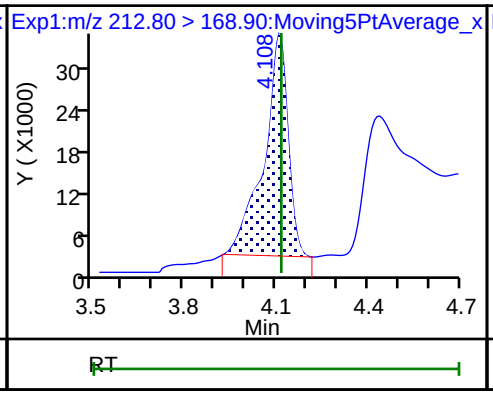
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 29347_1633Final Limit Group: LC - 1633 LVI- ICAL

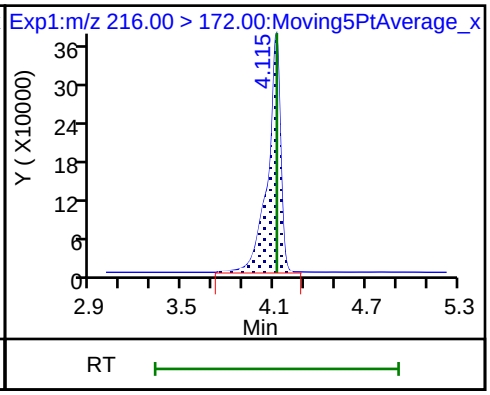
D 4 13C4-PFBA



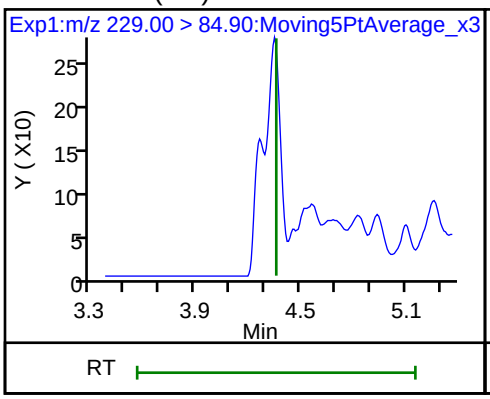
3 PFBA



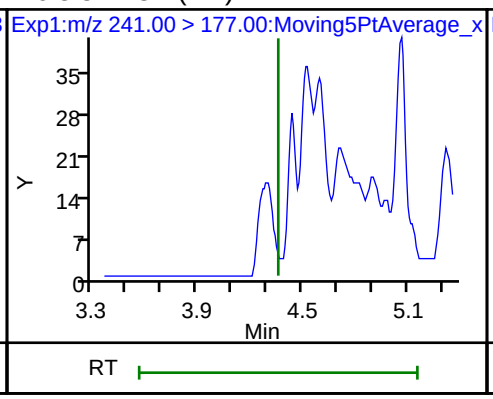
* 5 13C3PFBA



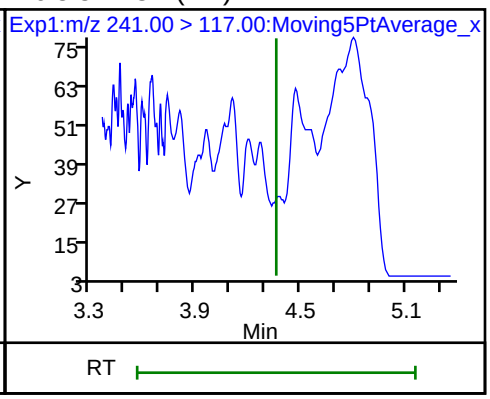
7 PFMPA (ND)



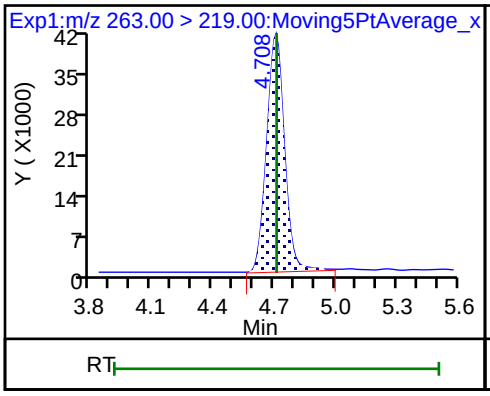
6 3:3 FTCA (ND)



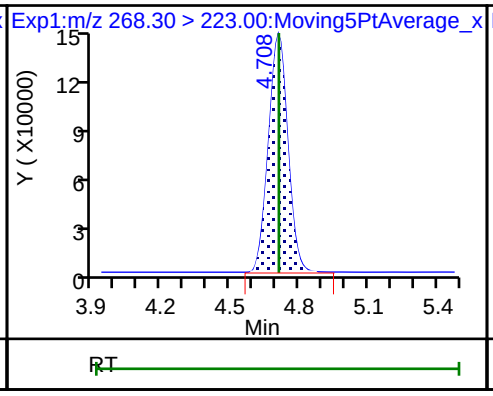
6 3:3 FTCA (ND)



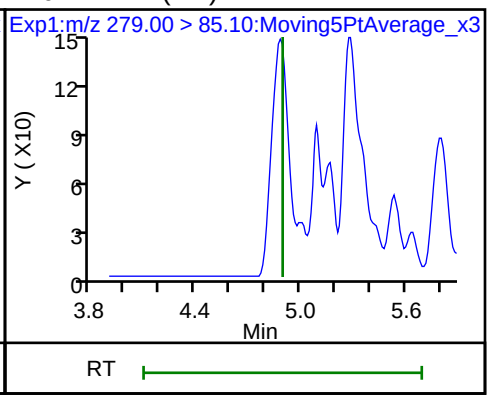
8 PFPA



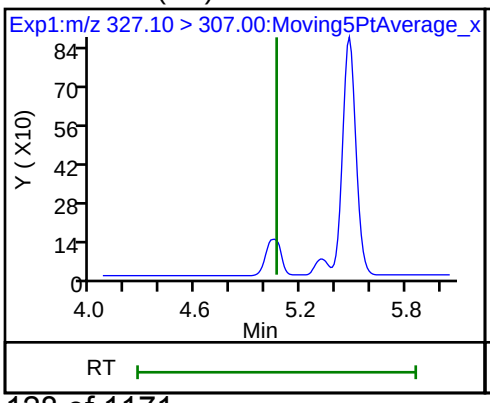
D 9 13C5 PFPeA



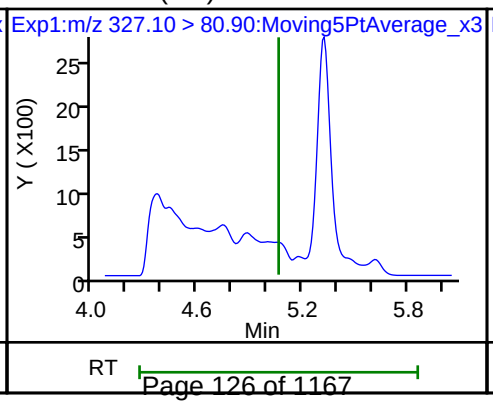
10 PFMBA (ND)



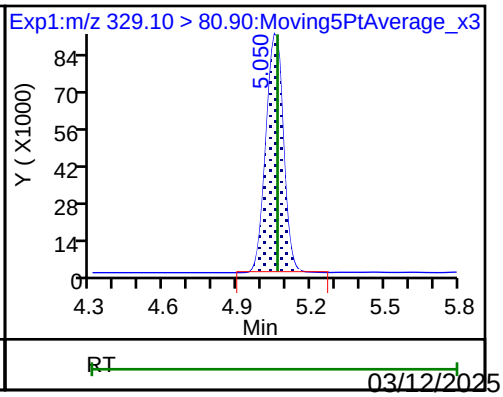
11 4:2FTS (ND)



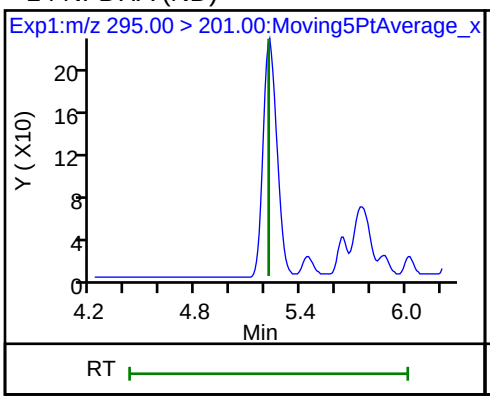
11 4:2FTS (ND)



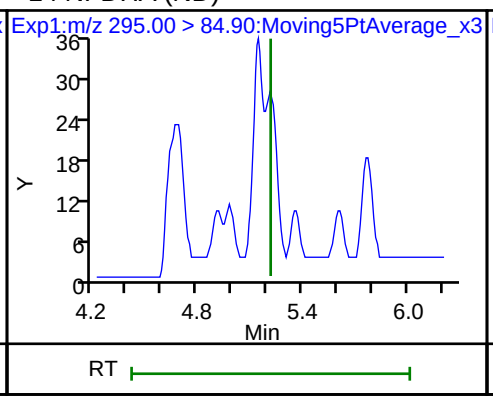
D 13 13C2-4:2FTS



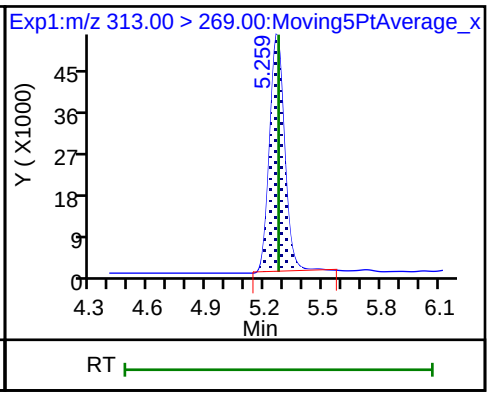
14 NFDHA (ND)



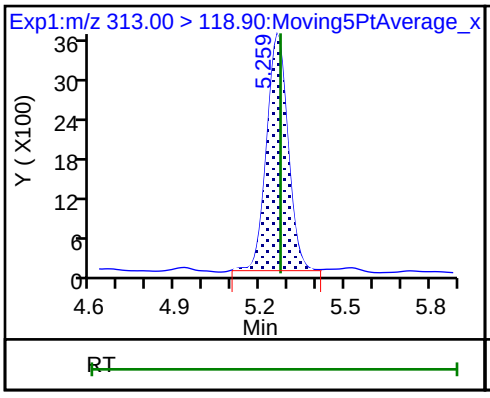
14 NFDHA (ND)



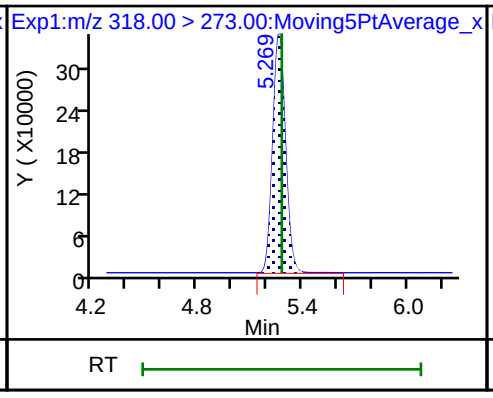
16 PFHxA



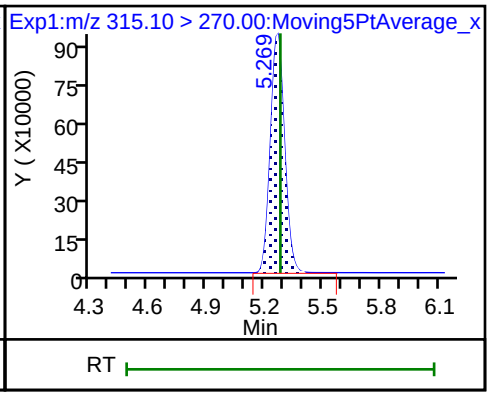
16 PFHxA



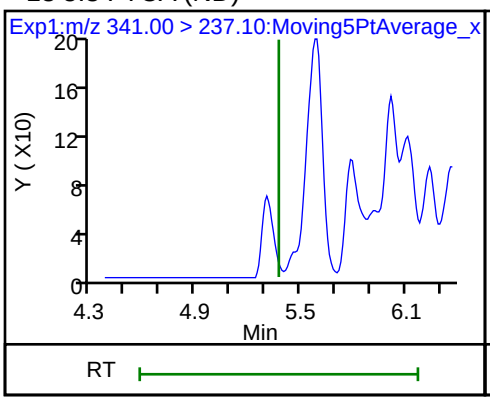
D 17 13C5 PFHxA



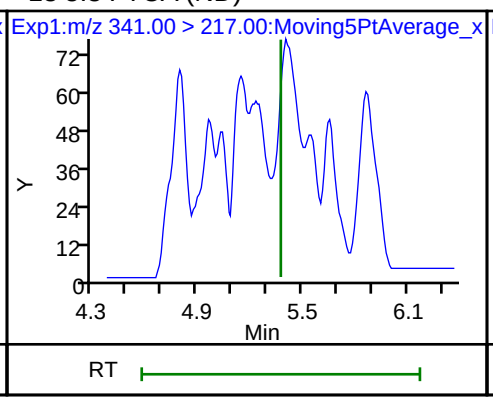
* 15 13C2 PFHxA



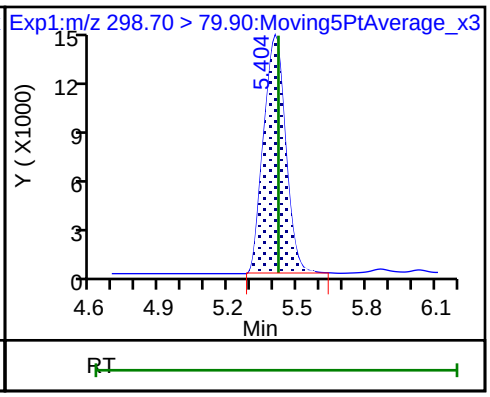
18 5:3 FTCA (ND)



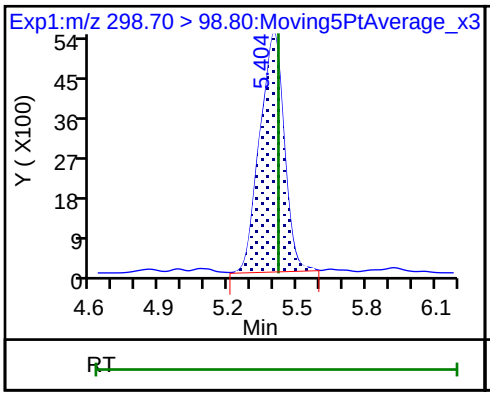
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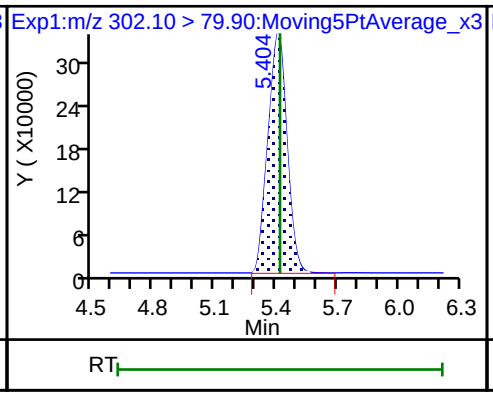
19 PFBS



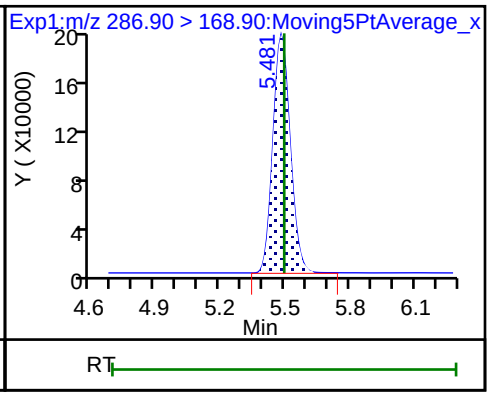
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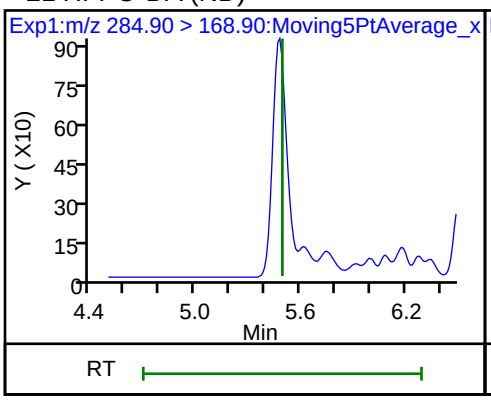
D 20 13C3 PFBS



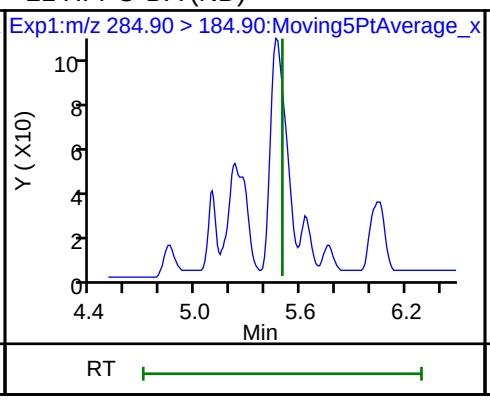
D 22 13C3 HFPO-DA



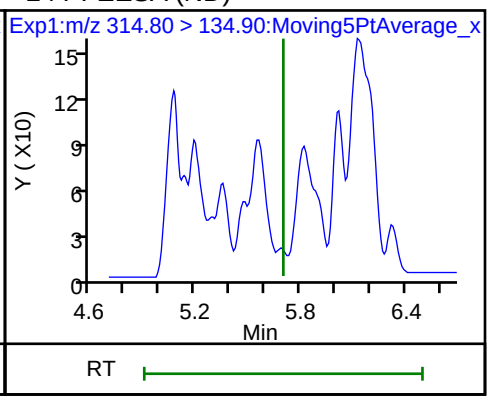
21 HFPO-DA (ND)



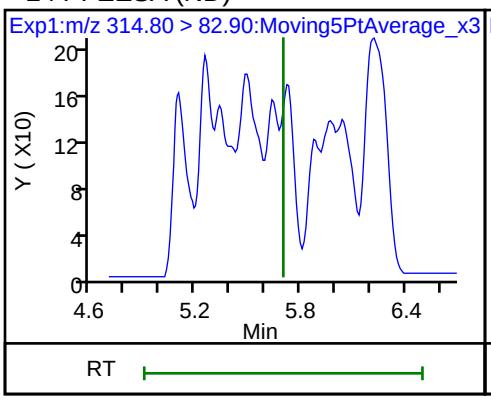
21 HFPO-DA (ND)



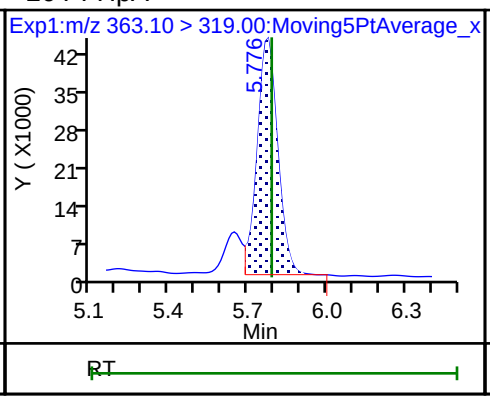
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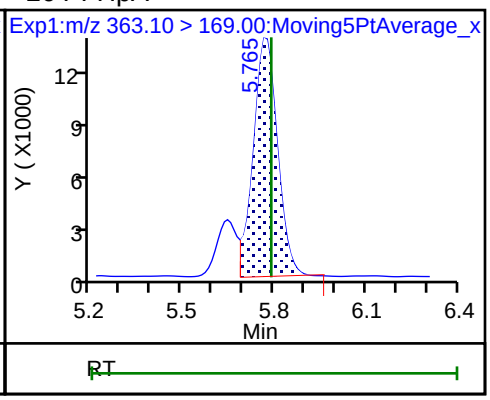
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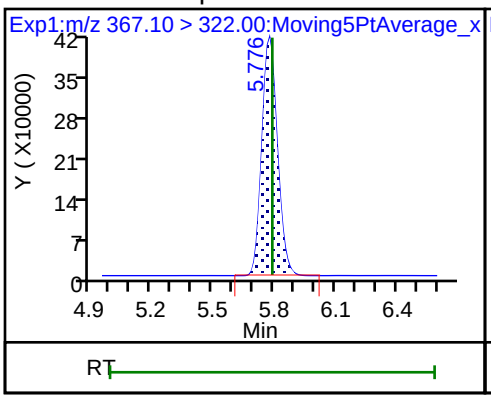
26 PFHpA



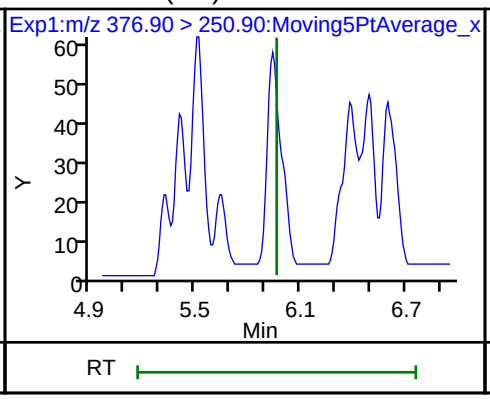
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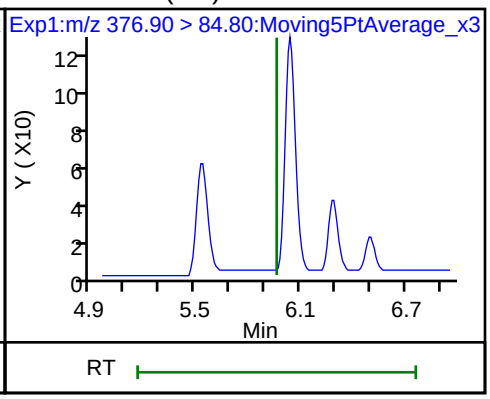
D 27 13C4 PFHpA



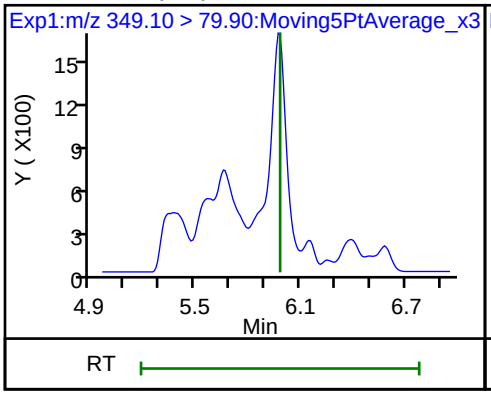
28 ADONA (ND)



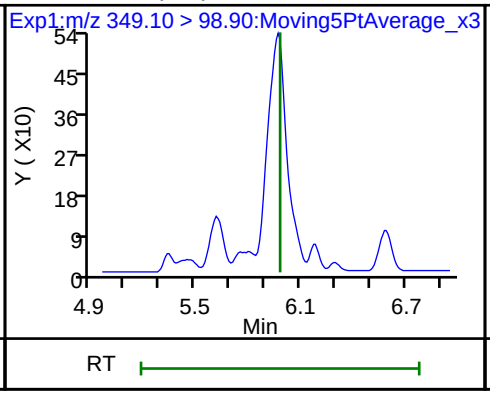
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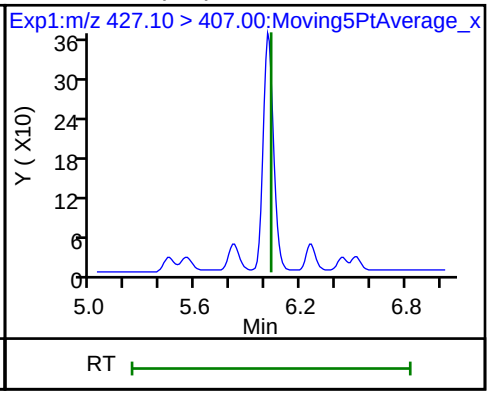
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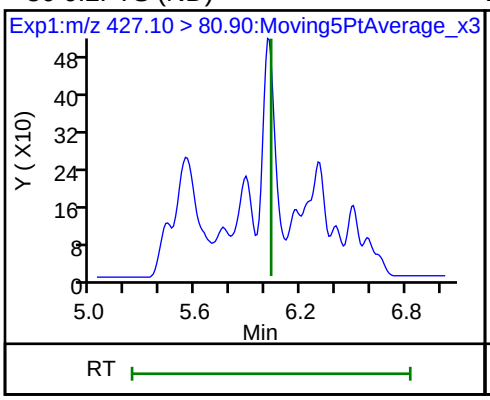
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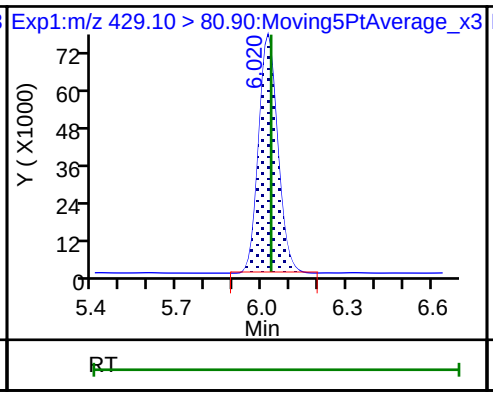
30 6:2FTS (ND)



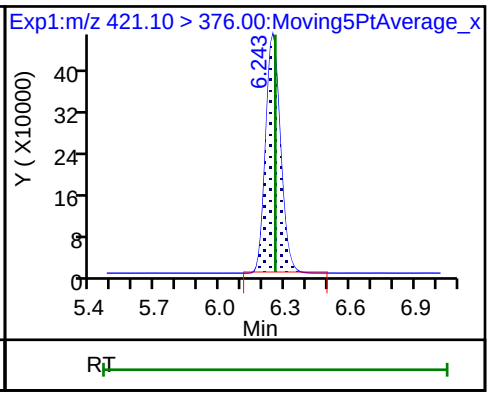
30 6:2FTS (ND)



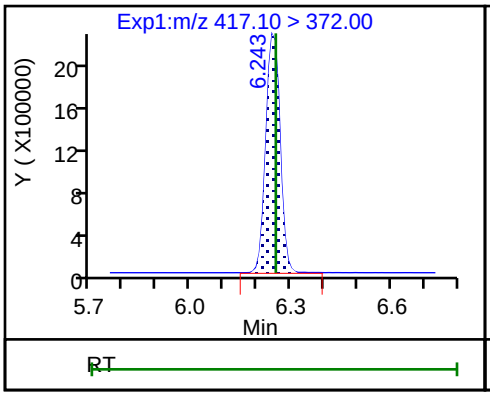
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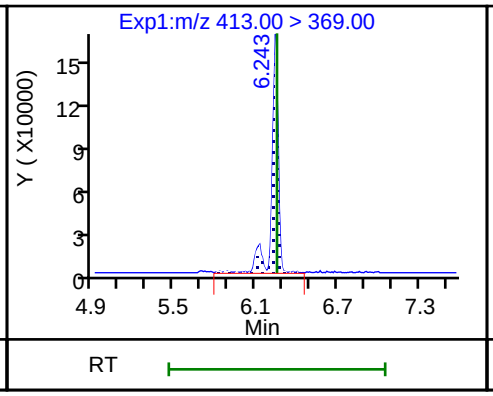
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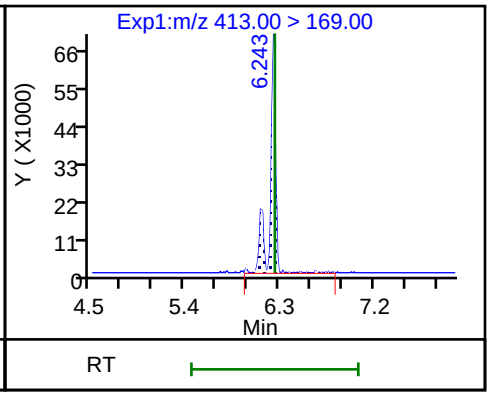
* 35 13C4 PFOA



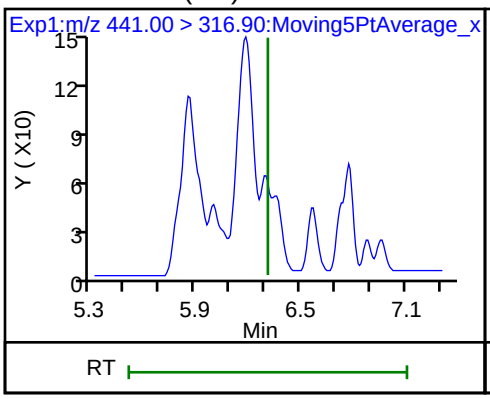
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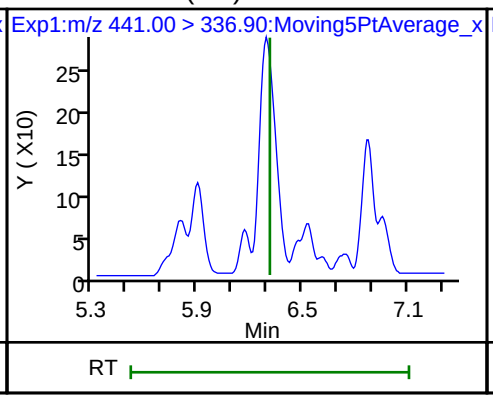
36 PFOA



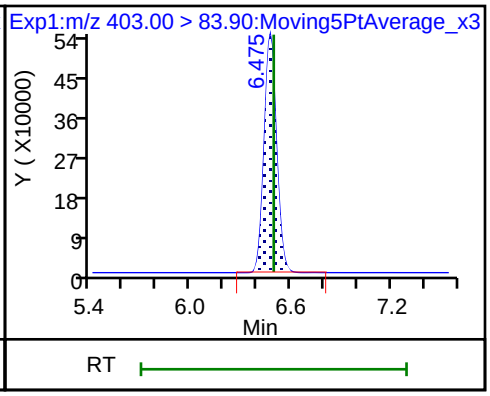
37 7:3 FTCA (ND)



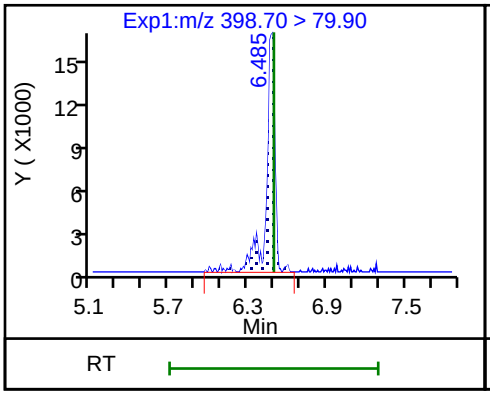
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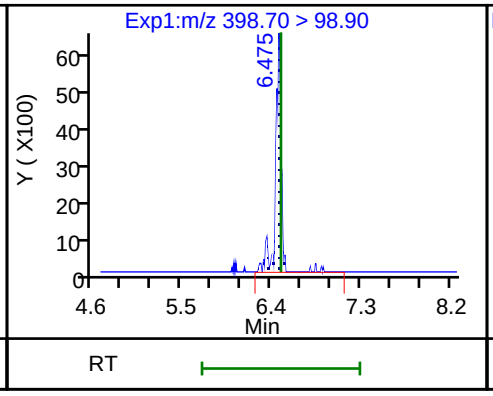
* 38 18O2 PFHxS



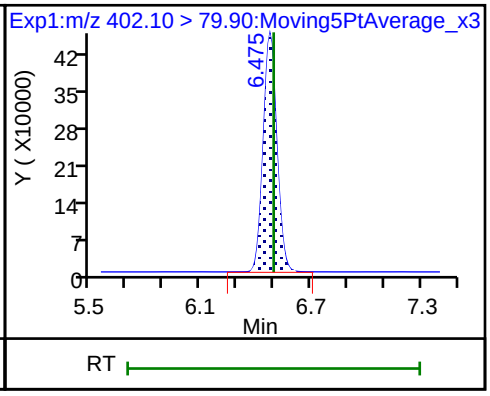
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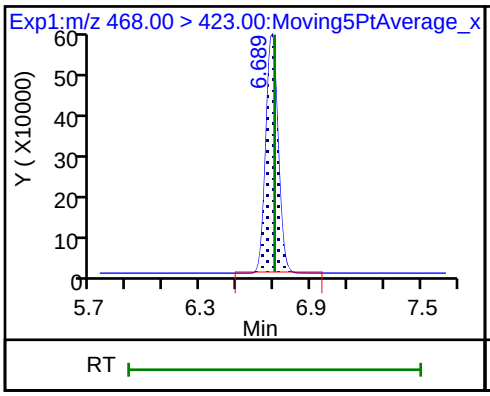
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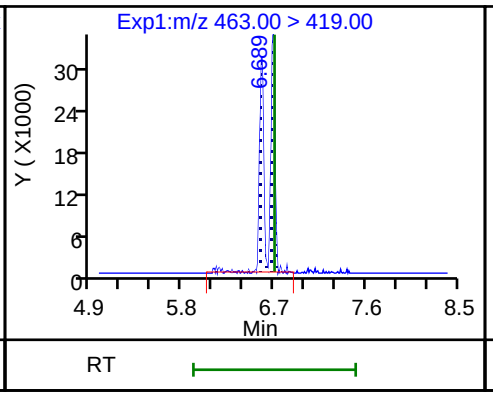
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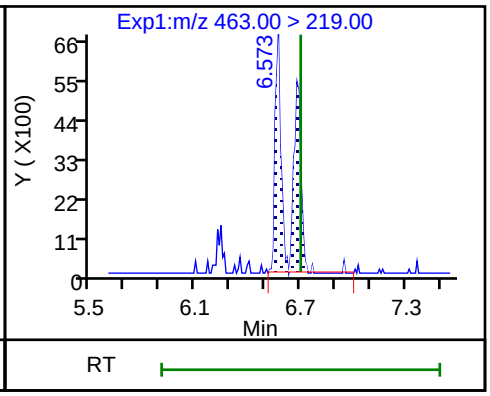
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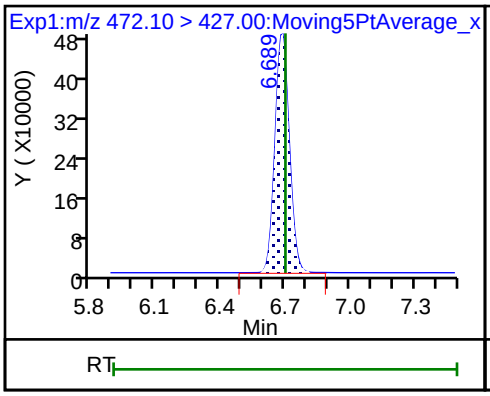
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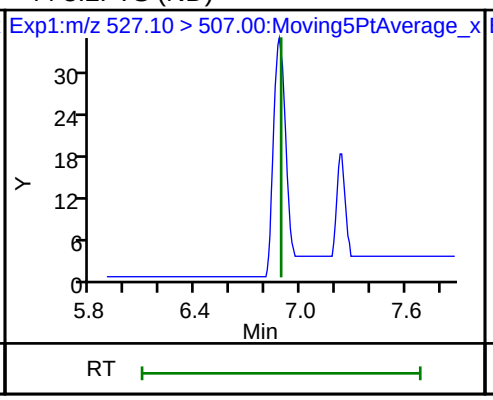
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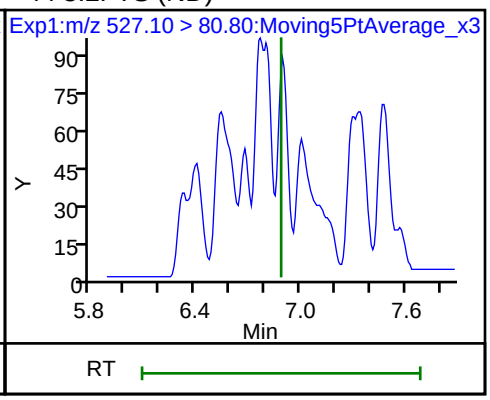
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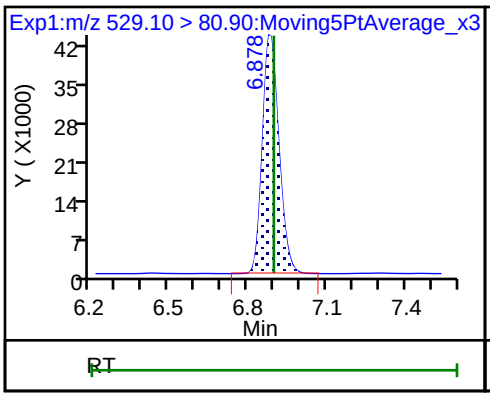
44 8:2FTS (ND)



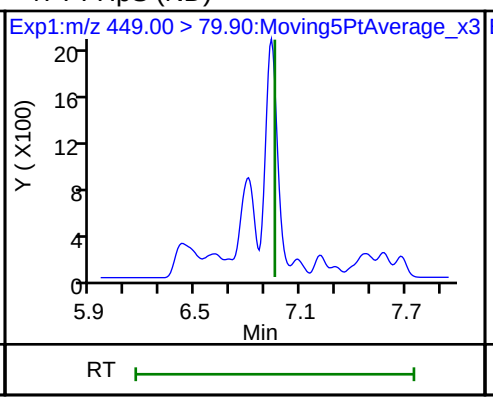
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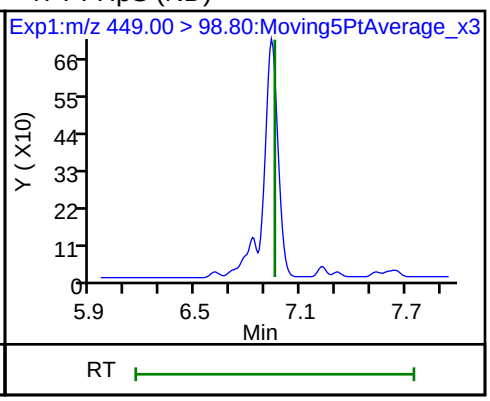
D 45 13C2-8:2FTS



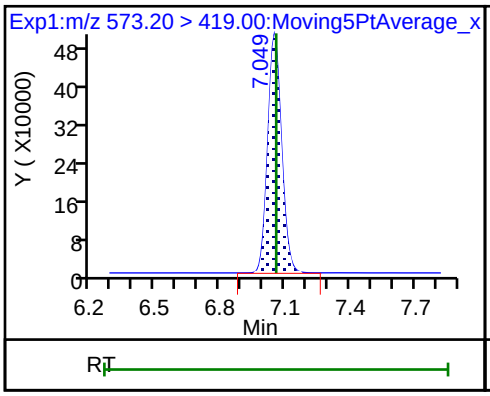
47 PFHpS (ND)



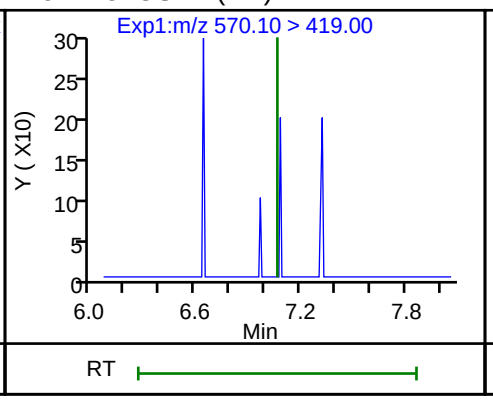
47 PFHpS (ND)



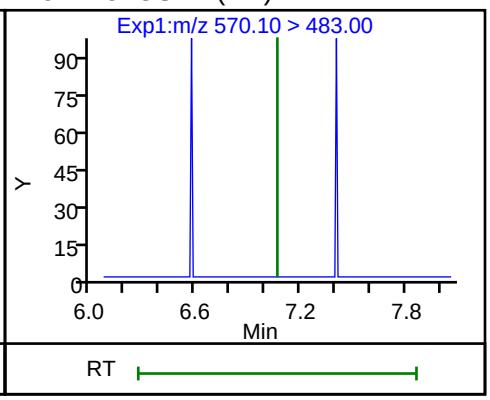
D 50 d3-NMeFOSAA



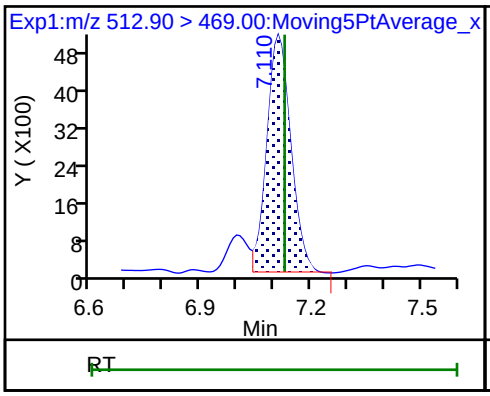
49 NMeFOSAA (ND)



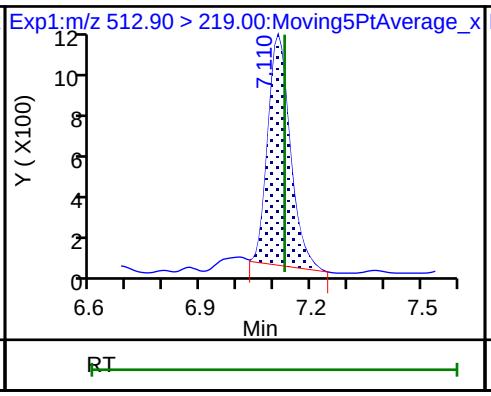
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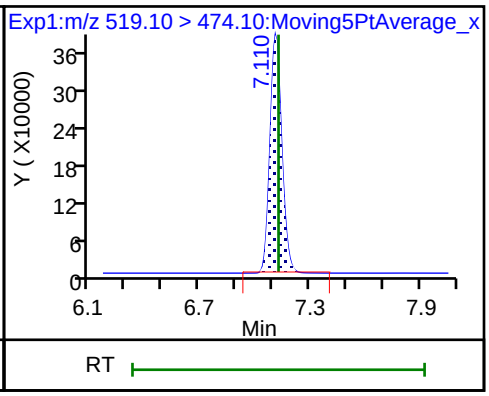
51 PFDA



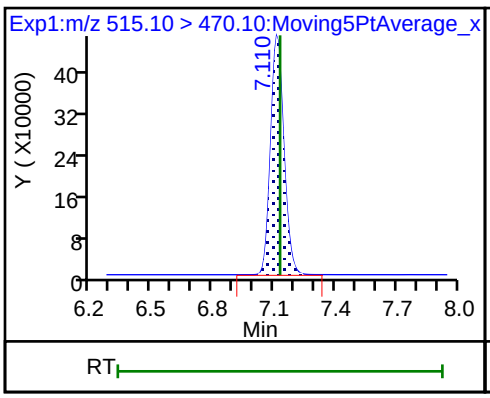
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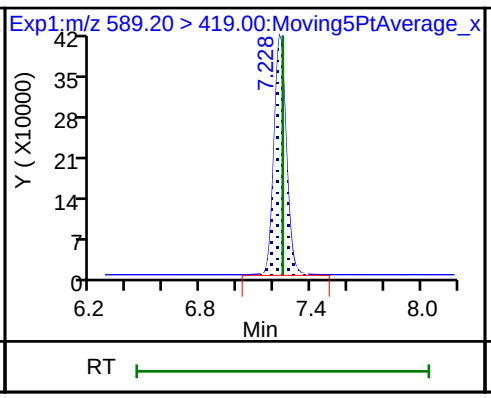
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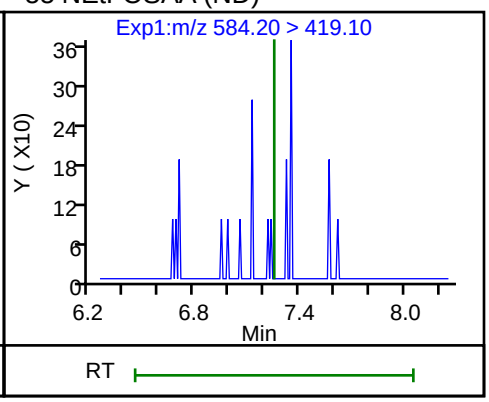
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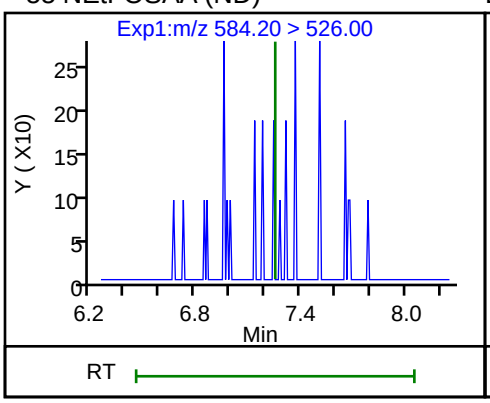
D 54 d5-NEtFOSAA



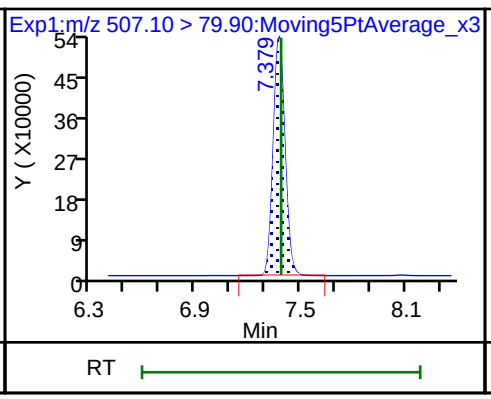
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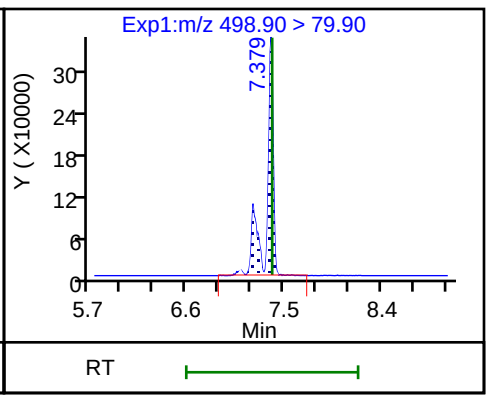
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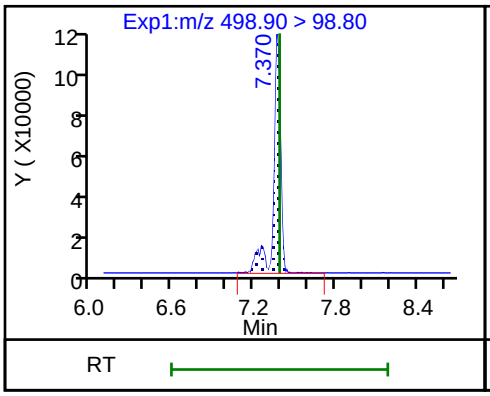
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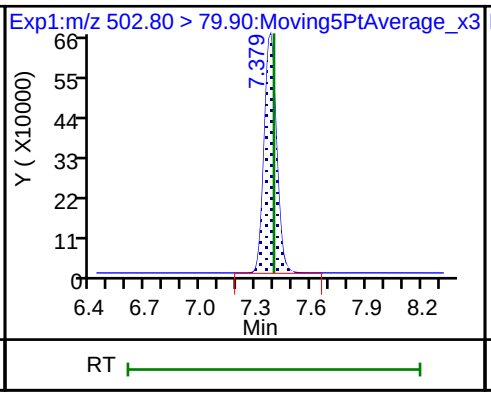
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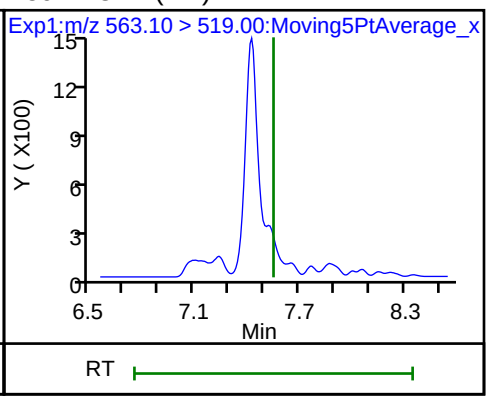
58 PFOS



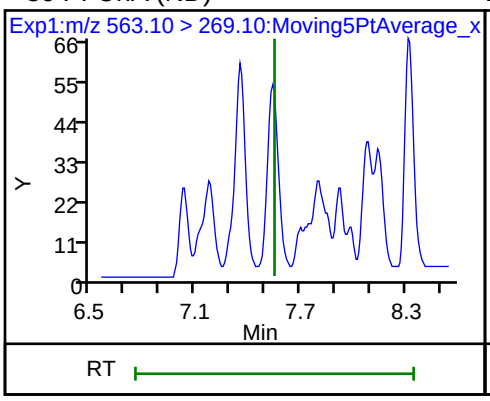
* 57 13C4 PFOS



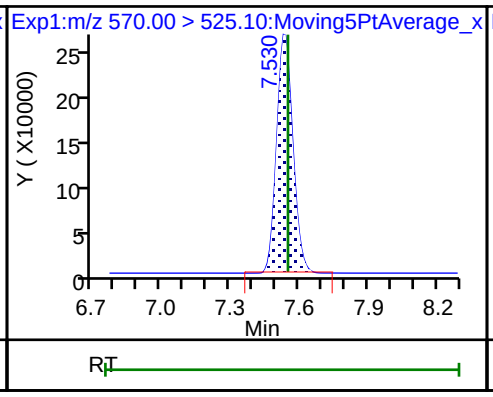
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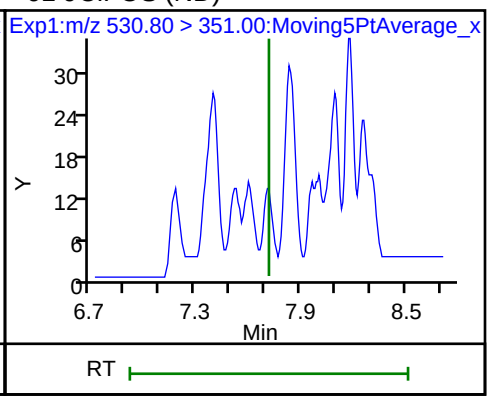
59 PFUnA (ND)



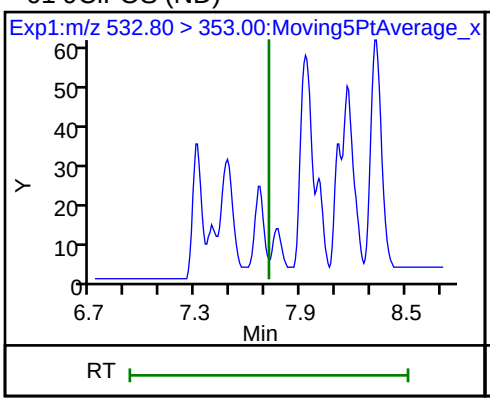
D 60 13C7 PFUnA



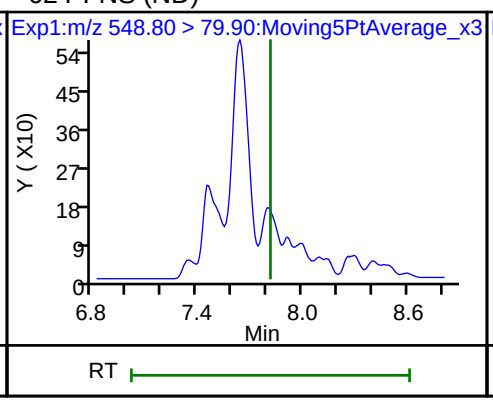
61 9ClFOS (ND)



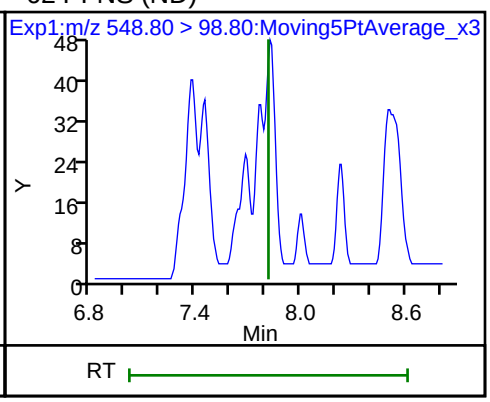
61 9ClFOS (ND)



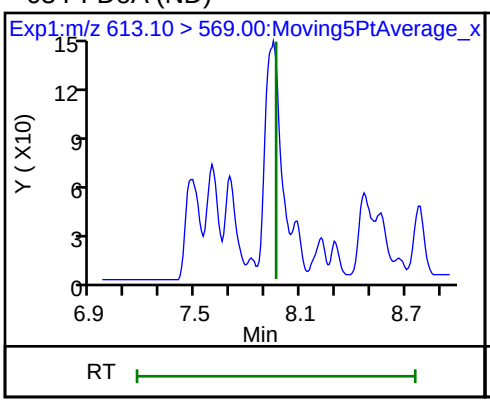
62 PFNS (ND)



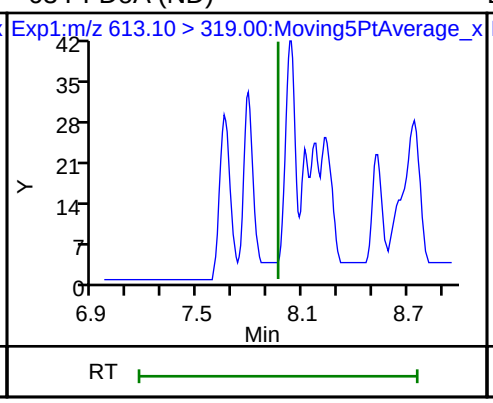
62 PFNS (ND)



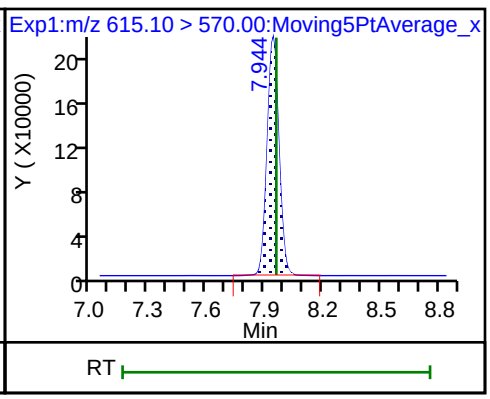
63 PFDoA (ND)



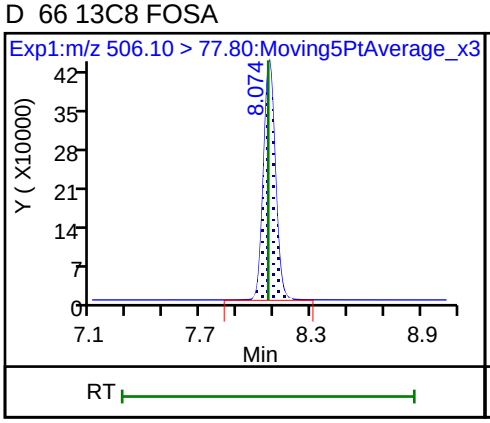
63 PFDoA (ND)



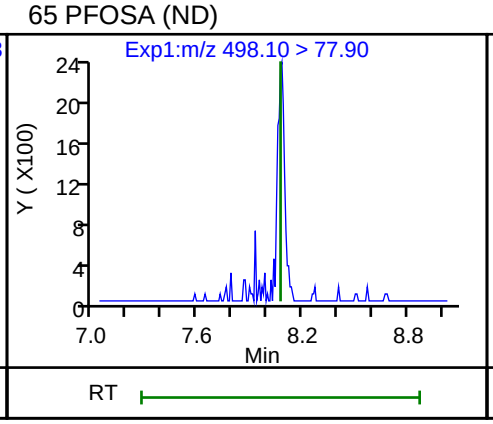
D 64 PFDoA



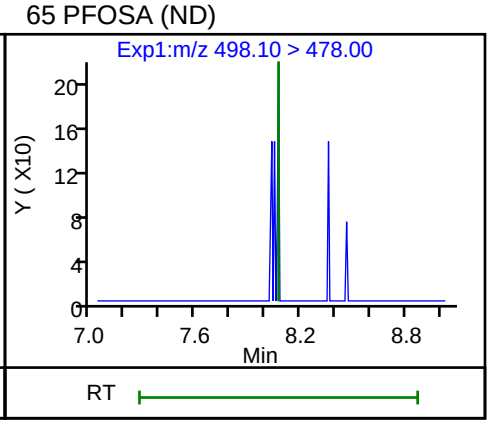
D 66 13C8 FOSA



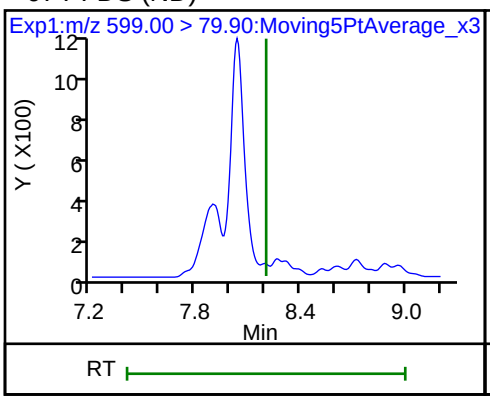
65 PFOSA (ND)



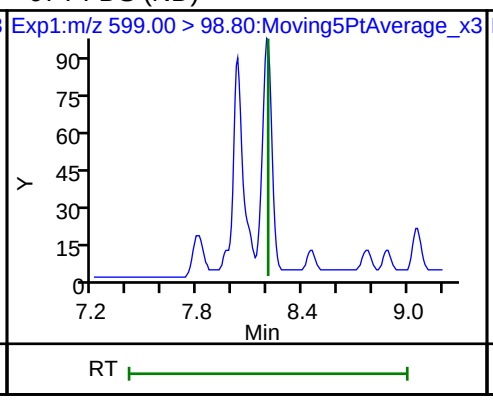
65 PFOSA (ND)



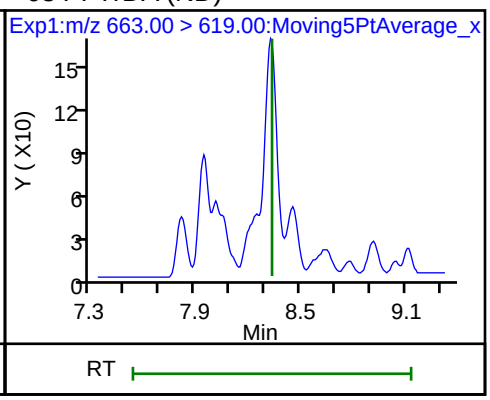
67 PFDS (ND)



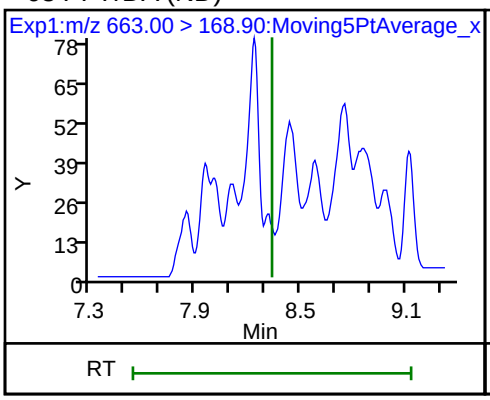
67 PFDS (ND)



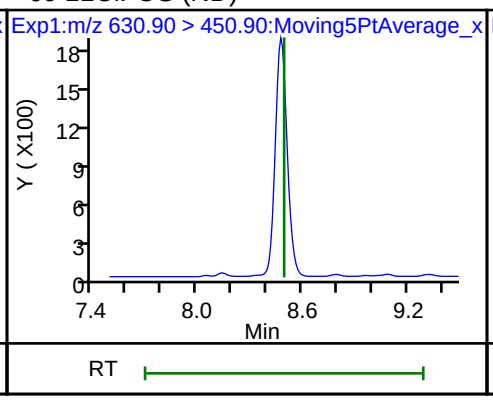
68 PFTrDA (ND)



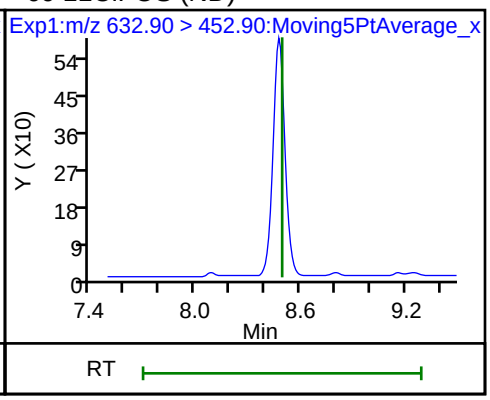
68 PFTrDA (ND)



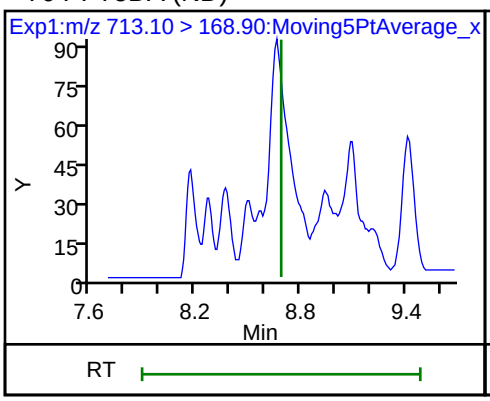
69 11ClFOS (ND)



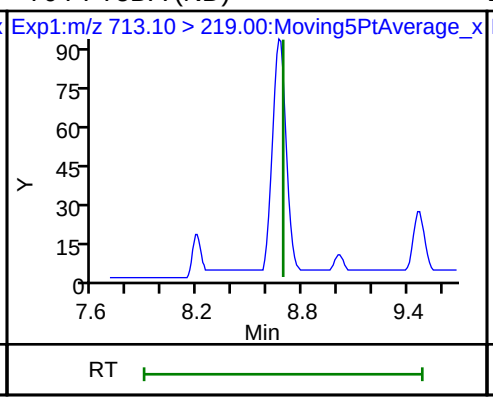
69 11ClFOS (ND)



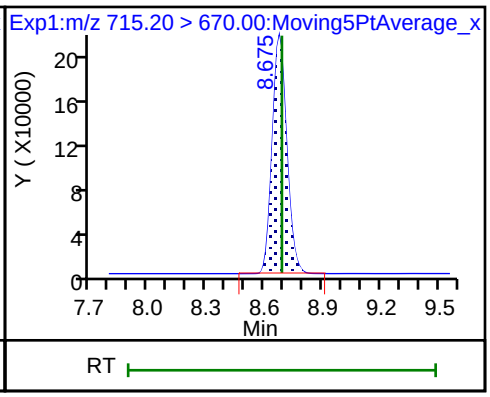
70 PFTeDA (ND)



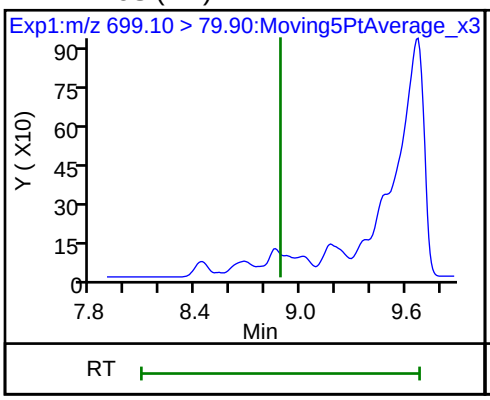
70 PFTeDA (ND)



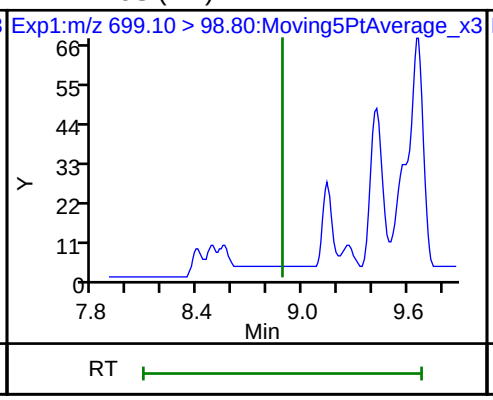
D 71 13C2 PFTeDA



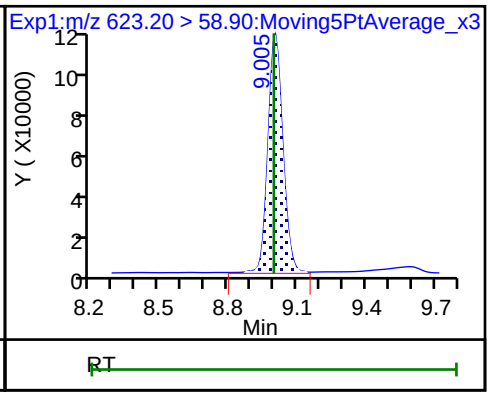
72 PFDoS (ND)



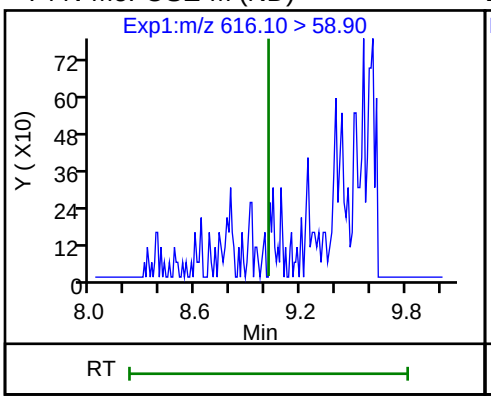
72 PFDoS (ND)



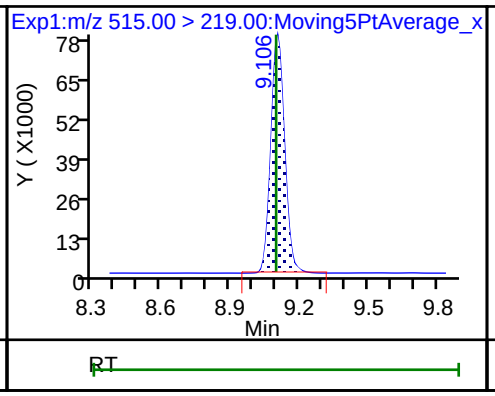
D 73 d7-N-Me-FOSE



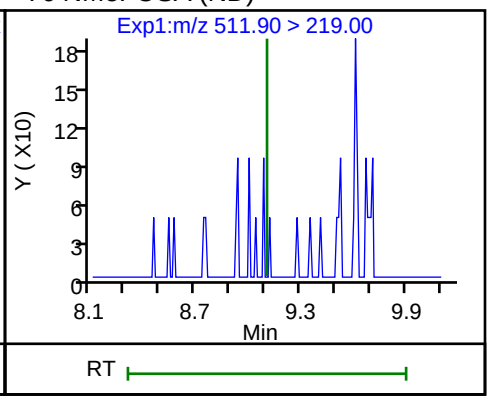
74 N-MeFOSE-M (ND)



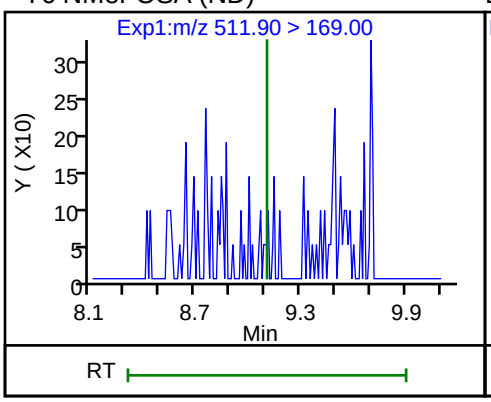
D 75 d3-NMePFOSA



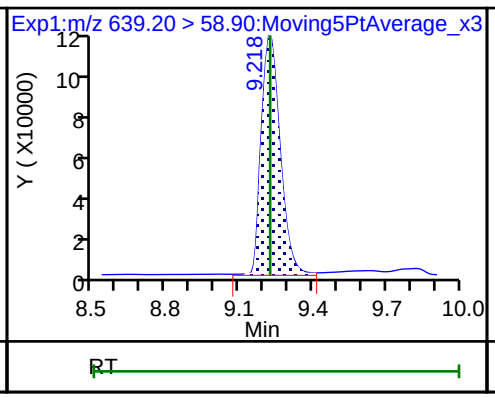
76 NMeFOSA (ND)



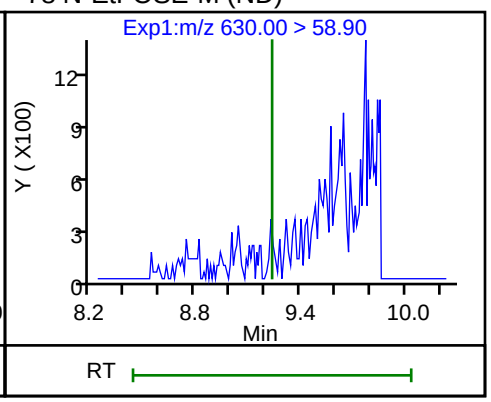
76 NMeFOSA (ND)



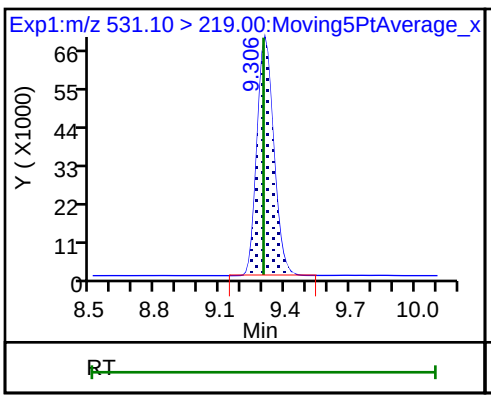
D 77 d9-N-EtFOSE



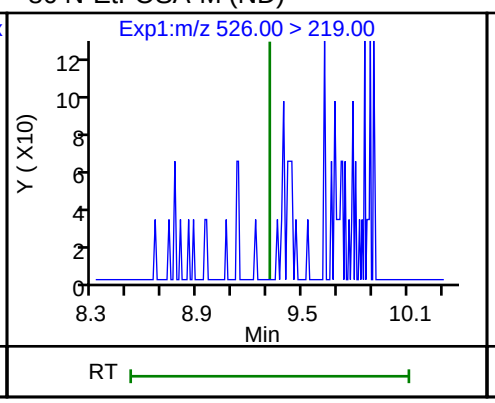
78 N-EtFOSE-M (ND)



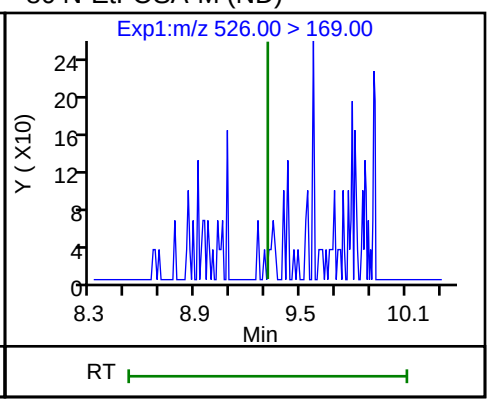
D 79 d5-NEtPFOSA



80 N-EtFOSA-M (ND)



80 N-EtFOSA-M (ND)



FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: MW-20D-FD-021325
Lab Sample ID: 410-209941-4

Matrix: Water
Lab File ID: 25MAR05W-84.d

Analysis Method: 1633
Date Collected: 02/13/2025 13:29

Extraction Method: 1633
Date Extracted: 03/05/2025 07:58

Sample wt/vol: 123.4(mL)
Date Analyzed: 03/06/2025 07:41

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613042
Units: ng/L

Preparation Batch No.: 613015
Instrument ID: 29347

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	7.1		4.1	1.1
2706-90-3	Perfluoropentanoic acid	14		2.0	0.61
307-24-4	Perfluorohexanoic acid	12		2.0	0.51
375-85-9	Perfluoroheptanoic acid	7.6		2.0	0.81
335-67-1	Perfluorooctanoic acid	19		2.0	0.91
375-95-1	Perfluorononanoic acid	6.4		2.0	0.51
335-76-2	Perfluorodecanoic acid	1.1	J	2.0	0.51
2058-94-8	Perfluoroundecanoic acid	ND		2.0	0.51
307-55-1	Perfluorododecanoic acid	ND		2.0	0.51
72629-94-8	Perfluorotridecanoic acid	ND		2.0	0.51
376-06-7	Perfluorotetradecanoic acid	ND		2.0	0.51
375-73-5	Perfluorobutanesulfonic acid	2.9		2.0	0.51
2706-91-4	Perfluoropentanesulfonic acid	ND		2.0	0.51
355-46-4	Perfluorohexanesulfonic acid	1.6	J	2.0	0.81
375-92-8	Perfluoroheptanesulfonic acid	ND		2.0	0.51
1763-23-1	Perfluorooctanesulfonic acid	37		2.0	0.51
68259-12-1	Perfluorononanesulfonic acid	ND		2.0	0.51
335-77-3	Perfluorodecanesulfonic acid	ND		2.0	0.51
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.61
757124-72-4	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		4.1	1.0
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.1	1.0
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		4.1	1.0
754-91-6	Perfluorooctanesulfonamide	ND		2.0	0.51
31506-32-8	NMeFOSA	ND		2.0	0.51
4151-50-2	N-ethylperfluoro-1-octanesulfonamide	ND		2.0	0.51
2355-31-9	NMeFOSAA	ND		2.0	0.51
2991-50-6	NEtFOSAA	ND		2.0	0.51

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Client Sample ID: MW-20D-FD-021325 Lab Sample ID: 410-209941-4

Matrix: Water Lab File ID: 25MAR05W-84.d

Analysis Method: 1633 Date Collected: 02/13/2025 13:29

Extraction Method: 1633 Date Extracted: 03/05/2025 07:58

Sample wt/vol: 123.4(mL) Date Analyzed: 03/06/2025 07:41

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 7(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613042 Units: ng/L

Preparation Batch No.: 613015 Instrument ID: 29347

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
24448-09-7	2-(N-methylperfluoro-1-octanesulfonamido) ethanol	ND		10	2.5
1691-99-2	2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	ND		10	2.5
13252-13-6	HFPO-DA	ND		2.0	0.76
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.51
377-73-1	Perfluoro-3-methoxypropanoic acid	ND		2.0	0.51
863090-89-5	Perfluoro(4-methoxybutanoic acid)	ND		2.0	0.51
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid	ND	cn	2.0	0.51
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND		2.0	0.51
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		2.0	0.51
113507-82-7	PFEESA	ND		2.0	0.51
356-02-5	3:3 FTCA	ND		4.1	1.0
914637-49-3	5:3 FTCA	ND		10	2.8
812-70-4	7:3 FTCA	ND		10	2.5

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: MW-20D-FD-021325
Lab Sample ID: 410-209941-4

Matrix: Water
Lab File ID: 25MAR05W-84.d

Analysis Method: 1633
Date Collected: 02/13/2025 13:29

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Date Analyzed: 03/06/2025 07:41

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Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture:
% Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613042
Units: ng/L

Preparation Batch No.: 613015
Instrument ID: 29347

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	84.7		5-130
STL01893	13C5 PFPeA	89.5		40-130
STL02577	13C5 PFHxA	83.0		40-130
STL01892	13C4 PFHpA	93.7		40-130
STL01052	13C8 PFOA	85.3		40-130
STL02578	13C9 PFNA	84.8		40-130
STL02579	13C6 PFDA	78.8		40-130
STL02580	13C7 PFUnA	82.9		30-130
STL02116	13C2 PFTeDA	84.9		10-130
STL02337	13C3 PFBS	77.5		40-135
STL02581	13C3 PFHxS	84.9		40-130
STL01054	13C8 PFOS	89.5		40-130
STL01056	13C8 FOSA	70.5		40-130
STL02118	d3-NMeFOSAA	83.2		40-170
STL02117	d5-NEtFOSAA	82.4		25-135
STL02395	M2-4:2 FTS	74.3		40-200
STL02279	M2-6:2 FTS	92.1		40-200
STL02280	M2-8:2 FTS	74.3		40-300
STL02255	13C3 HFPO-DA	85.4		40-130
STL02277	d7-N-MeFOSE-M	67.6		10-130
STL02278	d9-N-EtFOSE-M	67.0		10-130
STL02704	d5-NEtPFOSA	52.3		10-130
STL02705	d3-NMePFOSA	52.0		10-130
STL00998	13C2 PFDoA	71.7		10-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\25MAR05W-84.d
Lims ID: 410-209941-A-4-B
Client ID: MW-20D-FD-021325
Sample Type: Client
Inject. Date: 06-Mar-2025 07:41:27 ALS Bottle#: 40 Worklist Smp#: 146
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: 410-209941-A-4-B
Misc. Info.: Plate: 1 Rack: 1 410-0139917-146
Operator ID: US19_USR_INS00012E Instrument ID: 29347

Method: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\29347_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 06-Mar-2025 18:01:56 Calib Date: 27-Feb-2025 16:49:35
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1676

First Level Reviewer: JU9U Date: 06-Mar-2025 17:45:22
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 4 13C4-PFBA										
216.80 > 171.90	4.108	4.116	-0.008	1.000	2066688	1.69		84.7	51801	
3 PFBA										
212.80 > 168.90	4.108	4.116	-0.008	1.000	176721	0.1760			81.7	
* 5 13C3PFBA										
216.00 > 172.00	4.108	4.116	-0.008		2130096	2.00			315	
8 PFPA										
263.00 > 219.00	4.708	4.711	-0.003	1.000	257514	0.3555			2552	
D 9 13C5 PFPeA										
268.30 > 223.00	4.708	4.711	-0.003	0.894	887494	1.79		89.5	38806	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.050	5.063	-0.013	0.780	470036	3.48		74.3	16221	
16 PFHxA										
313.00 > 269.00	5.268	5.272	-0.004	1.000	257632	0.3000	Target=13.05		2526	
313.00 > 118.90	5.259	5.272	-0.013	0.998	20120		12.80(6.53-19.58)		999	
D 17 13C5 PFHxA										
318.00 > 273.00	5.268	5.281	-0.013	1.000	1720917	1.66		83.0	68589	
* 15 13C2 PFHxA										
315.10 > 270.00	5.268	5.281	-0.013		4798717	5.00			107946	
19 PFBS										
298.70 > 79.90	5.403	5.418	-0.015	0.998	100357	0.0724	Target=3.09		2481	
298.70 > 98.80	5.403	5.418	-0.015	0.998	39389		2.55(1.55-4.64)		1423	
D 20 13C3 PFBS										
302.10 > 79.90	5.414	5.418	-0.004	0.836	2366480	1.44		77.5	73206	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.480	5.496	-0.016	1.040	1139138	1.71		85.4	51515	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
26 PFHpA										
363.10 > 319.00	5.776	5.790	-0.014	1.000	242669	0.1872	Target=3.46		856	
363.10 > 169.00	5.776	5.790	-0.014	1.000	69959		3.47(1.73-5.19)		1194	
D 27 13C4 PFHpA										
367.10 > 322.00	5.776	5.790	-0.014	1.096	2375892	1.87		93.7	90771	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.020	6.031	-0.011	0.930	410597	4.38		92.1	22088	
D 34 13C8 PFOA										
421.10 > 376.00	6.243	6.254	-0.011	1.000	2321106	1.71		85.3	123225	
* 35 13C4 PFOA										
417.10 > 372.00	6.243	6.254	-0.011		6710260	5.00			624657	
36 PFOA										
413.00 > 369.00	6.243	6.254	-0.011	1.000	505484	0.4689	Target=2.10		83316	
413.00 > 169.00	6.243	6.254	-0.011	1.000	232105		2.18(1.05-3.15)		62038	
* 38 18O2 PFHxS										
403.00 > 83.90	6.476	6.496	-0.020		2862541	1.89			141514	
40 PFHxS										
398.70 > 79.90	6.486	6.496	-0.010	1.002	68844	0.0397	Target=2.96		17476	
398.70 > 98.90	6.476	6.496	-0.020	1.000	23663		2.91(1.48-4.44)		28.5	
D 39 13C3 PFHxS										
402.10 > 79.90	6.476	6.496	-0.020	1.000	2389083	1.61		84.9	67537	
* 43 13C5 PFNA										
468.00 > 423.00	6.681	6.701	-0.020		2822056	2.00			121898	
42 PFNA										
463.00 > 419.00	6.574	6.701	-0.127	0.984	172461	0.1592	Target=5.06		8821	
463.00 > 219.00	6.681	6.701	-0.020	1.000	33847		5.10(2.53-7.59)		41.7	
D 41 13C9 PFNA										
472.10 > 427.00	6.681	6.701	-0.020	1.000	2339876	1.70		84.8	101080	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.880	6.898	-0.018	1.062	209498	3.57		74.3	12006	
D 50 d3-NMeFOSAA										
573.20 > 419.00	7.050	7.058	-0.008	0.955	2373363	4.16		83.2	107525	
51 PFDA										M
512.90 > 469.00	7.111	7.128	-0.017	1.000	23817	0.0263	Target=6.65		517	
512.90 > 219.00	7.102	7.128	-0.026	0.999	3588		6.64(3.33-9.98)		274	M
D 53 13C6 PFDA										
519.10 > 474.10	7.111	7.128	-0.017	1.000	1721696	1.58		78.8	76965	
* 52 13C2 PFDA										
515.10 > 470.10	7.111	7.128	-0.017		2133310	2.00			119308	
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.228	7.246	-0.018	0.979	2021294	4.12		82.4	87981	
D 56 13C8 PFOS										
507.10 > 79.90	7.380	7.388	-0.008	1.000	2518496	1.71		89.5	59702	
58 PFOS										
498.90 > 79.90	7.380	7.388	-0.008	1.000	1390974	0.9163	Target=3.87		163772	
498.90 > 98.80	7.380	7.388	-0.008	1.000	348164		4.00(1.93-5.80)		695	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 57 13C4 PFOS										
502.80 > 79.90	7.380	7.398	-0.018		2992660	1.91			106712	
D 60 13C7 PFUnA										
570.00 > 525.10	7.531	7.551	-0.020	1.059	1292393	1.66		82.9	87822	
D 64 PFDoA										
615.10 > 570.00	7.945	7.960	-0.015	1.117	901814	1.43		71.7	52515	
D 66 13C8 FOSA										
506.10 > 77.80	8.066	8.066	0.0	1.093	1993130	1.41		70.5	111664	
D 71 13C2 PFTeDA										
715.20 > 670.00	8.679	8.689	-0.010	1.221	1128887	1.70		84.9	53466	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.008	8.998	0.010	1.221	540368	3.38		67.6	4422	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.109	9.099	0.010	1.234	324445	1.04		52.0	19488	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.226	9.224	0.002	1.250	669702	3.35		67.0	2902	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.313	9.299	0.014	1.262	364844	1.05		52.3	17062	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_IS_V_00233 Amount Added: 50.00 Units: uL

Report Date: 06-Mar-2025 18:03:14 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\25MAR05W-84.d

Injection Date: 06-Mar-2025 07:41:27 Instrument ID: 29347

Lims ID: 410-209941-A-4-B Lab Sample ID: 410-209941-4

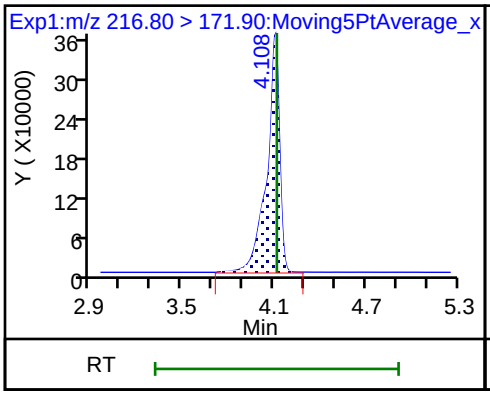
Client ID: MW-20D-FD-021325

Operator ID: US19_USR_INS00012E ALS Bottle#: 40 Worklist Smp#: 146

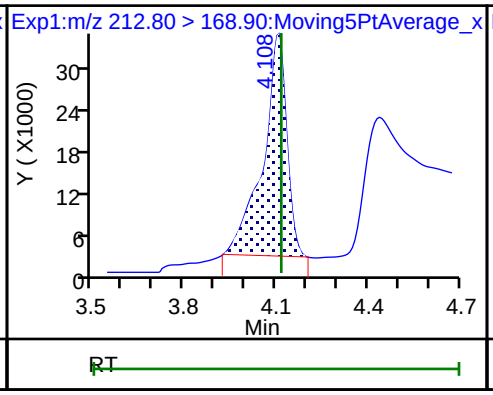
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 29347_1633Final Limit Group: LC - 1633 LVI- ICAL

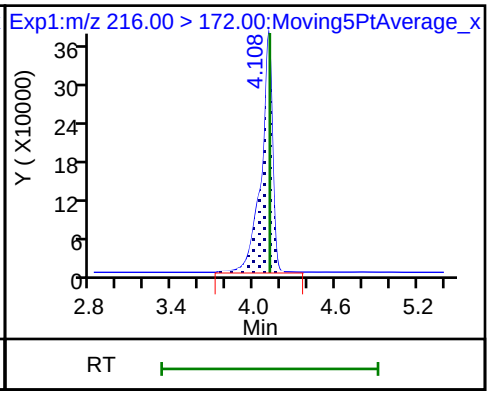
D 4 13C4-PFBA



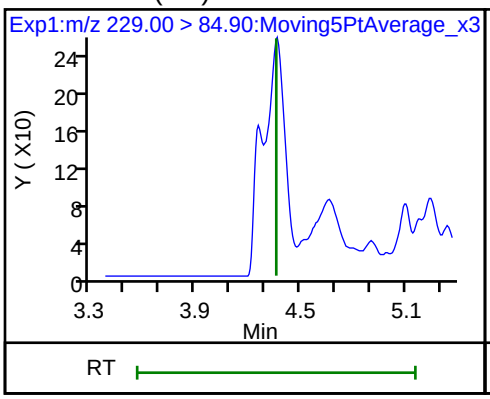
3 PFBA



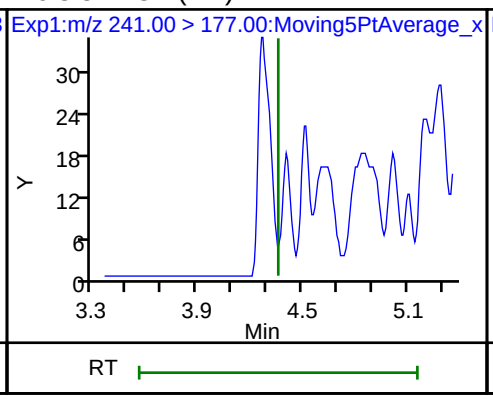
* 5 13C3PFBA



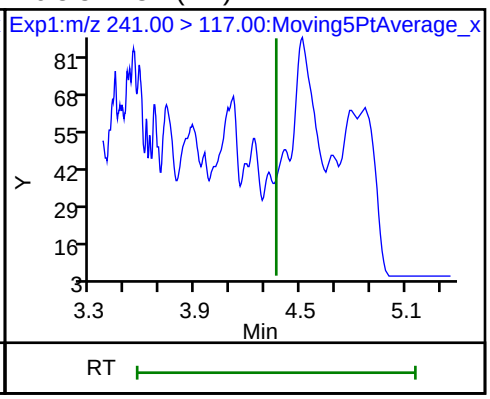
7 PFMPA (ND)



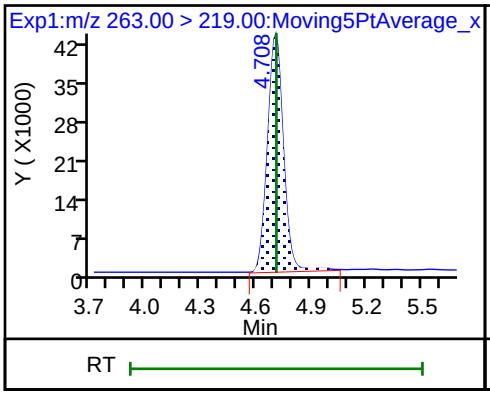
6 3:3 FTCA (ND)



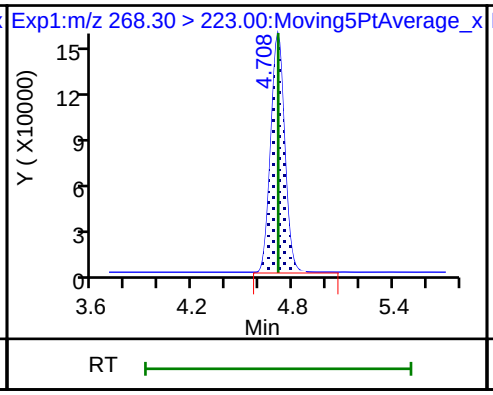
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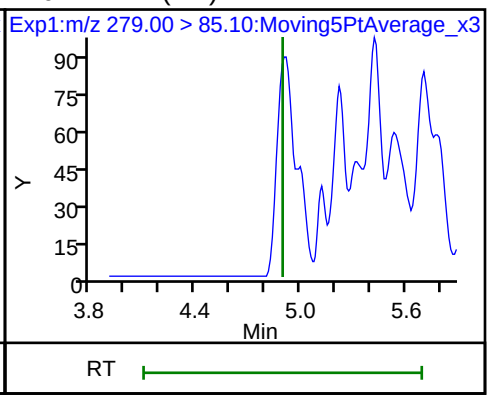
8 PFPA



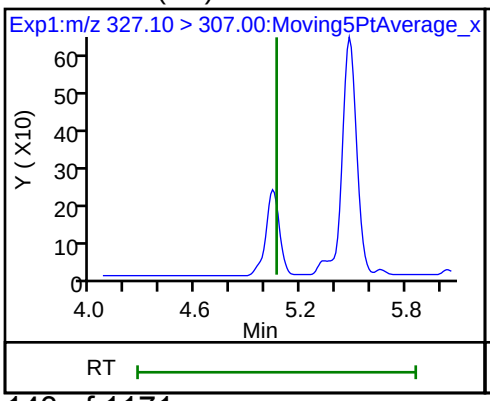
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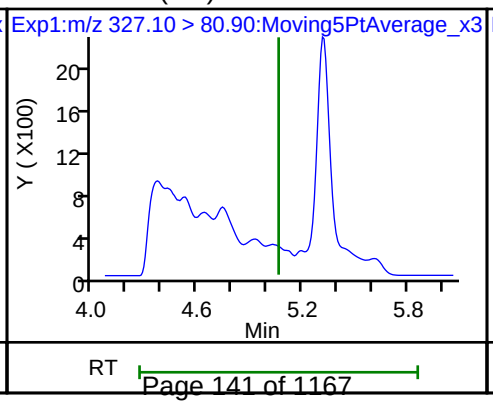
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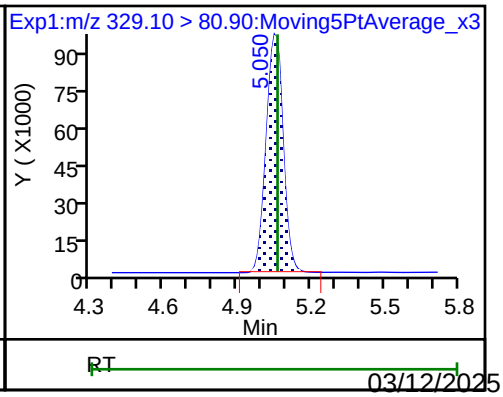
11 4:2FTS (ND)



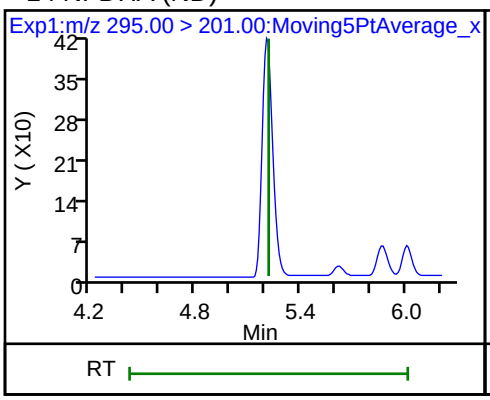
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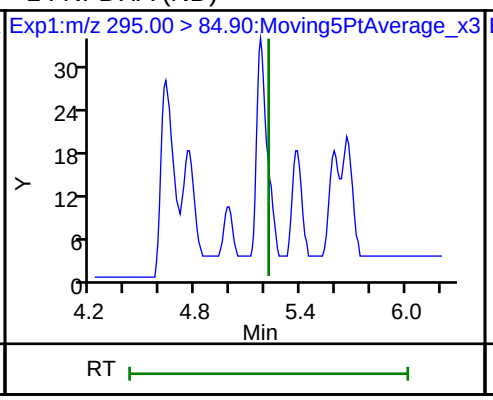
D 13 13C2-4:2FTS



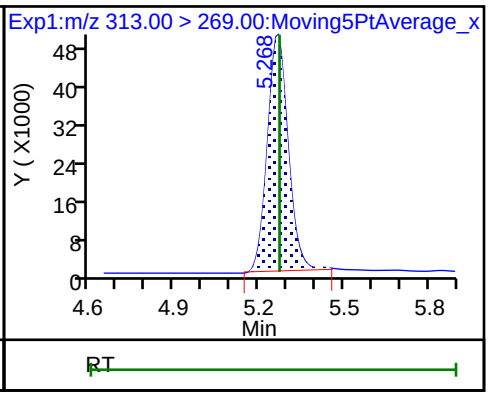
14 NFDHA (ND)



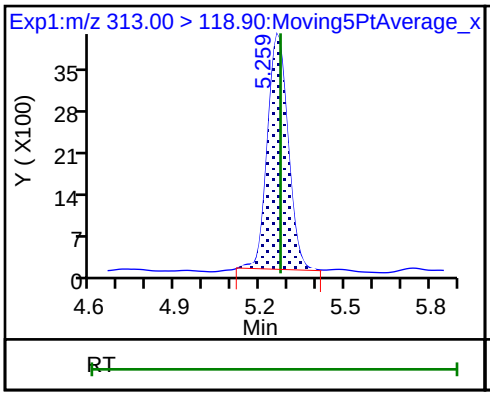
14 NFDHA (ND)



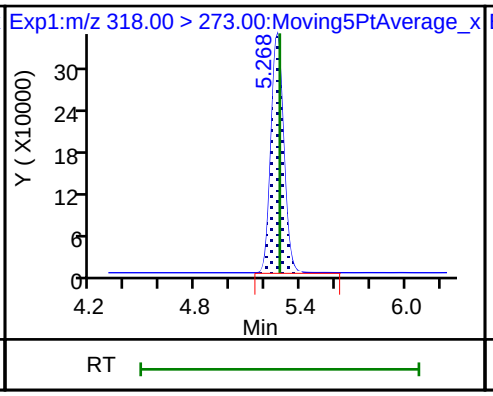
16 PFHxA



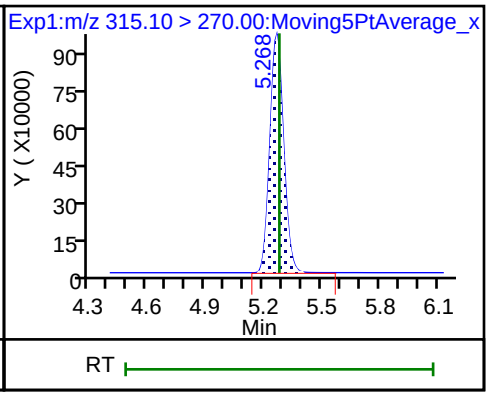
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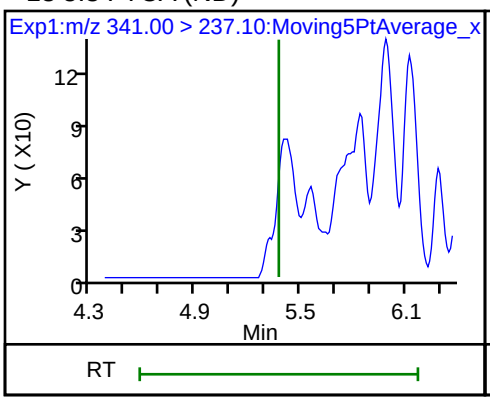
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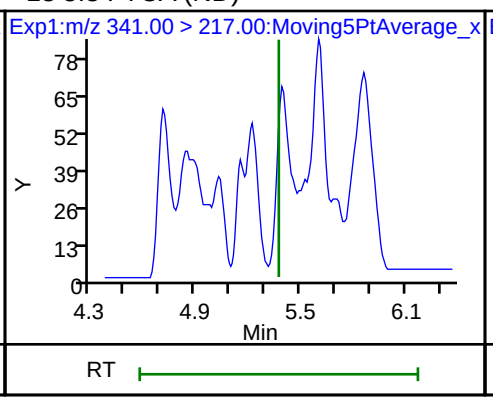
* 15 13C2 PFHxA



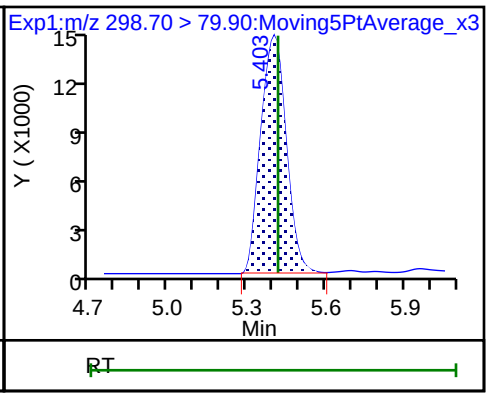
18 5:3 FTCA (ND)



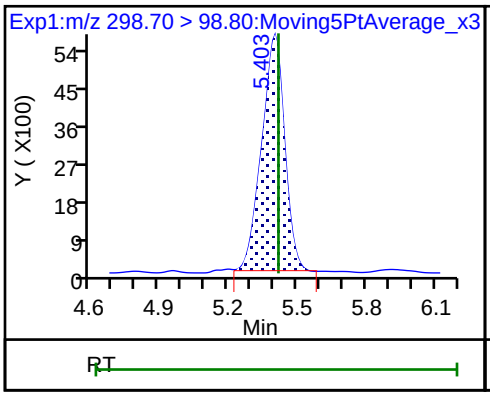
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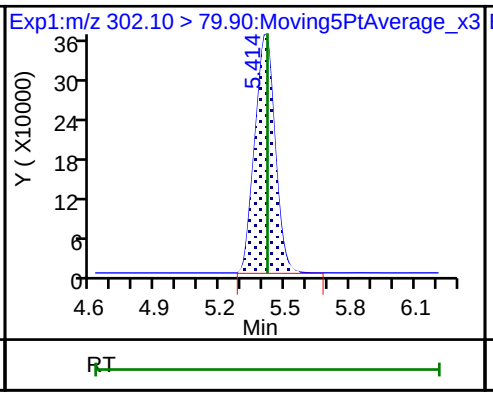
19 PFBS



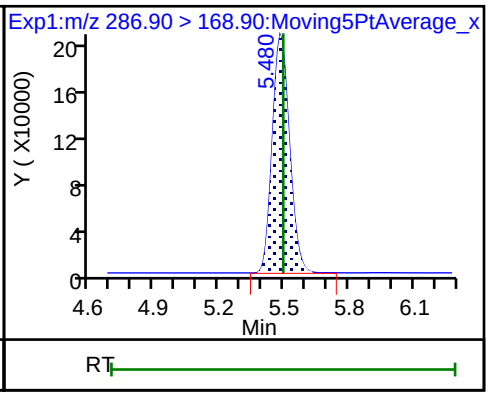
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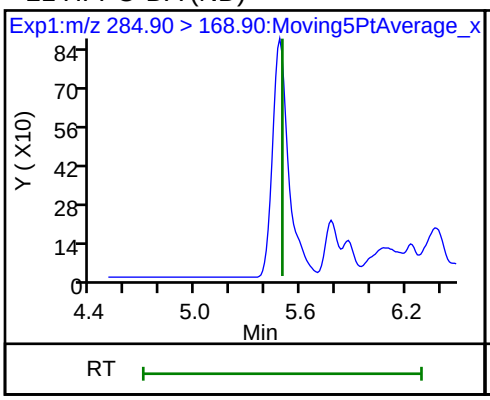
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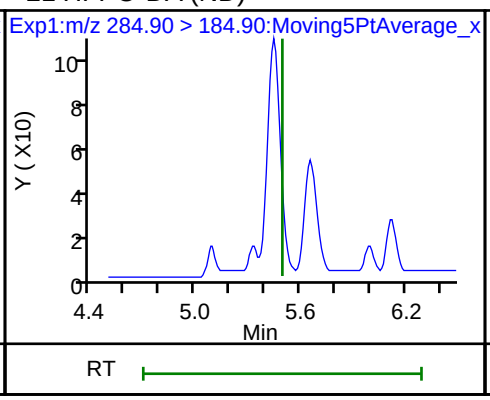
D 22 13C3 HFPO-DA



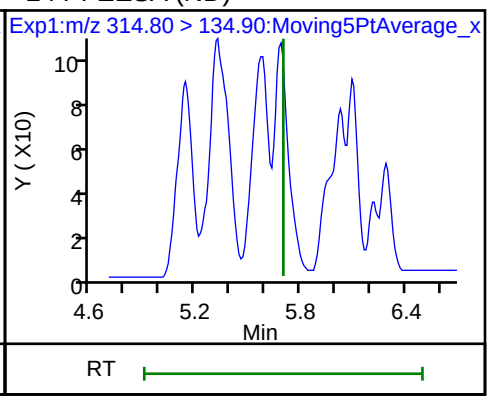
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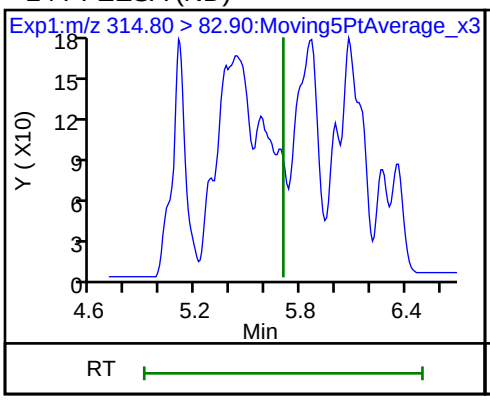
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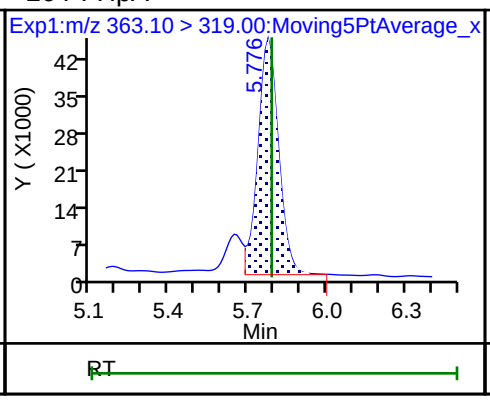
24 PFEESA (ND)



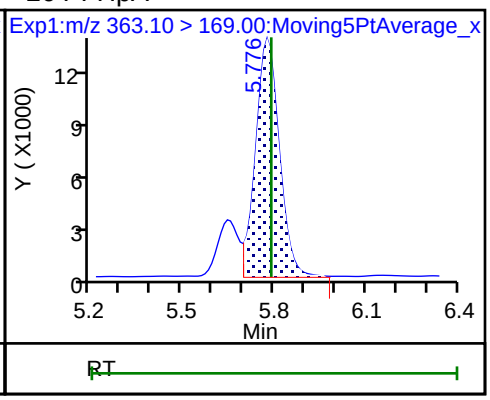
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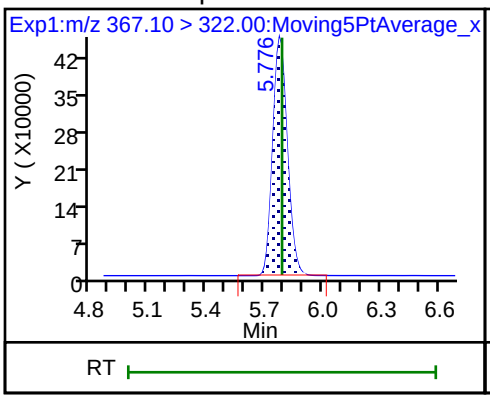
26 PFHpA



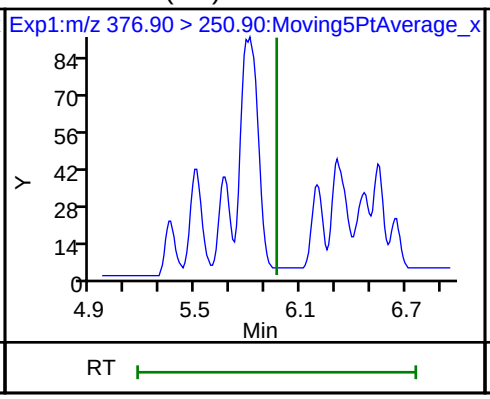
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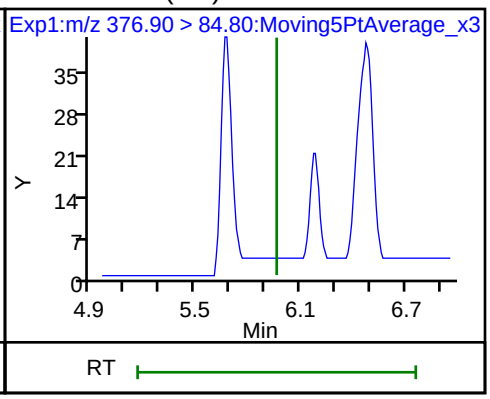
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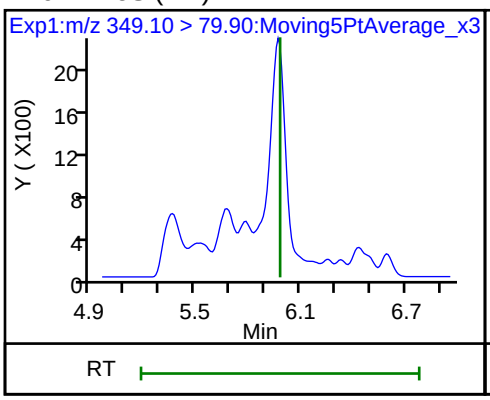
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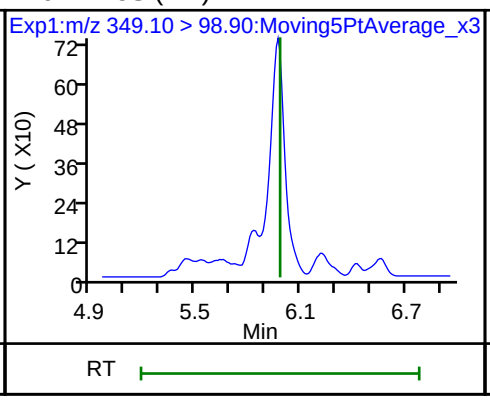
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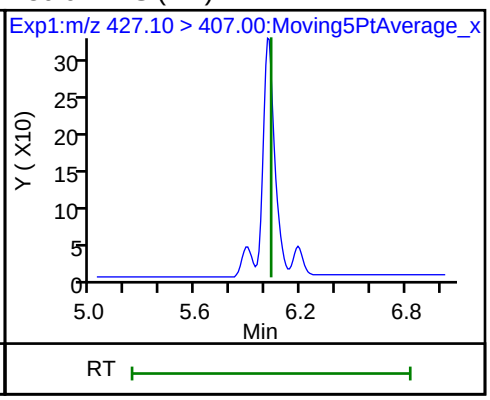
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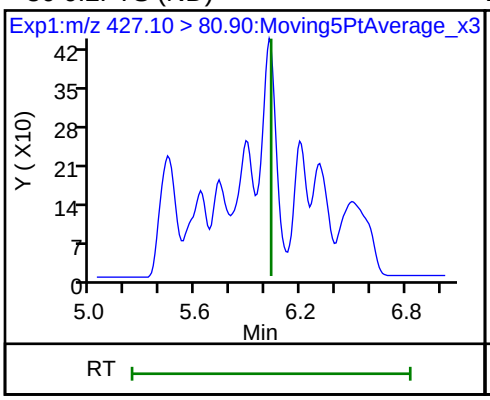
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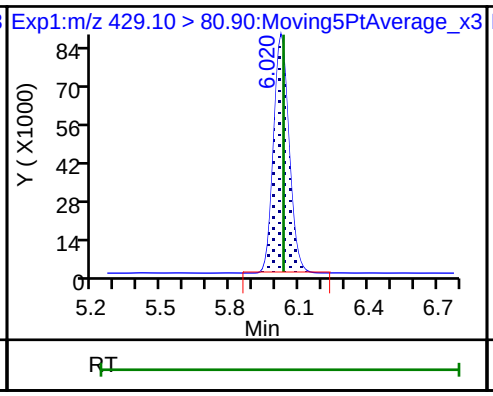
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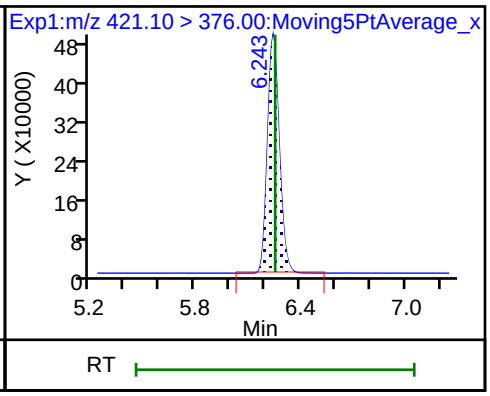
30 6:2FTS (ND)



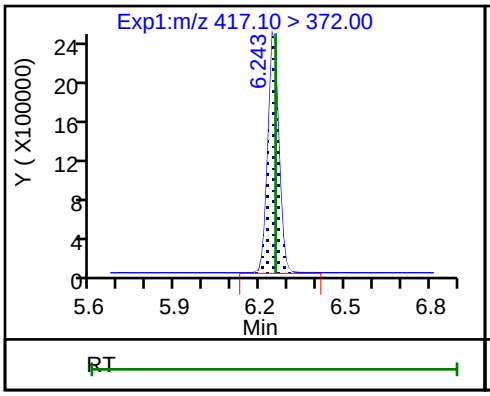
D 31 13C2-6:2FTS



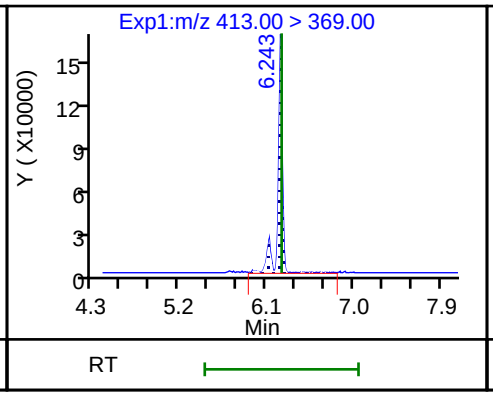
D 34 13C8 PFOA



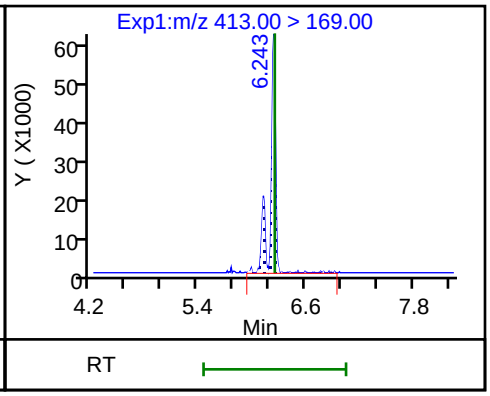
* 35 13C4 PFOA



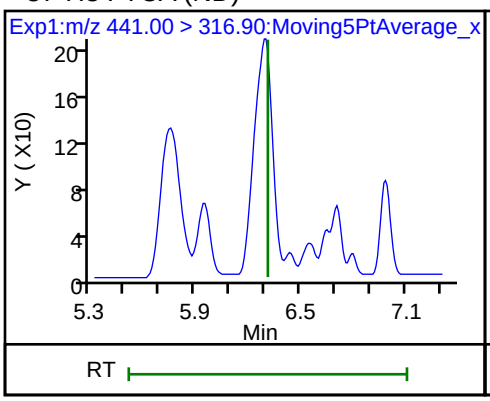
36 PFOA



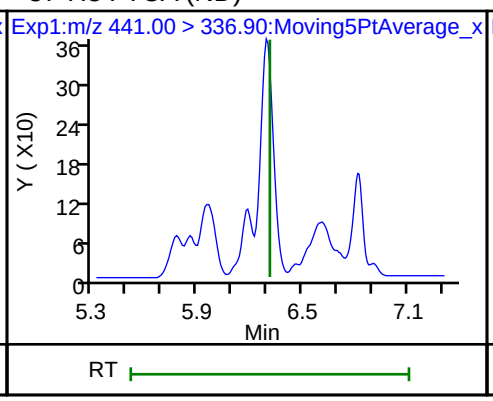
36 PFOA



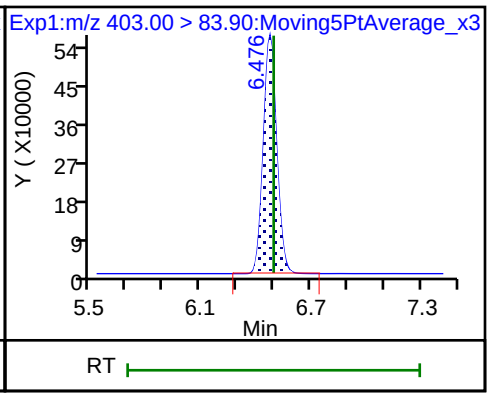
37 7:3 FTCA (ND)



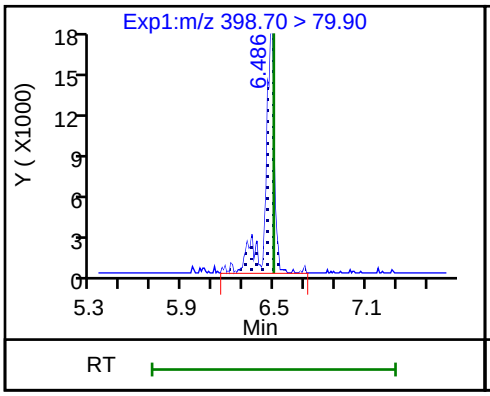
37 7:3 FTCA (ND)



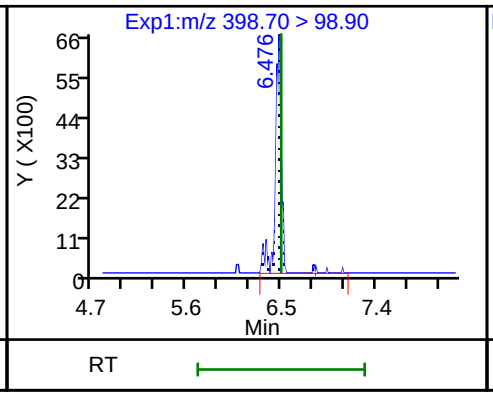
* 38 18O2 PFHxS



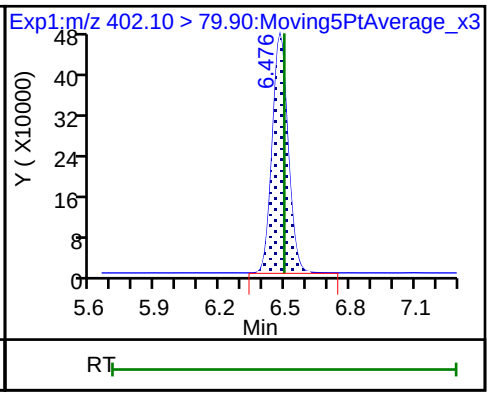
40 PFHxS



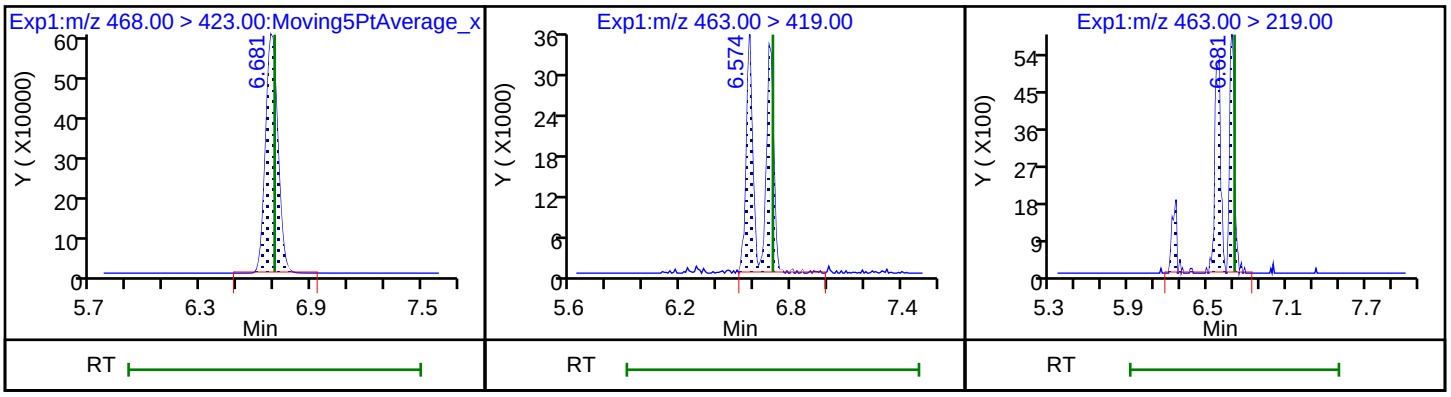
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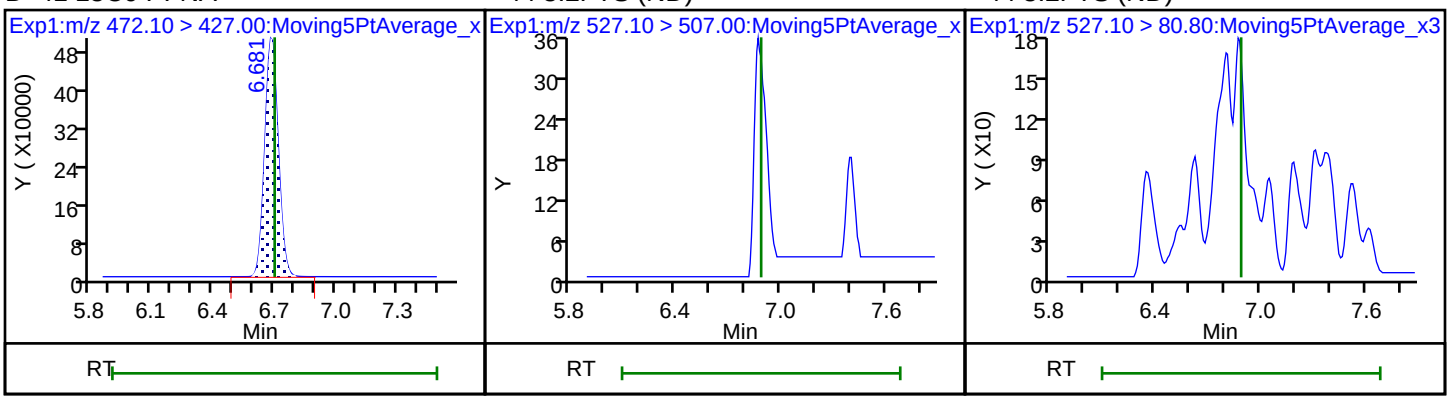
D 39 13C3 PFHxS



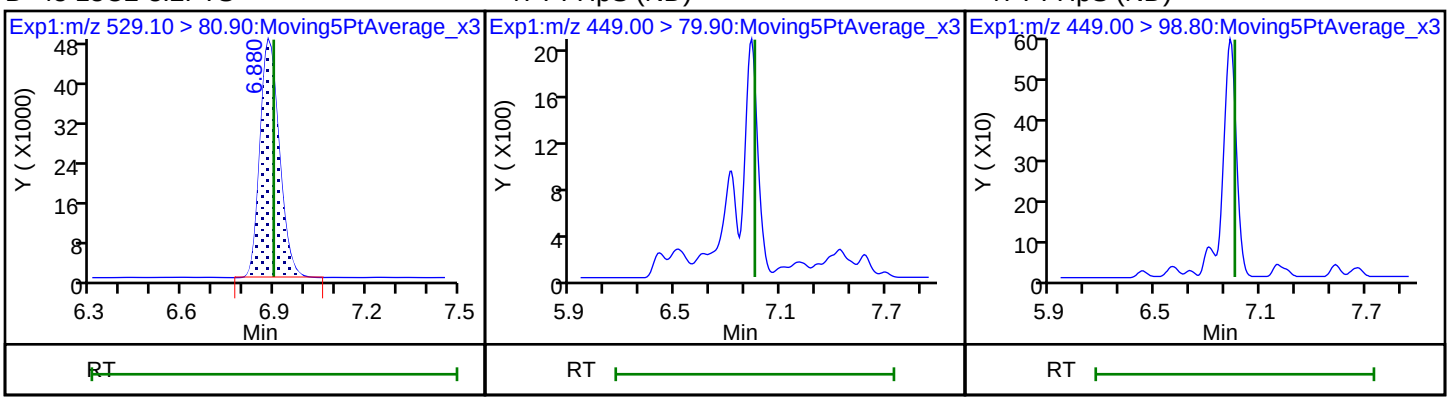
* 43 13C5 PFNA | 42 PFNA | 42 PFNA



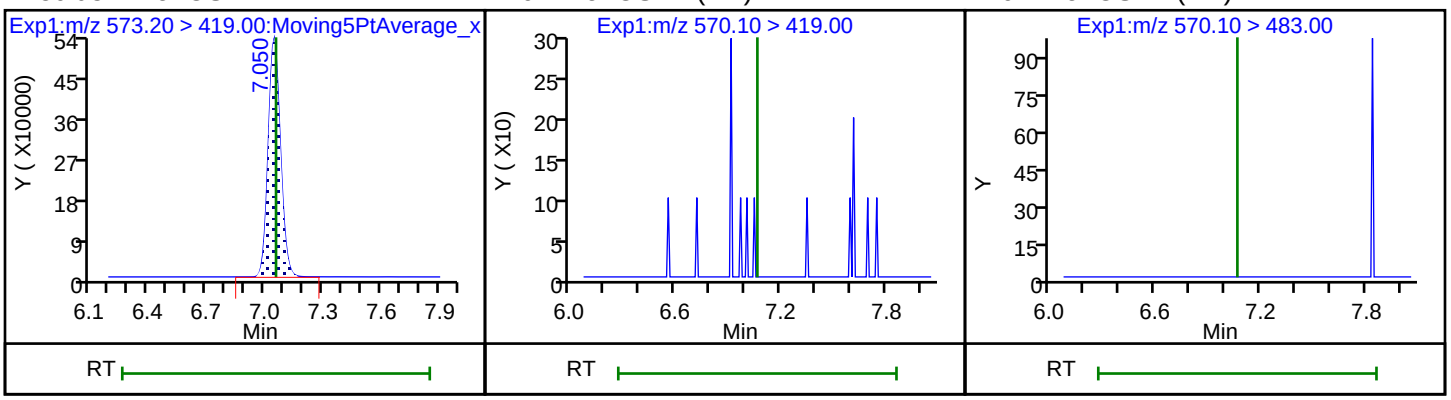
D 41 13C9 PFNA | 44 8:2FTS (ND) | 44 8:2FTS (ND)



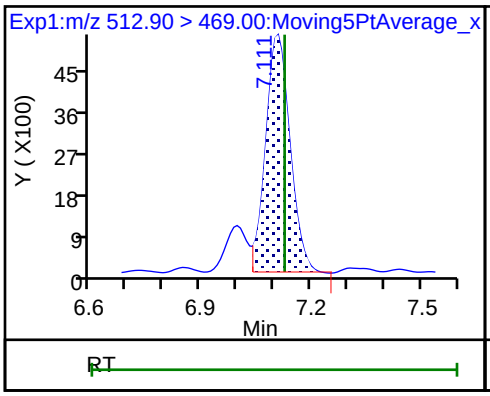
D 45 13C2-8:2FTS | 47 PFHpS (ND) | 47 PFHpS (ND)



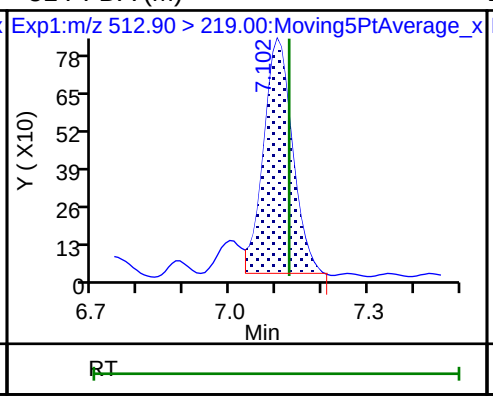
D 50 d3-NMeFOSAA | 49 NMeFOSAA (ND) | 49 NMeFOSAA (ND)



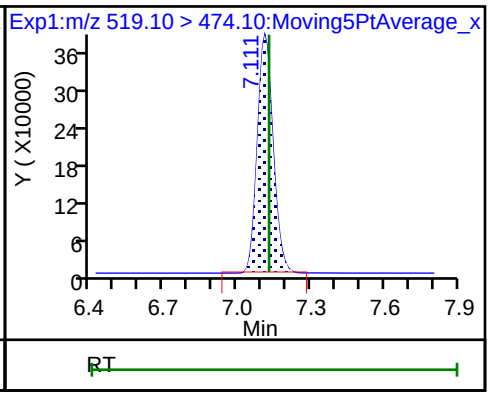
51 PFDA



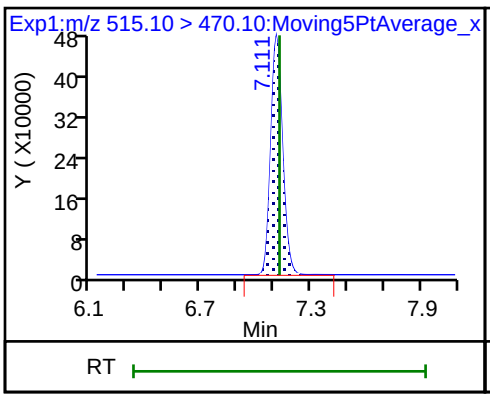
51 PFDA (M)



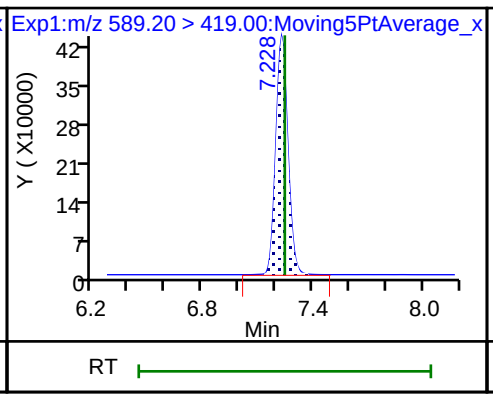
D 53 13C6 PFDA



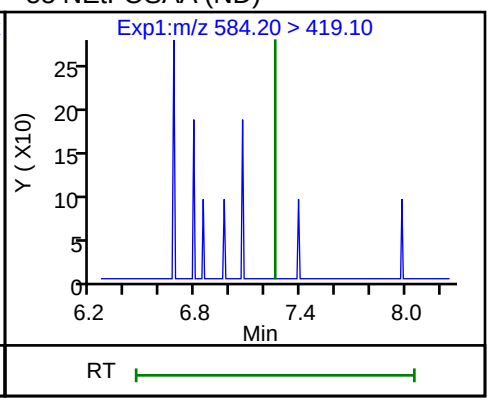
* 52 13C2 PFDA



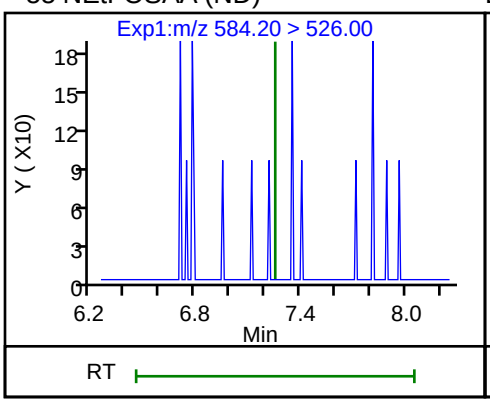
D 54 d5-NEtFOSAA



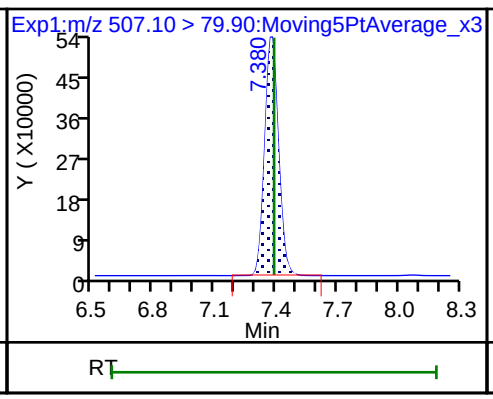
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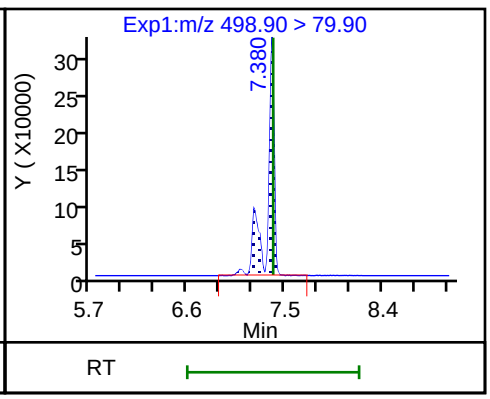
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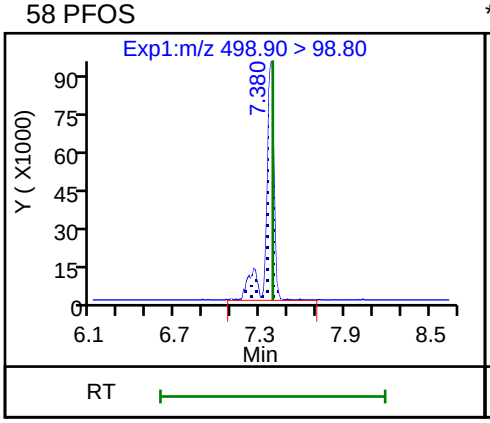
D 56 13C8 PFOS



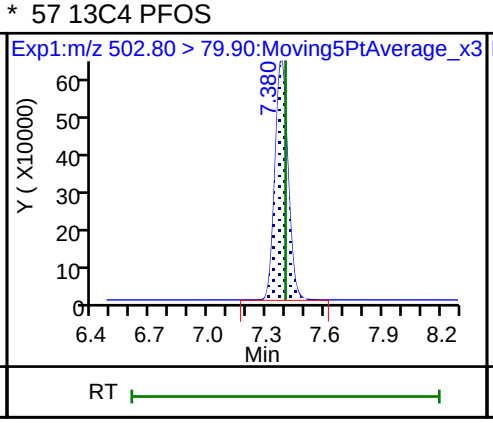
58 PFOS



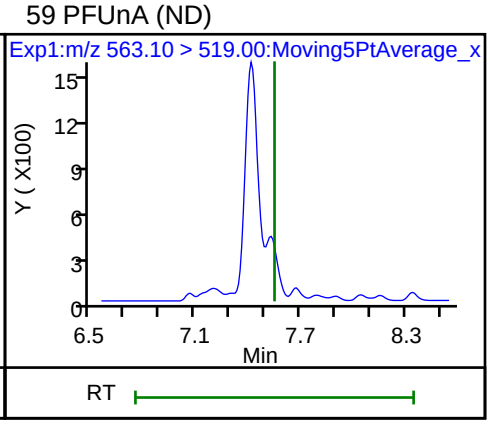
58 PFOS



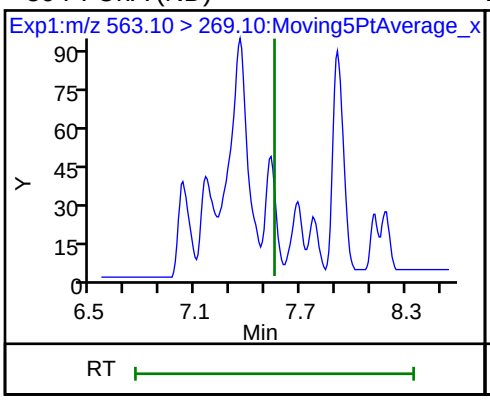
* 57 13C4 PFOS



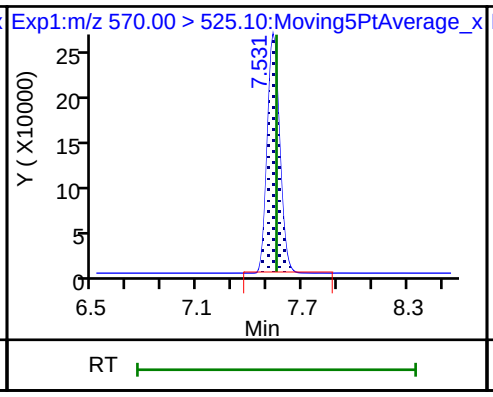
59 PFUnA (ND)



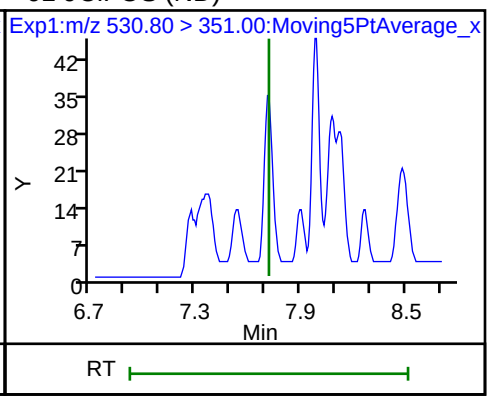
59 PFUnA (ND)



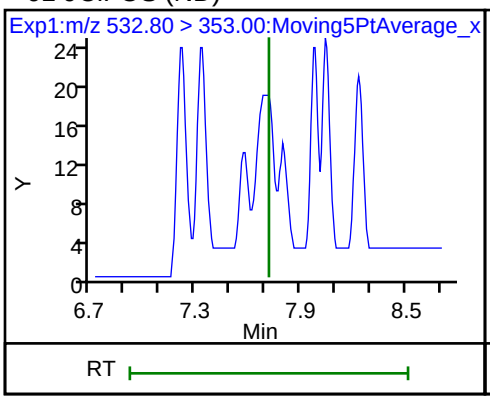
D 60 13C7 PFUnA



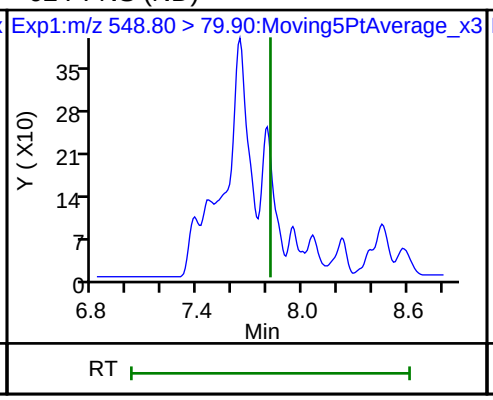
61 9ClFOS (ND)



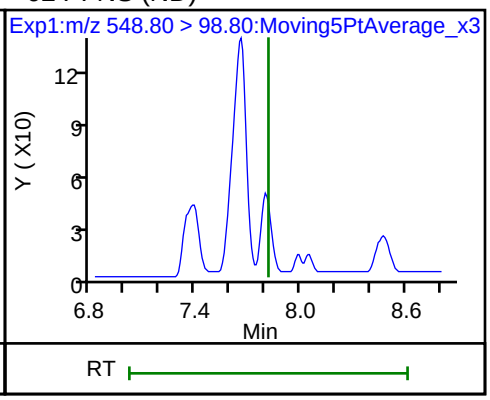
61 9ClFOS (ND)



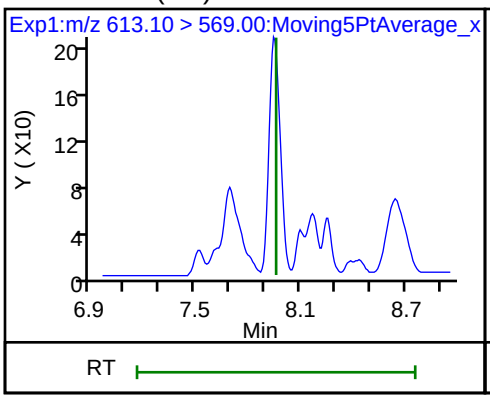
62 PFNS (ND)



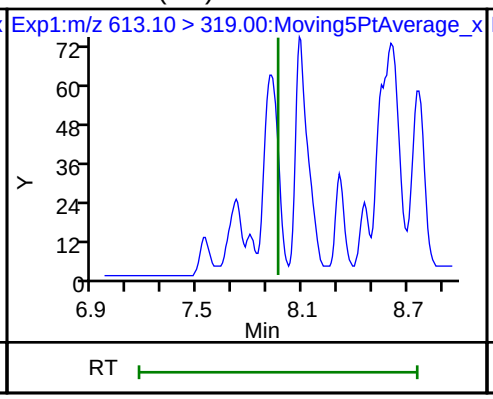
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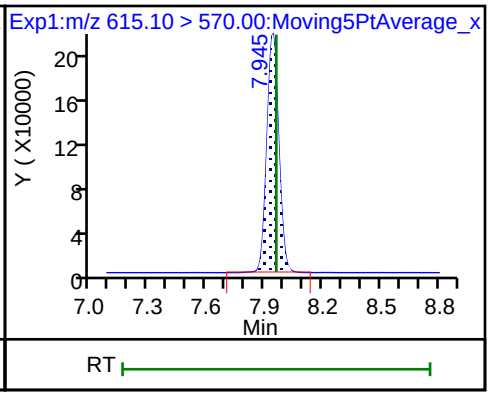
63 PFDoA (ND)



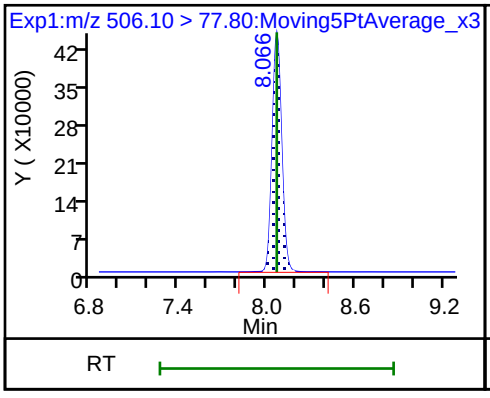
63 PFDoA (ND)



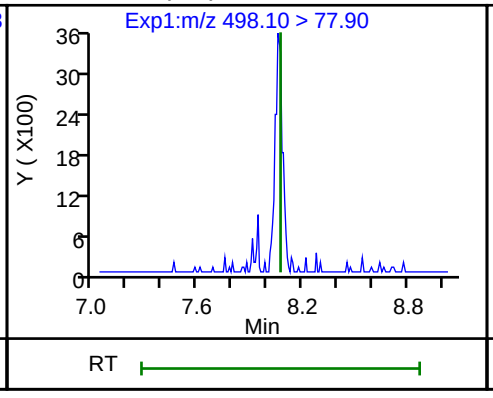
D 64 PFDoA



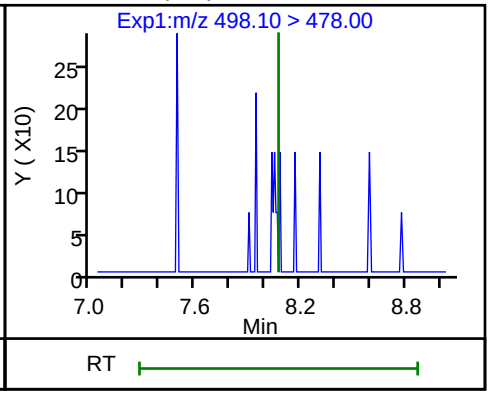
D 66 13C8 FOSA



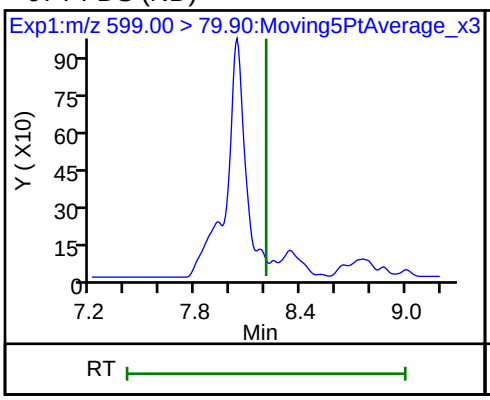
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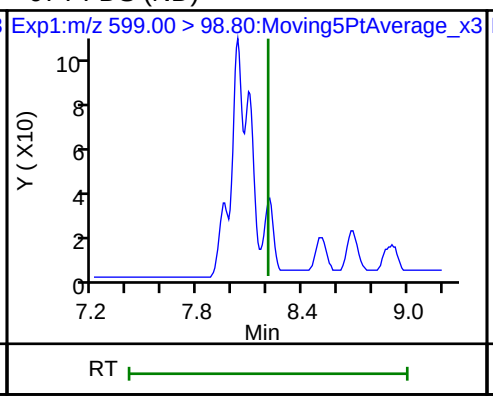
65 PFOSA (ND)



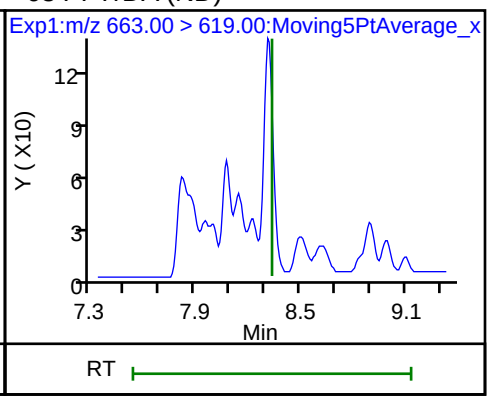
67 PFDS (ND)



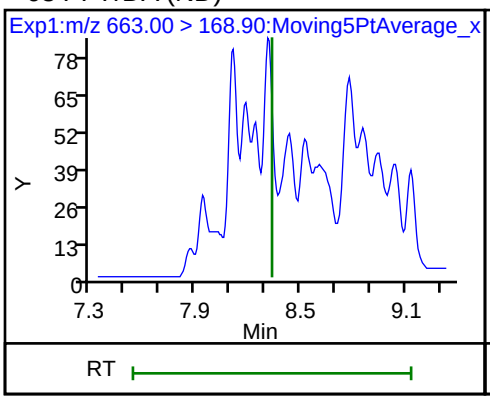
67 PFDS (ND)



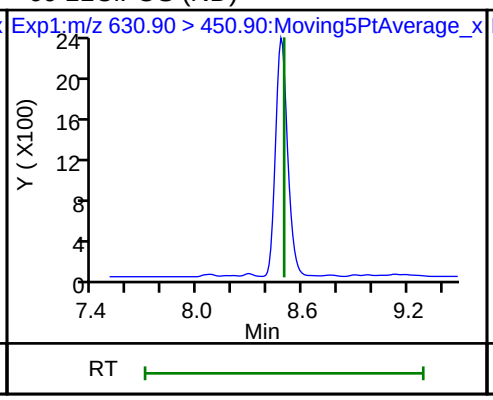
68 PFTrDA (ND)



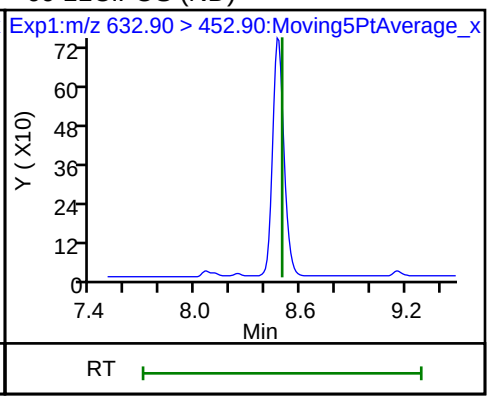
68 PFTrDA (ND)



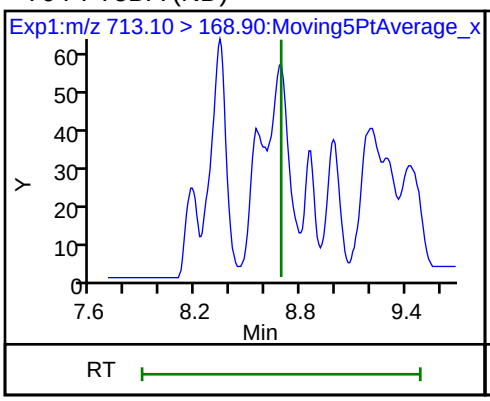
69 11ClFOS (ND)



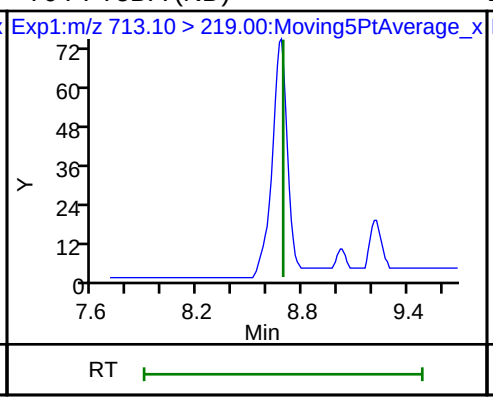
69 11ClFOS (ND)



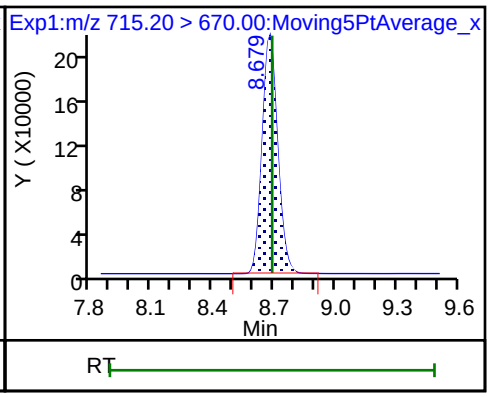
70 PFTeDA (ND)



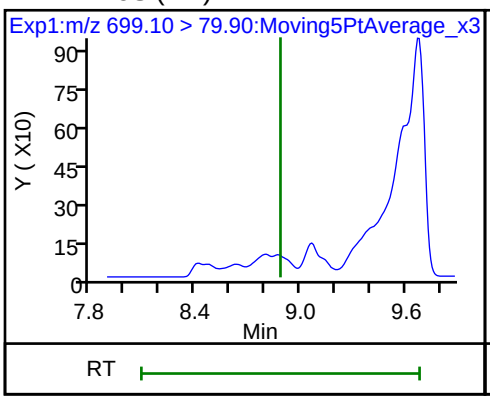
70 PFTeDA (ND)



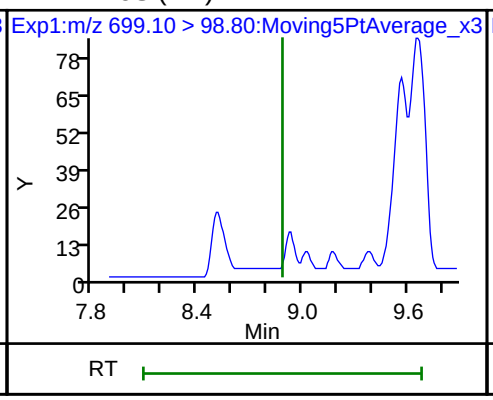
D 71 13C2 PFTeDA



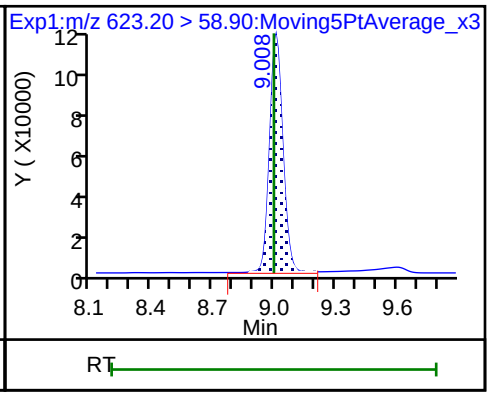
72 PFDoS (ND)



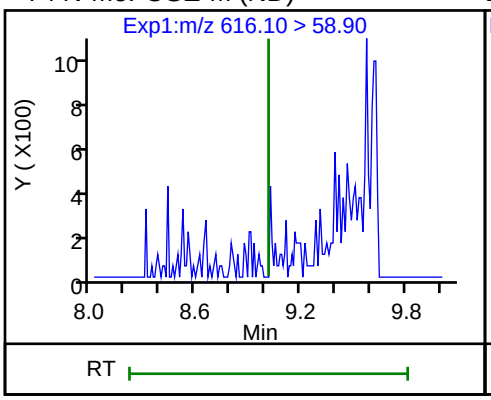
72 PFDoS (ND)



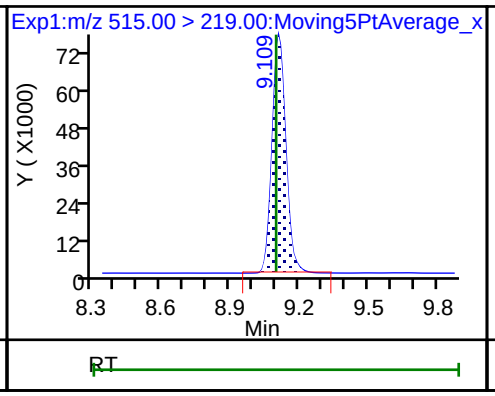
D 73 d7-N-Me-FOSE



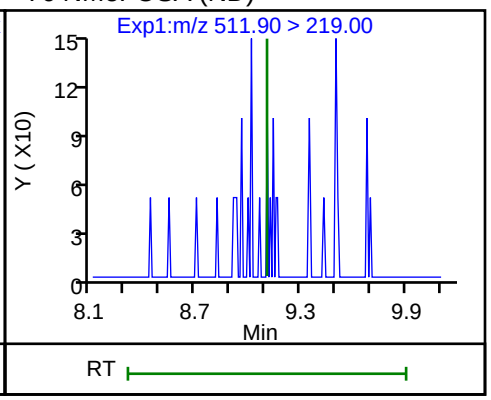
74 N-MeFOSE-M (ND)



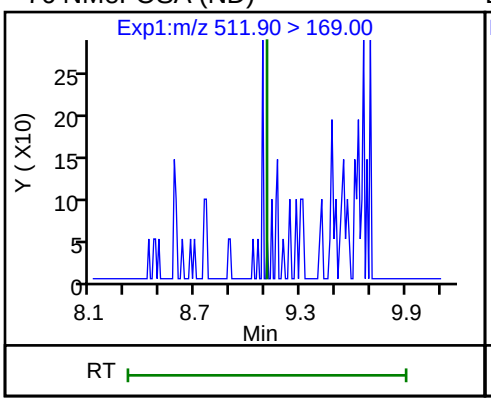
D 75 d3-NMePFOSA



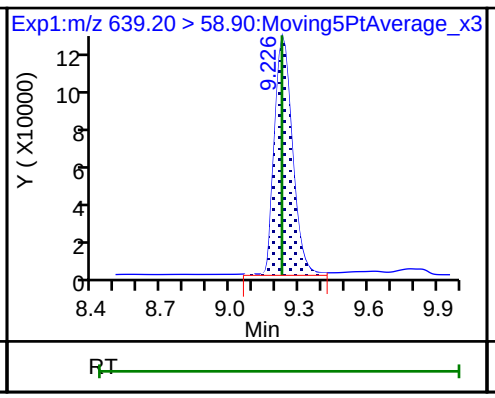
76 NMeFOSA (ND)



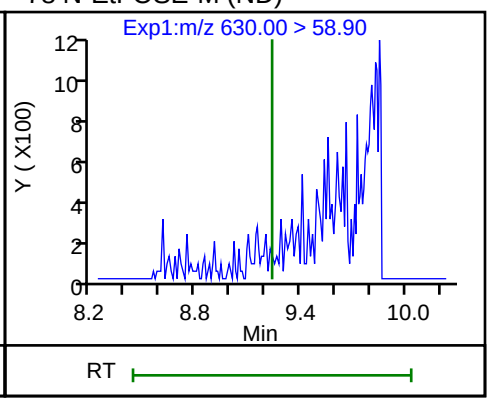
76 NMeFOSA (ND)



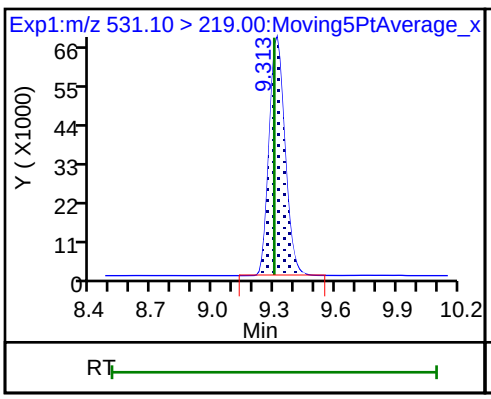
D 77 d9-N-EtFOSE



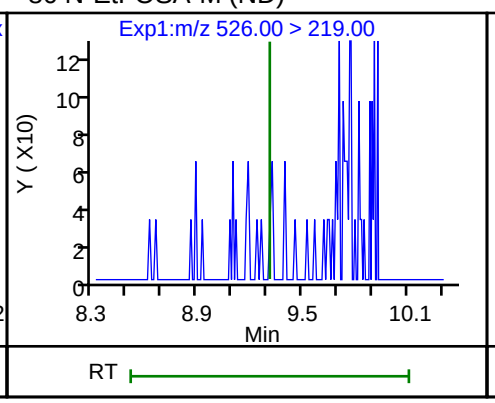
78 N-EtFOSE-M (ND)



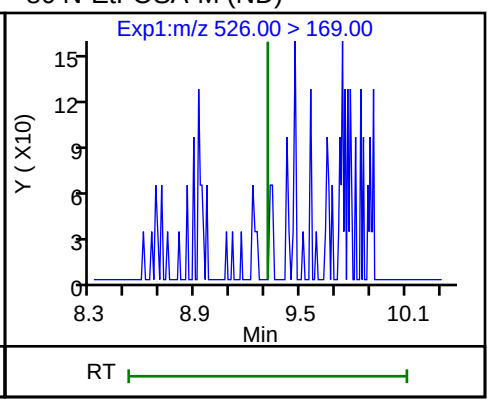
D 79 d5-NEtPFOSA



80 N-EtFOSA-M (ND)



80 N-EtFOSA-M (ND)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

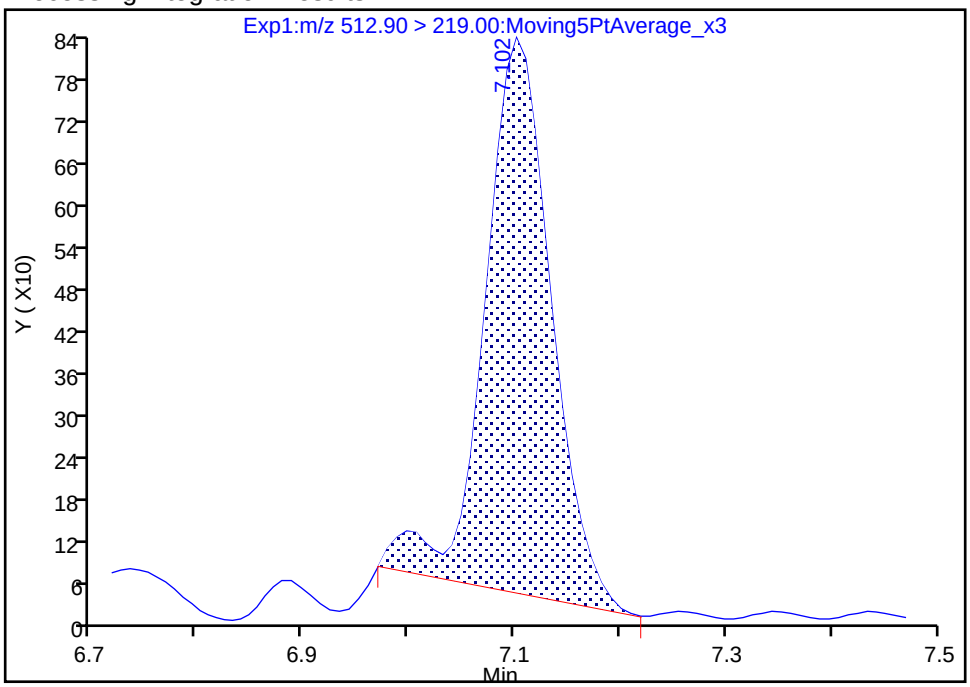
Data File:	\\chromfs\Lancaster\ChromData\29347\20250305-139917.b\25MAR05W-84.d				
Injection Date:	06-Mar-2025 07:41:27	Instrument ID:	29347		
Lims ID:	410-209941-A-4-B	Lab Sample ID:	410-209941-4		
Client ID:	MW-20D-FD-021325				
Operator ID:	US19_USR_INS00012E	ALS Bottle#:	40	Worklist Smp#:	146
Injection Vol:	7.0 ul	Dil. Factor:	1.0000		
Method:	29347_1633Final	Limit Group:	LC - 1633 LVI- ICAL		
Column:		Detector	EXP1		

51 PFDA, CAS: 335-76-2

Signal: 2

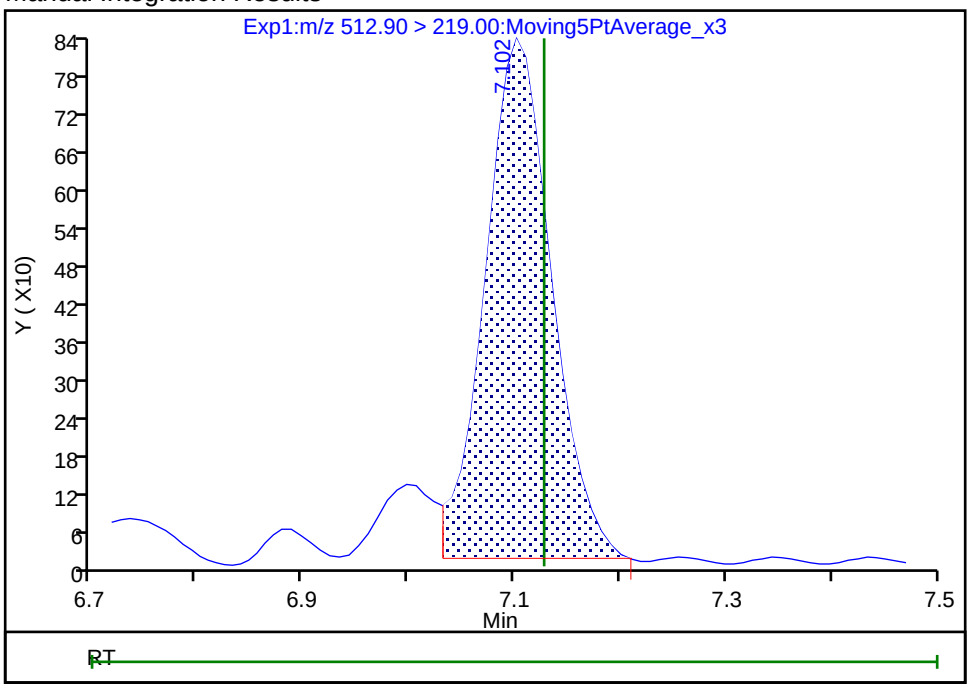
Processing Integration Results

RT: 7.10
Area: 3506
Amount: 0.026285
Amount Units: ng/ml



Manual Integration Results

RT: 7.10
Area: 3588
Amount: 0.026285
Amount Units: ng/ml



Reviewer: JU9U, 06-Mar-2025 17:45:03 -05:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: MW-22-021925
Lab Sample ID: 410-209941-5

Matrix: Water
Lab File ID: 25MAR05W-85.d

Analysis Method: 1633
Date Collected: 02/19/2025 16:50

Extraction Method: 1633
Date Extracted: 03/05/2025 07:58

Sample wt/vol: 130.4(mL)
Date Analyzed: 03/06/2025 07:55

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture:
% Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613042
Units: ng/L

Preparation Batch No.: 613015
Instrument ID: 29347

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	4.0		3.8	1.1
2706-90-3	Perfluoropentanoic acid	4.2		1.9	0.58
307-24-4	Perfluorohexanoic acid	4.5		1.9	0.48
375-85-9	Perfluoroheptanoic acid	2.8		1.9	0.77
335-67-1	Perfluorooctanoic acid	10		1.9	0.86
375-95-1	Perfluorononanoic acid	2.9		1.9	0.48
335-76-2	Perfluorodecanoic acid	ND		1.9	0.48
2058-94-8	Perfluoroundecanoic acid	ND		1.9	0.48
307-55-1	Perfluorododecanoic acid	ND		1.9	0.48
72629-94-8	Perfluorotridecanoic acid	ND		1.9	0.48
376-06-7	Perfluorotetradecanoic acid	ND		1.9	0.48
375-73-5	Perfluorobutanesulfonic acid	6.3		1.9	0.48
2706-91-4	Perfluoropentanesulfonic acid	ND		1.9	0.48
355-46-4	Perfluorohexanesulfonic acid	1.8	J	1.9	0.77
375-92-8	Perfluoroheptanesulfonic acid	ND		1.9	0.48
1763-23-1	Perfluorooctanesulfonic acid	5.4		1.9	0.48
68259-12-1	Perfluorononanesulfonic acid	ND		1.9	0.48
335-77-3	Perfluorodecanesulfonic acid	ND		1.9	0.48
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		1.9	0.58
757124-72-4	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		3.8	0.96
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		3.8	0.96
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		3.8	0.96
754-91-6	Perfluorooctanesulfonamide	ND		1.9	0.48
31506-32-8	NMeFOSA	ND		1.9	0.48
4151-50-2	N-ethylperfluoro-1-octanesulfonamide	ND		1.9	0.48
2355-31-9	NMeFOSAA	ND		1.9	0.48
2991-50-6	NEtFOSAA	ND		1.9	0.48

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: MW-22-021925
Lab Sample ID: 410-209941-5

Matrix: Water
Lab File ID: 25MAR05W-85.d

Analysis Method: 1633
Date Collected: 02/19/2025 16:50

Extraction Method: 1633
Date Extracted: 03/05/2025 07:58

Sample wt/vol: 130.4(mL)
Date Analyzed: 03/06/2025 07:55

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture:
% Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613042
Units: ng/L

Preparation Batch No.: 613015
Instrument ID: 29347

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
24448-09-7	2-(N-methylperfluoro-1-octanesulfonamido) ethanol	ND		9.6	2.4
1691-99-2	2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	ND		9.6	2.4
13252-13-6	HFPO-DA	ND		1.9	0.72
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.9	0.48
377-73-1	Perfluoro-3-methoxypropanoic acid	ND		1.9	0.48
863090-89-5	Perfluoro(4-methoxybutanoic acid)	ND		1.9	0.48
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid	ND	cn	1.9	0.48
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND		1.9	0.48
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		1.9	0.48
113507-82-7	PFEESA	ND		1.9	0.48
356-02-5	3:3 FTCA	ND		3.8	0.96
914637-49-3	5:3 FTCA	ND		9.6	2.7
812-70-4	7:3 FTCA	ND		9.6	2.4

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: MW-22-021925
Lab Sample ID: 410-209941-5

Matrix: Water
Lab File ID: 25MAR05W-85.d

Analysis Method: 1633
Date Collected: 02/19/2025 16:50

Extraction Method: 1633
Date Extracted: 03/05/2025 07:58

Sample wt/vol: 130.4(mL)
Date Analyzed: 03/06/2025 07:55

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613042
Units: ng/L

Preparation Batch No.: 613015
Instrument ID: 29347

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	87.6		5-130
STL01893	13C5 PFPeA	95.0		40-130
STL02577	13C5 PFHxA	88.5		40-130
STL01892	13C4 PFHpA	97.8		40-130
STL01052	13C8 PFOA	90.2		40-130
STL02578	13C9 PFNA	89.4		40-130
STL02579	13C6 PFDA	89.0		40-130
STL02580	13C7 PFUnA	94.4		30-130
STL02116	13C2 PFTeDA	93.5		10-130
STL02337	13C3 PFBS	79.3		40-135
STL02581	13C3 PFHxS	91.9		40-130
STL01054	13C8 PFOS	94.2		40-130
STL01056	13C8 FOSA	77.0		40-130
STL02118	d3-NMeFOSAA	88.8		40-170
STL02117	d5-NEtFOSAA	92.0		25-135
STL02395	M2-4:2 FTS	77.1		40-200
STL02279	M2-6:2 FTS	93.8		40-200
STL02280	M2-8:2 FTS	82.3		40-300
STL02255	13C3 HFPO-DA	90.6		40-130
STL02277	d7-N-MeFOSE-M	71.9		10-130
STL02278	d9-N-EtFOSE-M	70.0		10-130
STL02704	d5-NEtPFOSA	60.3		10-130
STL02705	d3-NMePFOSA	59.9		10-130
STL00998	13C2 PFDoA	84.3		10-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\25MAR05W-85.d
Lims ID: 410-209941-A-5-B
Client ID: MW-22-021925
Sample Type: Client
Inject. Date: 06-Mar-2025 07:55:35 ALS Bottle#: 41 Worklist Smp#: 147
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: 410-209941-A-5-B
Misc. Info.: Plate: 1 Rack: 1 410-0139917-147
Operator ID: US19_USR_INS00012E Instrument ID: 29347

Method: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\29347_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 06-Mar-2025 18:01:56 Calib Date: 27-Feb-2025 16:49:35
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1676

First Level Reviewer: JU9U Date: 06-Mar-2025 17:46:00
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 4 13C4-PFBA										
216.80 > 171.90	4.102	4.116	-0.014	1.000	2180299	1.75		87.6	54654	
3 PFBA										
212.80 > 168.90	4.102	4.116	-0.014	1.000	111197	0.1050			50.6	
* 5 13C3PFBA										
216.00 > 172.00	4.102	4.116	-0.014		2172547	2.00			322	
8 PFPA										
263.00 > 219.00	4.697	4.711	-0.014	0.998	86445	0.1107			788	
D 9 13C5 PFPeA										
268.30 > 223.00	4.707	4.711	-0.004	0.895	913571	1.90		95.0	40810	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.049	5.063	-0.014	0.781	461327	3.62		77.1	18931	
16 PFHxA										
313.00 > 269.00	5.258	5.272	-0.014	1.000	114710	0.1180	Target=13.05		1693	
313.00 > 118.90	5.249	5.272	-0.023	0.998	11041		10.39(6.53-19.58)		770	
D 17 13C5 PFHxA										
318.00 > 273.00	5.258	5.281	-0.023	1.000	1778982	1.77		88.5	73602	
* 15 13C2 PFHxA										
315.10 > 270.00	5.258	5.281	-0.023		4656112	5.00			119177	
19 PFBS										
298.70 > 79.90	5.401	5.418	-0.017	1.000	221894	0.1655	Target=3.09		9331	
298.70 > 98.80	5.401	5.418	-0.017	1.000	91417		2.43(1.55-4.64)		4647	
D 20 13C3 PFBS										
302.10 > 79.90	5.401	5.418	-0.017	0.836	2289130	1.48		79.3	75443	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.479	5.496	-0.017	1.042	1172877	1.81		90.6	54452	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
26 PFHpA										
363.10 > 319.00	5.774	5.790	-0.016	1.000	105527	0.0722	Target=3.46		782	
363.10 > 169.00	5.763	5.790	-0.027	0.998	31298		3.37(1.73-5.19)		716	
D 27 13C4 PFHpA										
367.10 > 322.00	5.774	5.790	-0.016	1.098	2406147	1.96		97.8	115114	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.018	6.031	-0.013	0.931	395407	4.47		93.8	21042	
D 34 13C8 PFOA										
421.10 > 376.00	6.232	6.254	-0.022	0.998	2353316	1.80		90.2	123411	
* 35 13C4 PFOA										
417.10 > 372.00	6.241	6.254	-0.013		6432146	5.00			468826	
36 PFOA										
413.00 > 369.00	6.241	6.254	-0.013	1.002	302313	0.2723	Target=2.10		42748	
413.00 > 169.00	6.232	6.254	-0.022	1.000	151006		2.00(1.05-3.15)		40504	
* 38 18O2 PFHxS										
403.00 > 83.90	6.464	6.496	-0.032		2705859	1.89			179651	
40 PFHxS										
398.70 > 79.90	6.464	6.496	-0.032	0.998	80379	0.0471	Target=2.96		23575	
398.70 > 98.90	6.474	6.496	-0.022	1.000	26216		3.07(1.48-4.44)		49.0	
D 39 13C3 PFHxS										
402.10 > 79.90	6.474	6.496	-0.022	1.002	2446091	1.74		91.9	97632	
* 43 13C5 PFNA										
468.00 > 423.00	6.678	6.701	-0.023		2675586	2.00			145315	
42 PFNA										
463.00 > 419.00	6.561	6.701	-0.140	0.983	88143	0.0746	Target=5.06		8877	
463.00 > 219.00	6.561	6.701	-0.140	0.983	15861		5.56(2.53-7.59)		15.0	
D 41 13C9 PFNA										
472.10 > 427.00	6.678	6.701	-0.023	1.000	2339827	1.79		89.4	127127	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.876	6.898	-0.022	1.064	219370	3.95		82.3	16877	
D 50 d3-NMeFOSAA										
573.20 > 419.00	7.038	7.058	-0.020	0.955	2569191	4.44		88.8	143038	
D 53 13C6 PFDA										
519.10 > 474.10	7.107	7.128	-0.021	1.000	1850009	1.78		89.0	137699	
* 52 13C2 PFDA										
515.10 > 470.10	7.107	7.128	-0.021		2029611	2.00			113820	
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.225	7.246	-0.021	0.981	2289626	4.60		92.0	123390	
D 56 13C8 PFOS										
507.10 > 79.90	7.367	7.388	-0.021	1.000	2691500	1.80		94.2	64799	
58 PFOS										
498.90 > 79.90	7.367	7.388	-0.021	1.000	242581	0.1399	Target=3.87		21131	
498.90 > 98.80	7.367	7.388	-0.021	1.000	48759		4.98(1.93-5.80)		91.1	
* 57 13C4 PFOS										
502.80 > 79.90	7.367	7.398	-0.031		3038429	1.91			132397	
D 60 13C7 PFUnA										
570.00 > 525.10	7.527	7.551	-0.024	1.059	1399530	1.89		94.4	70968	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 64 PFDoA										
615.10 > 570.00	7.935	7.960	-0.025	1.116	1009062	1.69		84.3	79038	
D 66 13C8 FOSA										
506.10 > 77.80	8.057	8.066	-0.009	1.094	2210197	1.54		77.0	82820	
D 71 13C2 PFTeDA										
715.20 > 670.00	8.673	8.689	-0.016	1.220	1182121	1.87		93.5	55981	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.004	8.998	0.006	1.222	583482	3.59		71.9	4418	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.105	9.099	0.006	1.236	379534	1.20		59.9	30429	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.217	9.224	-0.007	1.251	710312	3.50		70.0	3183	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.305	9.299	0.006	1.263	427093	1.21		60.3	19879	

QC Flag Legend

Processing Flags

Reagents:

1633_125_IS_V_00233 Amount Added: 50.00 Units: uL

Report Date: 06-Mar-2025 18:03:22 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\25MAR05W-85.d

Injection Date: 06-Mar-2025 07:55:35 Instrument ID: 29347

Lims ID: 410-209941-A-5-B Lab Sample ID: 410-209941-5

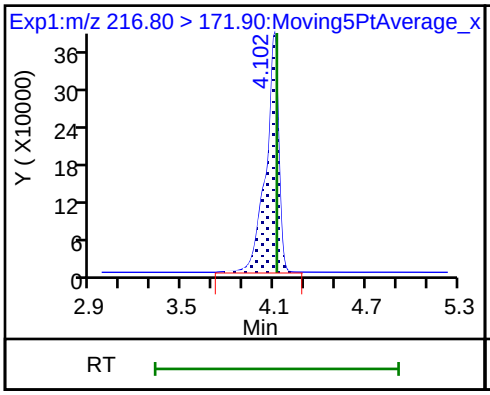
Client ID: MW-22-021925

Operator ID: US19_USR_INS00012E ALS Bottle#: 41 Worklist Smp#: 147

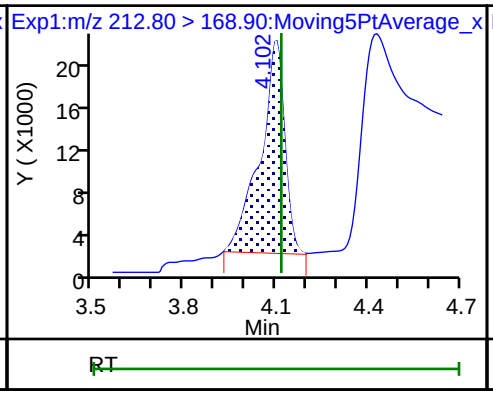
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 29347_1633Final Limit Group: LC - 1633 LVI- ICAL

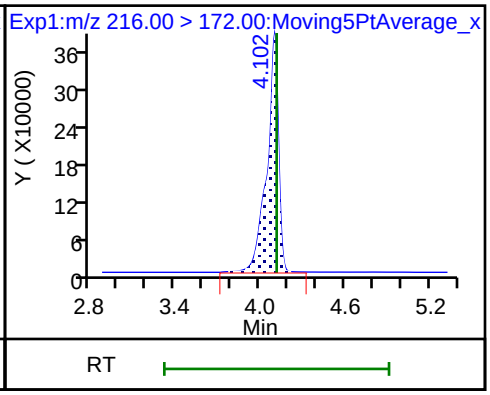
D 4 13C4-PFBA



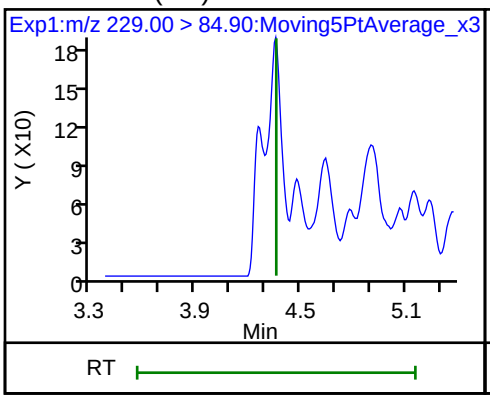
3 PFBA



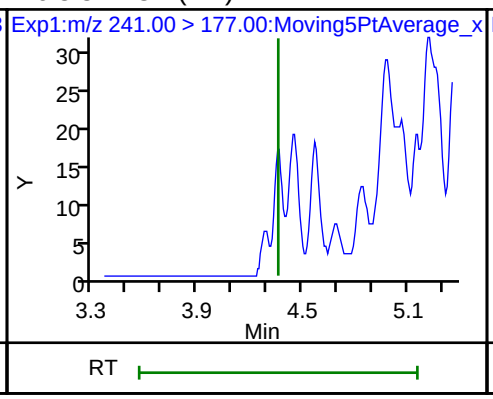
* 5 13C3PFBA



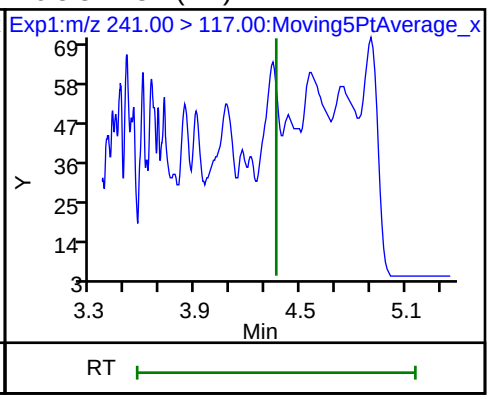
7 PFMPA (ND)



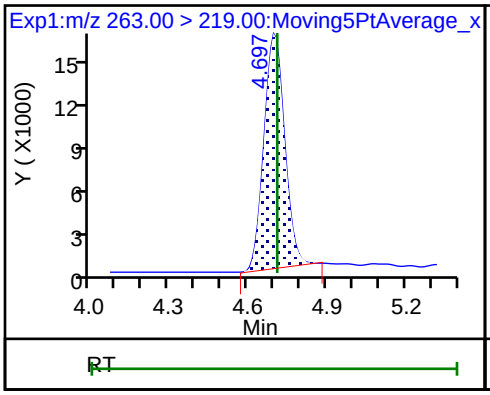
6 3:3 FTCA (ND)



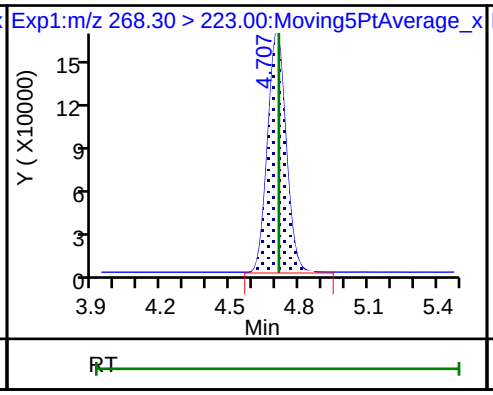
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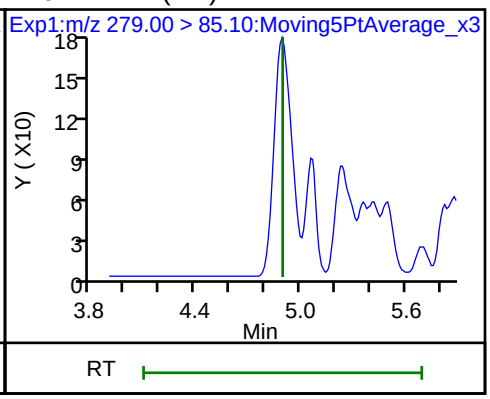
8 PFPA



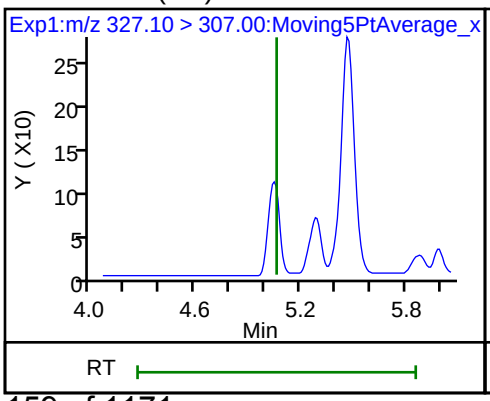
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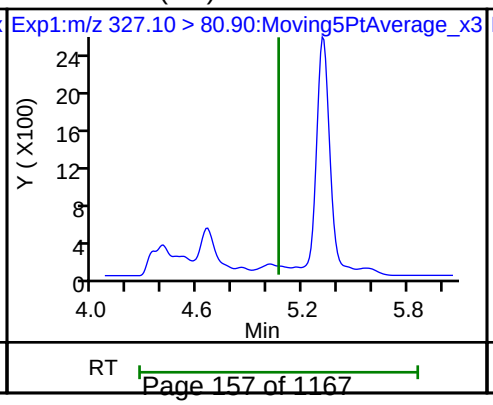
10 PFMBA (ND)



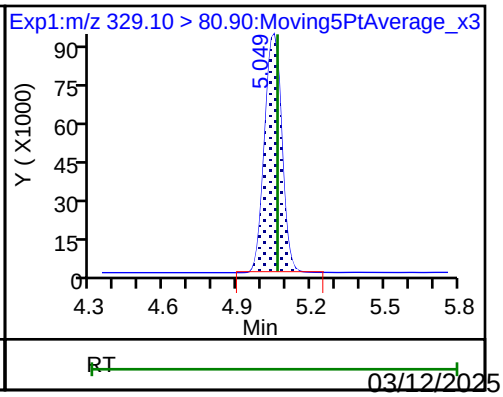
11 4:2FTS (ND)



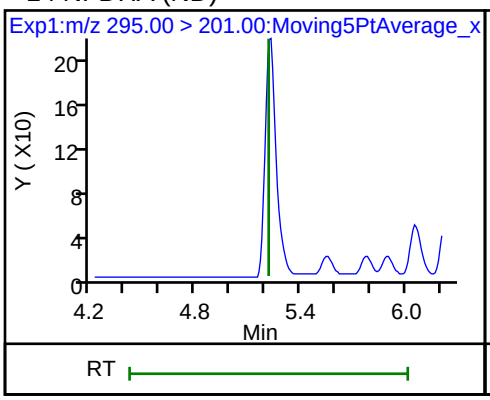
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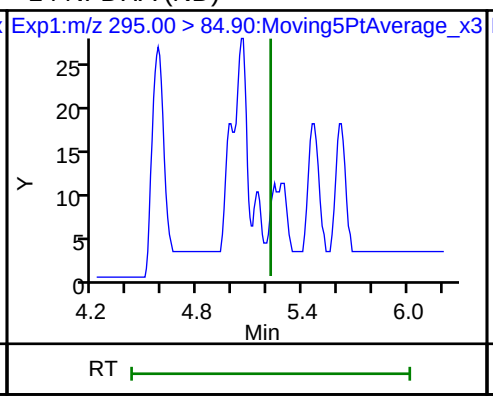
D 13 13C2-4:2FTS



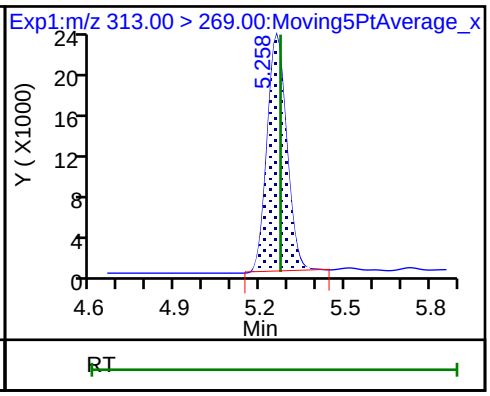
14 NFDHA (ND)



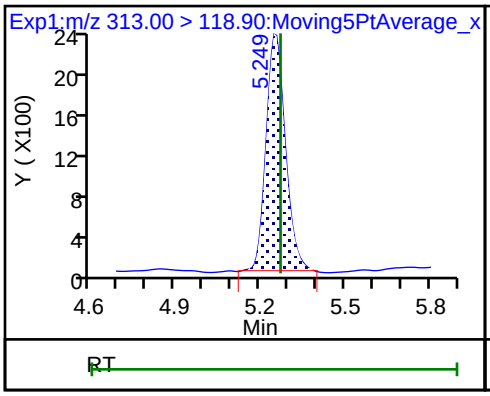
14 NFDHA (ND)



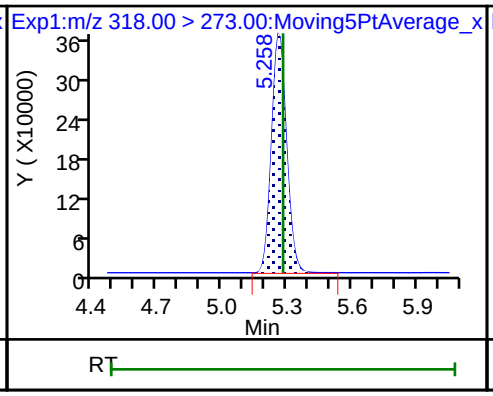
16 PFHxA



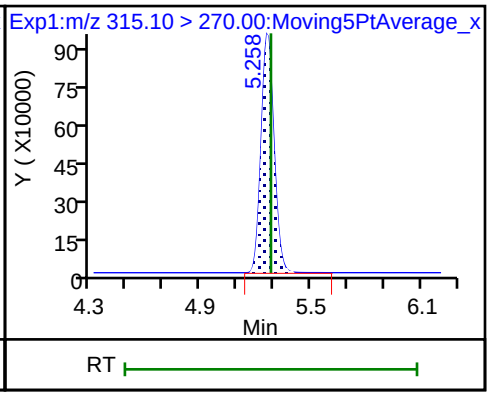
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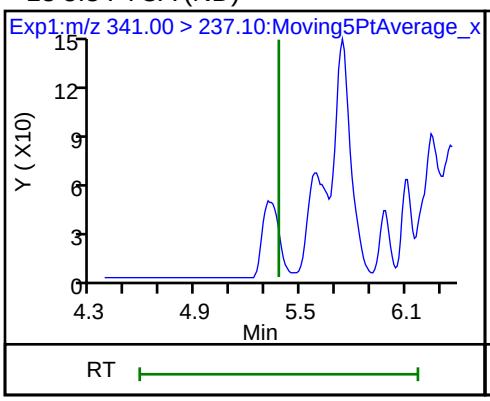
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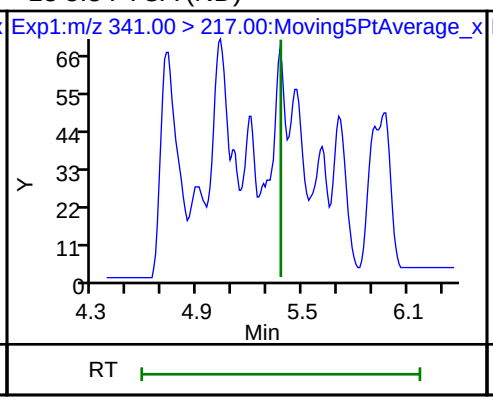
* 15 13C2 PFHxA



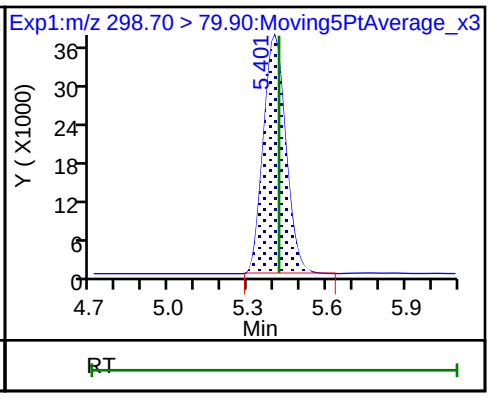
18 5:3 FTCA (ND)



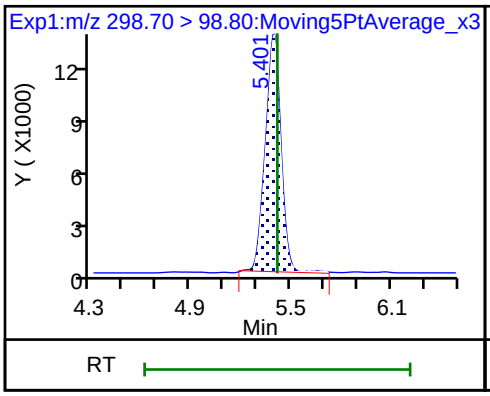
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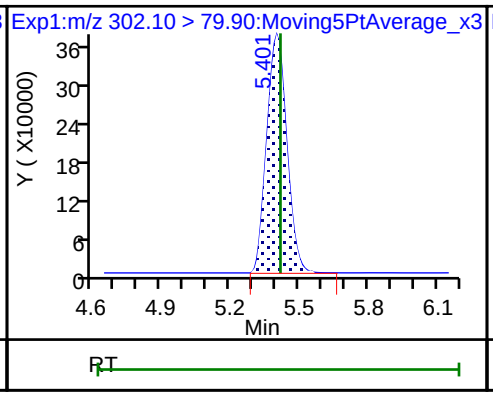
19 PFBS



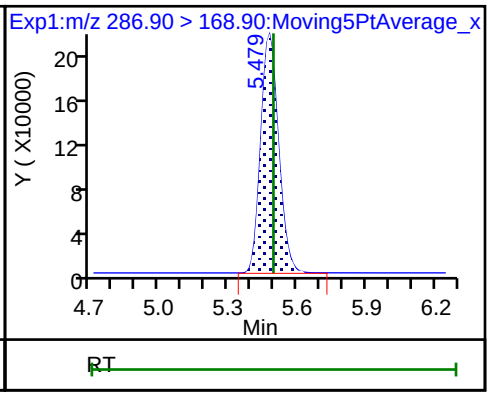
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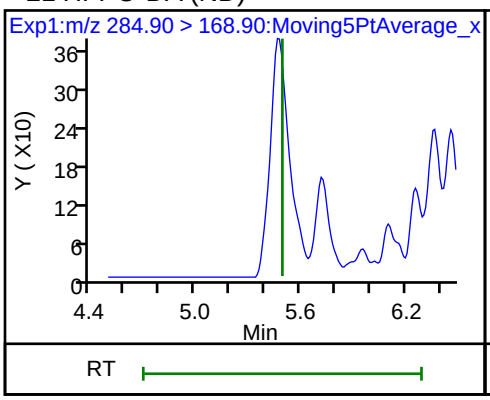
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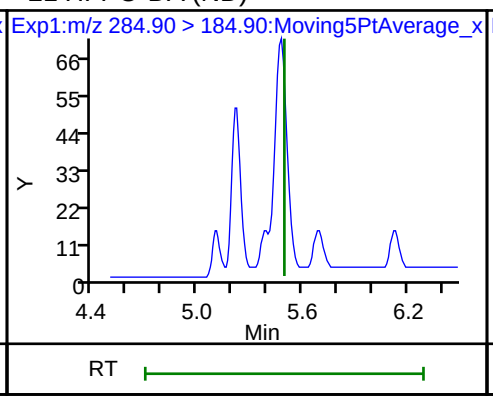
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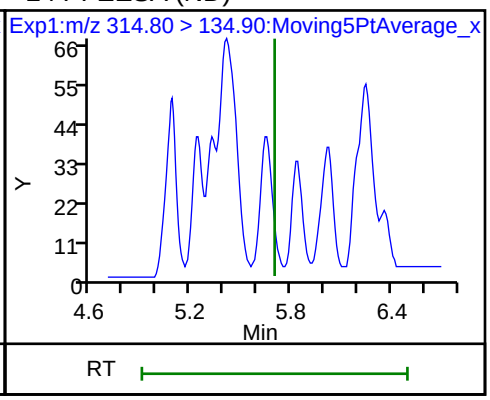
21 HFPO-DA (ND)



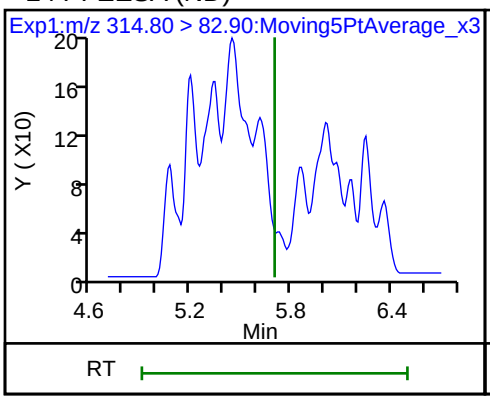
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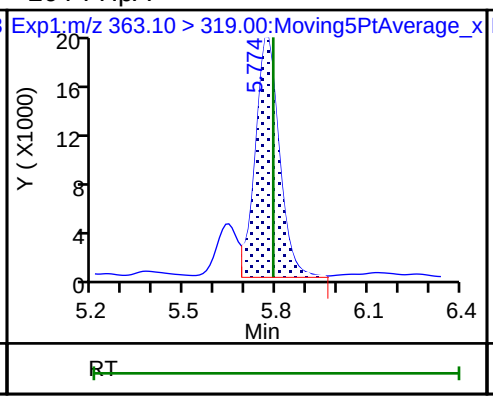
24 PFEESA (ND)



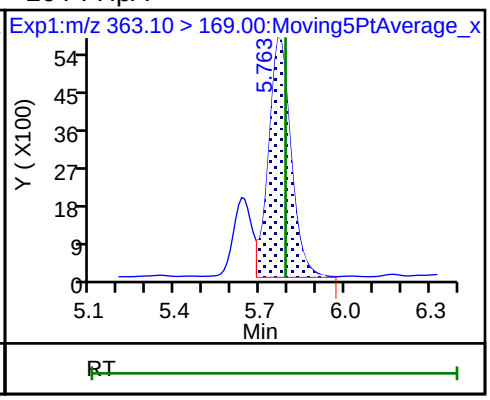
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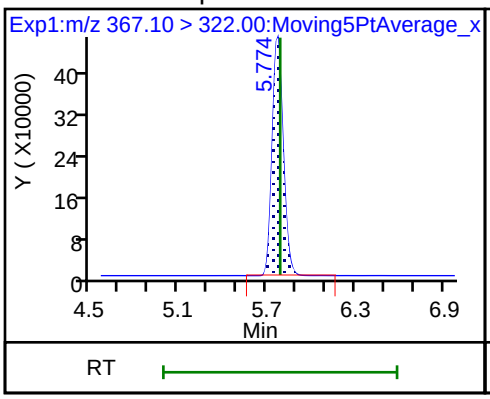
26 PFHpA



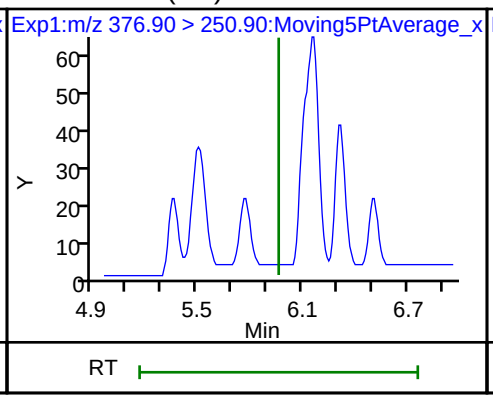
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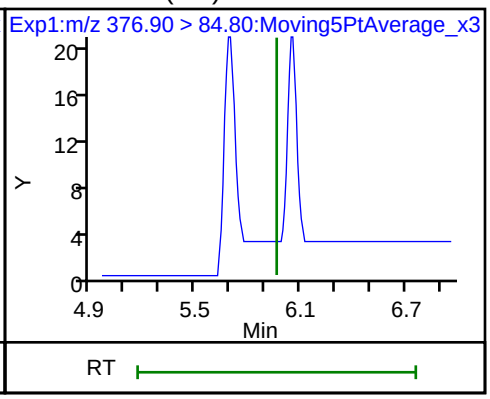
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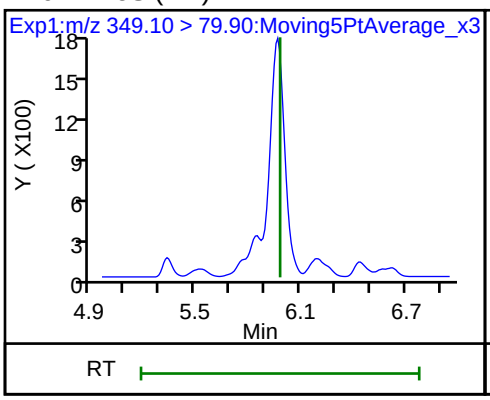
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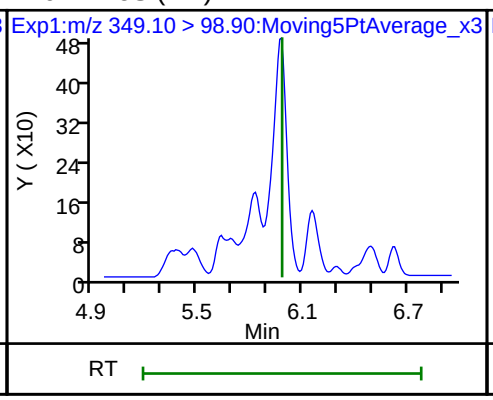
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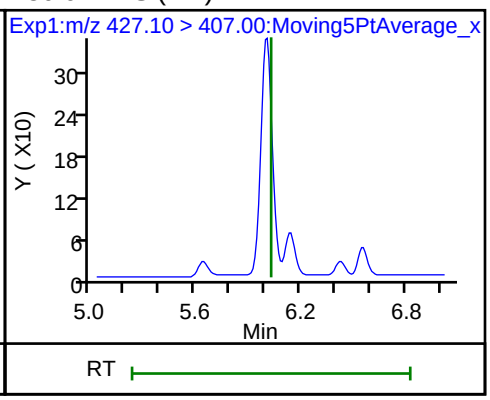
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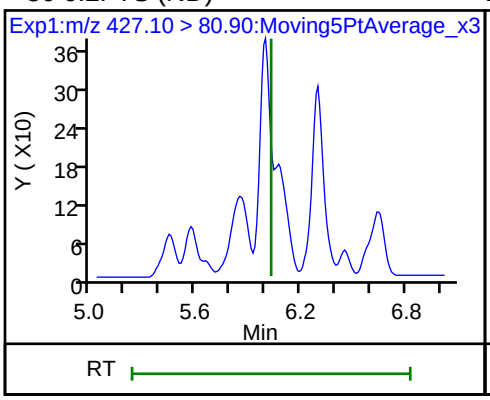
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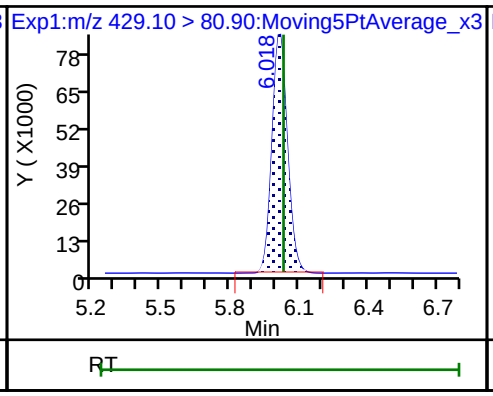
30 6:2FTS (ND)



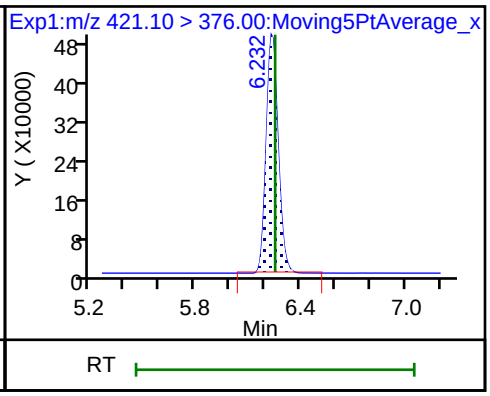
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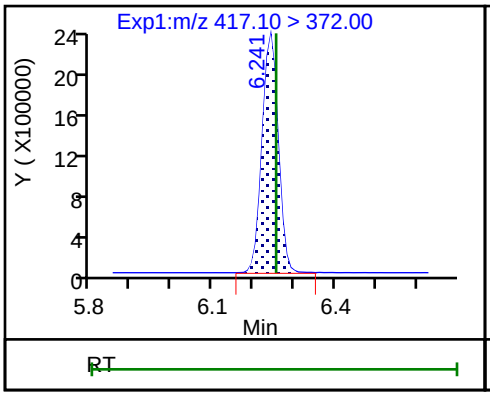
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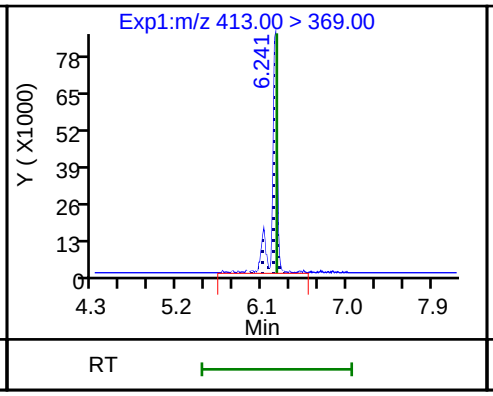
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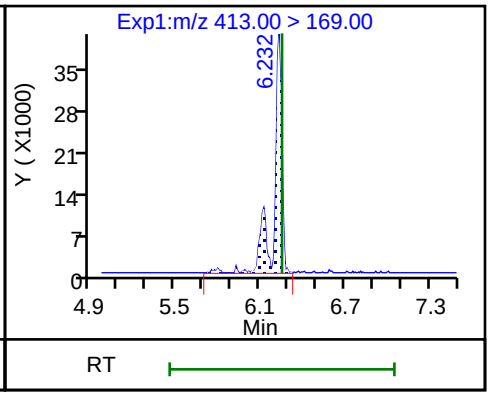
* 35 13C4 PFOA



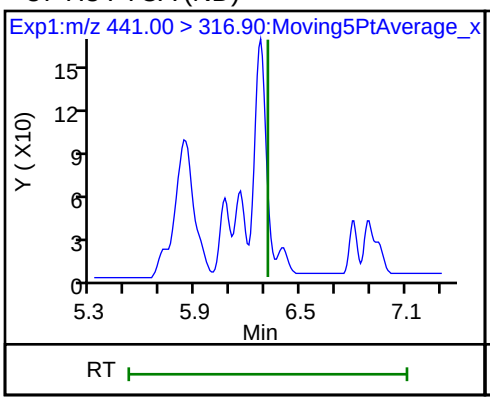
36 PFOA



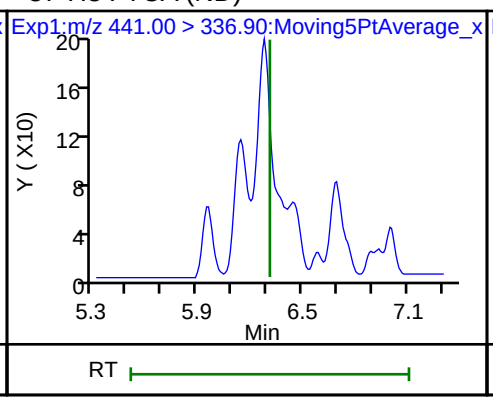
36 PFOA



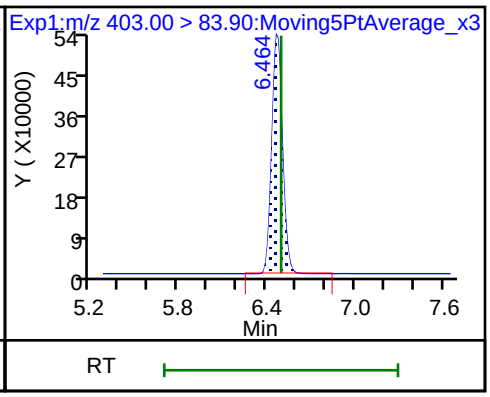
37 7:3 FTCA (ND)



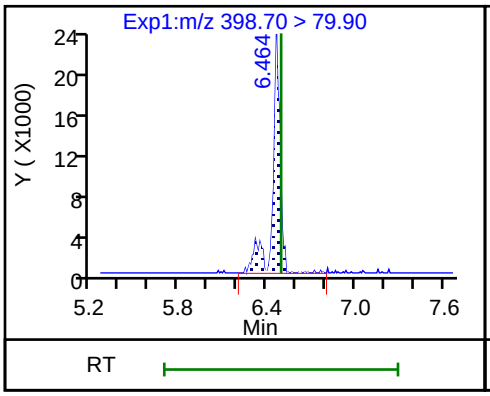
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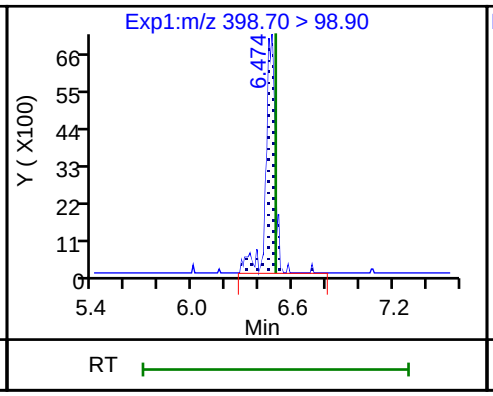
* 38 18O2 PFHxS



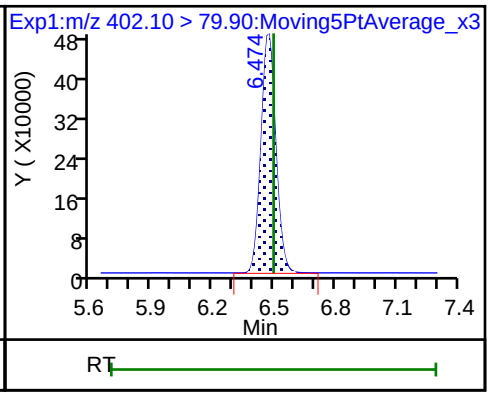
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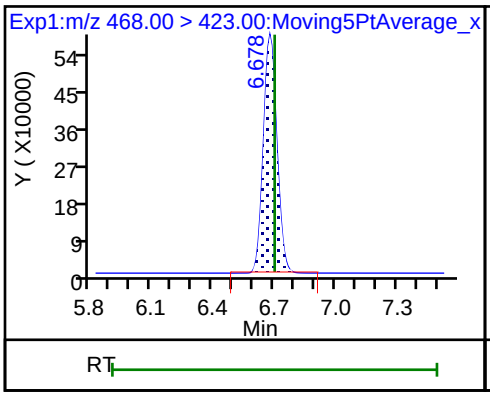
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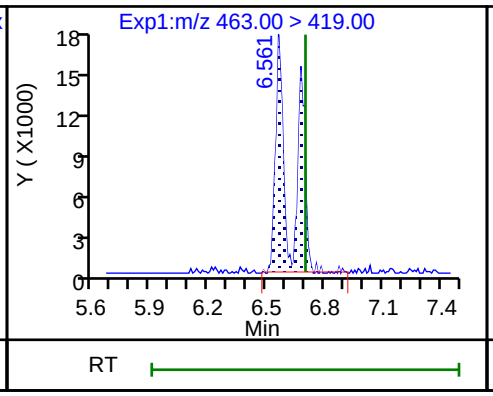
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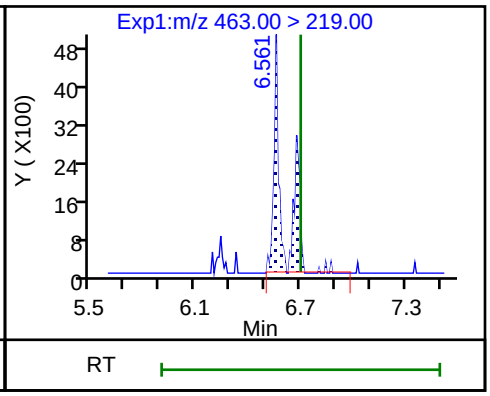
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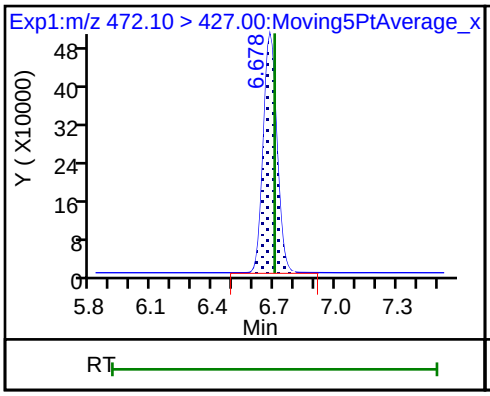
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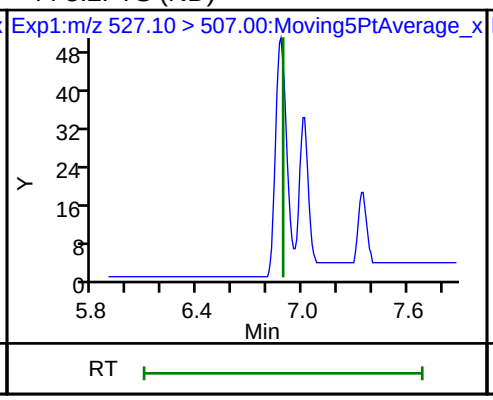
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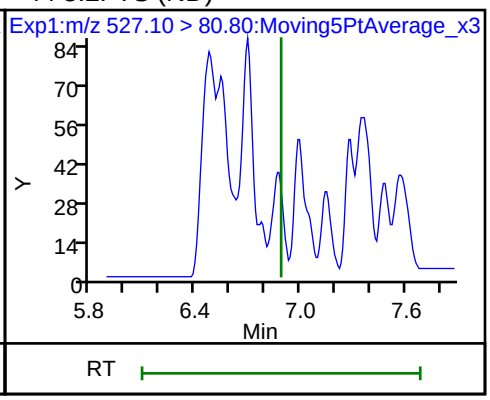
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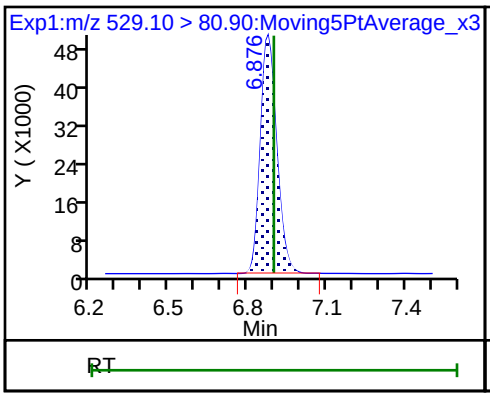
44 8:2FTS (ND)



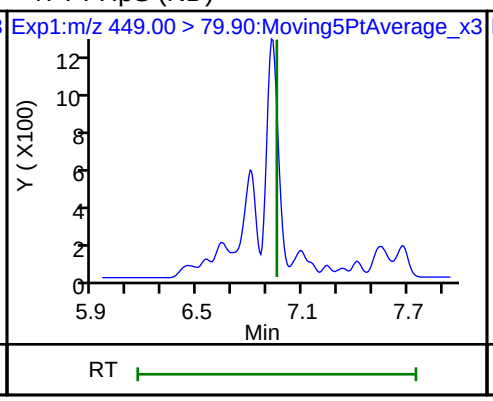
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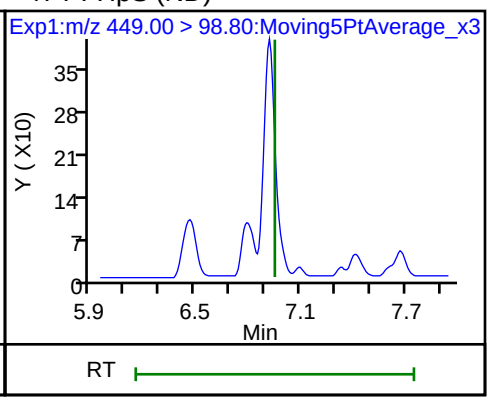
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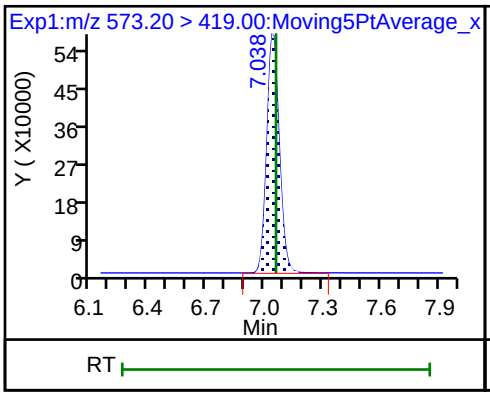
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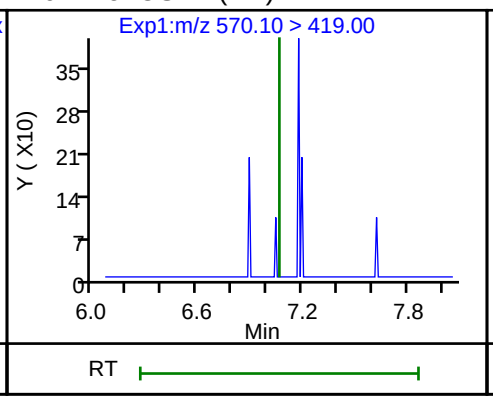
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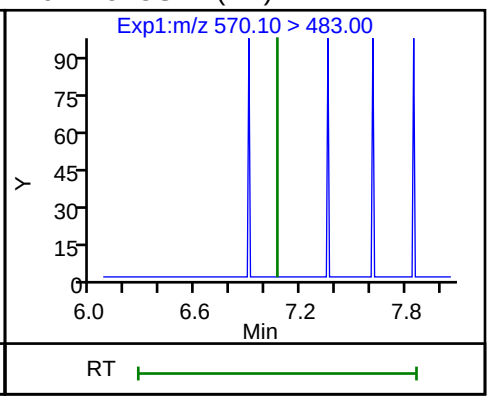
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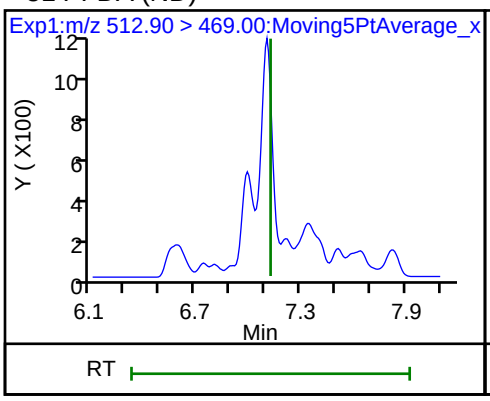
49 NMeFOSAA (ND)



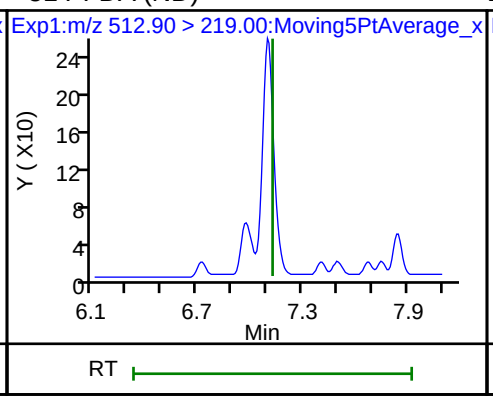
49 NMeFOSAA (ND)



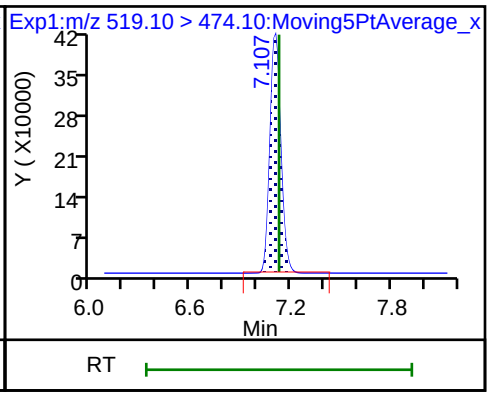
51 PFDA (ND)



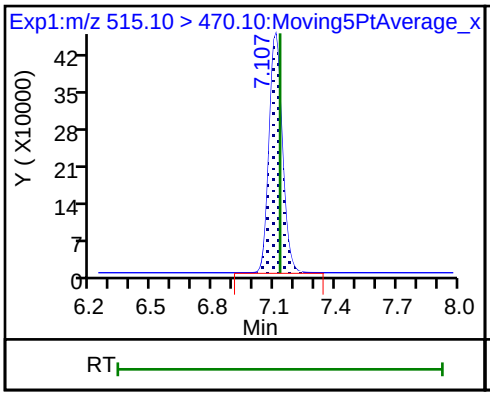
51 PFDA (ND)



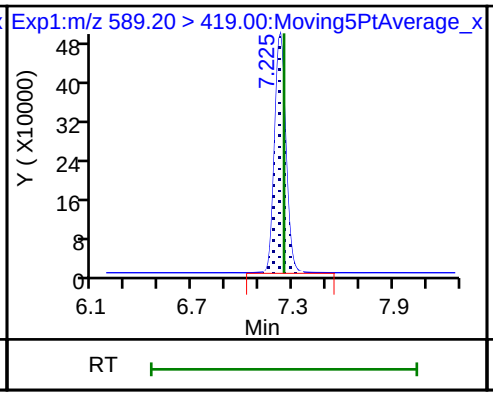
D 53 13C6 PFDA



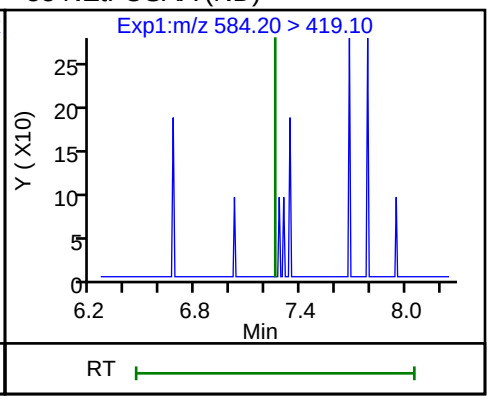
* 52 13C2 PFDA



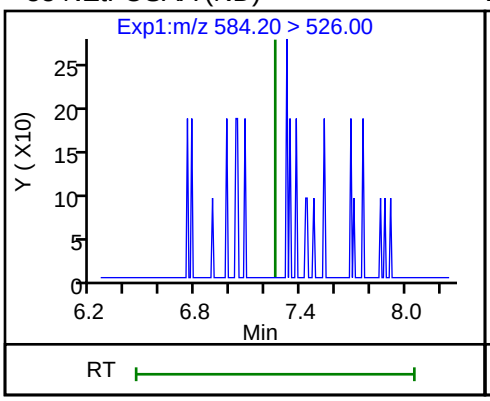
D 54 d5-NEtFOSAA



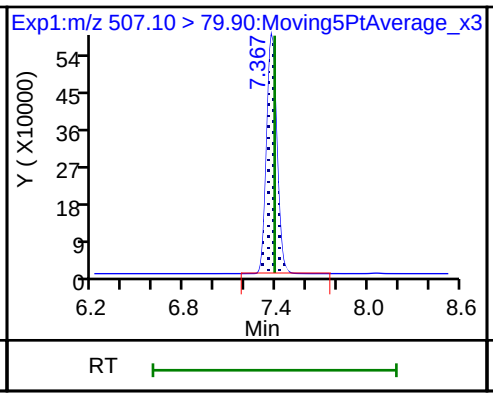
55 NEtFOSAA (ND)



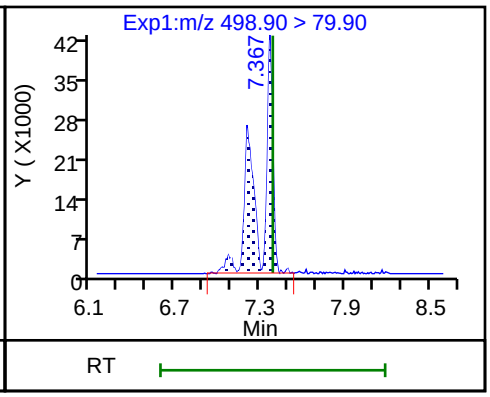
55 NEtFOSAA (ND)



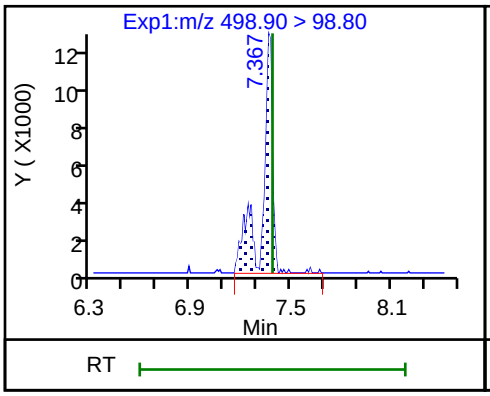
D 56 13C8 PFOS



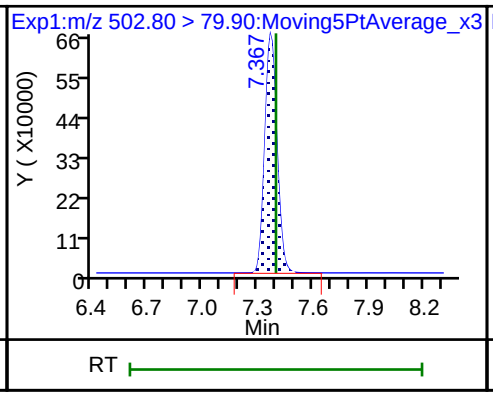
58 PFOS



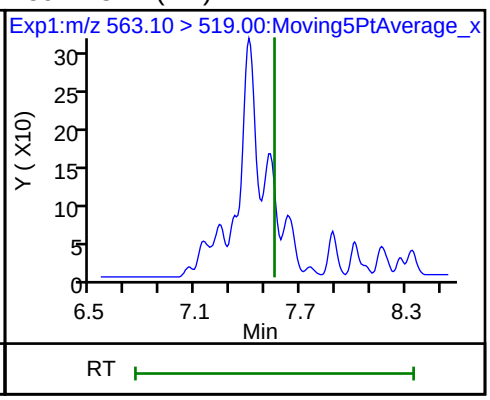
58 PFOS



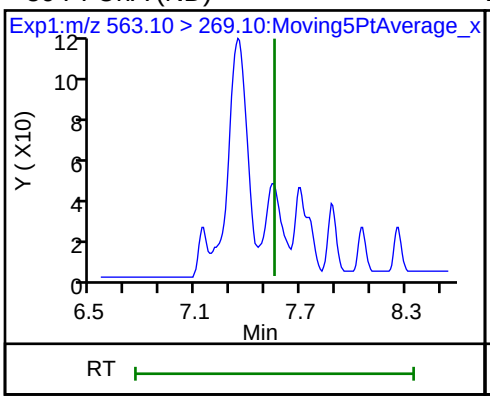
* 57 13C4 PFOS



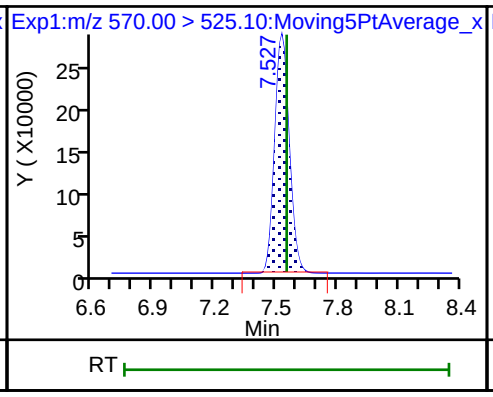
59 PFUnA (ND)



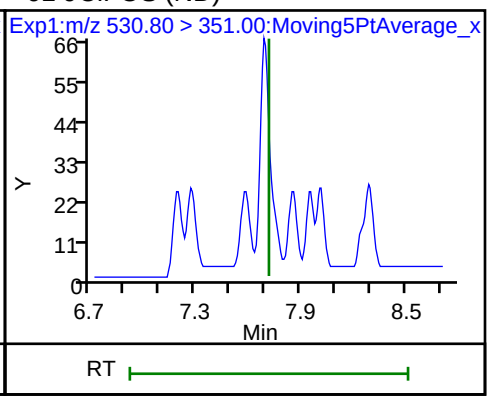
59 PFUnA (ND)



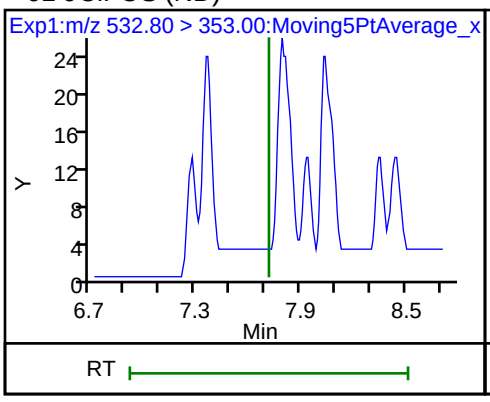
D 60 13C7 PFUnA



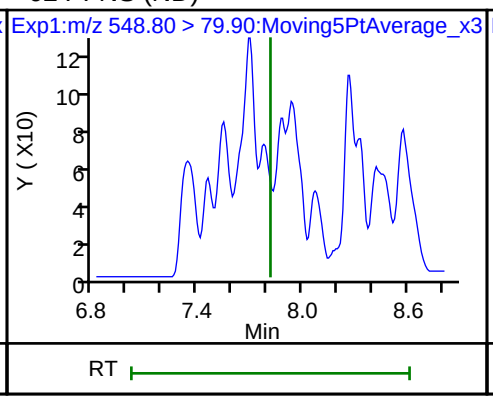
61 9ClFOS (ND)



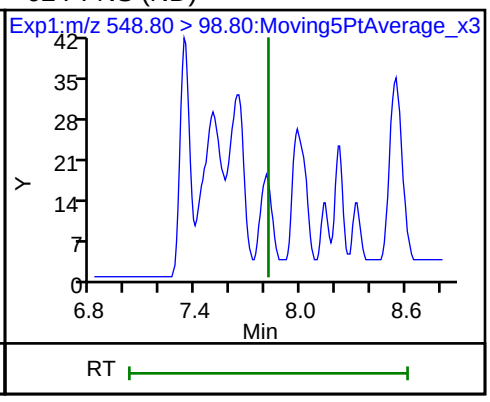
61 9ClFOS (ND)



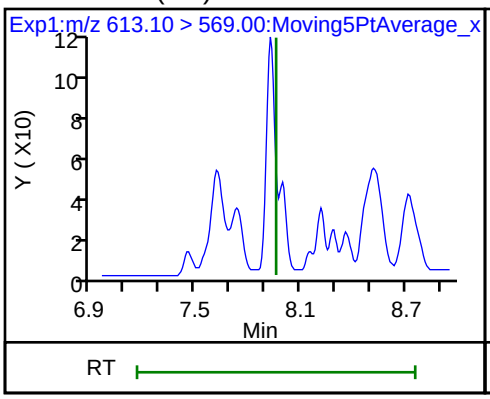
62 PFNS (ND)



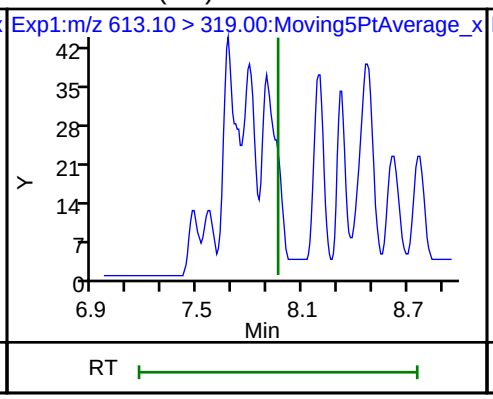
62 PFNS (ND)



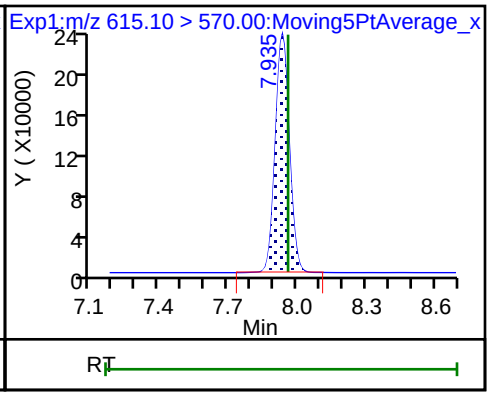
63 PFDoA (ND)



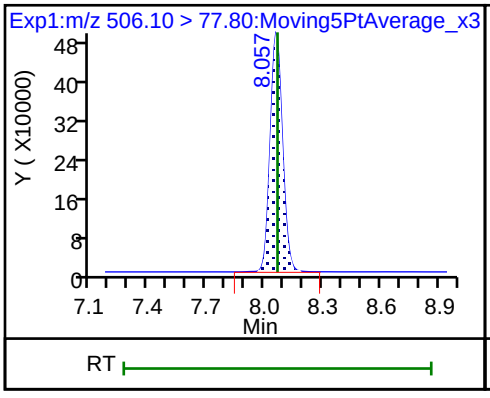
63 PFDoA (ND)



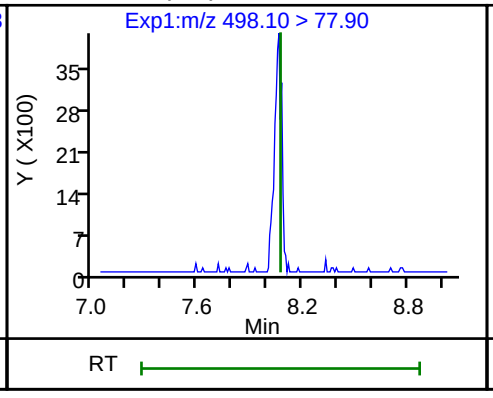
D 64 PFDoA



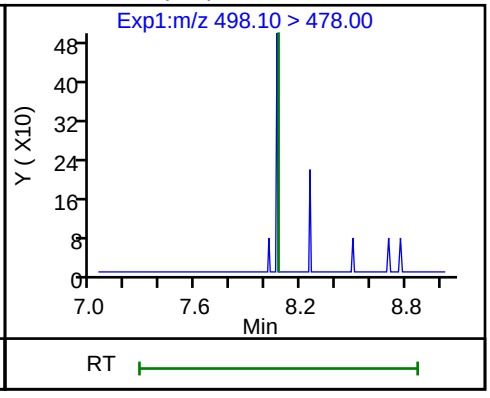
D 66 13C8 FOSA



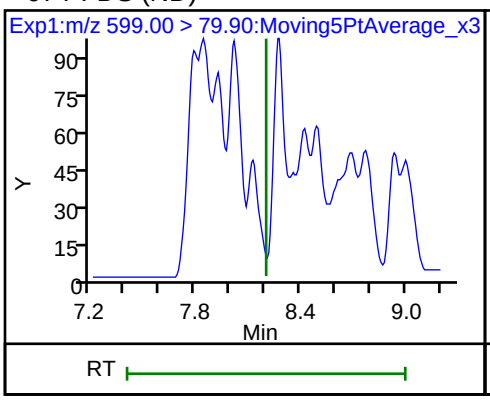
65 PFOSA (ND)



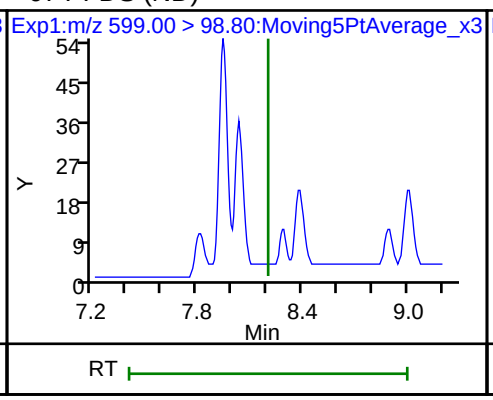
65 PFOSA (ND)



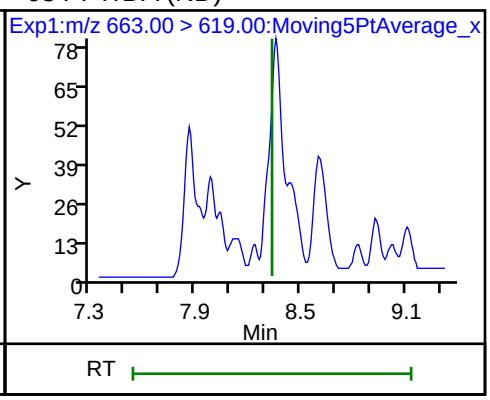
67 PFDS (ND)



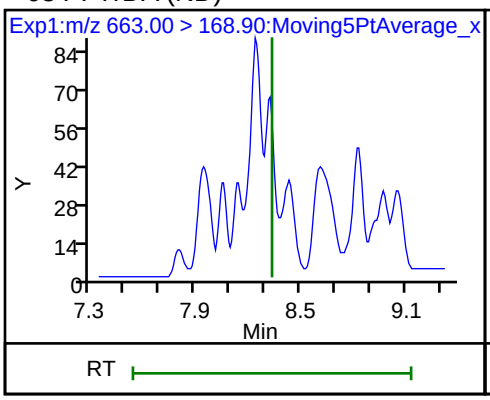
67 PFDS (ND)



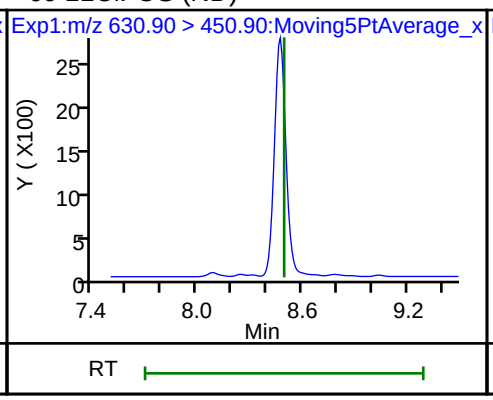
68 PFTrDA (ND)



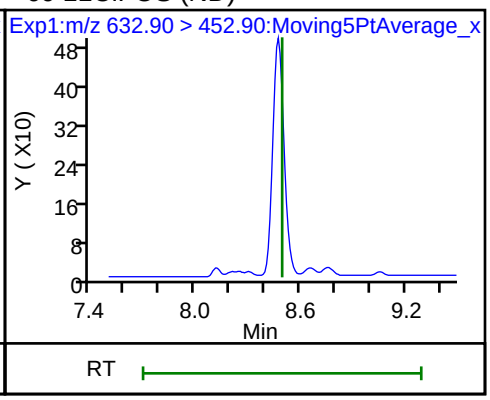
68 PFTrDA (ND)



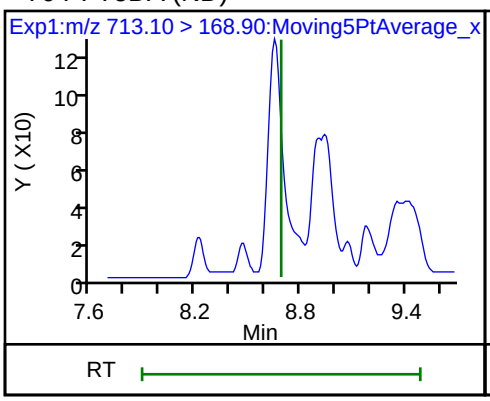
69 11ClFOS (ND)



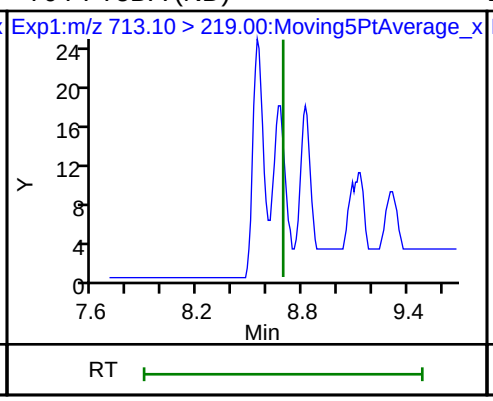
69 11ClFOS (ND)



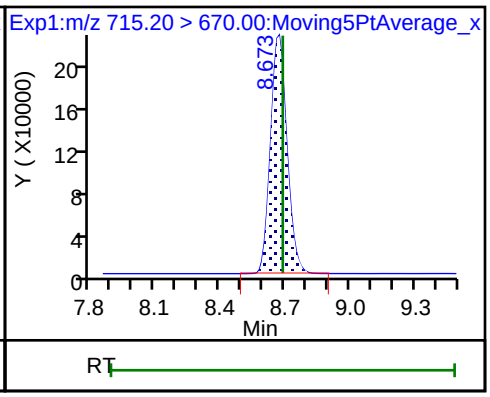
70 PFTeDA (ND)



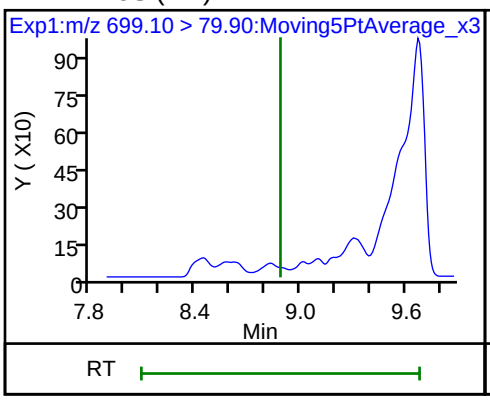
70 PFTeDA (ND)



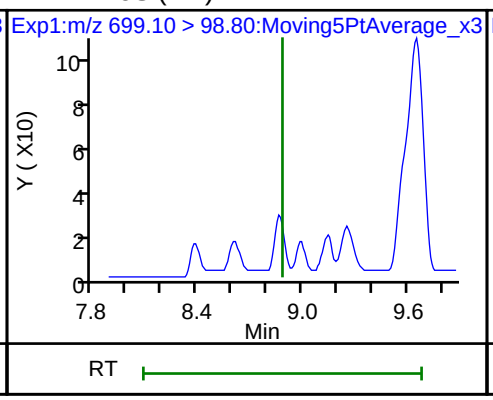
D 71 13C2 PFTeDA



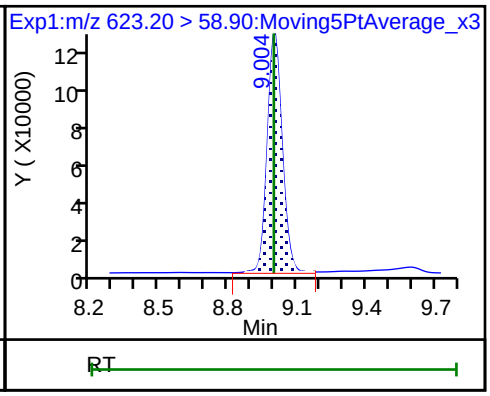
72 PFDoS (ND)



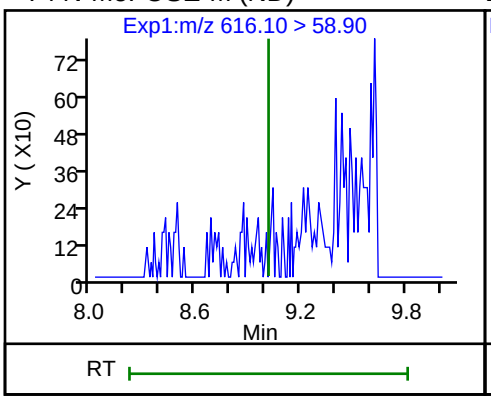
72 PFDoS (ND)



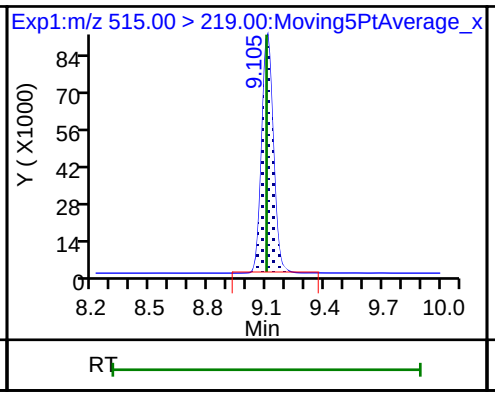
D 73 d7-N-Me-FOSE



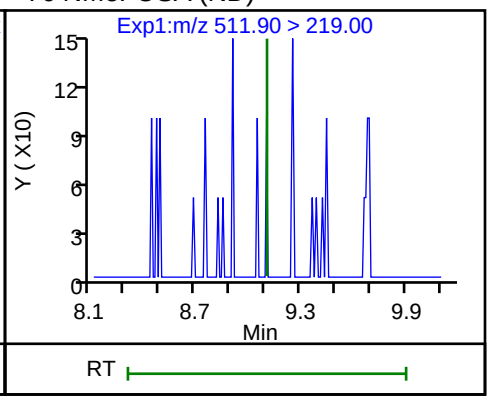
74 N-MeFOSE-M (ND)



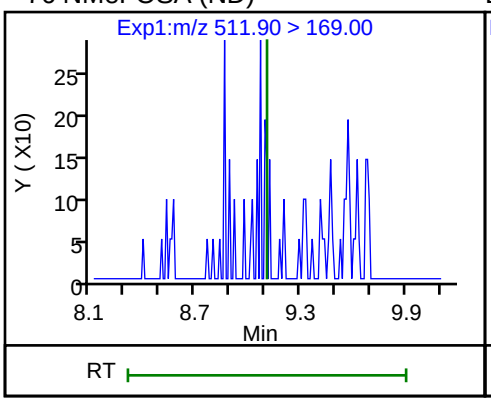
D 75 d3-NMePFOSA



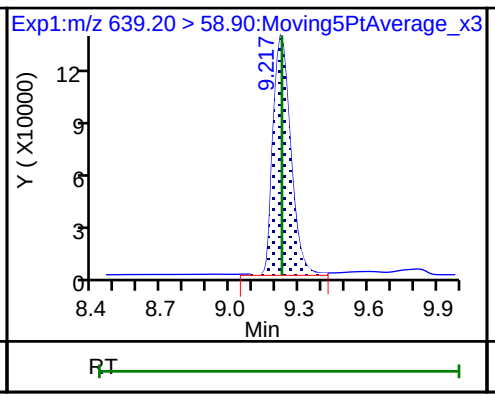
76 NMeFOSA (ND)



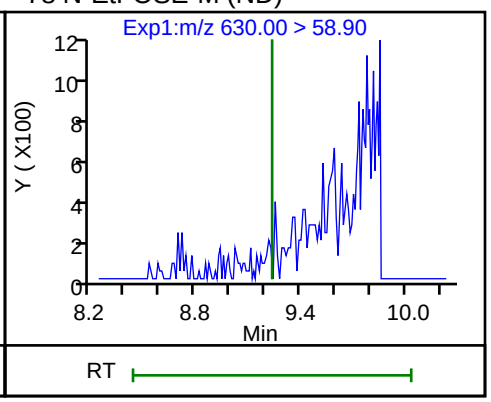
76 NMeFOSA (ND)



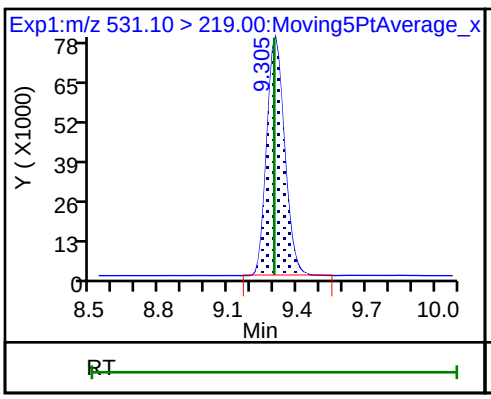
D 77 d9-N-EtFOSE



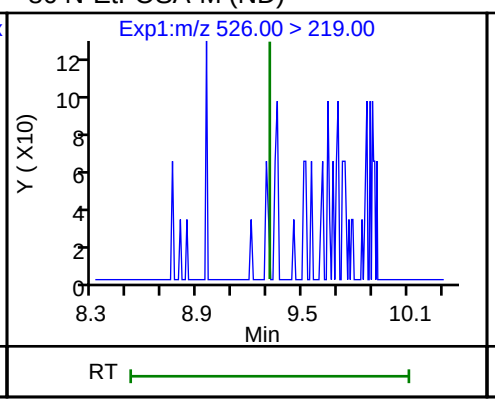
78 N-EtFOSE-M (ND)



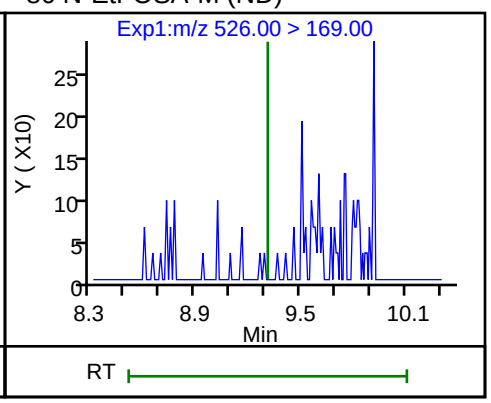
D 79 d5-NEtPFOSA



80 N-EtFOSA-M (ND)



80 N-EtFOSA-M (ND)



FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: MW-23-021425
Lab Sample ID: 410-209941-6

Matrix: Water
Lab File ID: 25MAR05W-86.d

Analysis Method: 1633
Date Collected: 02/14/2025 14:25

Extraction Method: 1633
Date Extracted: 03/05/2025 07:58

Sample wt/vol: 132.6(mL)
Date Analyzed: 03/06/2025 08:09

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture:
% Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613042
Units: ng/L

Preparation Batch No.: 613015
Instrument ID: 29347

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	4.0		3.8	1.0
2706-90-3	Perfluoropentanoic acid	5.0		1.9	0.57
307-24-4	Perfluorohexanoic acid	4.3		1.9	0.47
375-85-9	Perfluoroheptanoic acid	1.9		1.9	0.75
335-67-1	Perfluorooctanoic acid	7.9		1.9	0.85
375-95-1	Perfluorononanoic acid	2.5		1.9	0.47
335-76-2	Perfluorodecanoic acid	ND		1.9	0.47
2058-94-8	Perfluoroundecanoic acid	ND		1.9	0.47
307-55-1	Perfluorododecanoic acid	ND		1.9	0.47
72629-94-8	Perfluorotridecanoic acid	ND		1.9	0.47
376-06-7	Perfluorotetradecanoic acid	ND		1.9	0.47
375-73-5	Perfluorobutanesulfonic acid	1.7	J	1.9	0.47
2706-91-4	Perfluoropentanesulfonic acid	ND		1.9	0.47
355-46-4	Perfluorohexanesulfonic acid	0.91	J	1.9	0.75
375-92-8	Perfluoroheptanesulfonic acid	ND		1.9	0.47
1763-23-1	Perfluorooctanesulfonic acid	4.5		1.9	0.47
68259-12-1	Perfluorononanesulfonic acid	ND		1.9	0.47
335-77-3	Perfluorodecanesulfonic acid	ND		1.9	0.47
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		1.9	0.57
757124-72-4	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		3.8	0.94
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		3.8	0.94
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		3.8	0.94
754-91-6	Perfluorooctanesulfonamide	ND		1.9	0.47
31506-32-8	NMeFOSA	ND		1.9	0.47
4151-50-2	N-ethylperfluoro-1-octanesulfonamide	ND		1.9	0.47
2355-31-9	NMeFOSAA	ND		1.9	0.47
2991-50-6	NEtFOSAA	ND		1.9	0.47

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: MW-23-021425
Lab Sample ID: 410-209941-6

Matrix: Water
Lab File ID: 25MAR05W-86.d

Analysis Method: 1633
Date Collected: 02/14/2025 14:25

Extraction Method: 1633
Date Extracted: 03/05/2025 07:58

Sample wt/vol: 132.6(mL)
Date Analyzed: 03/06/2025 08:09

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613042
Units: ng/L

Preparation Batch No.: 613015
Instrument ID: 29347

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
24448-09-7	2-(N-methylperfluoro-1-octanesulfonamido) ethanol	ND		9.4	2.4
1691-99-2	2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	ND		9.4	2.4
13252-13-6	HFPO-DA	ND		1.9	0.71
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.9	0.47
377-73-1	Perfluoro-3-methoxypropanoic acid	ND		1.9	0.47
863090-89-5	Perfluoro(4-methoxybutanoic acid)	ND		1.9	0.47
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid	ND	cn	1.9	0.47
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND		1.9	0.47
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		1.9	0.47
113507-82-7	PFEESA	ND		1.9	0.47
356-02-5	3:3 FTCA	ND		3.8	0.94
914637-49-3	5:3 FTCA	ND		9.4	2.6
812-70-4	7:3 FTCA	ND		9.4	2.4

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: MW-23-021425
Lab Sample ID: 410-209941-6

Matrix: Water
Lab File ID: 25MAR05W-86.d

Analysis Method: 1633
Date Collected: 02/14/2025 14:25

Extraction Method: 1633
Date Extracted: 03/05/2025 07:58

Sample wt/vol: 132.6(mL)
Date Analyzed: 03/06/2025 08:09

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613042
Units: ng/L

Preparation Batch No.: 613015
Instrument ID: 29347

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	82.5		5-130
STL01893	13C5 PFPeA	88.6		40-130
STL02577	13C5 PFHxA	83.3		40-130
STL01892	13C4 PFHpA	90.4		40-130
STL01052	13C8 PFOA	84.2		40-130
STL02578	13C9 PFNA	82.5		40-130
STL02579	13C6 PFDA	70.5		40-130
STL02580	13C7 PFUnA	72.6		30-130
STL02116	13C2 PFTeDA	73.3		10-130
STL02337	13C3 PFBS	74.0		40-135
STL02581	13C3 PFHxS	84.4		40-130
STL01054	13C8 PFOS	82.8		40-130
STL01056	13C8 FOSA	68.4		40-130
STL02118	d3-NMeFOSAA	74.2		40-170
STL02117	d5-NEtFOSAA	77.5		25-135
STL02395	M2-4:2 FTS	76.3		40-200
STL02279	M2-6:2 FTS	80.6		40-200
STL02280	M2-8:2 FTS	68.2		40-300
STL02255	13C3 HFPO-DA	82.7		40-130
STL02277	d7-N-MeFOSE-M	59.4		10-130
STL02278	d9-N-EtFOSE-M	62.9		10-130
STL02704	d5-NEtPFOSA	59.6		10-130
STL02705	d3-NMePFOSA	57.8		10-130
STL00998	13C2 PFDoA	64.6		10-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\25MAR05W-86.d
Lims ID: 410-209941-A-6-B
Client ID: MW-23-021425
Sample Type: Client
Inject. Date: 06-Mar-2025 08:09:39 ALS Bottle#: 42 Worklist Smp#: 148
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: 410-209941-A-6-B
Misc. Info.: Plate: 1 Rack: 1 410-0139917-148
Operator ID: US19_USR_INS00012E Instrument ID: 29347

Method: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\29347_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 06-Mar-2025 18:01:56 Calib Date: 27-Feb-2025 16:49:35
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1676

First Level Reviewer: JU9U Date: 06-Mar-2025 17:47:20
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 4 13C4-PFBA										
216.80 > 171.90	4.108	4.116	-0.008	1.000	2064734	1.65		82.5	60401	
3 PFBA										
212.80 > 168.90	4.108	4.116	-0.008	1.000	106368	0.1060			48.9	
* 5 13C3PFBA										
216.00 > 172.00	4.108	4.116	-0.008		2183377	2.00			323	
8 PFPA										
263.00 > 219.00	4.708	4.711	-0.003	1.000	96328	0.1329			875	
D 9 13C5 PFPeA										
268.30 > 223.00	4.708	4.711	-0.003	0.894	857360	1.77		88.6	38204	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.050	5.063	-0.013	0.780	484075	3.58		76.3	20181	
16 PFHxA										
313.00 > 269.00	5.259	5.272	-0.013	0.998	105415	0.1138	Target=13.05		1211	
313.00 > 118.90	5.259	5.272	-0.013	0.998	7773		13.56(6.53-19.58)		408	
D 17 13C5 PFHxA										
318.00 > 273.00	5.269	5.281	-0.012	1.000	1686511	1.67		83.3	68744	
* 15 13C2 PFHxA										
315.10 > 270.00	5.269	5.281	-0.012		4686376	5.00			136194	
19 PFBS										
298.70 > 79.90	5.403	5.418	-0.015	1.000	58466	0.0440	Target=3.09		1855	
298.70 > 98.80	5.393	5.418	-0.025	0.998	22154		2.64(1.55-4.64)		1098	
D 20 13C3 PFBS										
302.10 > 79.90	5.403	5.418	-0.015	0.834	2265916	1.38		74.0	70904	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.481	5.496	-0.015	1.040	1077216	1.65		82.7	38872	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
26 PFHpA										
363.10 > 319.00	5.776	5.790	-0.014	1.000	72687	0.0497	Target=3.46		291	
363.10 > 169.00	5.776	5.790	-0.014	1.000	20396		3.56(1.73-5.19)		347	
D 27 13C4 PFHpA										
367.10 > 322.00	5.776	5.790	-0.014	1.096	2237998	1.81		90.4	107470	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.020	6.031	-0.011	0.930	360226	3.84		80.6	19183	
D 34 13C8 PFOA										
421.10 > 376.00	6.243	6.254	-0.011	1.000	2235690	1.68		84.2	94722	
* 35 13C4 PFOA										
417.10 > 372.00	6.243	6.254	-0.011		6546787	5.00			400857	
36 PFOA										
413.00 > 369.00	6.243	6.254	-0.011	1.000	224625	0.2106	Target=2.10		60244	
413.00 > 169.00	6.233	6.254	-0.021	0.998	105739		2.12(1.05-3.15)		8588	
* 38 18O2 PFHxS										
403.00 > 83.90	6.475	6.496	-0.021		2870131	1.89			191284	
40 PFHxS										
398.70 > 79.90	6.475	6.496	-0.021	1.000	48244	0.0241	Target=2.96		13254	
398.70 > 98.90	6.475	6.496	-0.021	1.000	15951		3.02(1.48-4.44)		28.0	
D 39 13C3 PFHxS										
402.10 > 79.90	6.475	6.496	-0.021	1.000	2381567	1.60		84.4	94734	
* 43 13C5 PFNA										
468.00 > 423.00	6.689	6.701	-0.012		2764239	2.00			149107	
42 PFNA										
463.00 > 419.00	6.573	6.701	-0.128	0.983	77226	0.0675	Target=5.06		9499	
463.00 > 219.00	6.583	6.701	-0.118	0.984	18364		4.21(2.53-7.59)		26.8	
D 41 13C9 PFNA										
472.10 > 427.00	6.689	6.701	-0.012	1.000	2229380	1.65		82.5	96391	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.878	6.898	-0.020	1.062	192837	3.27		68.2	14732	
D 50 d3-NMeFOSAA										
573.20 > 419.00	7.049	7.058	-0.009	0.956	2148859	3.71		74.2	95828	
D 53 13C6 PFDA										
519.10 > 474.10	7.110	7.128	-0.018	1.000	1624884	1.41		70.5	90525	
* 52 13C2 PFDA										
515.10 > 470.10	7.110	7.128	-0.018		2250384	2.00			126029	
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.228	7.246	-0.018	0.981	1930259	3.88		77.5	83910	
D 56 13C8 PFOS										
507.10 > 79.90	7.370	7.388	-0.018	1.000	2367579	1.58		82.8	56515	
58 PFOS										M
498.90 > 79.90	7.379	7.388	-0.009	1.001	185288	0.1200	Target=3.87		9165	M
498.90 > 98.80	7.370	7.388	-0.018	1.000	36560		5.07(1.93-5.80)		66.6	M
* 57 13C4 PFOS										
502.80 > 79.90	7.370	7.398	-0.028		3040062	1.91			130852	
D 60 13C7 PFUnA										
570.00 > 525.10	7.530	7.551	-0.021	1.059	1193387	1.45		72.6	81523	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 64 PFDoA										
615.10 > 570.00	7.944	7.960	-0.016	1.117	857235	1.29		64.6	67751	
D 66 13C8 FOSA										
506.10 > 77.80	8.066	8.066	0.0	1.094	1965636	1.37		68.4	110736	
D 71 13C2 PFTeDA										
715.20 > 670.00	8.674	8.689	-0.015	1.220	1028006	1.47		73.3	48657	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.004	8.998	0.006	1.222	482573	2.97		59.4	3925	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.104	9.099	0.005	1.235	366088	1.16		57.8	29187	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.229	9.224	0.005	1.252	638538	3.14		62.9	2963	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.304	9.299	0.005	1.262	422648	1.19		59.6	19678	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_IS_V_00233 Amount Added: 50.00 Units: uL

Report Date: 06-Mar-2025 18:03:30 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\25MAR05W-86.d

Injection Date: 06-Mar-2025 08:09:39 Instrument ID: 29347

Lims ID: 410-209941-A-6-B Lab Sample ID: 410-209941-6

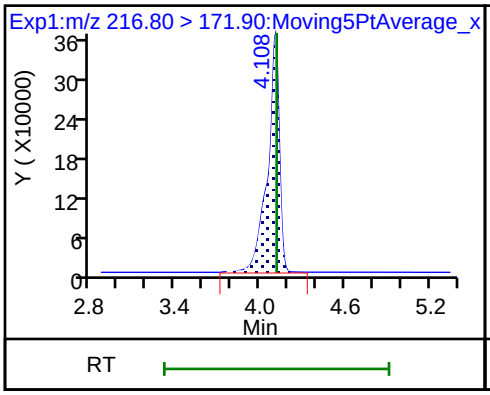
Client ID: MW-23-021425

Operator ID: US19_USR_INS00012E ALS Bottle#: 42 Worklist Smp#: 148

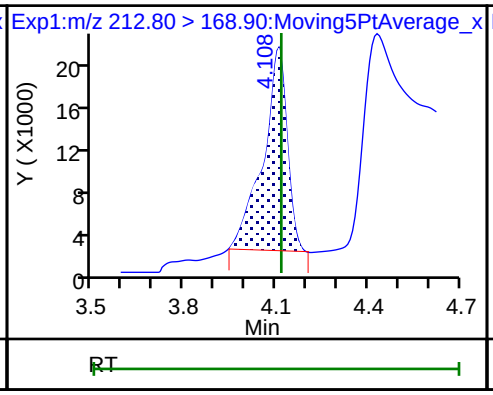
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 29347_1633Final Limit Group: LC - 1633 LVI- ICAL

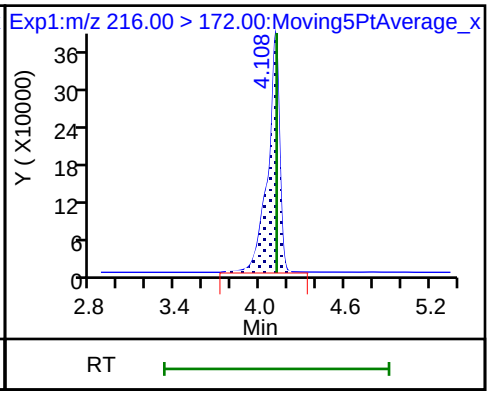
D 4 13C4-PFBA



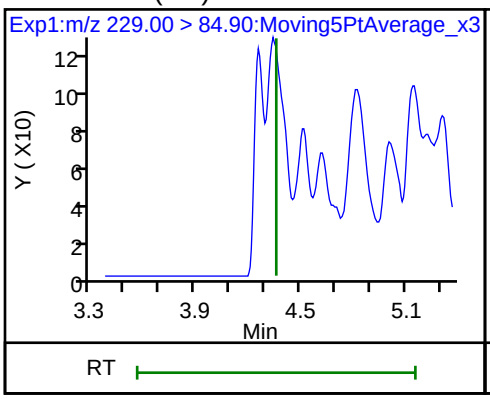
3 PFBA



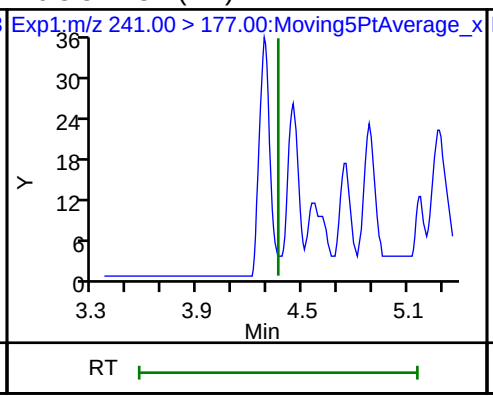
* 5 13C3PFBA



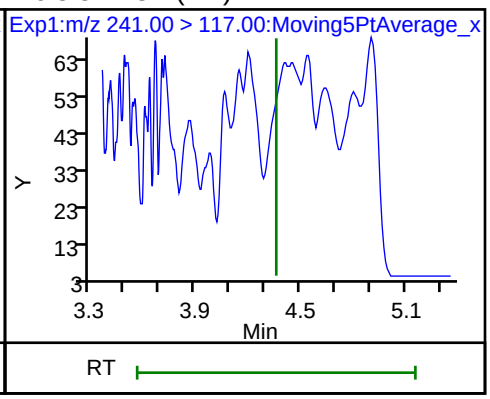
7 PFMPA (ND)



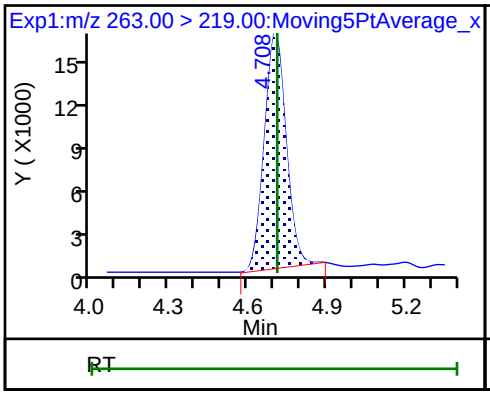
6 3:3 FTCA (ND)



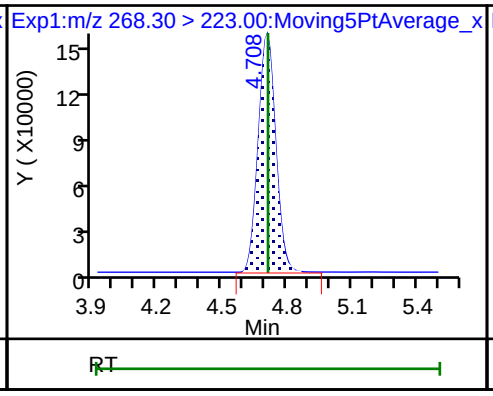
6 3:3 FTCA (ND)



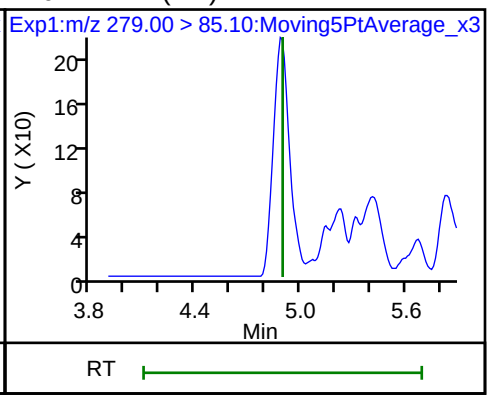
8 PFPA



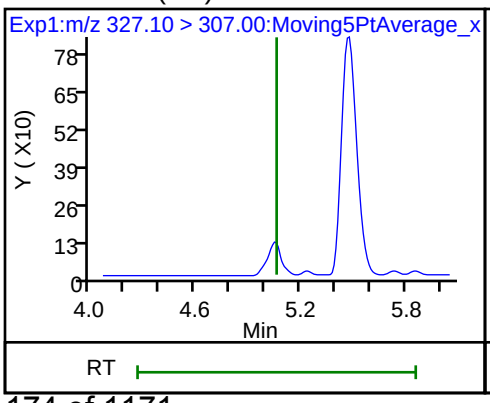
D 9 13C5 PFPeA



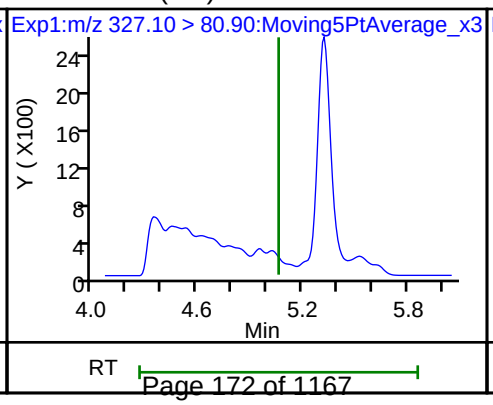
10 PFMBA (ND)



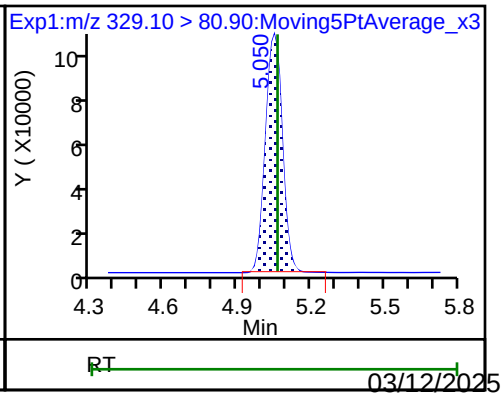
11 4:2FTS (ND)



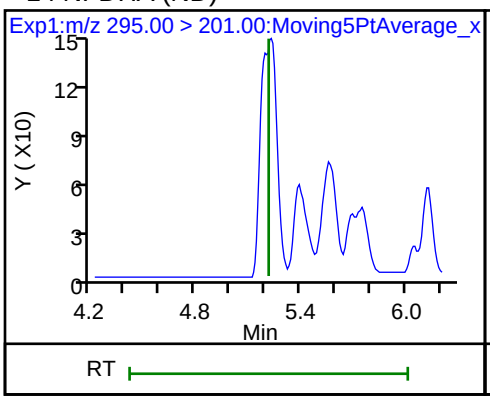
11 4:2FTS (ND)



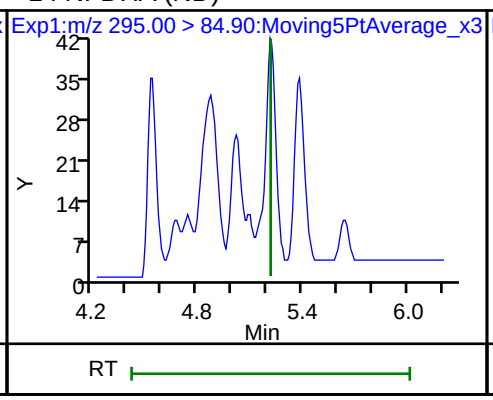
D 13 13C2-4:2FTS



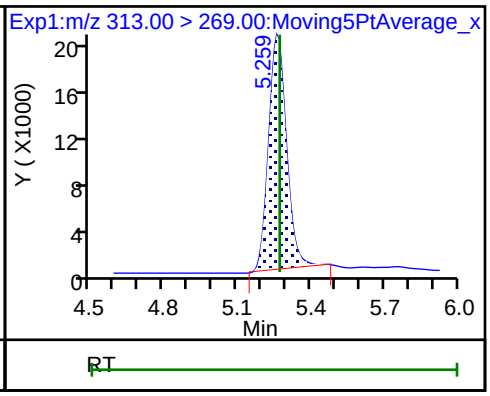
14 NFDHA (ND)



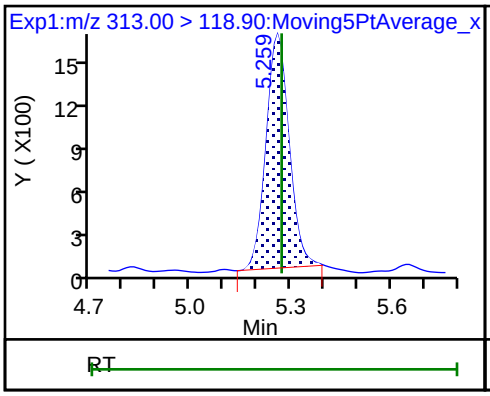
14 NFDHA (ND)



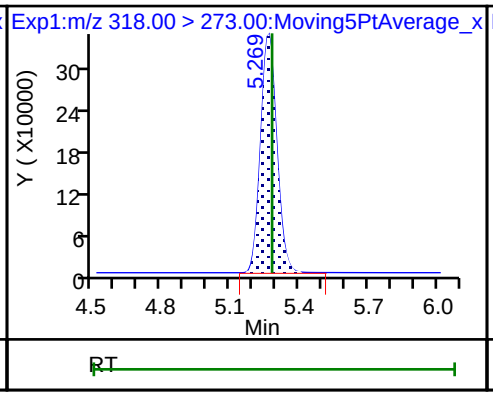
16 PFHxA



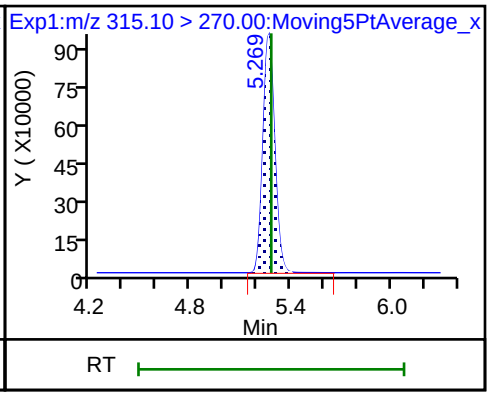
16 PFHxA



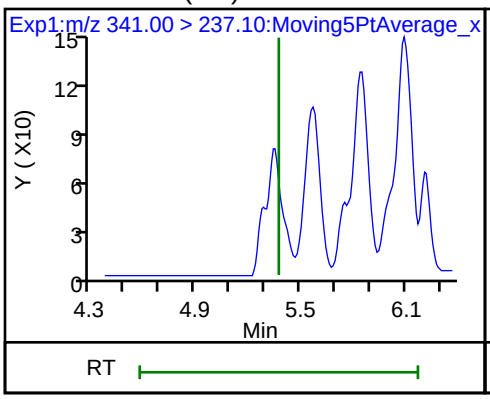
D 17 13C5 PFHxA



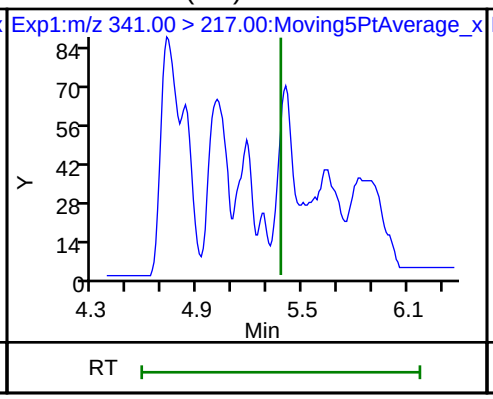
* 15 13C2 PFHxA



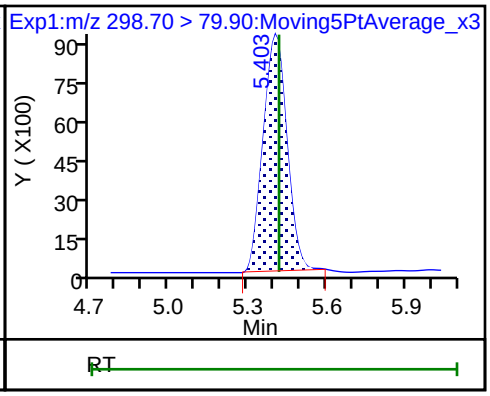
18 5:3 FTCA (ND)



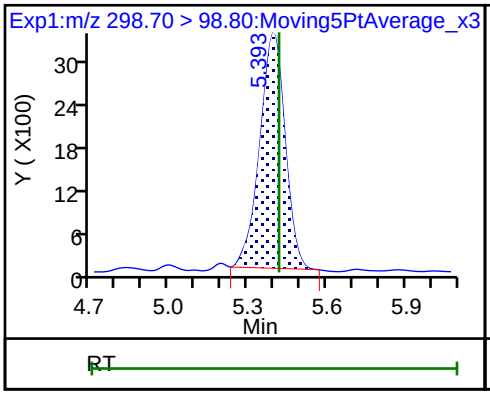
18 5:3 FTCA (ND)



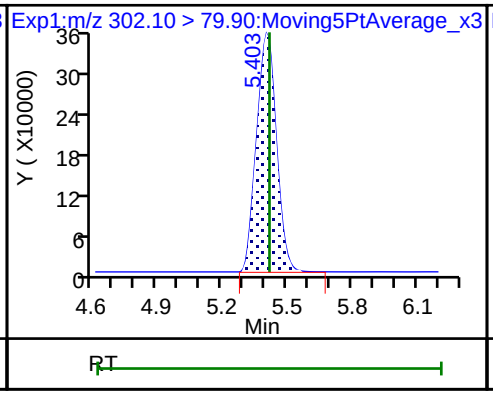
19 PFBS



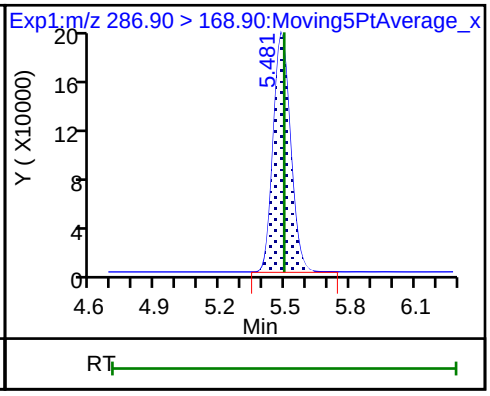
19 PFBS



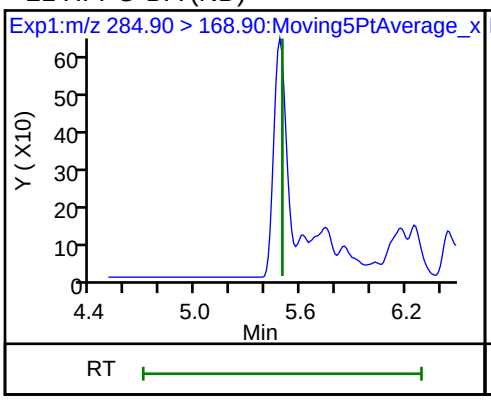
D 20 13C3 PFBS



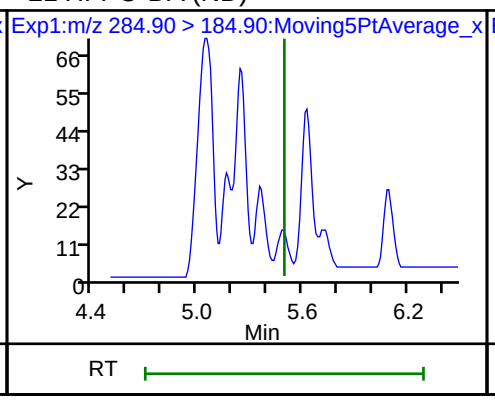
D 22 13C3 HFPO-DA



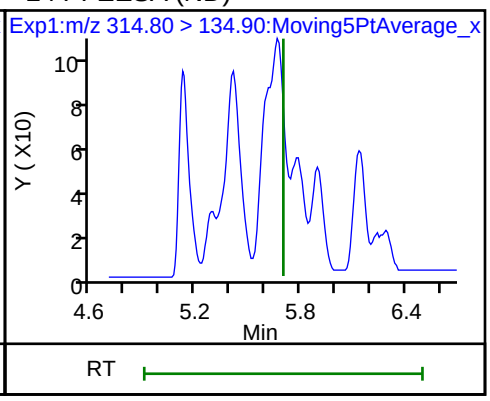
21 HFPO-DA (ND)



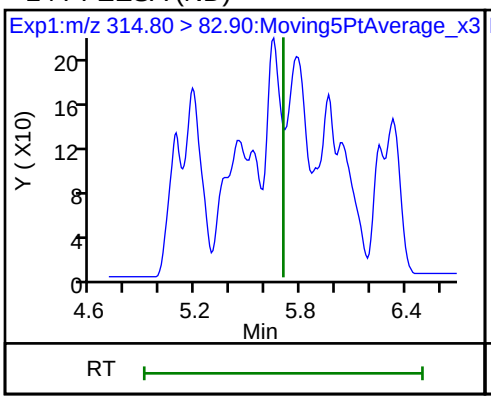
21 HFPO-DA (ND)



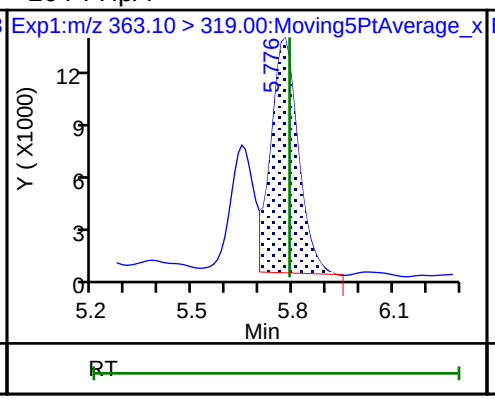
24 PFEESA (ND)



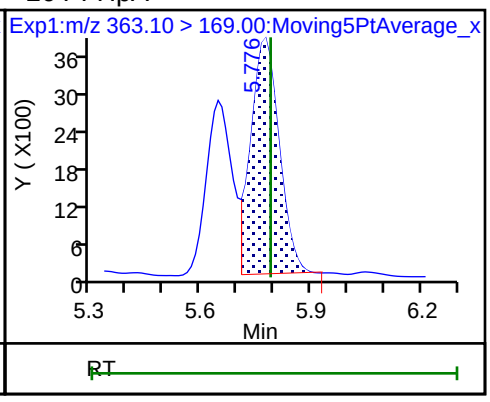
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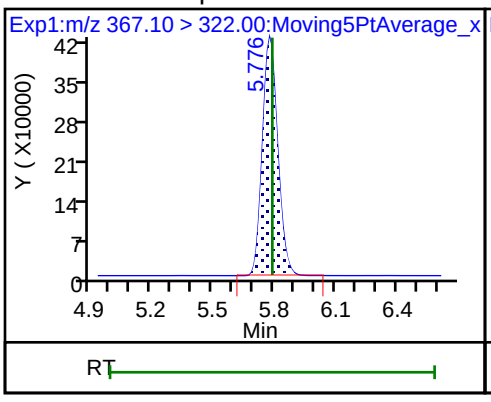
26 PFHpA



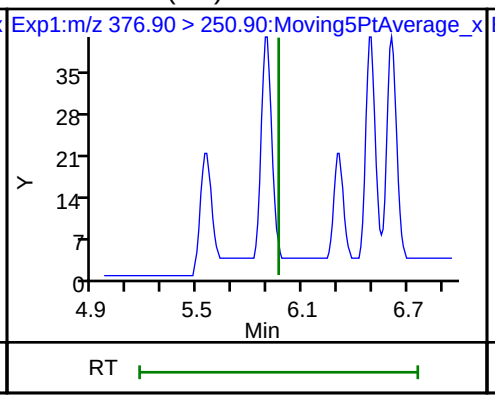
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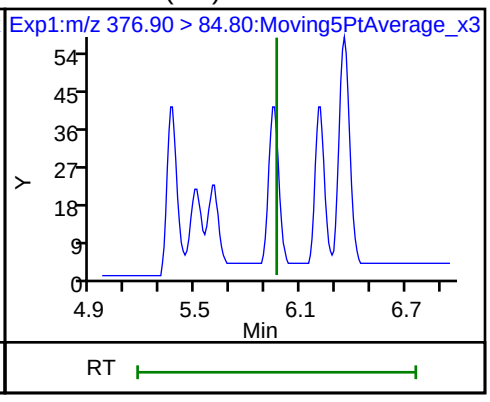
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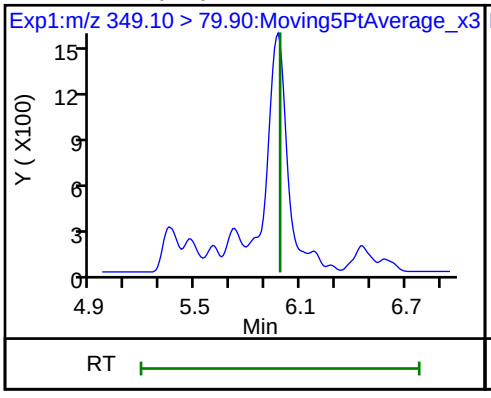
28 ADONA (ND)



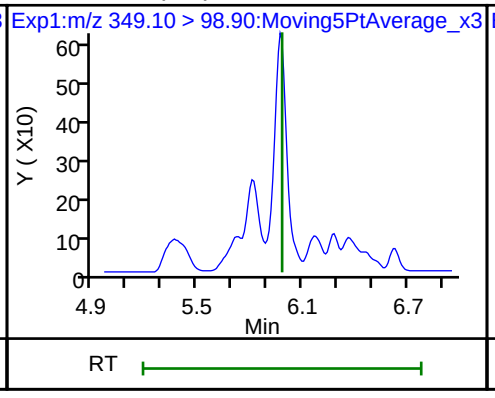
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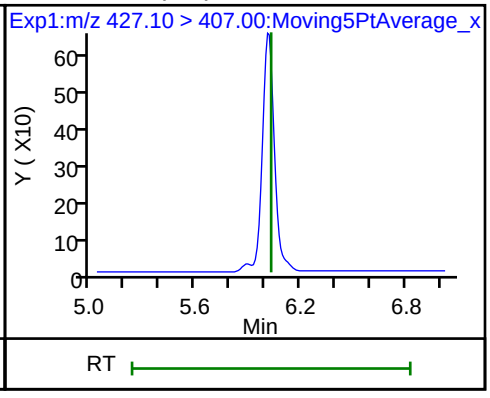
29 PFPeS (ND)



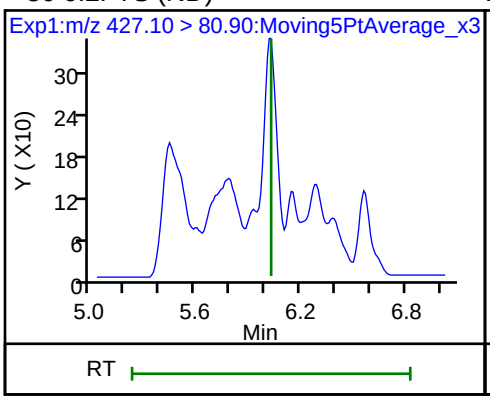
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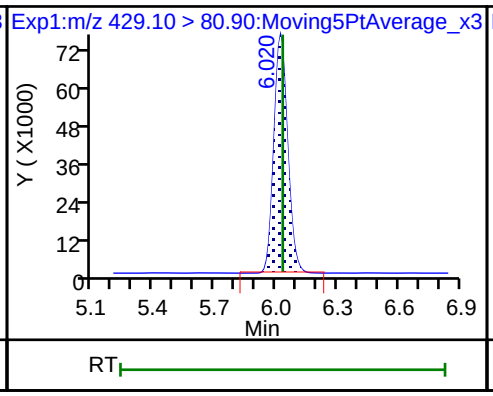
30 6:2FTS (ND)



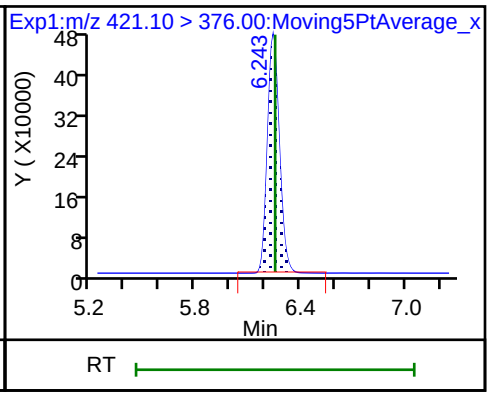
30 6:2FTS (ND)



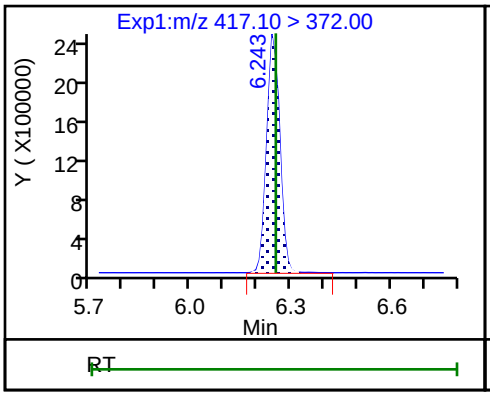
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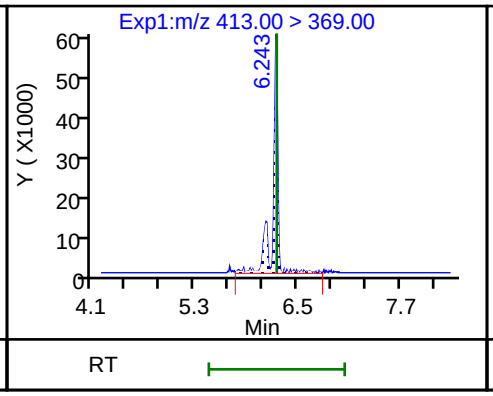
D 34 13C8 PFOA



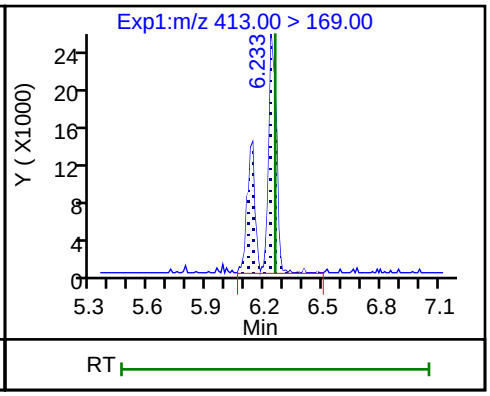
* 35 13C4 PFOA



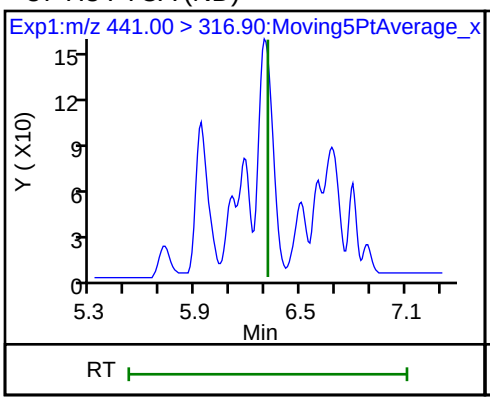
36 PFOA



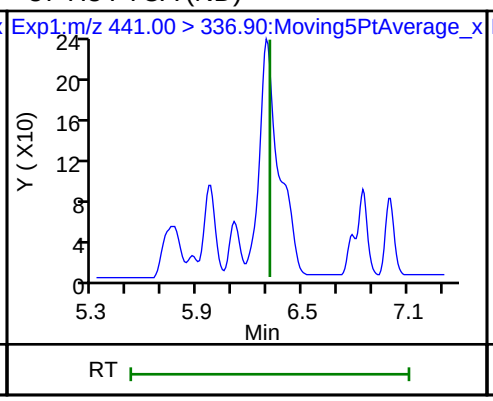
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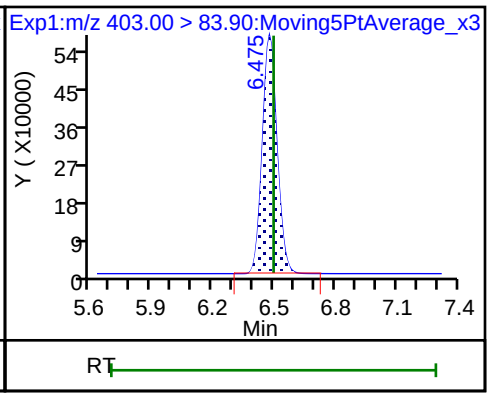
37 7:3 FTCA (ND)



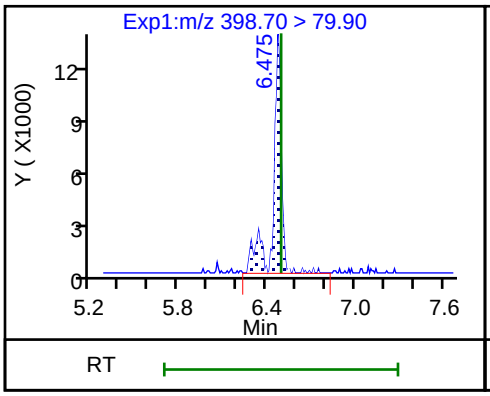
37 7:3 FTCA (ND)



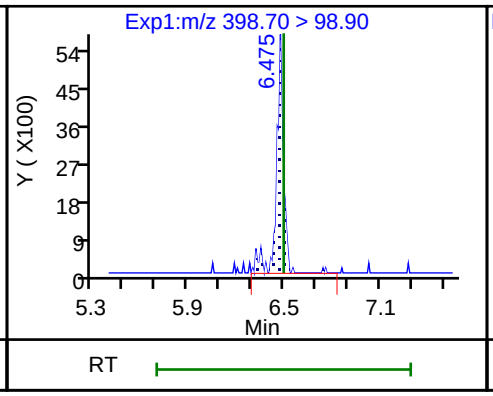
* 38 18O2 PFHxS



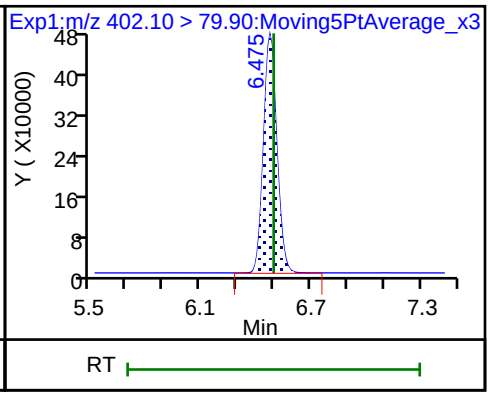
40 PFHxS



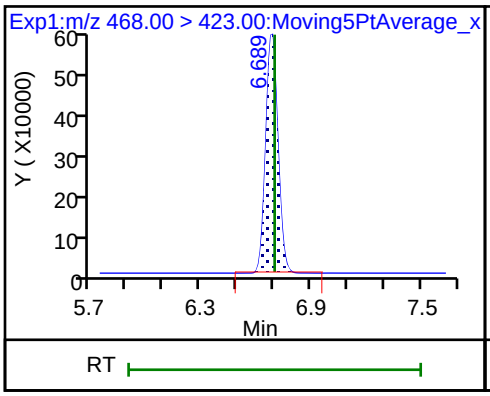
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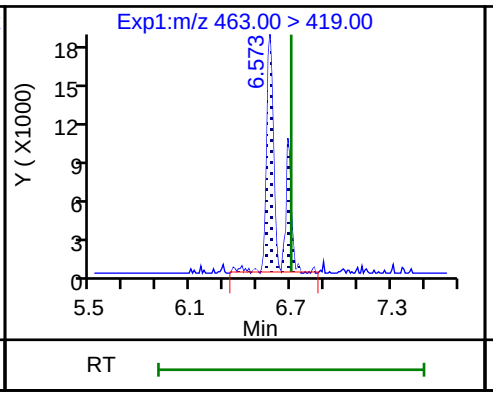
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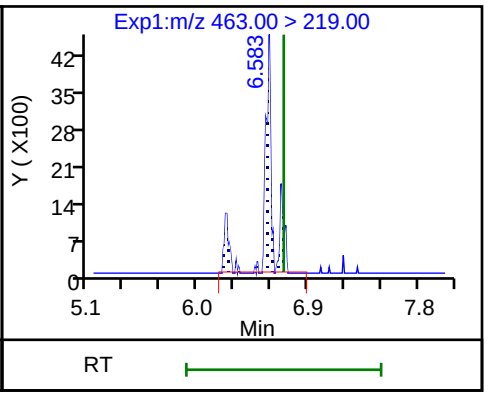
* 43 13C5 PFNA



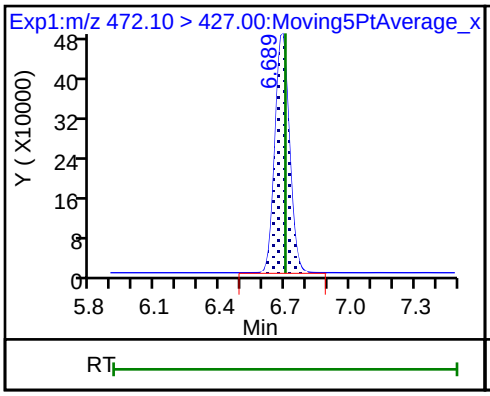
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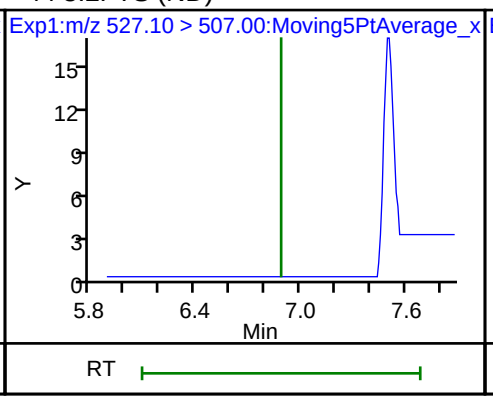
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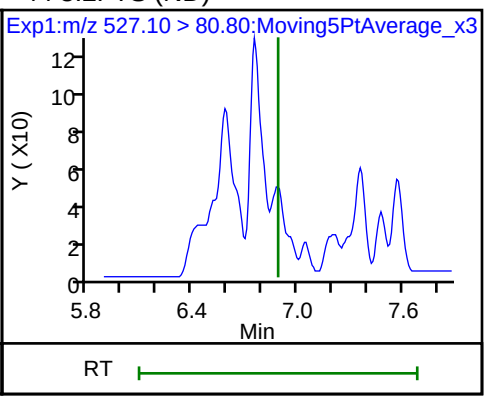
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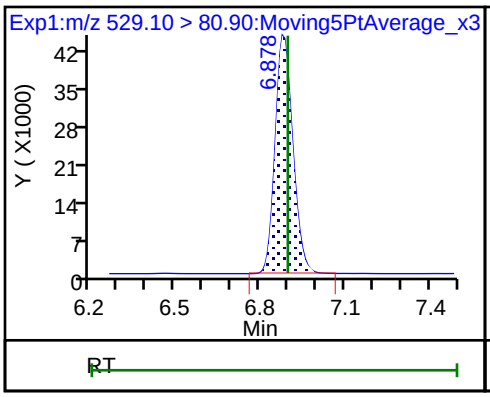
44 8:2FTS (ND)



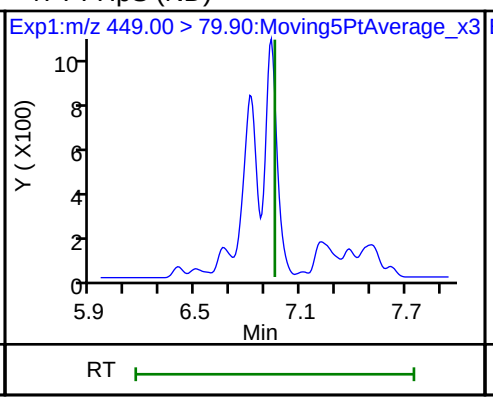
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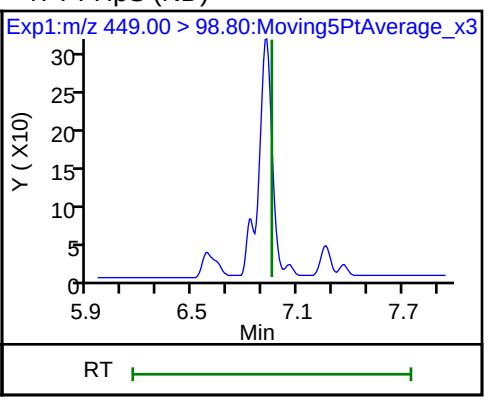
D 45 13C2-8:2FTS



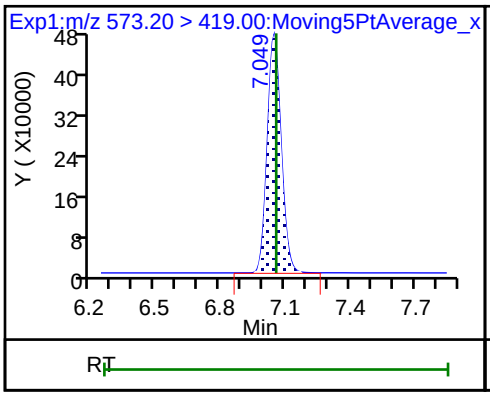
47 PFHpS (ND)



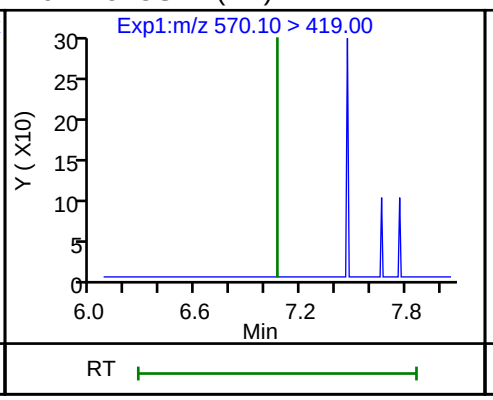
47 PFHpS (ND)



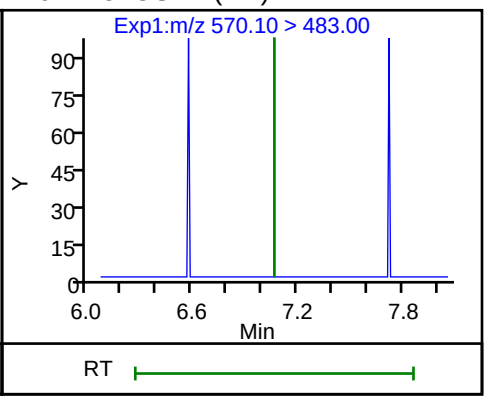
D 50 d3-NMeFOSAA



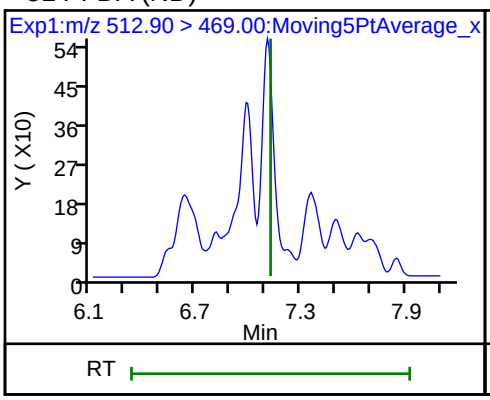
49 NMeFOSAA (ND)



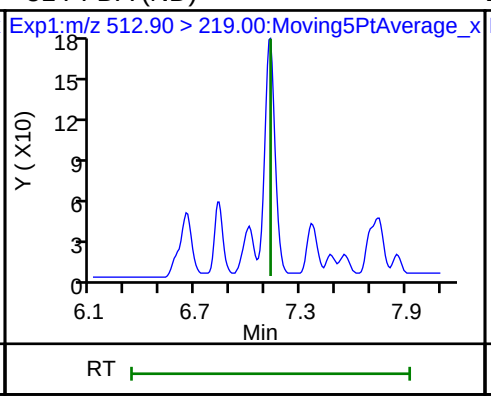
49 NMeFOSAA (ND)



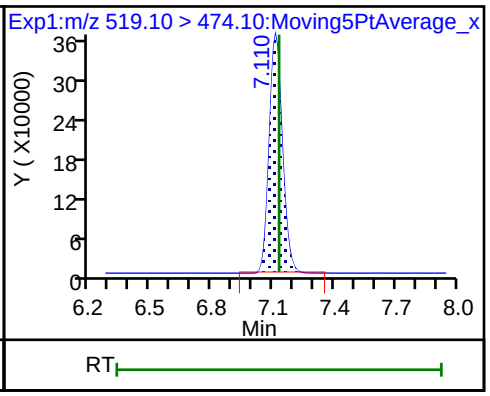
51 PFDA (ND)



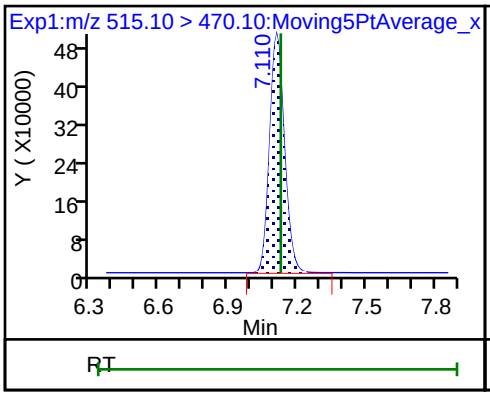
51 PFDA (ND)



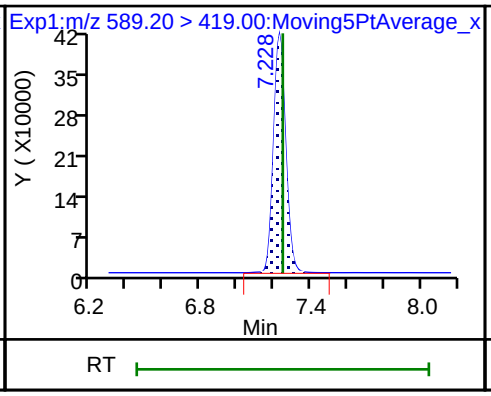
D 53 13C6 PFDA



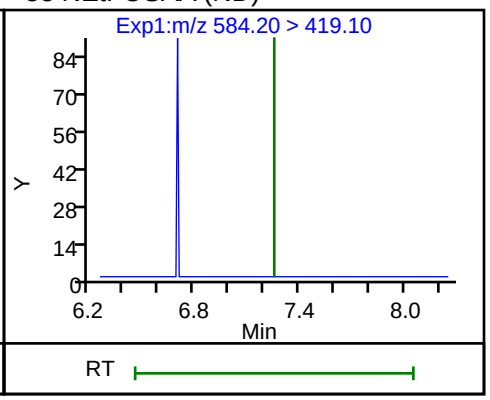
* 52 13C2 PFDA



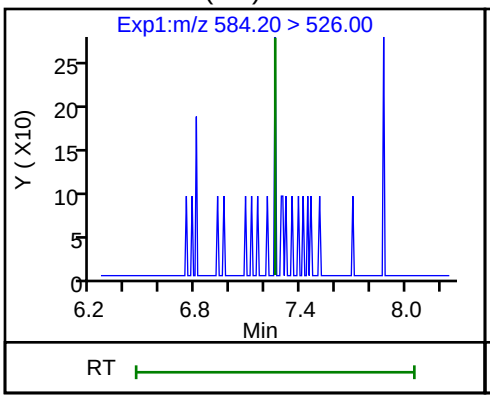
D 54 d5-NEtFOSAA



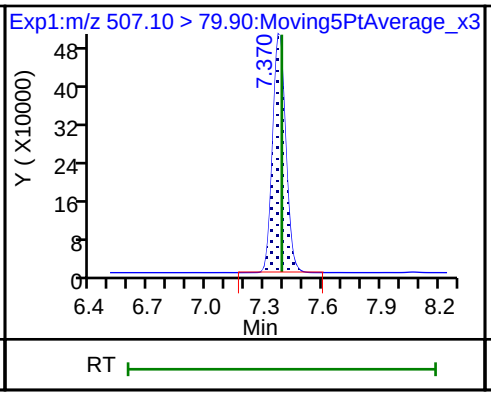
55 NEtFOSAA (ND)



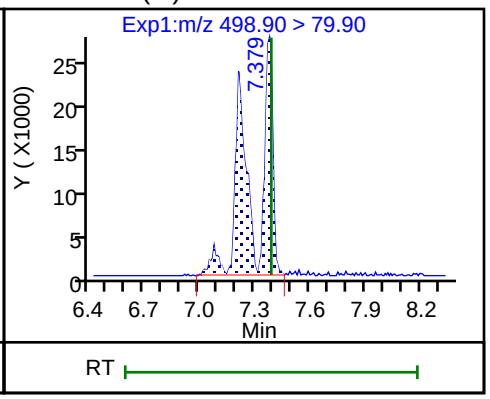
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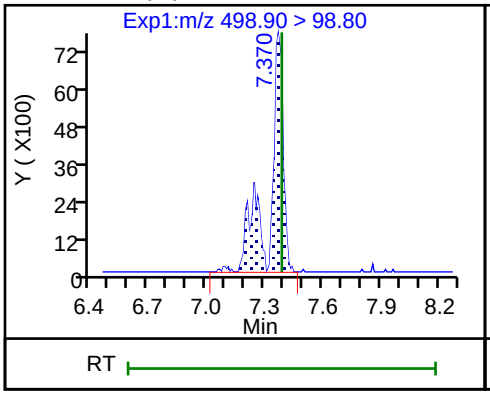
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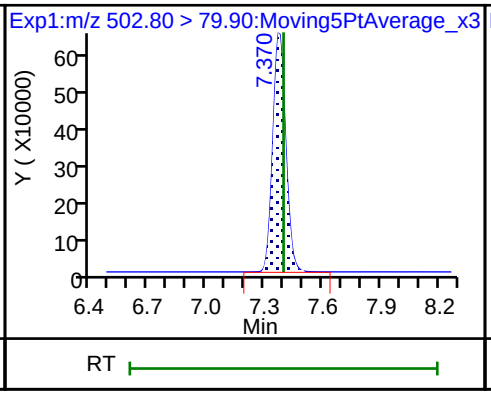
58 PFOS (M)



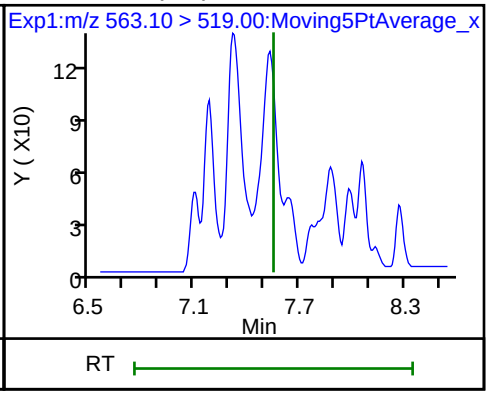
58 PFOS (M)



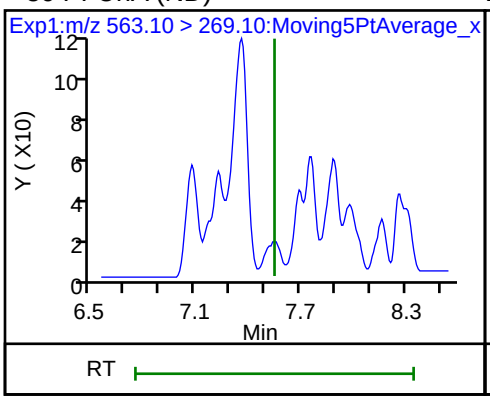
* 57 13C4 PFOS



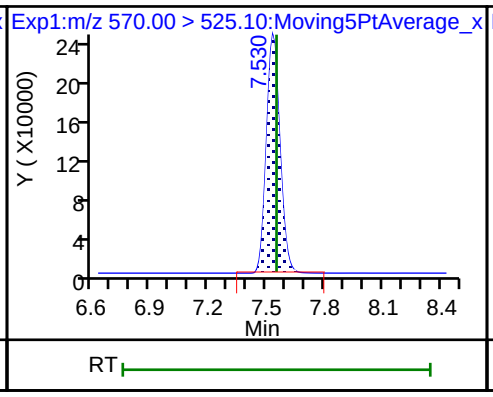
59 PFUnA (ND)



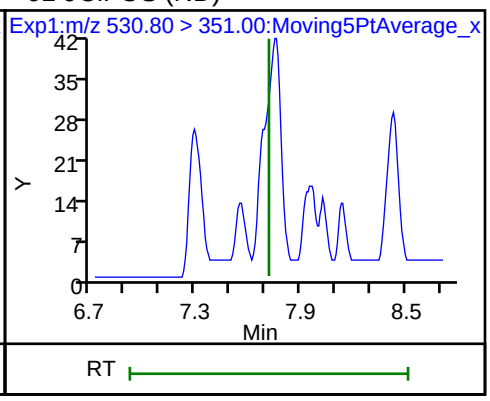
59 PFUnA (ND)



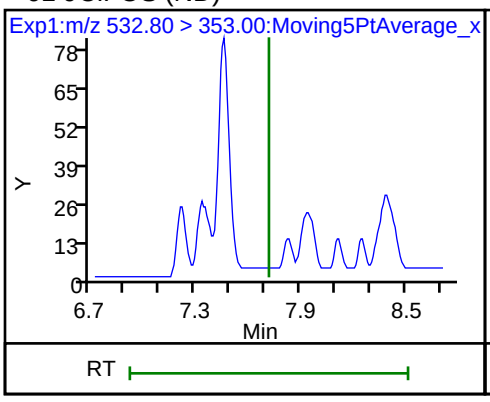
D 60 13C7 PFUnA



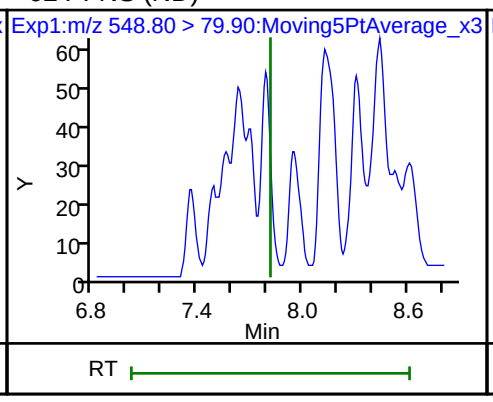
61 9ClFOS (ND)



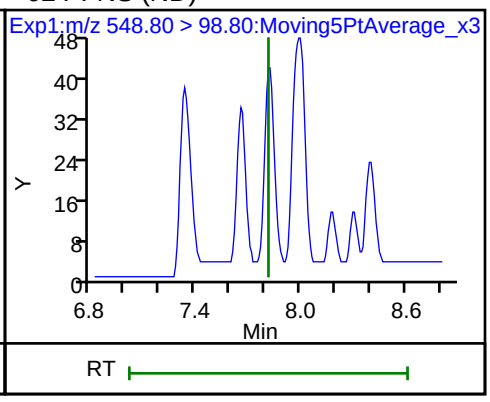
61 9ClFOS (ND)



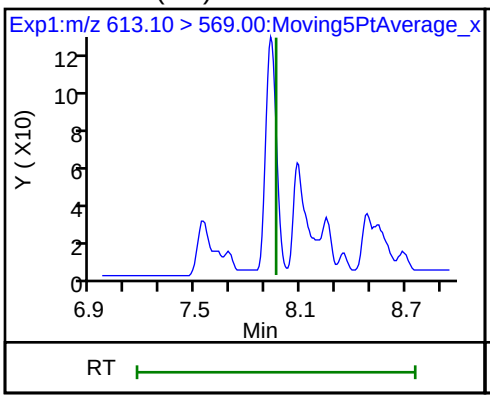
62 PFNS (ND)



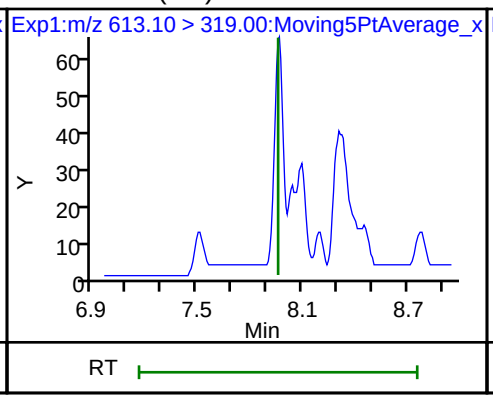
62 PFNS (ND)



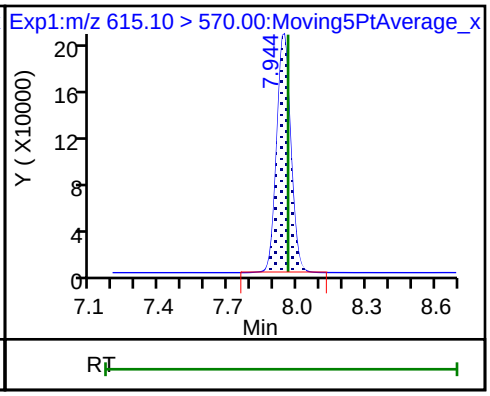
63 PFDoA (ND)



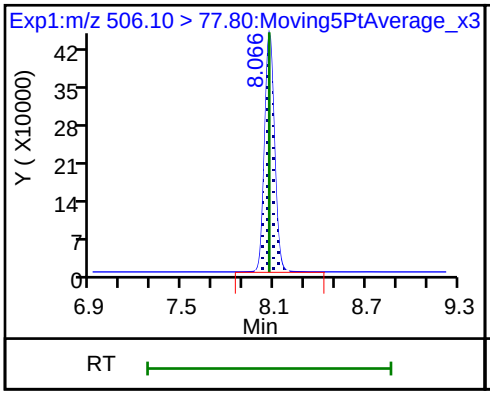
63 PFDoA (ND)



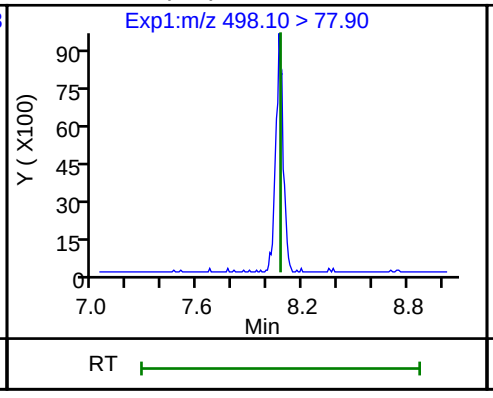
D 64 PFDoA



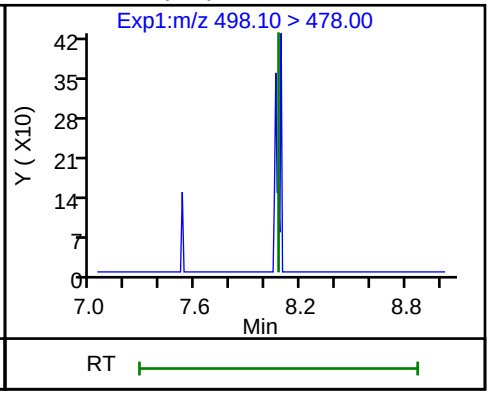
D 66 13C8 FOSA



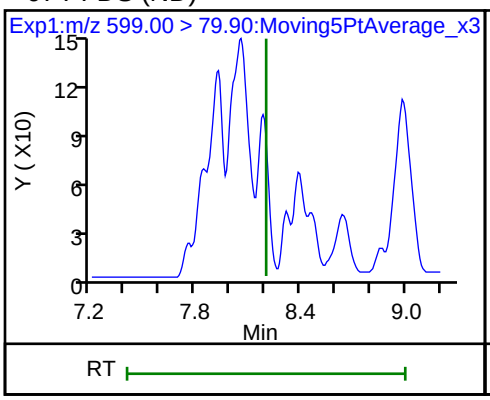
65 PFOSA (ND)



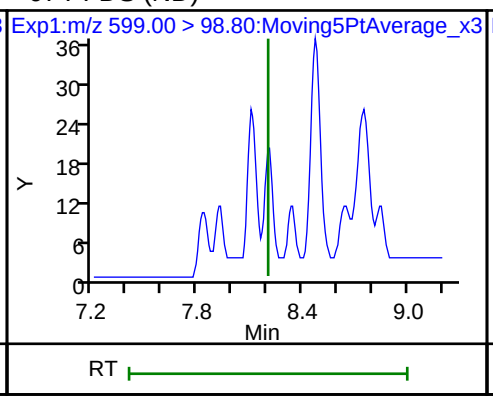
65 PFOSA (ND)



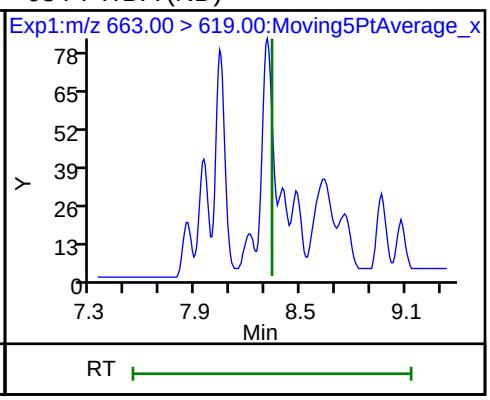
67 PFDS (ND)



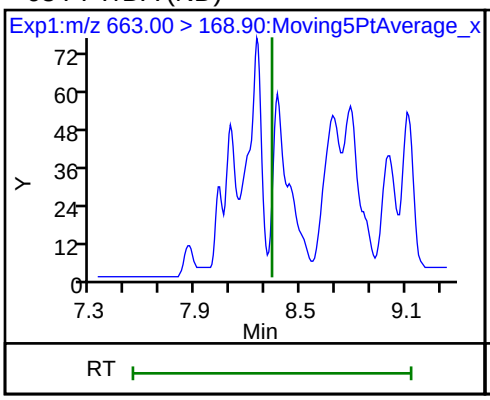
67 PFDS (ND)



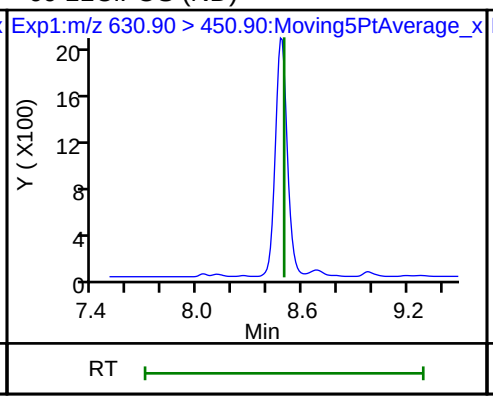
68 PFTrDA (ND)



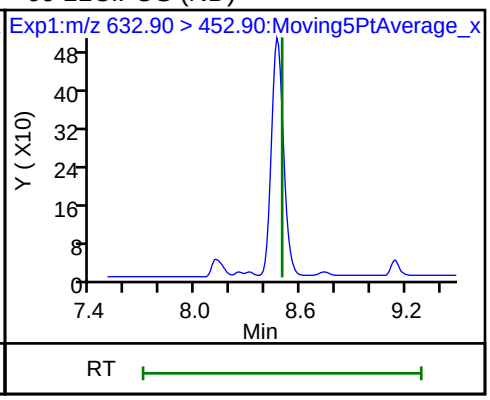
68 PFTrDA (ND)



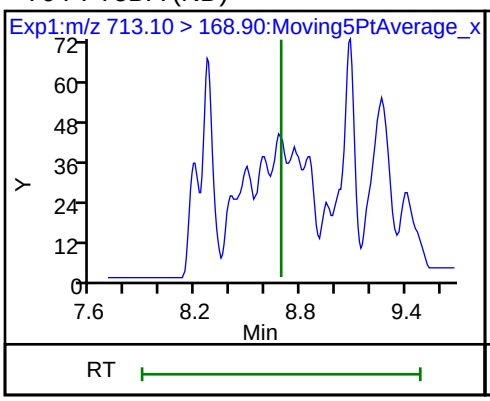
69 11ClFOS (ND)



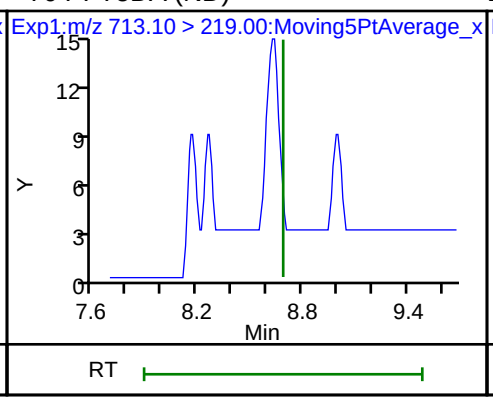
69 11ClFOS (ND)



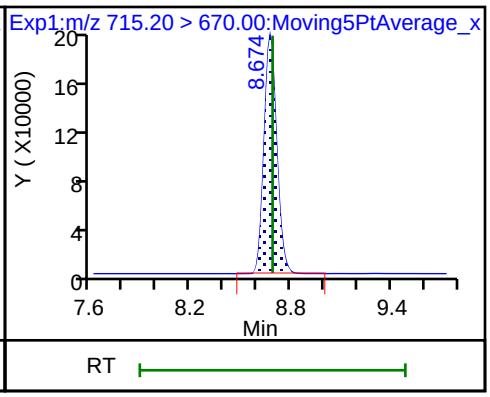
70 PFTeDA (ND)



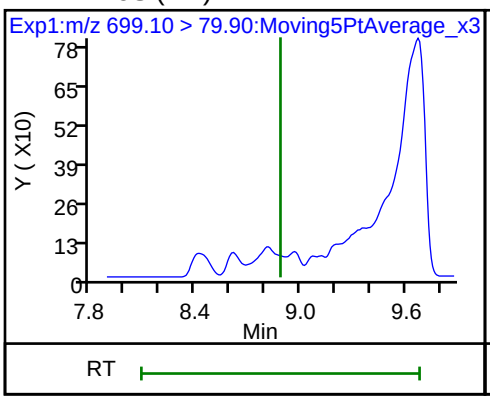
70 PFTeDA (ND)



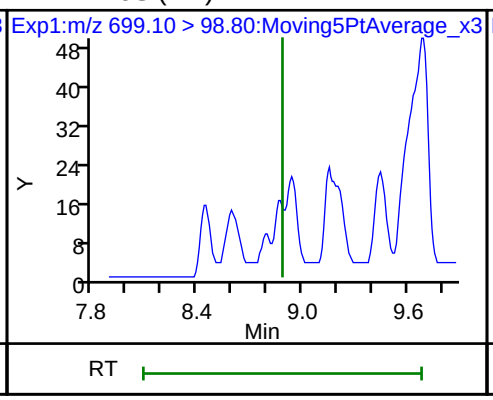
D 71 13C2 PFTeDA



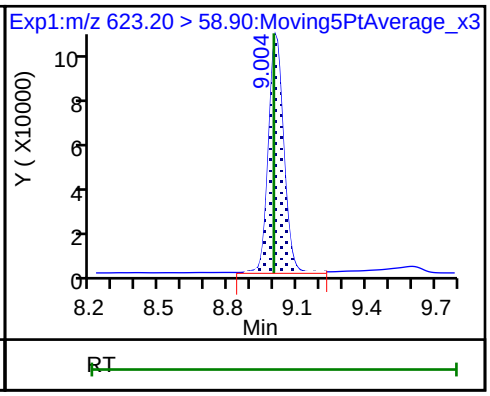
72 PFDoS (ND)



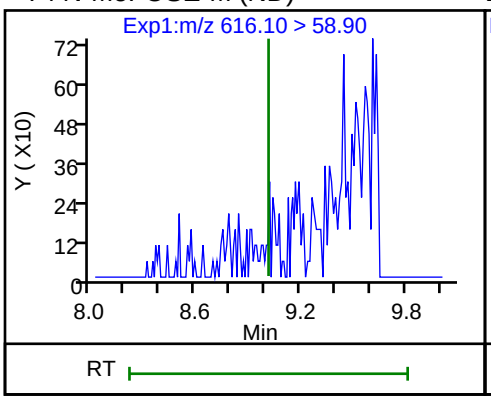
72 PFDoS (ND)



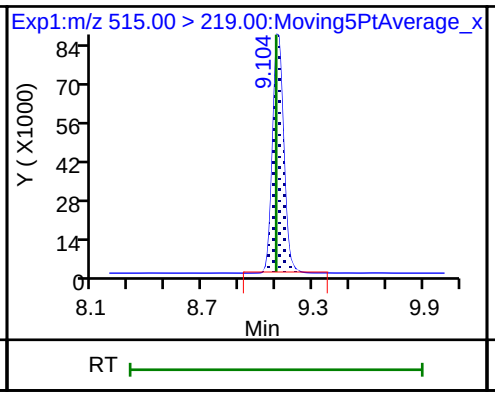
D 73 d7-N-Me-FOSE



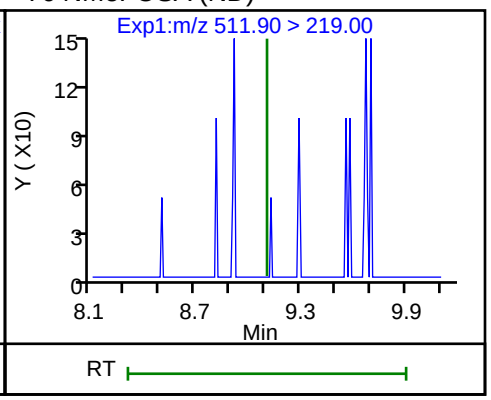
74 N-MeFOSE-M (ND)



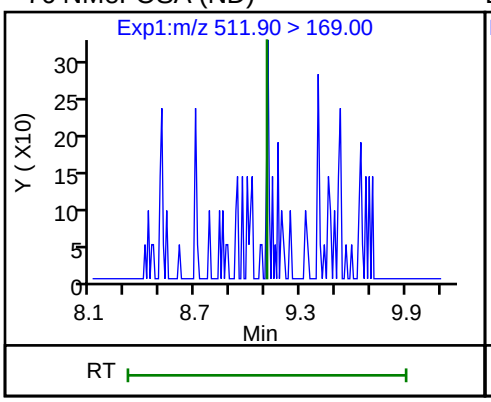
D 75 d3-NMePFOSA



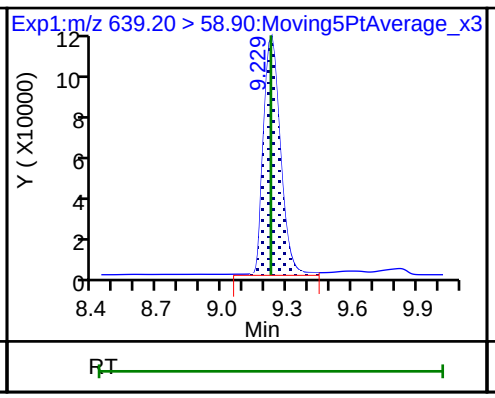
76 NMeFOSA (ND)



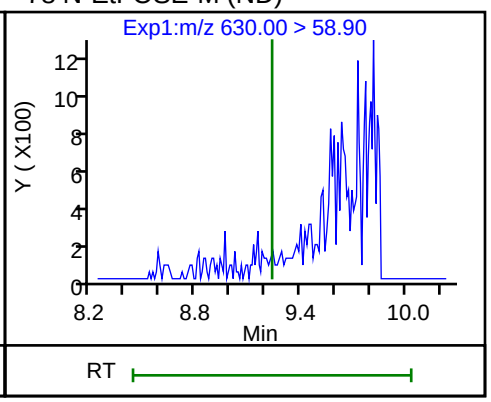
76 NMeFOSA (ND)



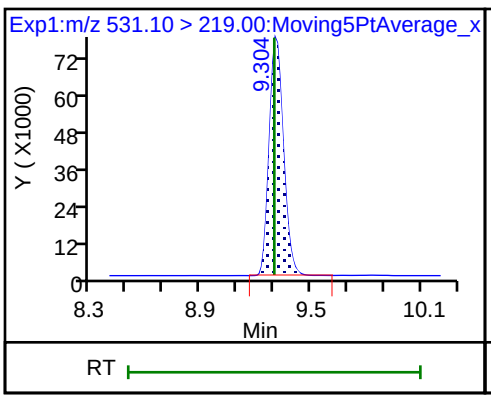
D 77 d9-N-EtFOSE



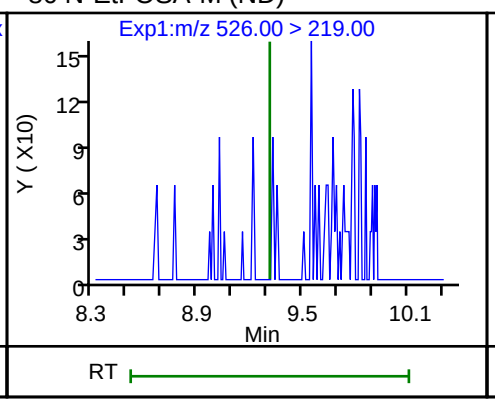
78 N-EtFOSE-M (ND)



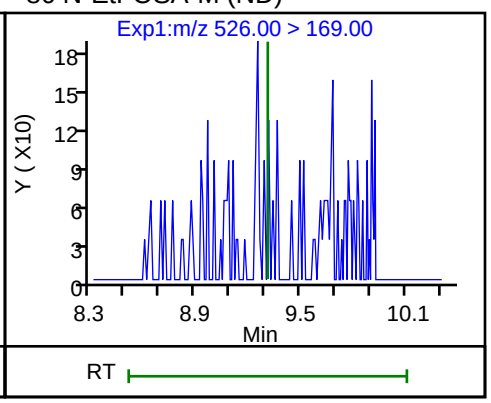
D 79 d5-NEtPFOSA



80 N-EtFOSA-M (ND)



80 N-EtFOSA-M (ND)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

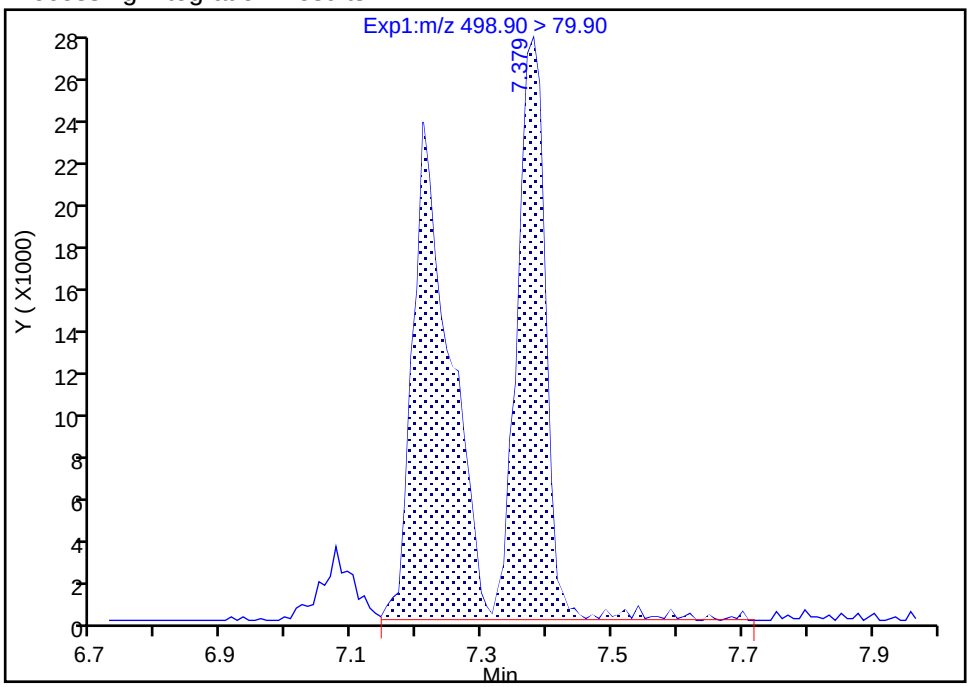
Data File:	\\chromfs\Lancaster\ChromData\29347\20250305-139917.b\25MAR05W-86.d				
Injection Date:	06-Mar-2025 08:09:39	Instrument ID:	29347		
Lims ID:	410-209941-A-6-B	Lab Sample ID:	410-209941-6		
Client ID:	MW-23-021425				
Operator ID:	US19_USR_INS00012E	ALS Bottle#:	42	Worklist Smp#:	148
Injection Vol:	7.0 ul	Dil. Factor:	1.0000		
Method:	29347_1633Final	Limit Group:	LC - 1633 LVI- ICAL		
Column:		Detector	EXP1		

58 PFOS, CAS: 1763-23-1

Signal: 1

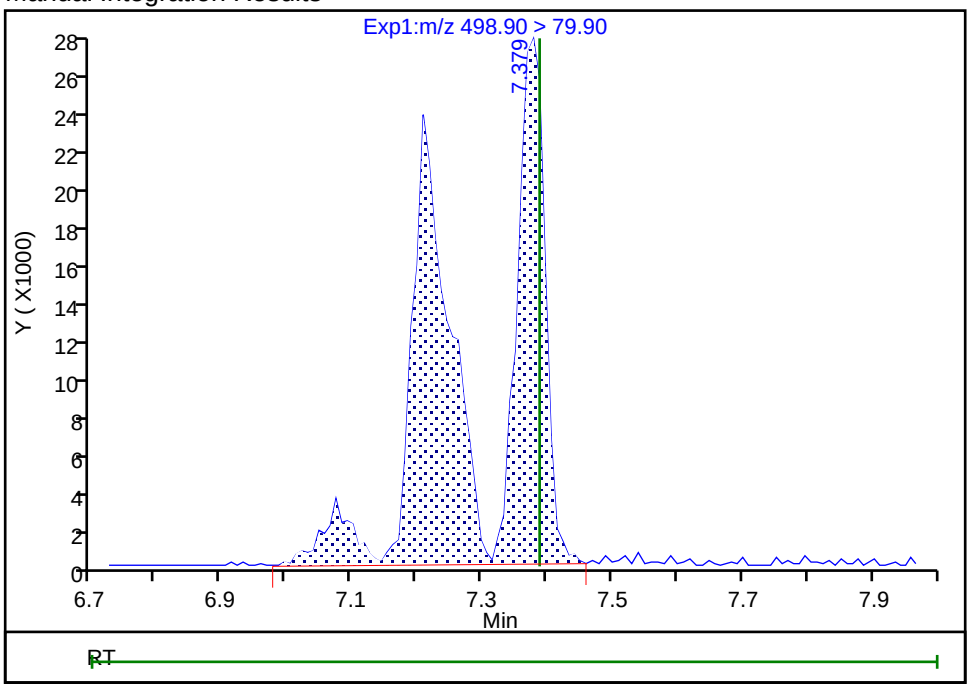
Processing Integration Results

RT: 7.38
Area: 178054
Amount: 0.114869
Amount Units: ng/ml



Manual Integration Results

RT: 7.38
Area: 185288
Amount: 0.120001
Amount Units: ng/ml



Reviewer: JU9U, 06-Mar-2025 17:46:56 -05:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Isomers

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

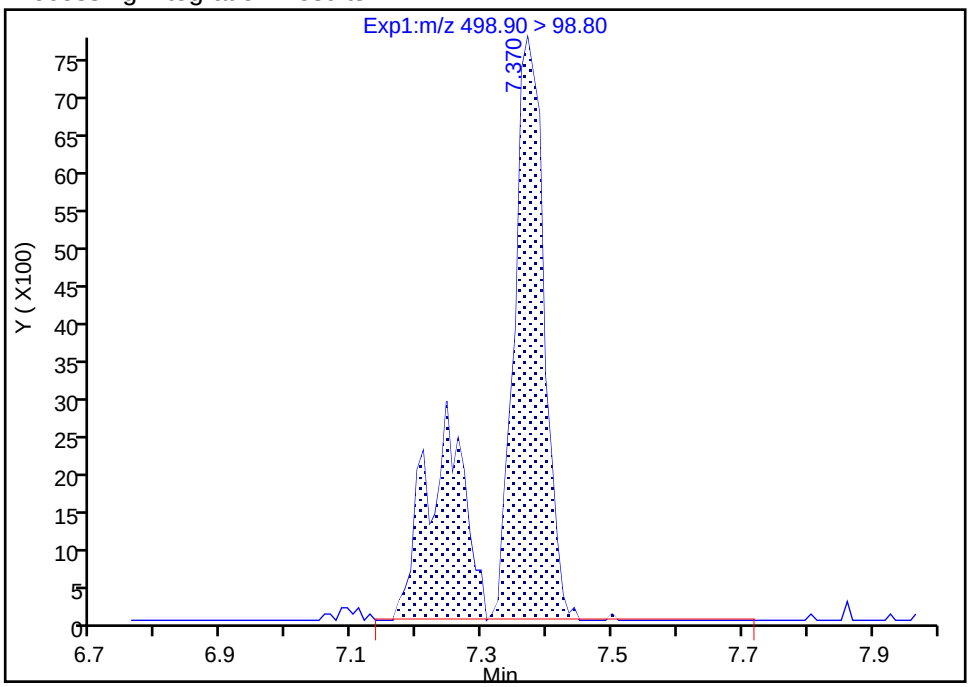
Data File:	\\chromfs\Lancaster\ChromData\29347\20250305-139917.b\25MAR05W-86.d				
Injection Date:	06-Mar-2025 08:09:39	Instrument ID:	29347		
Lims ID:	410-209941-A-6-B	Lab Sample ID:	410-209941-6		
Client ID:	MW-23-021425				
Operator ID:	US19_USR_INS00012E	ALS Bottle#:	42	Worklist Smp#:	148
Injection Vol:	7.0 ul	Dil. Factor:	1.0000		
Method:	29347_1633Final	Limit Group:	LC - 1633 LVI- ICAL		
Column:		Detector	EXP1		

58 PFOS, CAS: 1763-23-1

Signal: 2

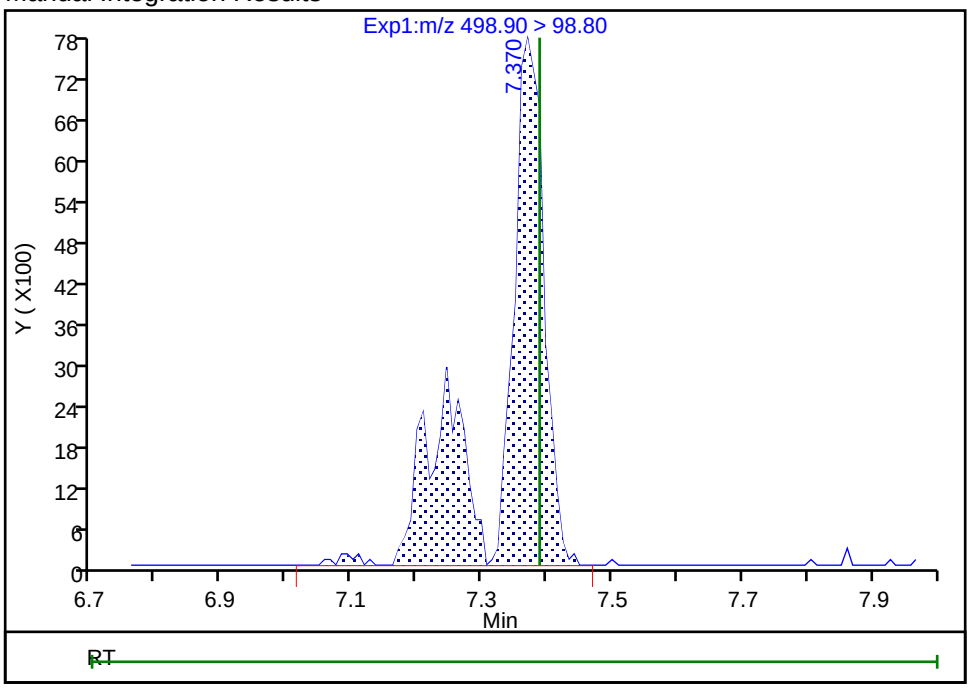
Processing Integration Results

RT: 7.37
Area: 36177
Amount: 0.114869
Amount Units: ng/ml



Manual Integration Results

RT: 7.37
Area: 36560
Amount: 0.120001
Amount Units: ng/ml



Reviewer: JU9U, 06-Mar-2025 17:47:00 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Isomers

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: MW-26-021825
Lab Sample ID: 410-209941-7

Matrix: Water
Lab File ID: 25MAR06-42.d

Analysis Method: 1633
Date Collected: 02/18/2025 15:00

Extraction Method: 1633
Date Extracted: 03/06/2025 08:30

Sample wt/vol: 141.4(mL)
Date Analyzed: 03/07/2025 03:24

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613851
Units: ng/L

Preparation Batch No.: 613587
Instrument ID: 30729

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	ND		3.5	0.97
2706-90-3	Perfluoropentanoic acid	1.3	J	1.8	0.53
307-24-4	Perfluorohexanoic acid	ND		1.8	0.44
375-85-9	Perfluoroheptanoic acid	1.0	J	1.8	0.71
335-67-1	Perfluorooctanoic acid	6.7		1.8	0.80
375-95-1	Perfluorononanoic acid	4.9		1.8	0.44
335-76-2	Perfluorodecanoic acid	ND		1.8	0.44
2058-94-8	Perfluoroundecanoic acid	ND		1.8	0.44
307-55-1	Perfluorododecanoic acid	ND		1.8	0.44
72629-94-8	Perfluorotridecanoic acid	ND		1.8	0.44
376-06-7	Perfluorotetradecanoic acid	ND		1.8	0.44
375-73-5	Perfluorobutanesulfonic acid	0.96	J	1.8	0.44
2706-91-4	Perfluoropentanesulfonic acid	ND		1.8	0.44
355-46-4	Perfluorohexanesulfonic acid	1.5	J	1.8	0.71
375-92-8	Perfluoroheptanesulfonic acid	ND		1.8	0.44
1763-23-1	Perfluorooctanesulfonic acid	3.1		1.8	0.44
68259-12-1	Perfluorononanesulfonic acid	ND		1.8	0.44
335-77-3	Perfluorodecanesulfonic acid	ND		1.8	0.44
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.53
757124-72-4	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		3.5	0.88
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		3.5	0.88
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		3.5	0.88
754-91-6	Perfluorooctanesulfonamide	ND		1.8	0.44
31506-32-8	NMeFOSA	ND		1.8	0.44
4151-50-2	N-ethylperfluoro-1-octanesulfonamide	ND		1.8	0.44
2355-31-9	NMeFOSAA	ND		1.8	0.44
2991-50-6	NEtFOSAA	ND		1.8	0.44

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: MW-26-021825
Lab Sample ID: 410-209941-7

Matrix: Water
Lab File ID: 25MAR06-42.d

Analysis Method: 1633
Date Collected: 02/18/2025 15:00

Extraction Method: 1633
Date Extracted: 03/06/2025 08:30

Sample wt/vol: 141.4(mL)
Date Analyzed: 03/07/2025 03:24

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613851
Units: ng/L

Preparation Batch No.: 613587
Instrument ID: 30729

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
24448-09-7	2-(N-methylperfluoro-1-octanesulfonamido) ethanol	ND		8.8	2.2
1691-99-2	2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	ND		8.8	2.2
13252-13-6	HFPO-DA	ND		1.8	0.66
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.44
377-73-1	Perfluoro-3-methoxypropanoic acid	ND		1.8	0.44
863090-89-5	Perfluoro(4-methoxybutanoic acid)	ND		1.8	0.44
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid	ND		1.8	0.44
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND	cn	1.8	0.44
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		1.8	0.44
113507-82-7	PFEESA	ND		1.8	0.44
356-02-5	3:3 FTCA	ND		3.5	0.88
914637-49-3	5:3 FTCA	ND		8.8	2.5
812-70-4	7:3 FTCA	ND		8.8	2.2

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: MW-26-021825
Lab Sample ID: 410-209941-7

Matrix: Water
Lab File ID: 25MAR06-42.d

Analysis Method: 1633
Date Collected: 02/18/2025 15:00

Extraction Method: 1633
Date Extracted: 03/06/2025 08:30

Sample wt/vol: 141.4(mL)
Date Analyzed: 03/07/2025 03:24

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613851
Units: ng/L

Preparation Batch No.: 613587
Instrument ID: 30729

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	90.0		5-130
STL01893	13C5 PFPeA	93.5		40-130
STL02577	13C5 PFHxA	85.7		40-130
STL01892	13C4 PFHpA	94.2		40-130
STL01052	13C8 PFOA	91.2		40-130
STL02578	13C9 PFNA	109		40-130
STL02579	13C6 PFDA	97.9		40-130
STL02580	13C7 PFUnA	138	*5+ cn	30-130
STL02116	13C2 PFTeDA	88.7		10-130
STL02337	13C3 PFBS	90.0		40-135
STL02581	13C3 PFHxS	92.4		40-130
STL01054	13C8 PFOS	85.8		40-130
STL01056	13C8 FOSA	87.5		40-130
STL02118	d3-NMeFOSAA	70.1		40-170
STL02117	d5-NEtFOSAA	76.4		25-135
STL02395	M2-4:2 FTS	88.6		40-200
STL02279	M2-6:2 FTS	91.2		40-200
STL02280	M2-8:2 FTS	91.7		40-300
STL02255	13C3 HFPO-DA	98.5		40-130
STL02277	d7-N-MeFOSE-M	63.2		10-130
STL02278	d9-N-EtFOSE-M	62.2		10-130
STL02704	d5-NEtPFOSA	43.8		10-130
STL02705	d3-NMePFOSA	43.4		10-130
STL00998	13C2 PFDoA	115	cn	10-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR06-42.d
Lims ID: 410-209941-A-7-C
Client ID: MW-26-021825
Sample Type: Client
Inject. Date: 07-Mar-2025 03:24:13 ALS Bottle#: 34 Worklist Smp#: 38
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: 410-209941-A-7-C
Misc. Info.: Plate: 1 Rack: 1 410-0140106-038
Operator ID: ETUS023_USR_INS00054 Instrument ID: 30729

Method: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\30729_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 10-Mar-2025 15:13:58 Calib Date: 03-Mar-2025 20:03:32
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-08.d

Column 1 : Det: EXP1
Process Host: CTX1629

First Level Reviewer: RPU6 Date: 10-Mar-2025 15:09:49
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 3 13C4-PFBA										
216.80 > 171.90	4.422	4.450	-0.028	1.000	594891	1.80		90.0	14910	
* 4 13C3PFBA										
216.00 > 172.00	4.422	4.459	-0.037		747717	2.00			171	
D 9 13C5 PFPeA										
268.30 > 223.00	5.108	5.142	-0.034	0.906	543506	1.87		93.5	28587	
10 PFPA										
263.00 > 219.00	5.120	5.142	-0.022	1.002	20411	0.0375			635	
D 12 13C2-4:2FTS										
329.10 > 80.90	5.445	5.479	-0.034	0.807	298174	4.16		88.6	8627	
D 16 13C5 PFHxA										
318.00 > 273.00	5.641	5.676	-0.035	1.000	810028	1.71		85.7	45204	
* 17 13C2 PFHxA										
315.10 > 270.00	5.641	5.676	-0.035		2033190	5.00			113948	
21 PFBS										
298.70 > 79.90	5.763	5.818	-0.055	0.998	8841	0.0270	Target=2.85		353	
298.70 > 98.80	5.776	5.818	-0.042	1.000	4356		2.03(1.43-4.28)		172	
D 19 13C3 PFBS										
302.10 > 79.90	5.776	5.818	-0.042	0.856	893254	1.68		90.0	37050	
D 23 13C3 HFPO-DA										
286.90 > 168.90	5.832	5.873	-0.041	1.034	910153	1.97		98.5	46739	
D 27 13C4 PFHpA										
367.10 > 322.00	6.096	6.135	-0.039	1.081	857843	1.88		94.2	46138	
28 PFHpA										M
363.10 > 319.00	6.083	6.135	-0.052	0.998	18703	0.0282	Target=2.23		346	M
363.10 > 169.00	6.083	6.135	-0.052	0.998	7552		2.48(1.12-3.35)		199	M
D 31 13C2-6:2FTS										
429.10 > 80.90	6.298	6.349	-0.051	0.933	307409	4.34		91.2	19806	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 34 13C8 PFOA										
421.10 > 376.00	6.516	6.565	-0.049	1.000	916184	1.82		91.2	46169	
* 40 13C4 PFOA										
417.10 > 372.00	6.516	6.565	-0.049		2606748	5.00			87220	
35 PFOA										
413.00 > 369.00	6.516	6.575	-0.059	1.000	64762	0.1891	Target=1.69		239	
413.00 > 169.00	6.516	6.575	-0.059	1.000	43321		1.49(0.85-2.54)		178	
* 38 18O2 PFHxS										
403.00 > 83.90	6.748	6.807	-0.059		820128	1.89			44862	
D 37 13C3 PFHxS										
402.10 > 79.90	6.748	6.807	-0.059	1.000	743702	1.75		92.4	31016	
39 PFHxS										
398.70 > 79.90	6.748	6.819	-0.070	1.000	10911	0.0414	Target=3.39		55.9	
398.70 > 98.90	6.748	6.819	-0.070	1.000	4511		2.42(1.70-5.09)		21.3	
D 41 13C9 PFNA										
472.10 > 427.00	6.926	6.999	-0.073	1.000	750300	2.18		109	33204	
* 42 13C5 PFNA										
468.00 > 423.00	6.926	6.999	-0.073		701427	2.00			41379	
43 PFNA										
463.00 > 419.00	6.830	6.999	-0.169	0.986	48041	0.1386	Target=2.10		277	
463.00 > 219.00	6.830	6.999	-0.169	0.986	16310		2.95(1.05-3.15)		86.5	
D 45 13C2-8:2FTS										
529.10 > 80.90	7.120	7.191	-0.071	1.055	334632	4.40		91.7	19964	
D 49 d3-NMeFOSAA										
573.20 > 419.00	7.276	7.357	-0.081	0.954	455205	3.51		70.1	24662	
* 51 13C2 PFDA										
515.10 > 470.10	7.358	7.426	-0.068		724040	2.00			39109	
D 52 13C6 PFDA										
519.10 > 474.10	7.358	7.426	-0.068	1.000	729050	1.96		97.9	28911	
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.468	7.536	-0.068	0.979	434428	3.82		76.4	23076	
* 57 13C4 PFOS										
502.80 > 79.90	7.627	7.714	-0.087		961891	1.91			40876	
D 56 13C8 PFOS										
507.10 > 79.90	7.627	7.714	-0.087	1.000	757056	1.64		86.0	25131	
58 PFOS										
498.90 > 79.90	7.639	7.714	-0.075	1.002	56603	0.0879	Target=4.52		10108	
498.90 > 98.80	7.627	7.714	-0.087	1.000	12646		4.48(2.26-6.78)		28.0	
D 59 13C7 PFUnA										
570.00 > 525.10	7.782	7.856	-0.074	1.058	817415	2.77		138	51356	
D 63 PFDoA										
615.10 > 570.00	8.165	8.254	-0.089	1.110	496862	2.30		115	30667	
D 66 13C8 FOSA										
506.10 > 77.80	8.351	8.382	-0.031	1.095	1337544	1.75		87.5	39930	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.851	8.955	-0.104	1.203	342504	1.77		88.7	17621	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.139	9.146	-0.007	1.198	405001	3.16		63.2	6786	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.233	9.241	-0.008	1.211	205688	0.8688		43.4	7144	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.324	9.330	-0.006	1.222	486170	3.11		62.2	8285	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.395	9.401	-0.006	1.232	230604	0.8764		43.8	15340	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_IS_V_00235 Amount Added: 50.00 Units: uL

Report Date: 10-Mar-2025 15:15:02 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR06-42.d

Injection Date: 07-Mar-2025 03:24:13 Instrument ID: 30729

Lims ID: 410-209941-A-7-C Lab Sample ID: 410-209941-7

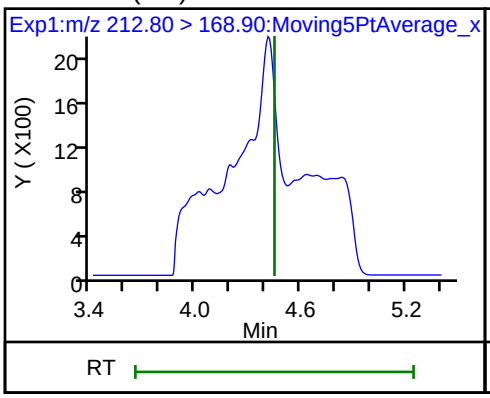
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Operator ID: ETUS023_USR_INS00054 ALS Bottle#: 34 Worklist Smp#: 38

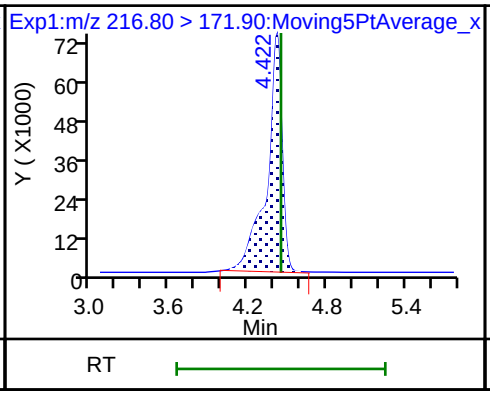
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 30729_1633Final Limit Group: LC - 1633 LVI- ICAL

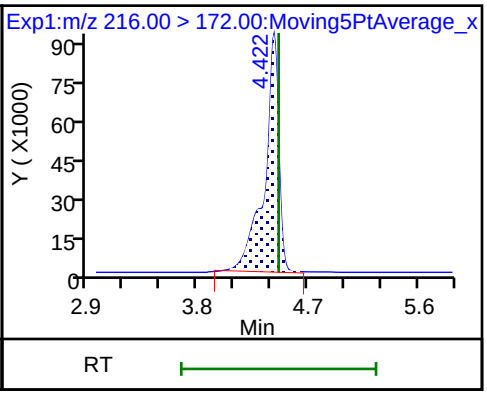
5 PFBA (ND)



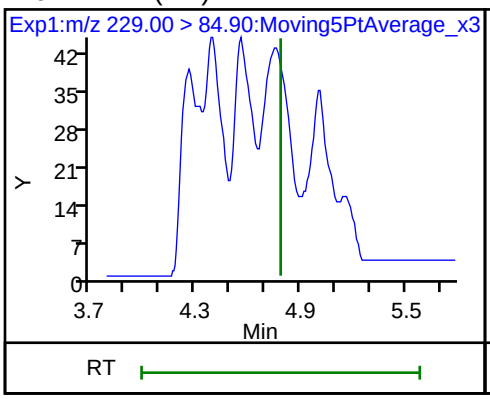
D 3 13C4-PFBA



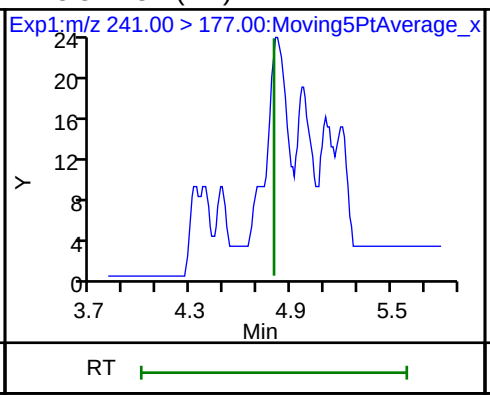
* 4 13C3PFBA



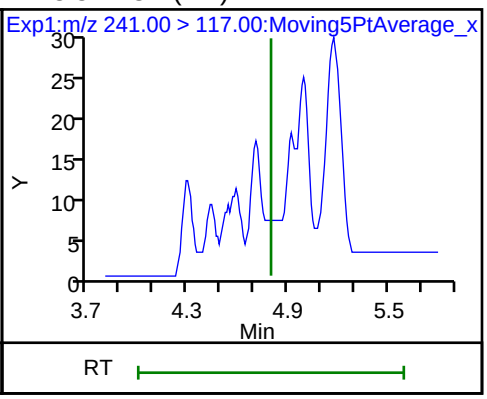
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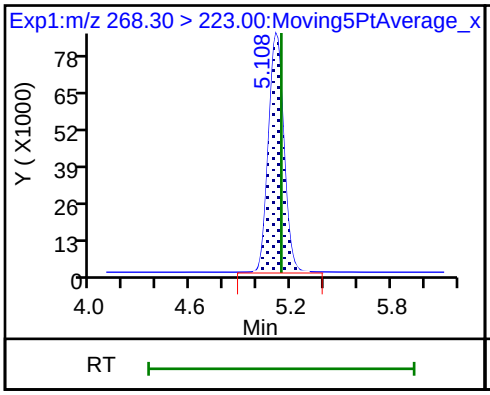
7 3:3 FTCA (ND)



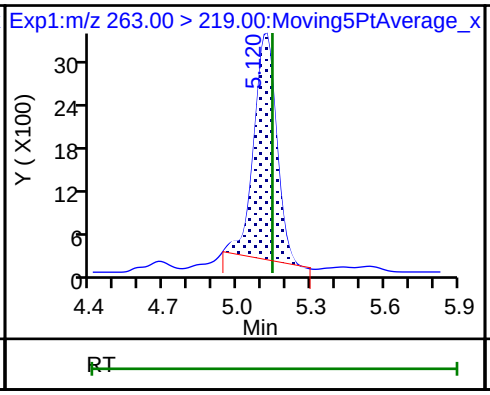
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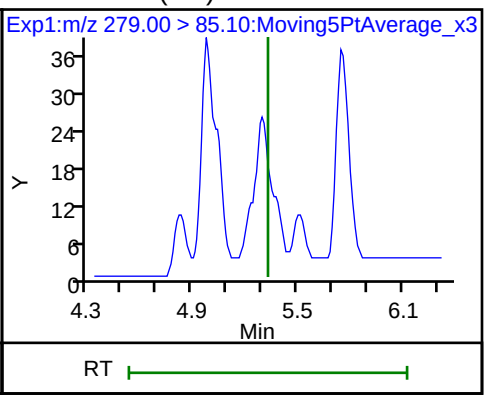
D 9 13C5 PFPeA



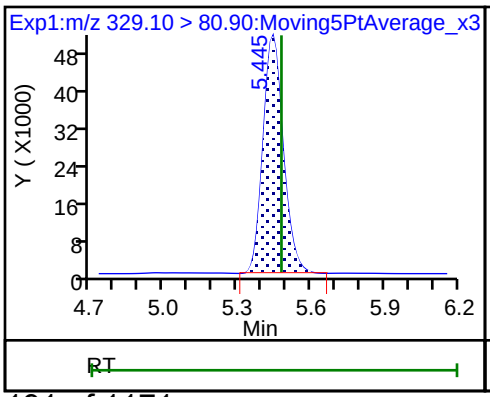
10 PFPA



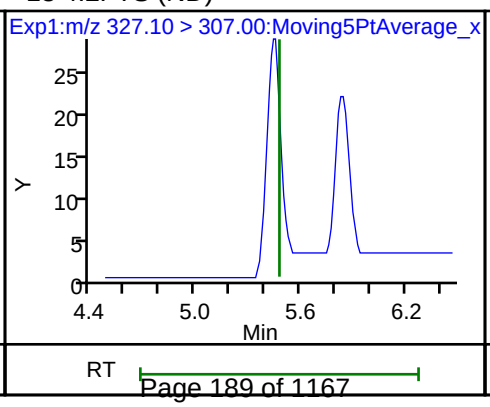
11 PFMBA (ND)



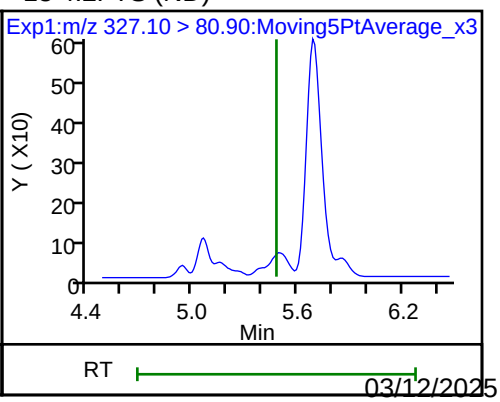
D 12 13C2-4:2FTS



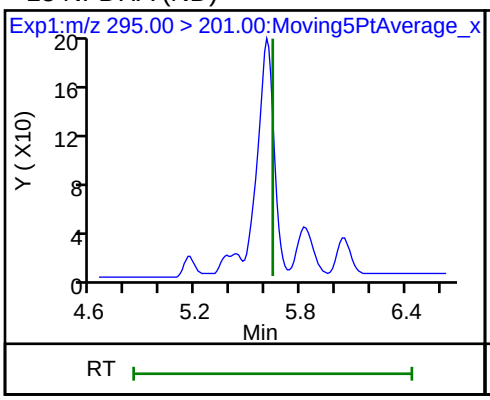
13 4:2FTS (ND)



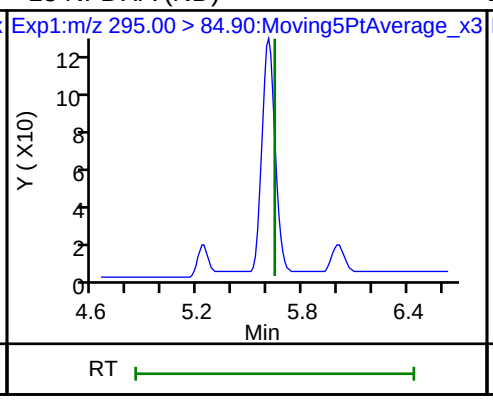
13 4:2FTS (ND)



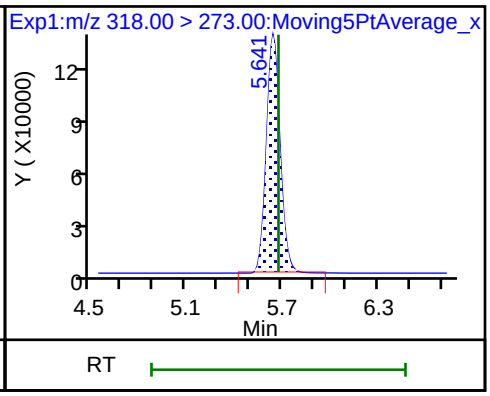
15 NFDHA (ND)



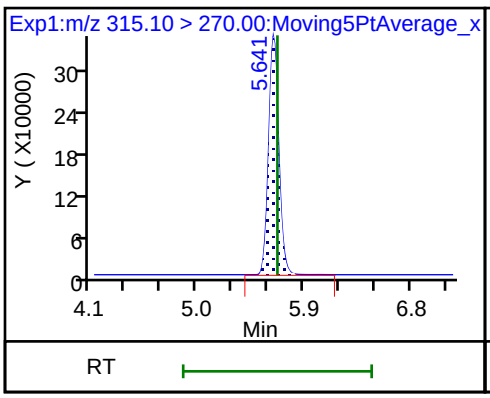
15 NFDHA (ND)



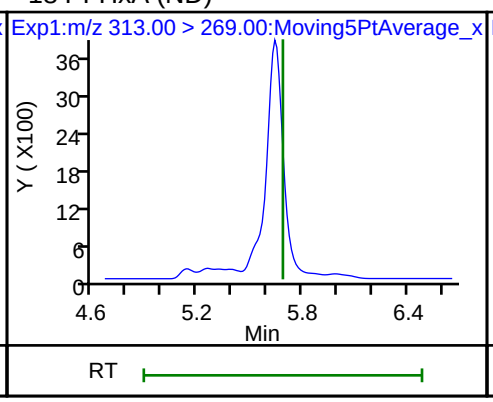
D 16 13C5 PFHxA



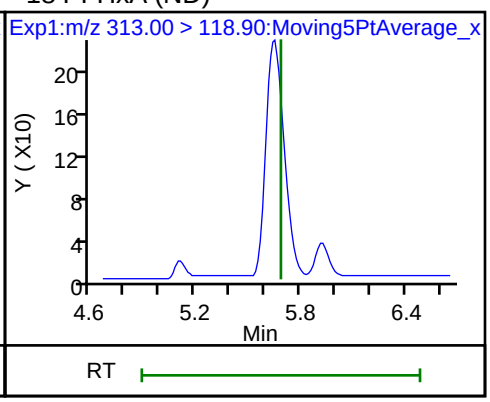
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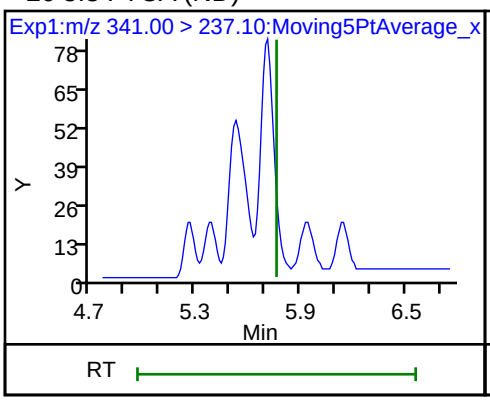
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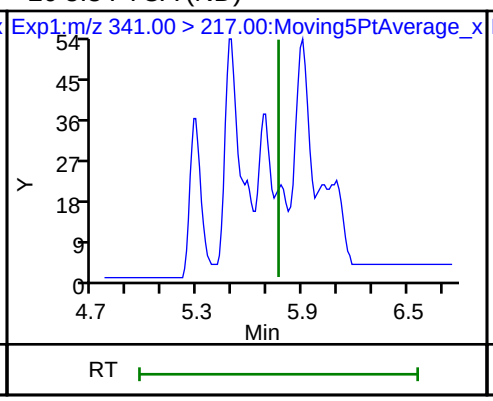
18 PFHxA (ND)



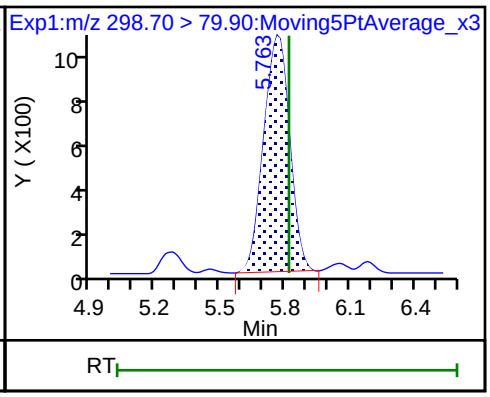
20 5:3 FTCA (ND)



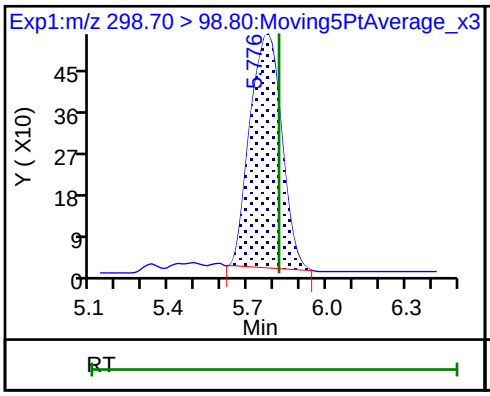
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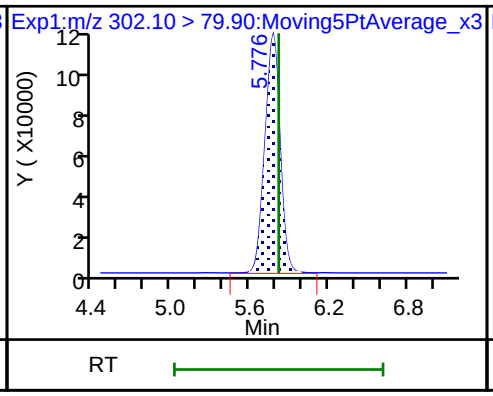
21 PFBS



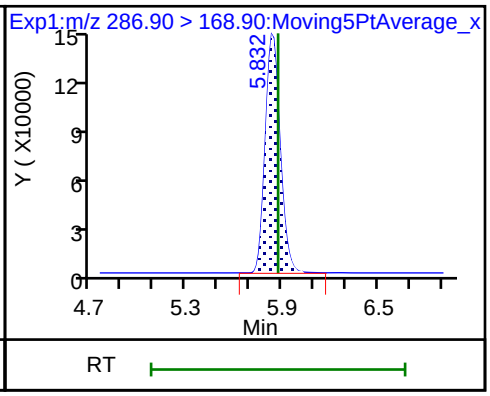
21 PFBS



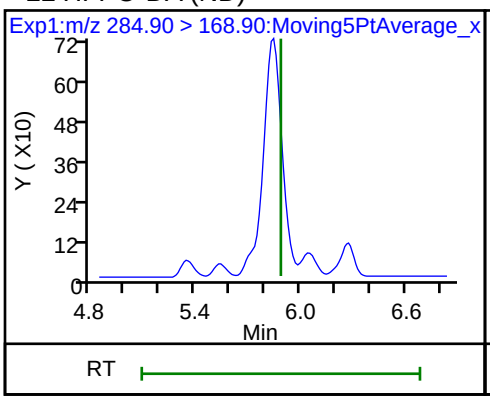
D 19 13C3 PFBS



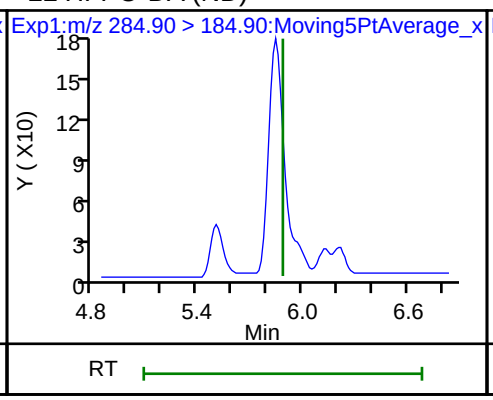
D 23 13C3 HFPO-DA



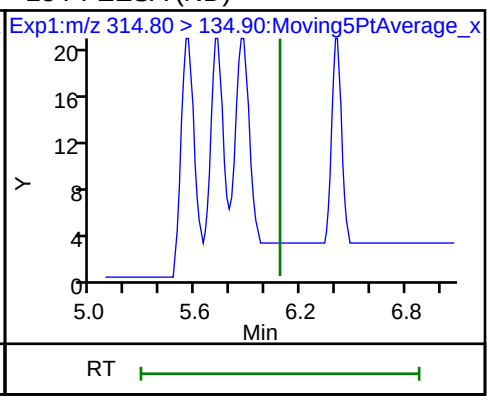
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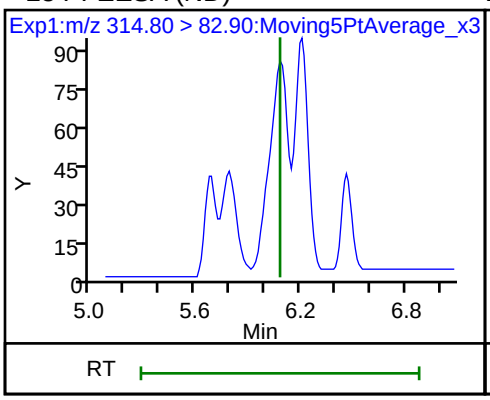
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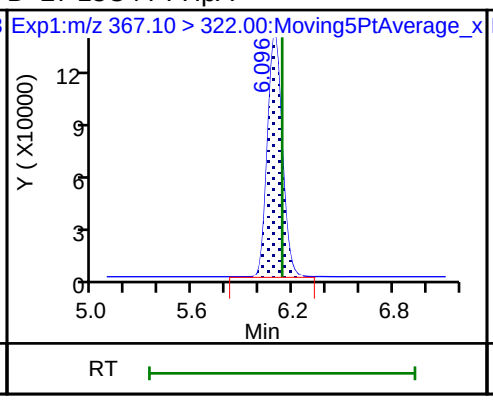
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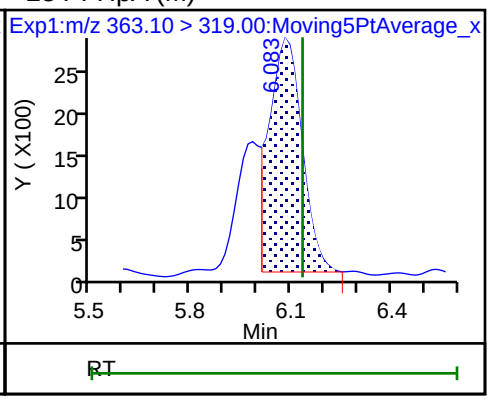
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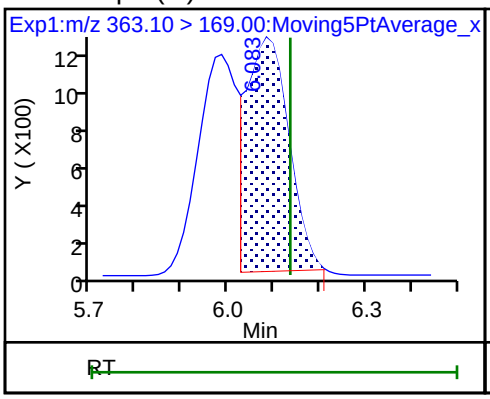
D 27 13C4 PFHpA



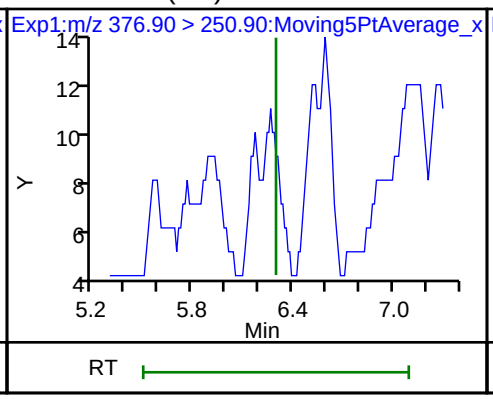
28 PFHpA (M)



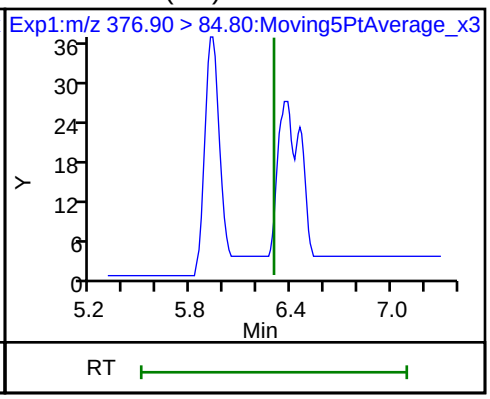
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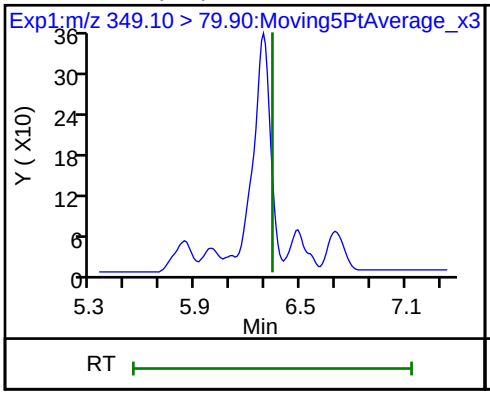
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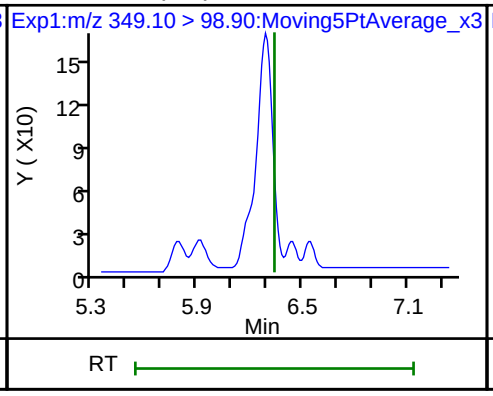
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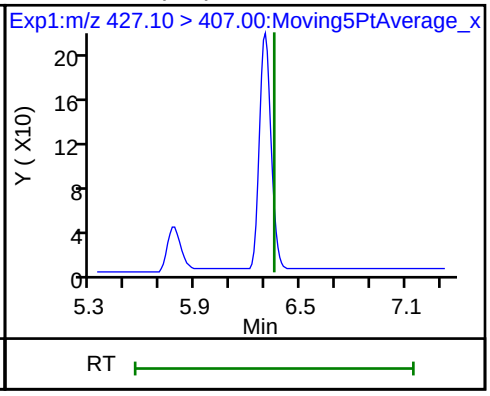
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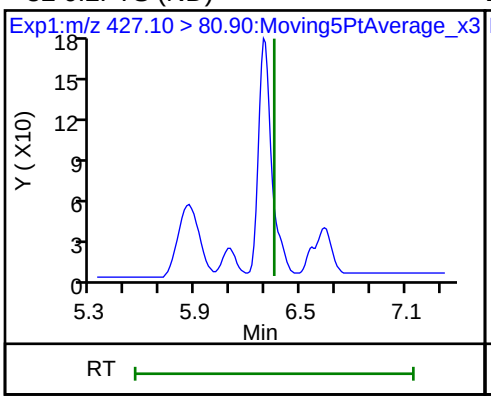
30 PFPeS (ND)



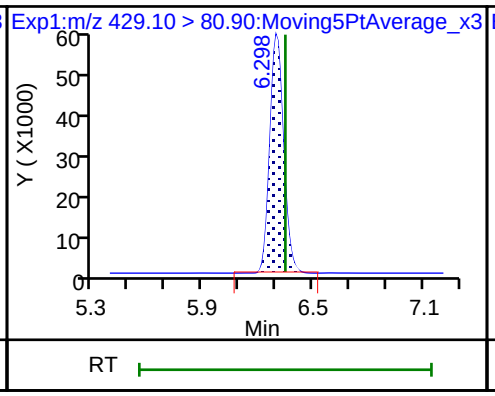
32 6:2FTS (ND)



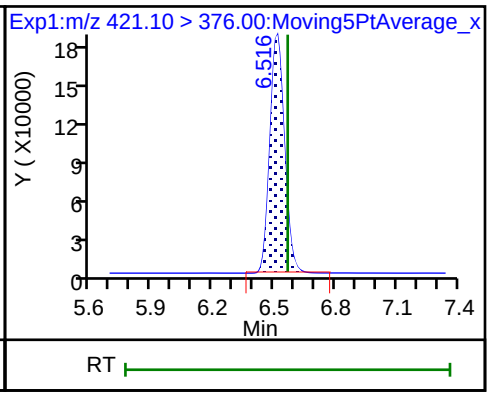
32 6:2FTS (ND)



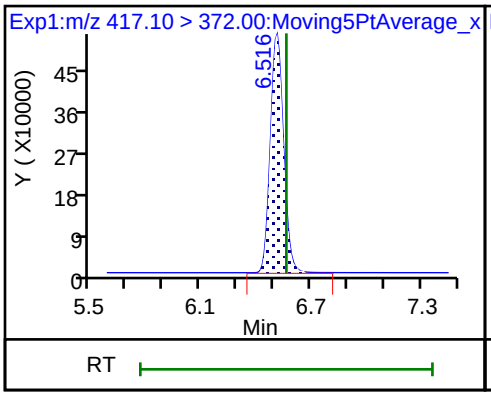
D 31 13C2-6:2FTS



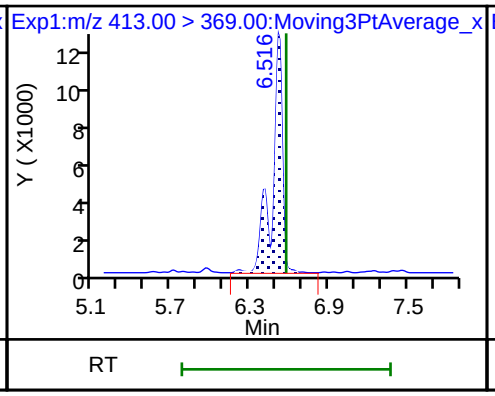
D 34 13C8 PFOA



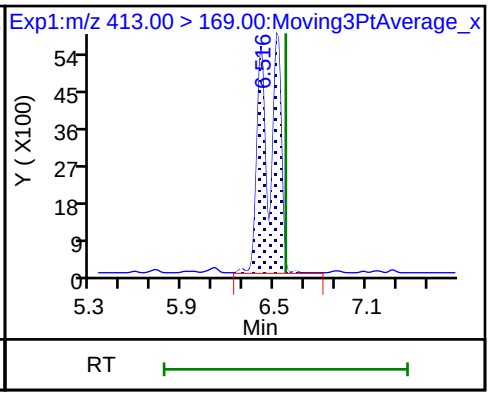
* 40 13C4 PFOA



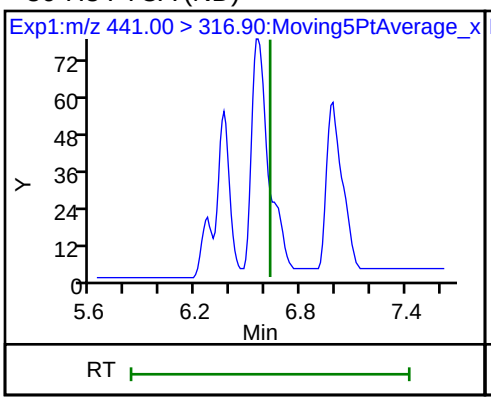
35 PFOA



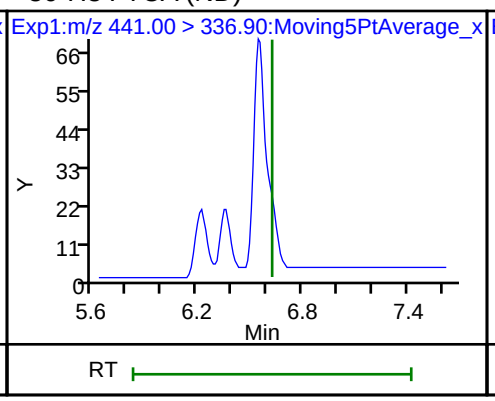
35 PFOA



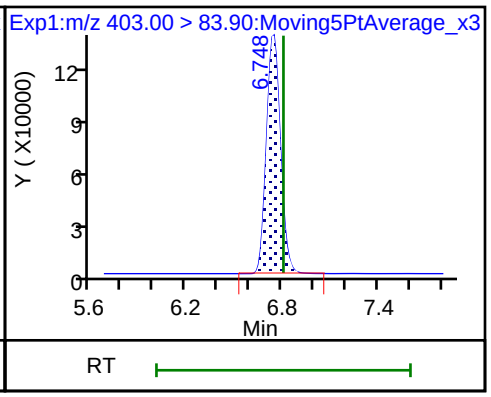
36 7:3 FTCA (ND)



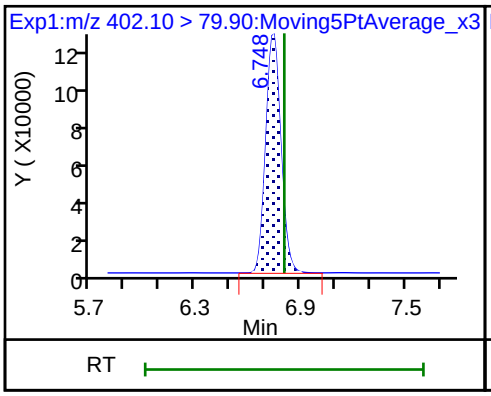
36 7:3 FTCA (ND)



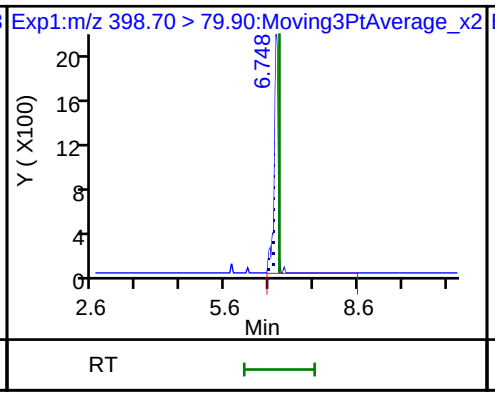
* 38 18O2 PFHxS



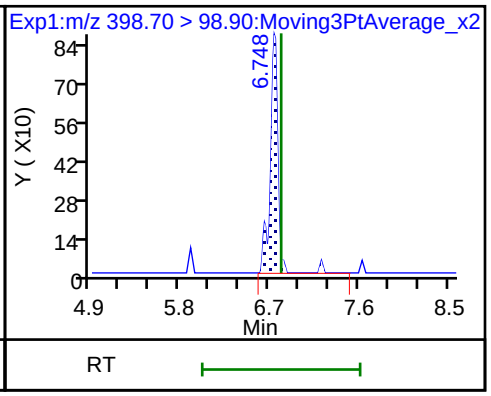
D 37 13C3 PFHxS



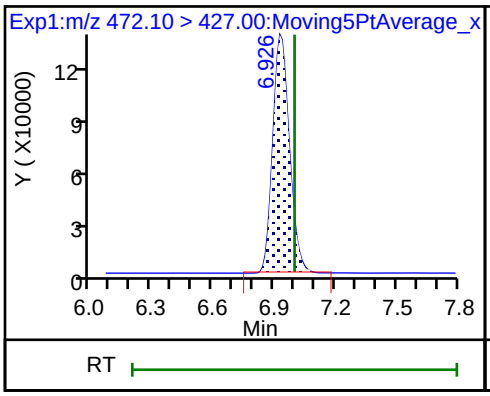
39 PFHxS



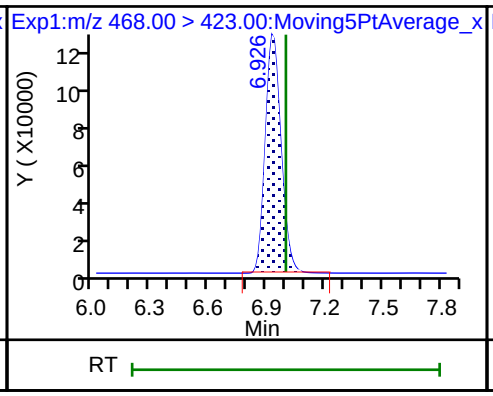
39 PFHxS



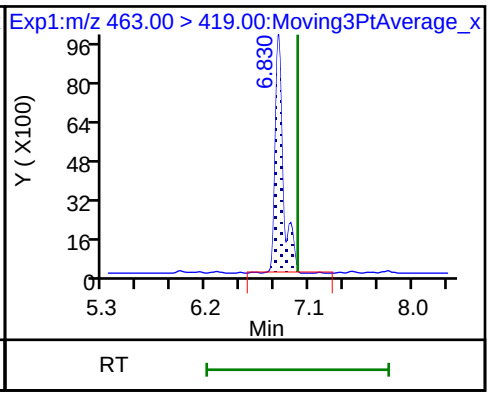
D 41 13C9 PFNA



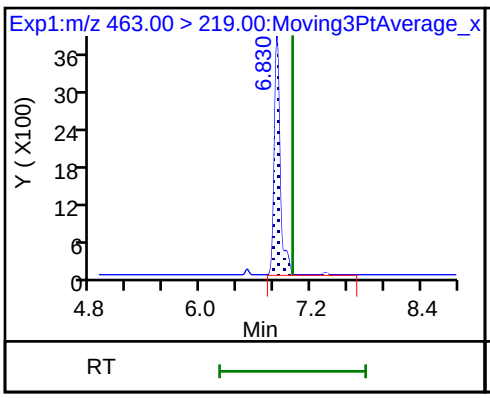
* 42 13C5 PFNA



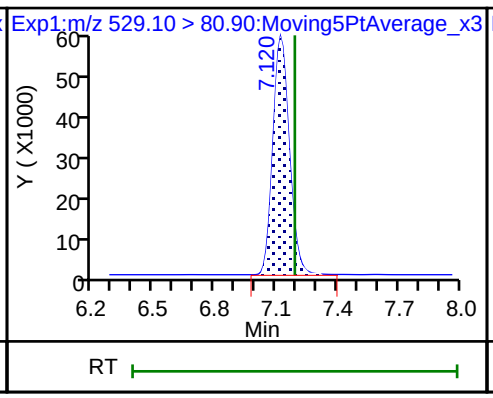
43 PFNA



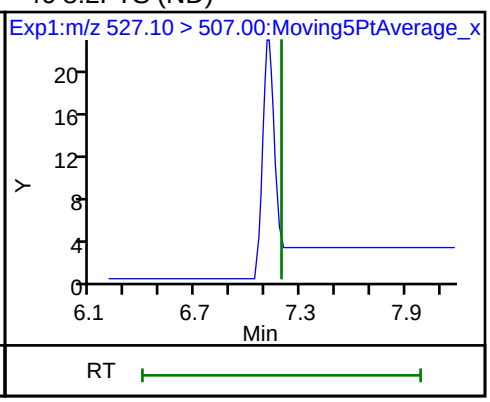
43 PFNA



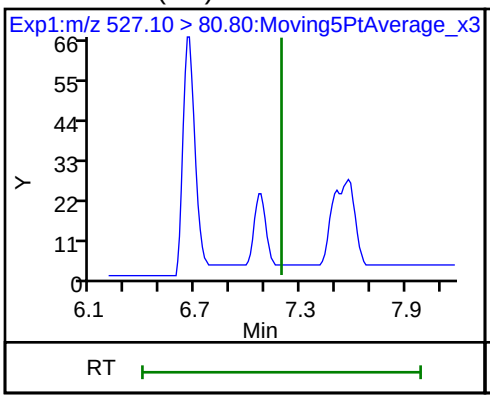
D 45 13C2-8:2FTS



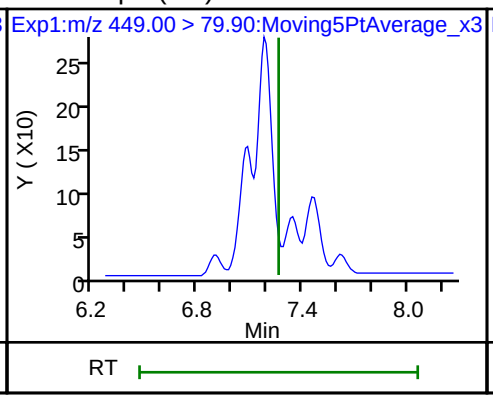
46 8:2FTS (ND)



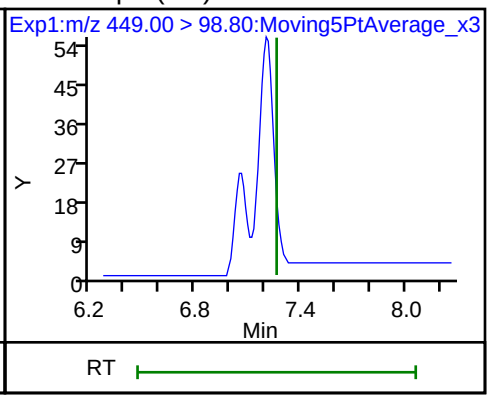
46 8:2FTS (ND)



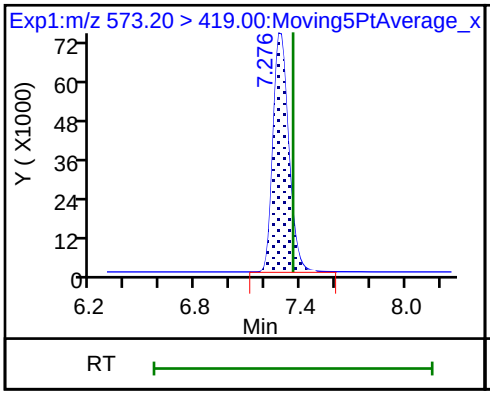
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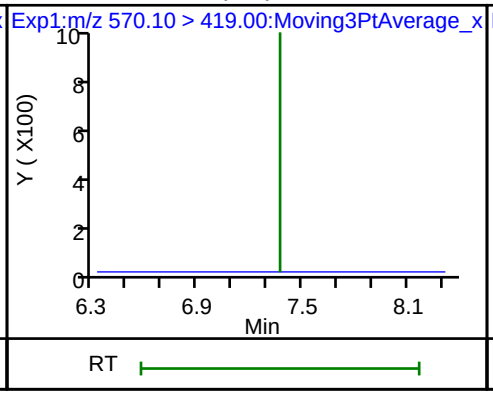
47 PFHpS (ND)



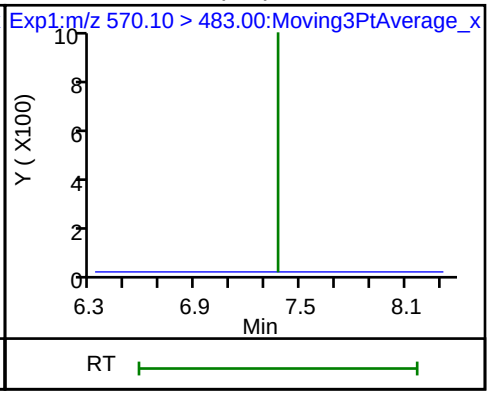
D 49 d3-NMeFOSAA



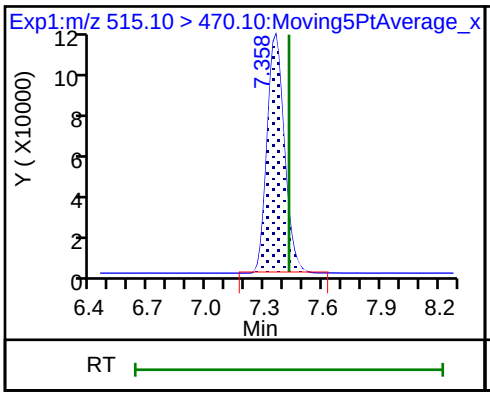
50 NMeFOSAA (ND)



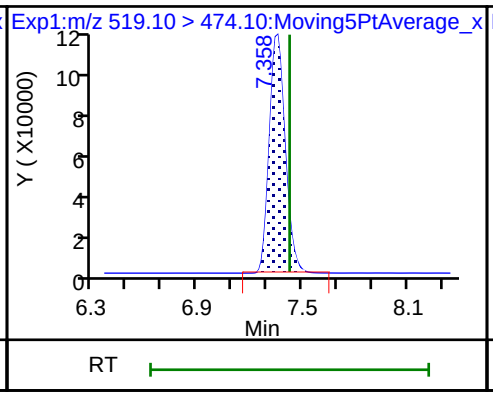
50 NMeFOSAA (ND)



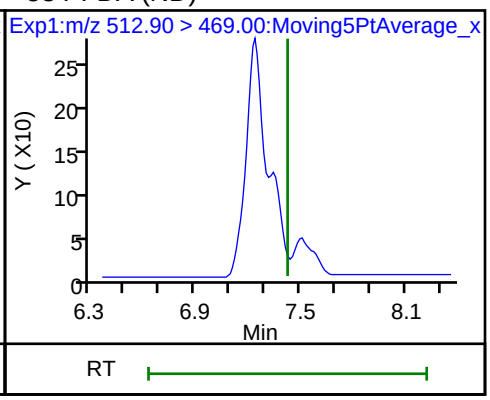
* 51 13C2 PFDA



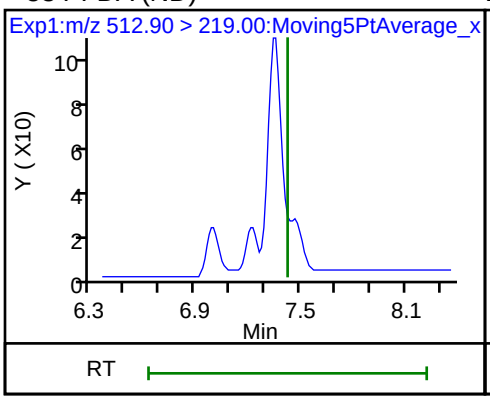
D 52 13C6 PFDA



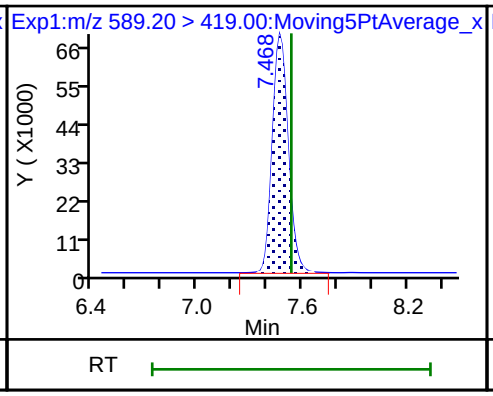
53 PFDA (ND)



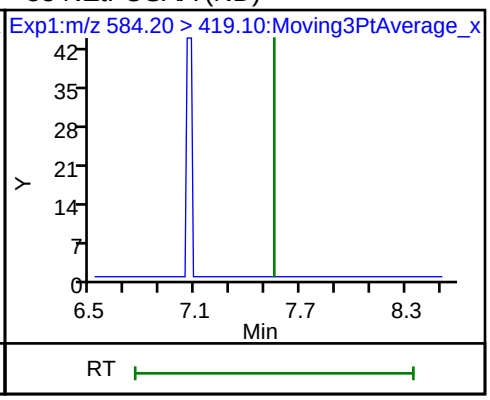
53 PFDA (ND)



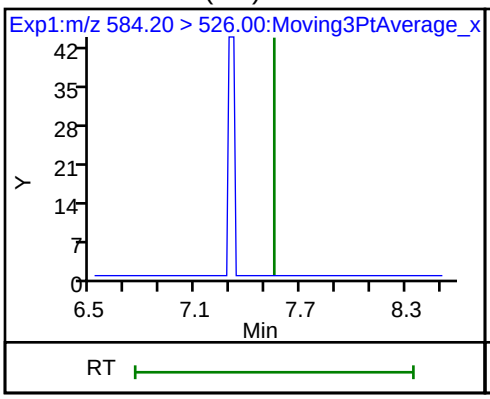
D 54 d5-NEtFOSAA



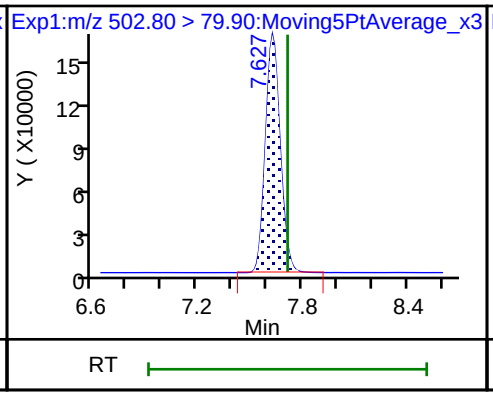
55 NEtFOSAA (ND)



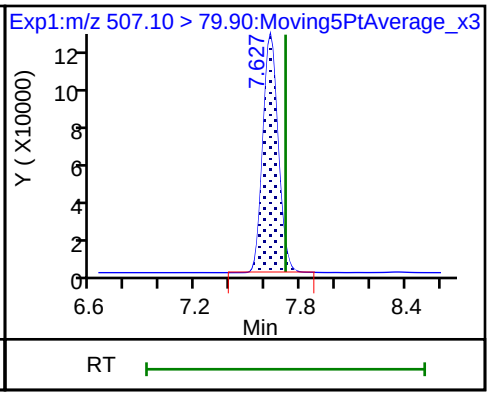
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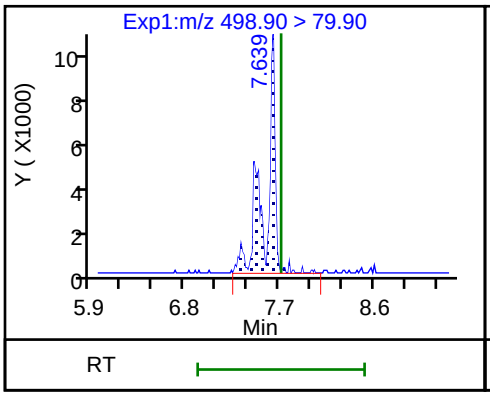
* 57 13C4 PFOS



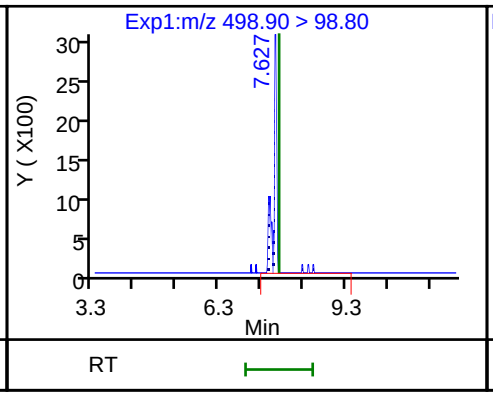
D 56 13C8 PFOS



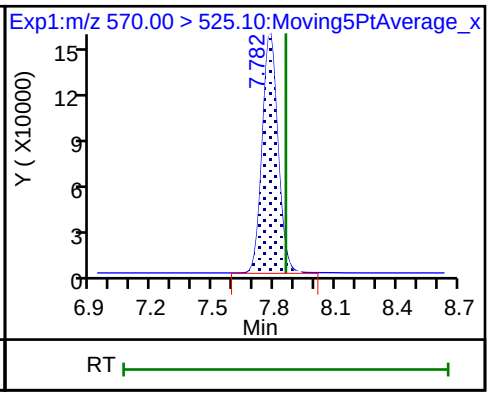
58 PFOS



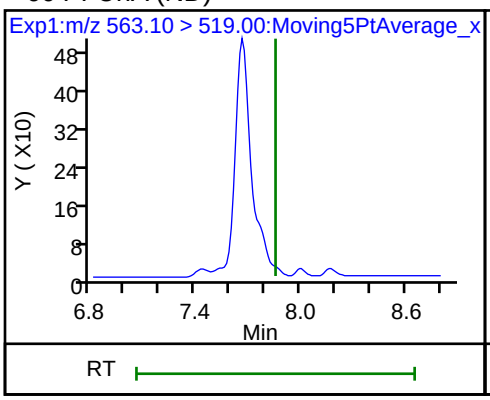
58 PFOS



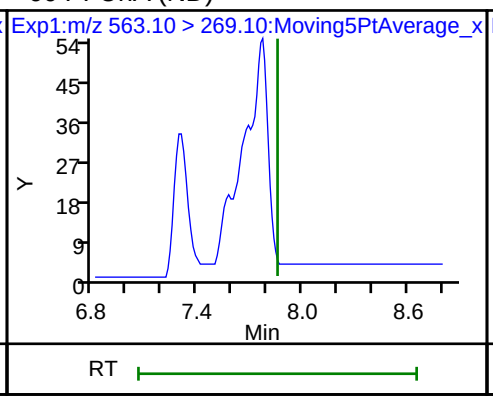
D 59 13C7 PFUnA



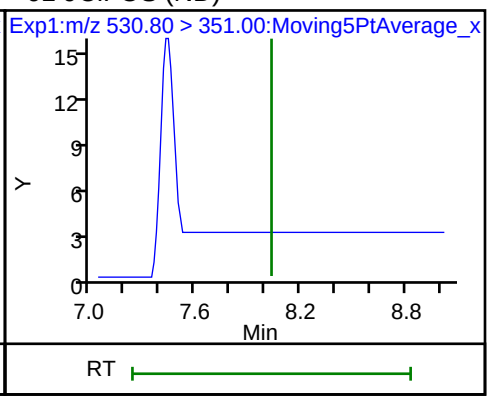
60 PFUnA (ND)



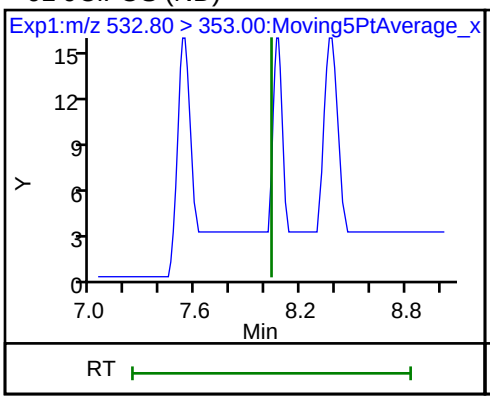
60 PFUnA (ND)



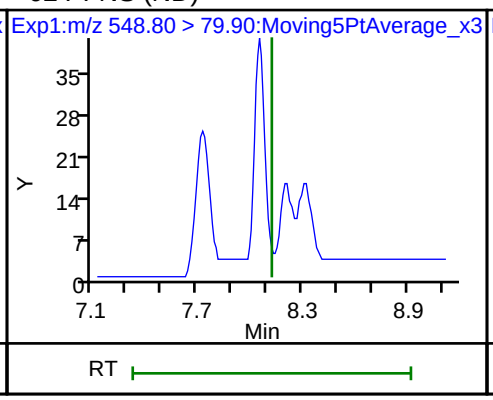
61 9ClFOS (ND)



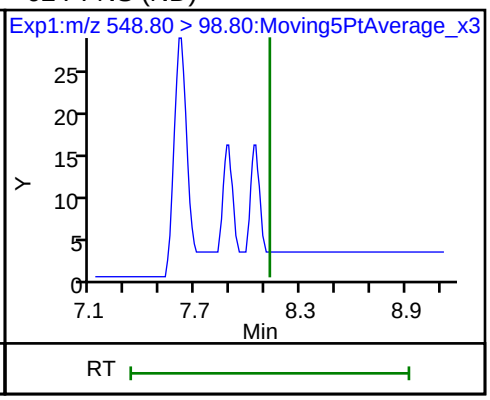
61 9ClFOS (ND)



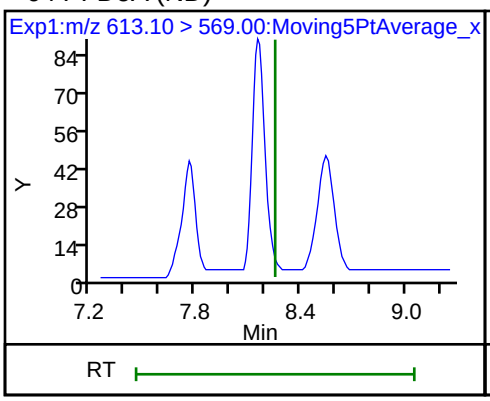
62 PFNS (ND)



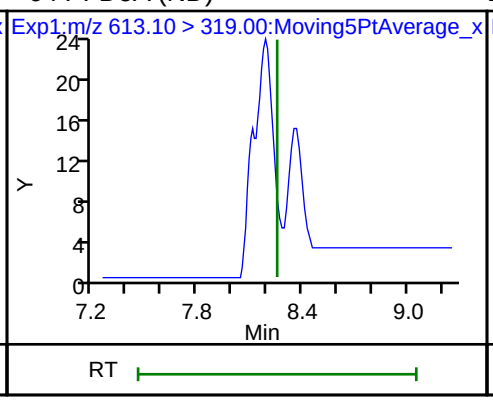
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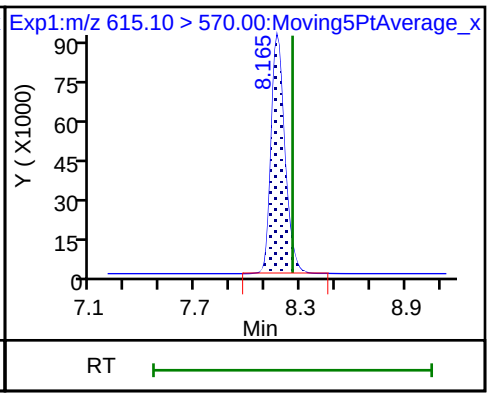
64 PFDoA (ND)



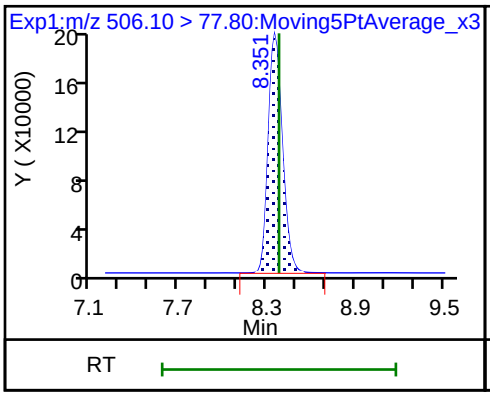
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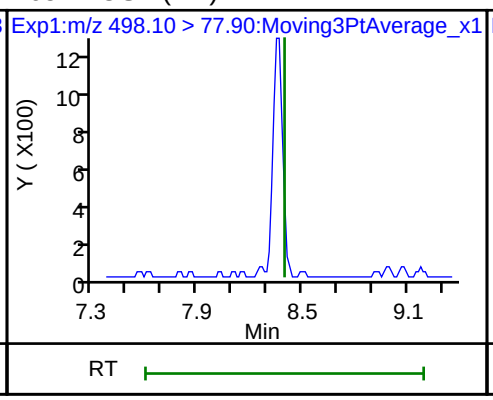
D 63 PFDoA



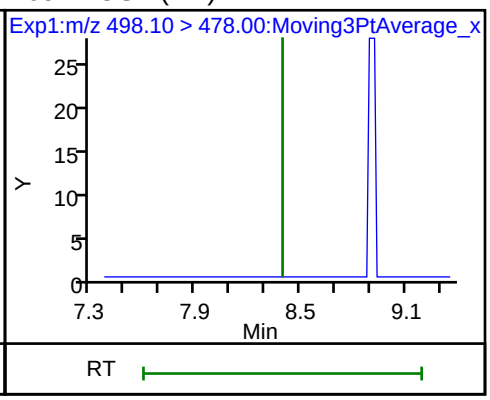
D 66 13C8 FOSA



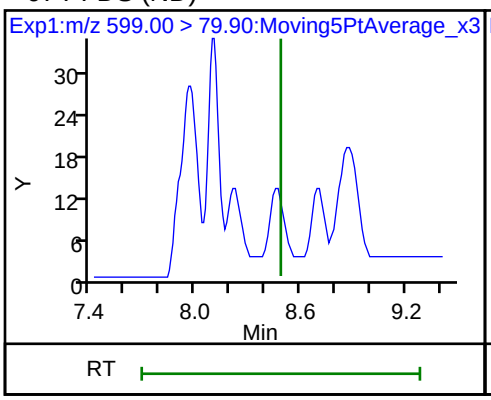
65 PFOSA (ND)



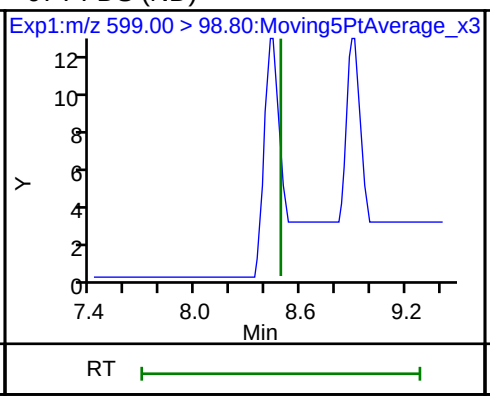
65 PFOSA (ND)



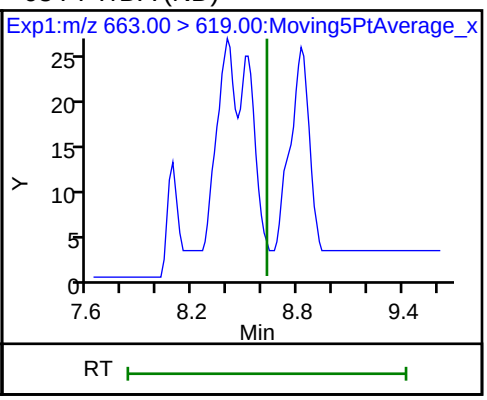
67 PFDS (ND)



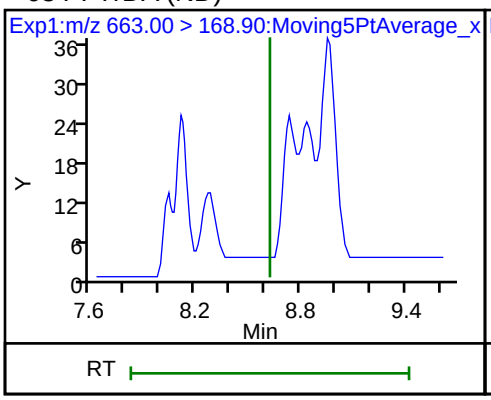
67 PFDS (ND)



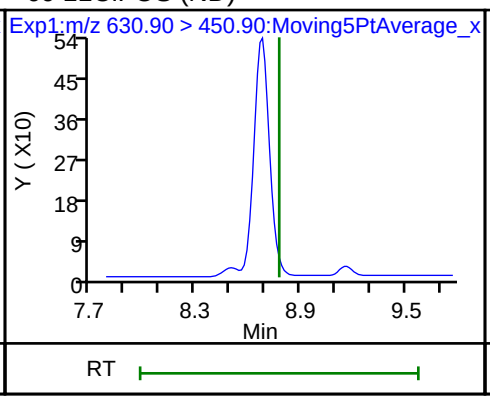
68 PFTrDA (ND)



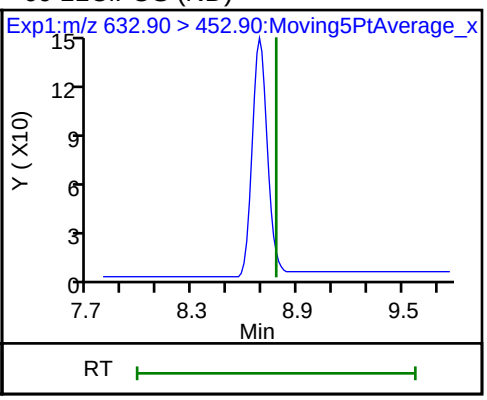
68 PFTrDA (ND)



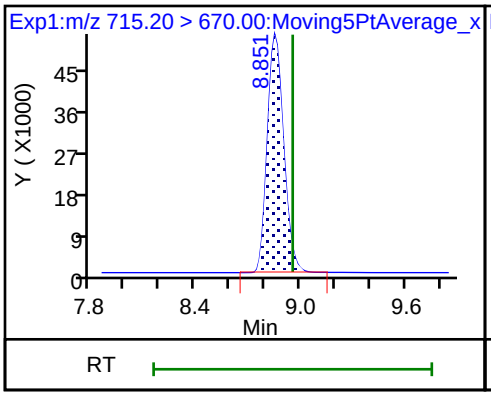
69 11ClFOS (ND)



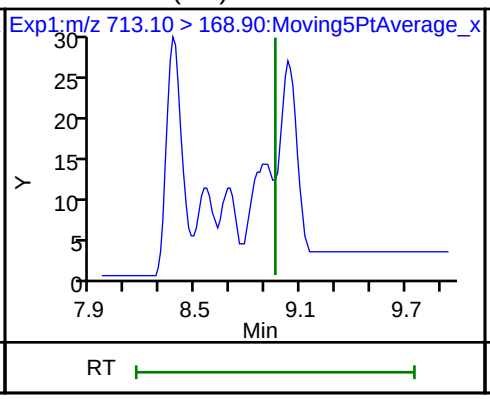
69 11ClFOS (ND)



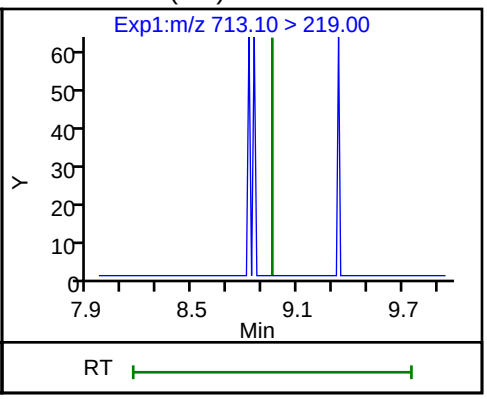
D 70 13C2 PFTeDA



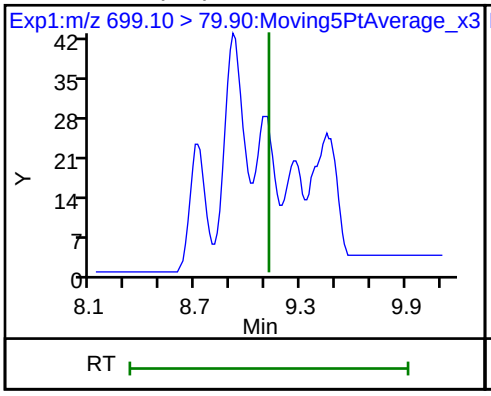
71 PFTeDA (ND)



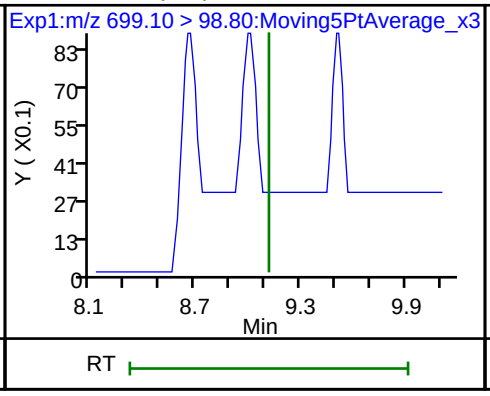
71 PFTeDA (ND)



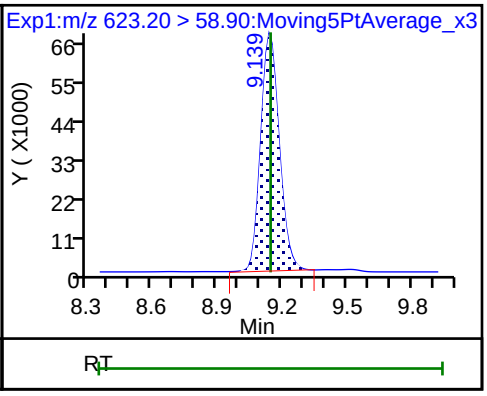
72 PFDoS (ND)



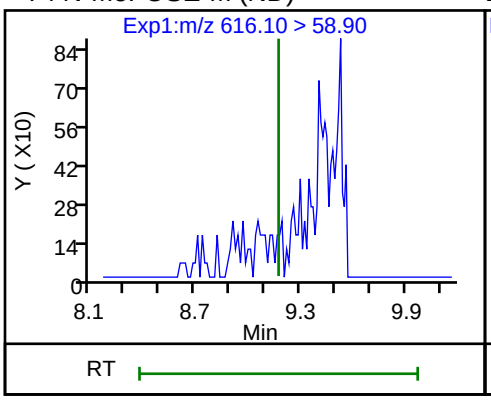
72 PFDoS (ND)



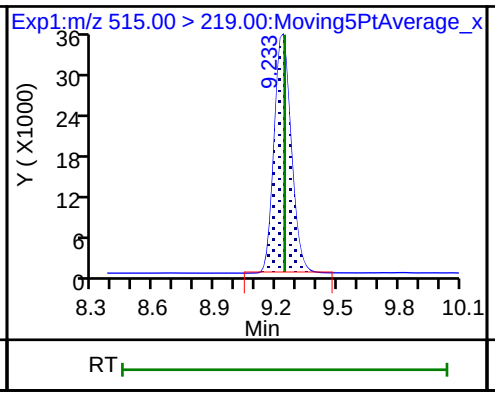
D 73 d7-N-Me-FOSE



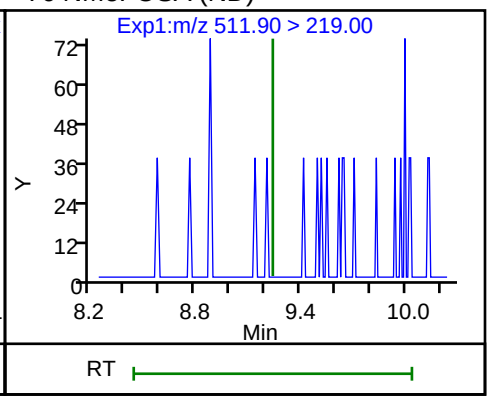
74 N-MeFOSE-M (ND)



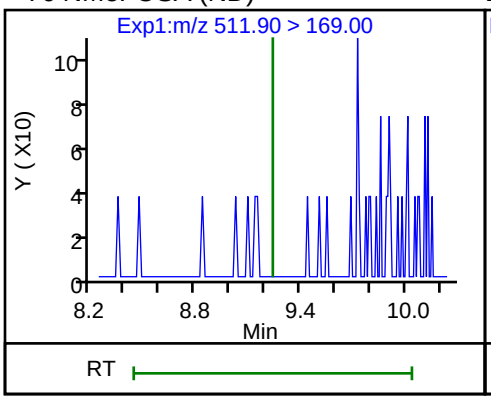
D 75 d3-NMePFOSA



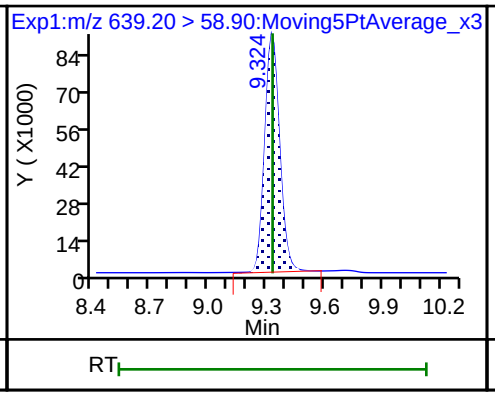
76 NMeFOSA (ND)



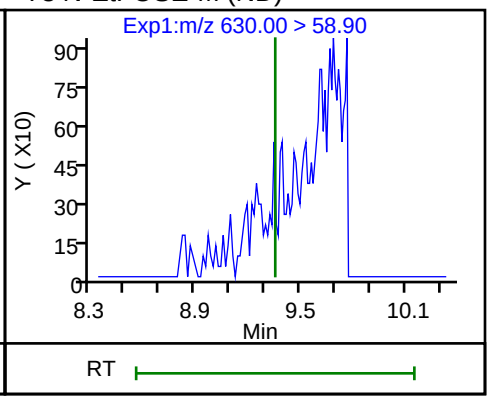
76 NMeFOSA (ND)



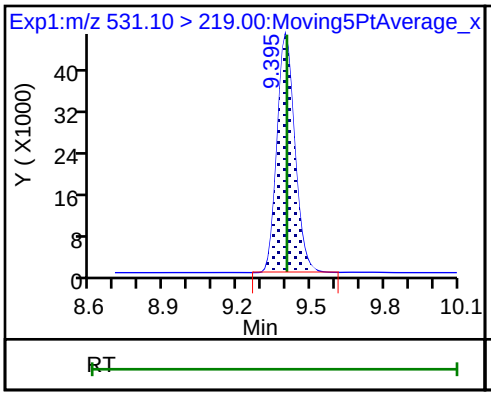
D 77 d9-N-EtFOSE



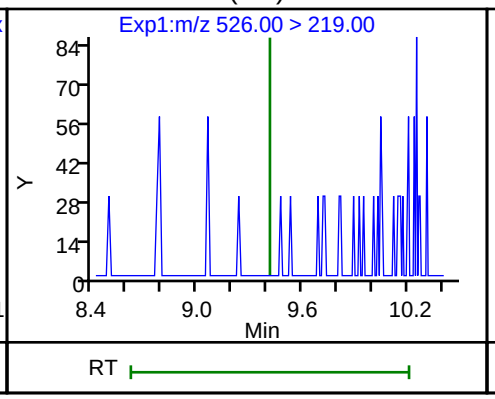
78 N-EtFOSE-M (ND)



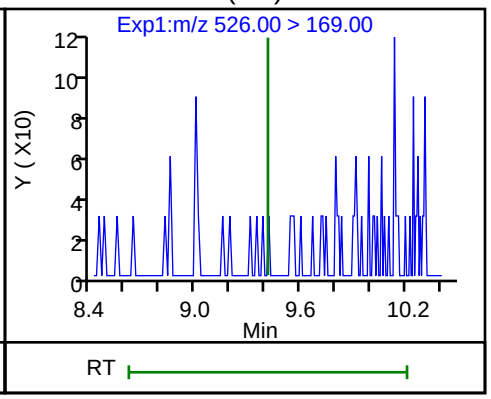
D 79 d5-NEtPFOSA



80 N-EtFOSA-M (ND)



80 N-EtFOSA-M (ND)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

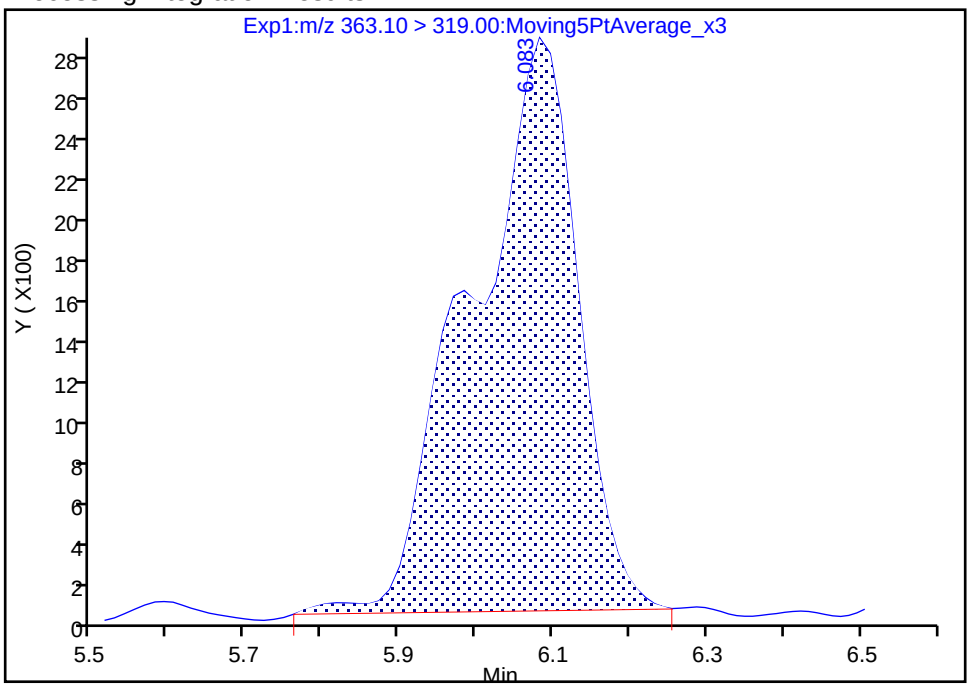
Data File:	\\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR06-42.d				
Injection Date:	07-Mar-2025 03:24:13	Instrument ID:	30729		
Lims ID:	410-209941-A-7-C	Lab Sample ID:	410-209941-7		
Client ID:	MW-26-021825				
Operator ID:	ETUS023_USR_INS00054	ALS Bottle#:	34	Worklist Smp#:	38
Injection Vol:	7.0 ul	Dil. Factor:	1.0000		
Method:	30729_1633Final	Limit Group:	LC - 1633 LVI- ICAL		
Column:		Detector	EXP1		

28 PFHpA, CAS: 375-85-9

Signal: 1

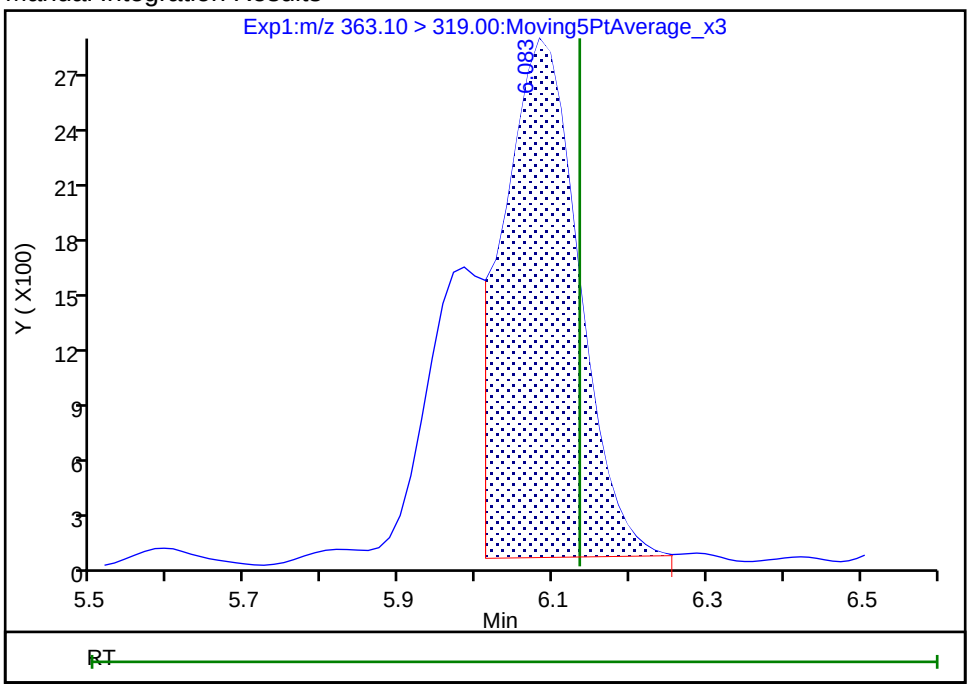
Processing Integration Results

RT: 6.08
Area: 26714
Amount: 0.048985
Amount Units: ng/ml



Manual Integration Results

RT: 6.08
Area: 18703
Amount: 0.028155
Amount Units: ng/ml



Reviewer: RPU6, 10-Mar-2025 15:09:34 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

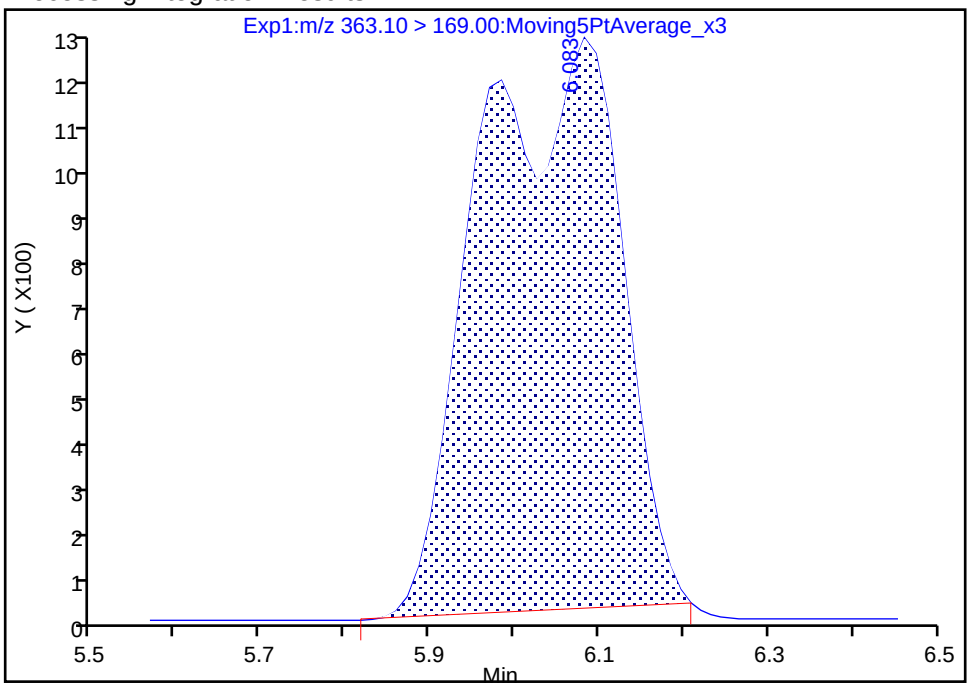
Data File:	\\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR06-42.d				
Injection Date:	07-Mar-2025 03:24:13	Instrument ID:	30729		
Lims ID:	410-209941-A-7-C	Lab Sample ID:	410-209941-7		
Client ID:	MW-26-021825				
Operator ID:	ETUS023_USR_INS00054	ALS Bottle#:	34	Worklist Smp#:	38
Injection Vol:	7.0 ul	Dil. Factor:	1.0000		
Method:	30729_1633Final	Limit Group:	LC - 1633 LVI- ICAL		
Column:		Detector	EXP1		

28 PFHpA, CAS: 375-85-9

Signal: 2

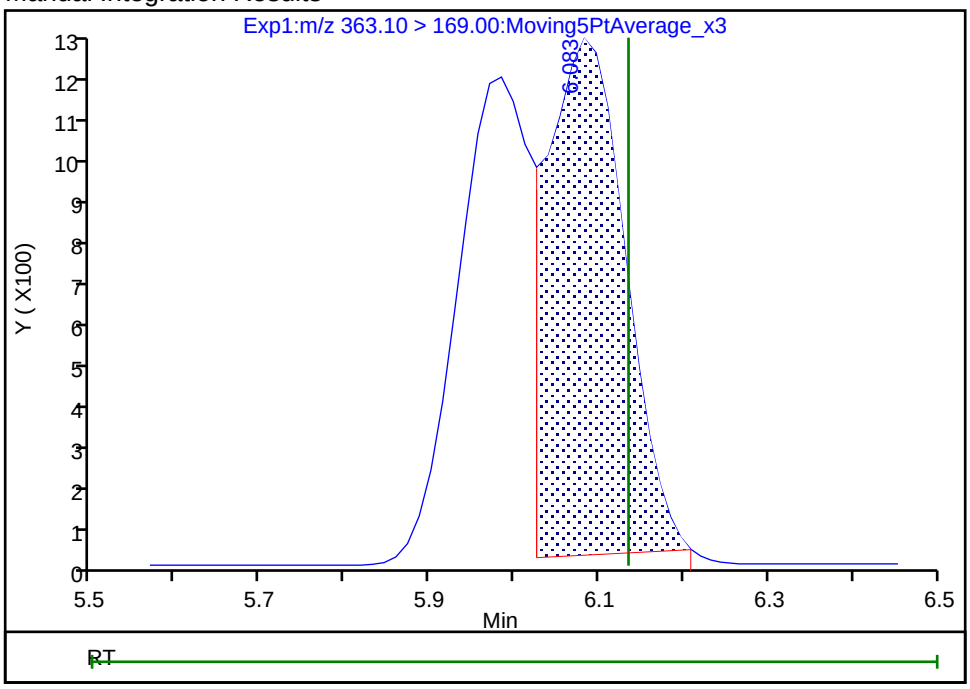
Processing Integration Results

RT: 6.08
Area: 14023
Amount: 0.048985
Amount Units: ng/ml



Manual Integration Results

RT: 6.08
Area: 7552
Amount: 0.028155
Amount Units: ng/ml



Reviewer: RPU6, 10-Mar-2025 15:09:39 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Split Peak

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: MW-11R-021325
Lab Sample ID: 410-209941-8

Matrix: Water
Lab File ID: 25MAR06-43.d

Analysis Method: 1633
Date Collected: 02/13/2025 14:43

Extraction Method: 1633
Date Extracted: 03/06/2025 08:30

Sample wt/vol: 140.5(mL)
Date Analyzed: 03/07/2025 03:38

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture:
% Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613851
Units: ng/L

Preparation Batch No.: 613587
Instrument ID: 30729

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	8.9		3.6	0.98
2706-90-3	Perfluoropentanoic acid	16		1.8	0.53
307-24-4	Perfluorohexanoic acid	14		1.8	0.44
375-85-9	Perfluoroheptanoic acid	8.3		1.8	0.71
335-67-1	Perfluorooctanoic acid	20		1.8	0.80
375-95-1	Perfluorononanoic acid	6.6		1.8	0.44
335-76-2	Perfluorodecanoic acid	1.8	I	1.8	0.44
2058-94-8	Perfluoroundecanoic acid	ND		1.8	0.44
307-55-1	Perfluorododecanoic acid	ND		1.8	0.44
72629-94-8	Perfluorotridecanoic acid	ND		1.8	0.44
376-06-7	Perfluorotetradecanoic acid	ND		1.8	0.44
375-73-5	Perfluorobutanesulfonic acid	4.5		1.8	0.44
2706-91-4	Perfluoropentanesulfonic acid	ND		1.8	0.44
355-46-4	Perfluorohexanesulfonic acid	3.6		1.8	0.71
375-92-8	Perfluoroheptanesulfonic acid	ND		1.8	0.44
1763-23-1	Perfluorooctanesulfonic acid	20		1.8	0.44
68259-12-1	Perfluorononanesulfonic acid	ND		1.8	0.44
335-77-3	Perfluorodecanesulfonic acid	ND		1.8	0.44
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.53
757124-72-4	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		3.6	0.89
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		3.6	0.89
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		3.6	0.89
754-91-6	Perfluorooctanesulfonamide	ND		1.8	0.44
31506-32-8	NMeFOSA	ND		1.8	0.44
4151-50-2	N-ethylperfluoro-1-octanesulfonamide	ND		1.8	0.44
2355-31-9	NMeFOSAA	ND		1.8	0.44
2991-50-6	NEtFOSAA	ND		1.8	0.44

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: MW-11R-021325
Lab Sample ID: 410-209941-8

Matrix: Water
Lab File ID: 25MAR06-43.d

Analysis Method: 1633
Date Collected: 02/13/2025 14:43

Extraction Method: 1633
Date Extracted: 03/06/2025 08:30

Sample wt/vol: 140.5(mL)
Date Analyzed: 03/07/2025 03:38

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613851
Units: ng/L

Preparation Batch No.: 613587
Instrument ID: 30729

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
24448-09-7	2-(N-methylperfluoro-1-octanesulfonamido) ethanol	ND		8.9	2.2
1691-99-2	2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	ND		8.9	2.2
13252-13-6	HFPO-DA	ND		1.8	0.67
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.44
377-73-1	Perfluoro-3-methoxypropanoic acid	ND		1.8	0.44
863090-89-5	Perfluoro(4-methoxybutanoic acid)	ND		1.8	0.44
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid	ND		1.8	0.44
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND	cn	1.8	0.44
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		1.8	0.44
113507-82-7	PFEESA	ND		1.8	0.44
356-02-5	3:3 FTCA	ND		3.6	0.89
914637-49-3	5:3 FTCA	ND		8.9	2.5
812-70-4	7:3 FTCA	ND		8.9	2.2

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Client Sample ID: MW-11R-021325 Lab Sample ID: 410-209941-8

Matrix: Water Lab File ID: 25MAR06-43.d

Analysis Method: 1633 Date Collected: 02/13/2025 14:43

Extraction Method: 1633 Date Extracted: 03/06/2025 08:30

Sample wt/vol: 140.5(mL) Date Analyzed: 03/07/2025 03:38

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 7(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613851 Units: ng/L

Preparation Batch No.: 613587 Instrument ID: 30729

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	85.8		5-130
STL01893	13C5 PFPeA	89.6		40-130
STL02577	13C5 PFHxA	90.4		40-130
STL01892	13C4 PFHpA	86.6		40-130
STL01052	13C8 PFOA	85.6		40-130
STL02578	13C9 PFNA	108		40-130
STL02579	13C6 PFDA	92.5		40-130
STL02580	13C7 PFUnA	140	*5+ cn	30-130
STL02116	13C2 PFTeDA	83.9		10-130
STL02337	13C3 PFBS	87.7		40-135
STL02581	13C3 PFHxS	79.0		40-130
STL01054	13C8 PFOS	90.9		40-130
STL01056	13C8 FOSA	82.9		40-130
STL02118	d3-NMeFOSAA	74.6		40-170
STL02117	d5-NEtFOSAA	79.2		25-135
STL02395	M2-4:2 FTS	82.4		40-200
STL02279	M2-6:2 FTS	82.3		40-200
STL02280	M2-8:2 FTS	84.7		40-300
STL02255	13C3 HFPO-DA	93.9		40-130
STL02277	d7-N-MeFOSE-M	61.3		10-130
STL02278	d9-N-EtFOSE-M	59.4		10-130
STL02704	d5-NEtPFOSA	38.0		10-130
STL02705	d3-NMePFOSA	39.4		10-130
STL00998	13C2 PFDoA	108	cn	10-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR06-43.d
Lims ID: 410-209941-A-8-C
Client ID: MW-11R-021325
Sample Type: Client
Inject. Date: 07-Mar-2025 03:38:18 ALS Bottle#: 35 Worklist Smp#: 39
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: 410-209941-A-8-C
Misc. Info.: Plate: 1 Rack: 1 410-0140106-039
Operator ID: ETUS023_USR_INS00054 Instrument ID: 30729

Method: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\30729_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 10-Mar-2025 15:13:58 Calib Date: 03-Mar-2025 20:03:32
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-08.d

Column 1 : Det: EXP1
Process Host: CTX1629

First Level Reviewer: RPU6 Date: 10-Mar-2025 15:10:44
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
5 PFBA										M
212.80 > 168.90	4.415	4.450	-0.035	1.000	78066	0.2487			430	M
D 3 13C4-PFBA										
216.80 > 171.90	4.415	4.450	-0.035	1.000	624366	1.72		85.8	15294	
* 4 13C3PFBA										
216.00 > 172.00	4.415	4.459	-0.044		823873	2.00			183	
D 9 13C5 PFPeA										
268.30 > 223.00	5.109	5.142	-0.033	0.906	538301	1.79		89.6	30890	
10 PFPA										
263.00 > 219.00	5.109	5.142	-0.033	1.000	195907	0.4457			5481	
D 12 13C2-4:2FTS										
329.10 > 80.90	5.445	5.479	-0.034	0.807	296116	3.86		82.4	6586	
D 16 13C5 PFHxA										
318.00 > 273.00	5.641	5.676	-0.035	1.000	883511	1.81		90.4	51043	
* 17 13C2 PFHxA										
315.10 > 270.00	5.641	5.676	-0.035		2101766	5.00			91438	
18 PFHxA										
313.00 > 269.00	5.641	5.687	-0.046	1.000	166941	0.4049	Target=10.83		5543	
313.00 > 118.90	5.641	5.687	-0.046	1.000	14590		11.44(5.41-16.24)		830	
21 PFBS										
298.70 > 79.90	5.778	5.818	-0.040	1.000	43355	0.1271	Target=2.85		1111	
298.70 > 98.80	5.778	5.818	-0.040	1.000	17144		2.53(1.43-4.28)		821	
D 19 13C3 PFBS										
302.10 > 79.90	5.778	5.818	-0.040	0.856	930010	1.63		87.7	30803	
D 23 13C3 HFPO-DA										
286.90 > 168.90	5.834	5.873	-0.039	1.034	896676	1.88		93.9	35482	
D 27 13C4 PFHpA										
367.10 > 322.00	6.084	6.135	-0.051	1.079	815160	1.73		86.6	44319	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
28 PFHpA										M
363.10 > 319.00	6.084	6.135	-0.051	1.000	92801	0.2335	Target=2.23		1454	M
363.10 > 169.00	6.084	6.135	-0.051	1.000	40568		2.29(1.12-3.35)		1841	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.299	6.349	-0.050	0.933	296443	3.92		82.3	14627	
D 34 13C8 PFOA										
421.10 > 376.00	6.508	6.565	-0.057	1.000	914695	1.71		85.6	61949	
* 40 13C4 PFOA										
417.10 > 372.00	6.508	6.565	-0.057		2770582	5.00			112004	
35 PFOA										
413.00 > 369.00	6.518	6.575	-0.057	1.002	195109	0.5708	Target=1.69		623	
413.00 > 169.00	6.518	6.575	-0.057	1.002	106644		1.83(0.85-2.54)		576	
* 38 18O2 PFHxS										
403.00 > 83.90	6.750	6.807	-0.057		876100	1.89			49603	
D 37 13C3 PFHxS										
402.10 > 79.90	6.750	6.807	-0.057	1.000	678943	1.50		79.0	28363	
39 PFHxS										
398.70 > 79.90	6.750	6.819	-0.068	1.000	24682	0.1025	Target=3.39		129	
398.70 > 98.90	6.750	6.819	-0.068	1.000	7508		3.29(1.70-5.09)		52.4	
D 41 13C9 PFNA										
472.10 > 427.00	6.929	6.999	-0.070	1.000	747964	2.15		108	33676	
* 42 13C5 PFNA										
468.00 > 423.00	6.929	6.999	-0.070		709582	2.00			31906	
43 PFNA										
463.00 > 419.00	6.941	6.999	-0.058	1.002	62866	0.1859	Target=2.10		266	
463.00 > 219.00	6.941	6.999	-0.058	1.002	24055		2.61(1.05-3.15)		40.7	
D 45 13C2-8:2FTS										
529.10 > 80.90	7.122	7.191	-0.069	1.055	330349	4.07		84.7	19799	
D 49 d3-NMeFOSAA										
573.20 > 419.00	7.278	7.357	-0.079	0.954	467830	3.73		74.6	26127	
* 51 13C2 PFDA										
515.10 > 470.10	7.346	7.426	-0.080		705782	2.00			37081	
D 52 13C6 PFDA										
519.10 > 474.10	7.346	7.426	-0.080	1.000	671272	1.85		92.5	26664	
53 PFDA										R
512.90 > 469.00	7.346	7.426	-0.080	1.000	10819	0.0518	Target=3.00		516	R
512.90 > 219.00	7.346	7.426	-0.080	1.000	2206		4.90(1.50-4.50)		121	
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.470	7.536	-0.066	0.979	434976	3.96		79.2	22732	
* 57 13C4 PFOS										
502.80 > 79.90	7.629	7.714	-0.085		929465	1.91			39100	
D 56 13C8 PFOS										
507.10 > 79.90	7.629	7.714	-0.085	1.000	774395	1.74		91.1	21851	
58 PFOS										
498.90 > 79.90	7.629	7.714	-0.085	1.000	343130	0.5606	Target=4.52		476	
498.90 > 98.80	7.629	7.714	-0.085	1.000	70016		4.90(2.26-6.78)		162	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 59 13C7 PFUnA										
570.00 > 525.10	7.774	7.856	-0.082	1.058	804230	2.79		140	50719	
D 63 PFDoA										
615.10 > 570.00	8.167	8.254	-0.087	1.112	456502	2.17		108	28026	
D 66 13C8 FOSA										
506.10 > 77.80	8.354	8.382	-0.028	1.095	1224495	1.66		82.9	45283	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.854	8.955	-0.101	1.205	315751	1.68		83.9	16323	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.142	9.146	-0.004	1.198	379292	3.06		61.3	6324	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.237	9.241	-0.005	1.211	180166	0.7875		39.4	6297	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.327	9.330	-0.003	1.222	448836	2.97		59.4	6435	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.398	9.401	-0.003	1.232	193057	0.7593		38.0	12807	

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Reagents:

1633_125_IS_V_00235 Amount Added: 50.00 Units: uL

Report Date: 10-Mar-2025 15:15:08 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR06-43.d

Injection Date: 07-Mar-2025 03:38:18 Instrument ID: 30729

Lims ID: 410-209941-A-8-C Lab Sample ID: 410-209941-8

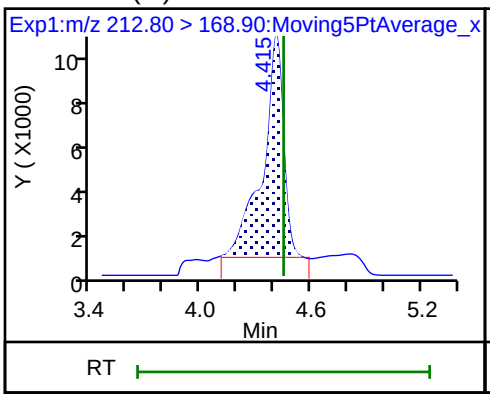
Client ID: MW-11R-021325

Operator ID: ETUS023_USR_INS00054 ALS Bottle#: 35 Worklist Smp#: 39

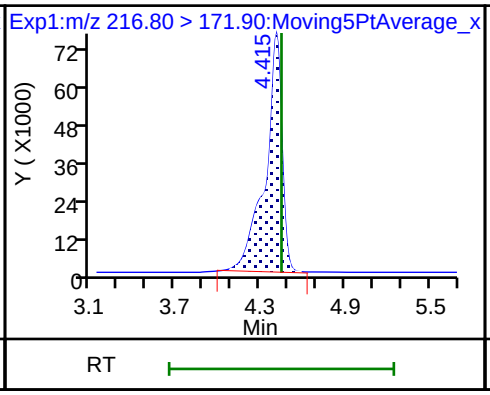
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 30729_1633Final Limit Group: LC - 1633 LVI- ICAL

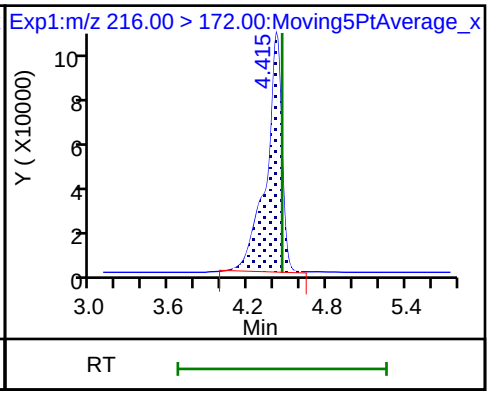
5 PFBA (M)



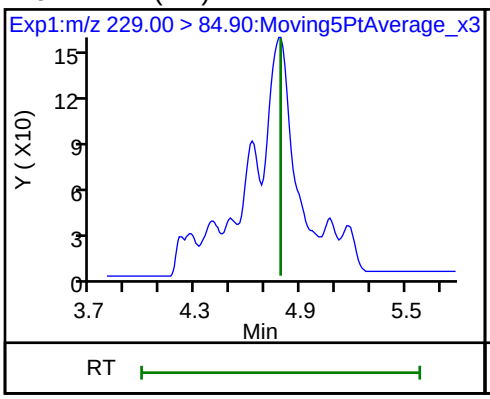
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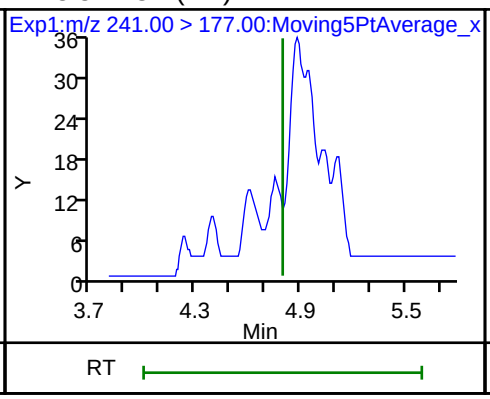
* 4 13C3PFBA



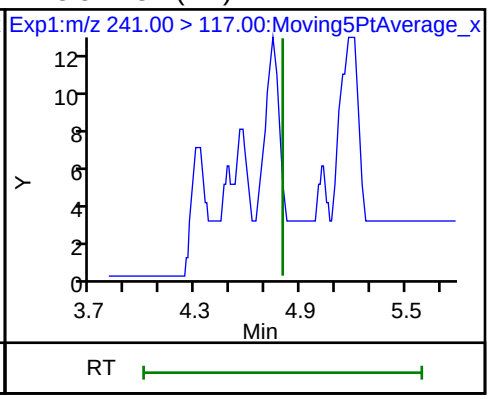
6 PFMPA (ND)



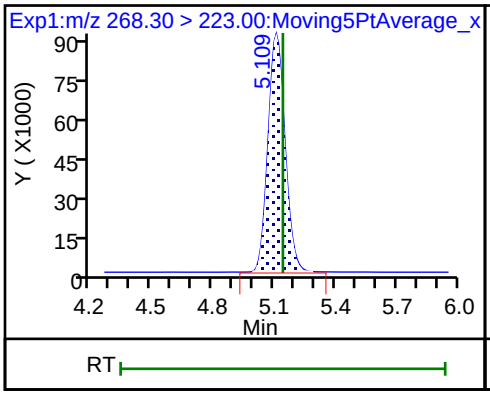
7 3:3 FTCA (ND)



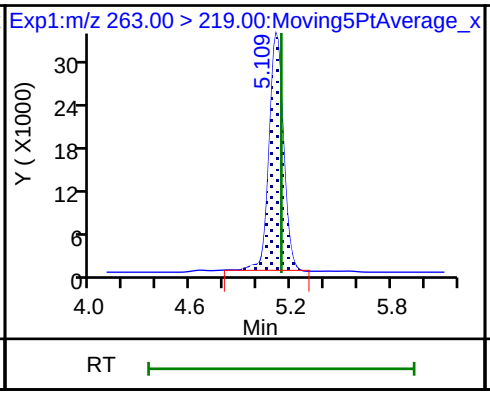
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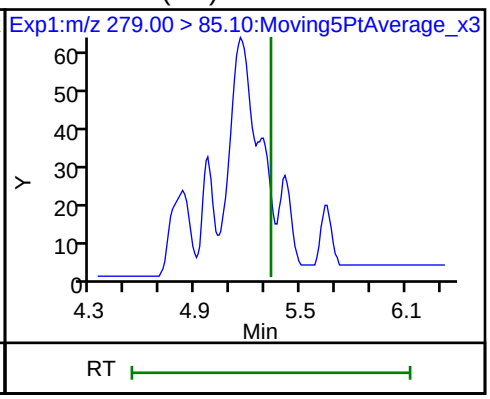
D 9 13C5 PFPeA



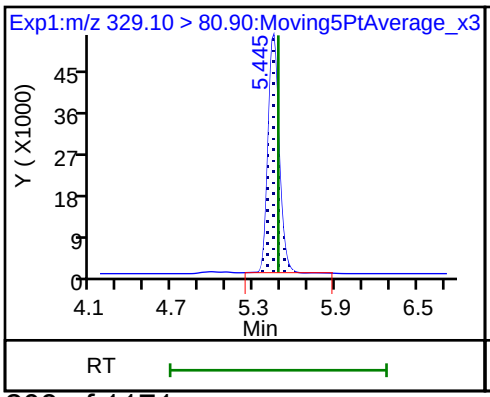
10 PFPA



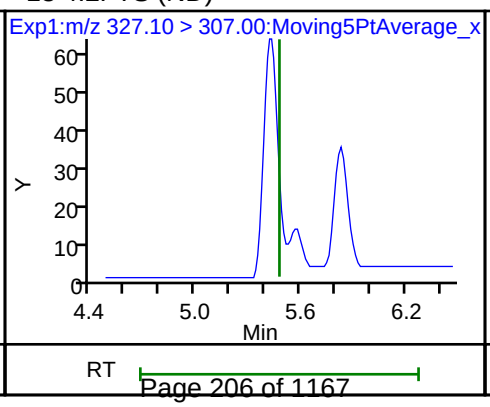
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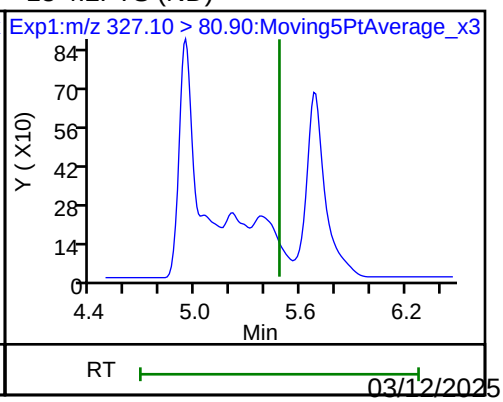
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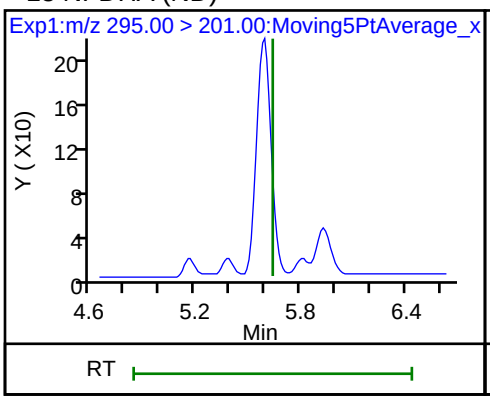
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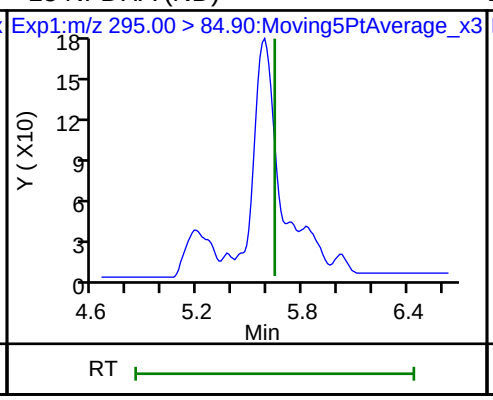
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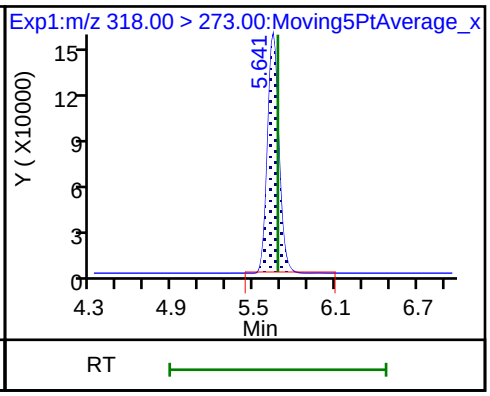
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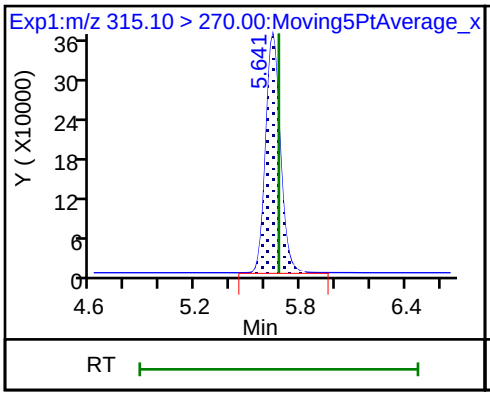
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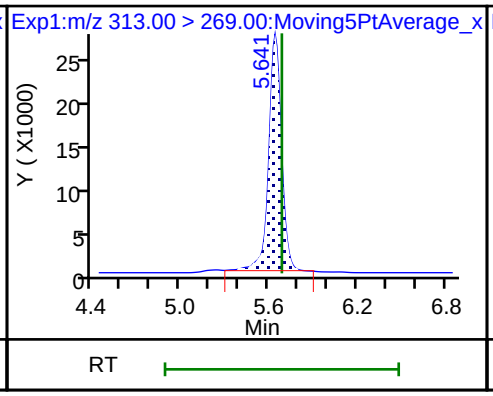
D 16 13C5 PFHxA



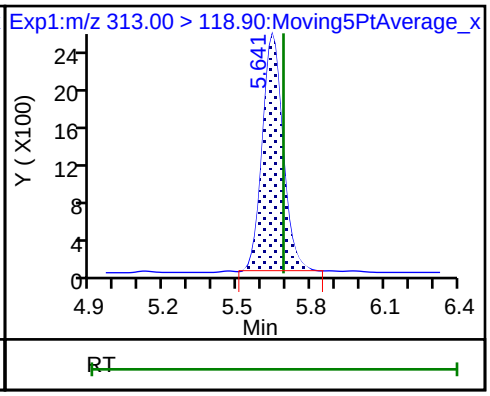
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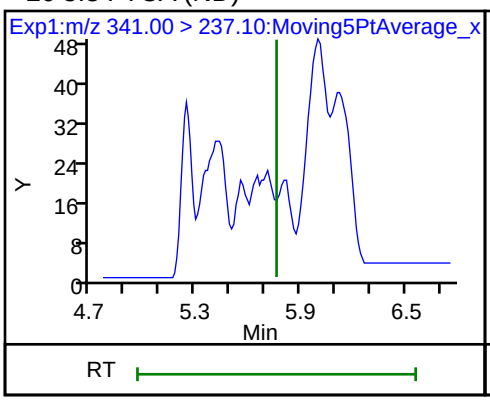
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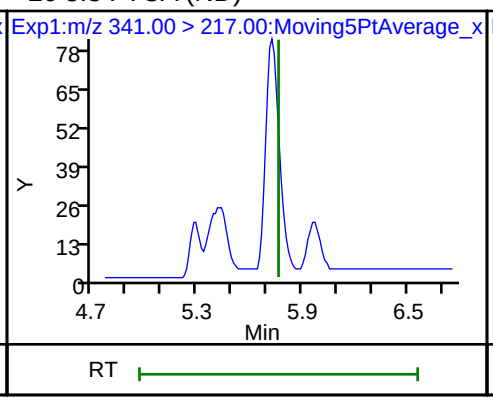
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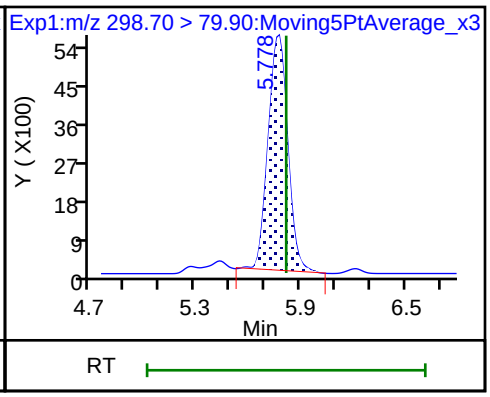
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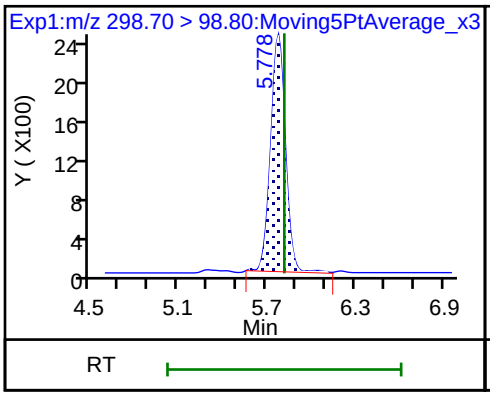
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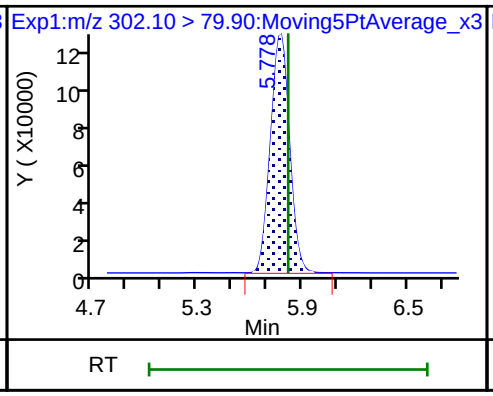
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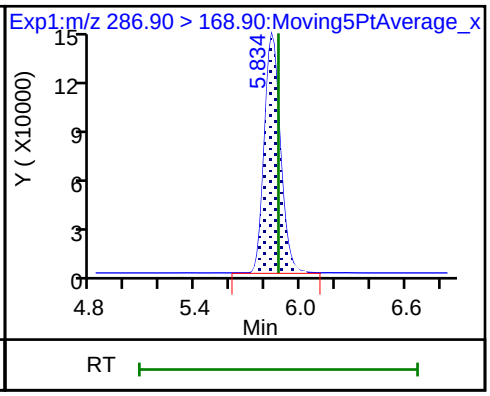
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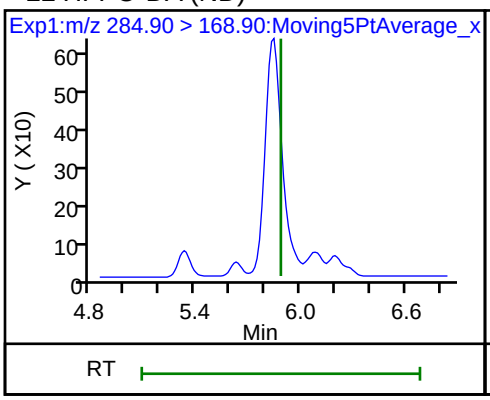
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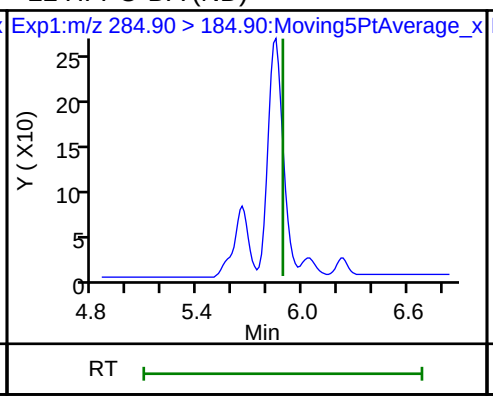
D 23 13C3 HFPO-DA



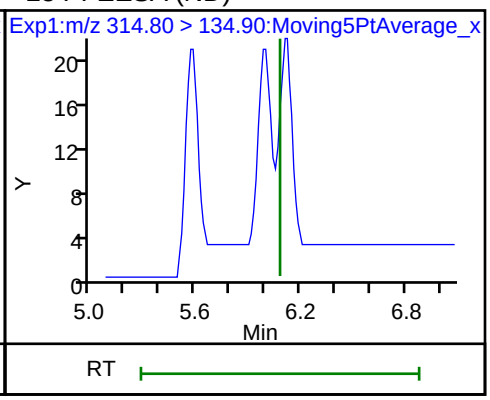
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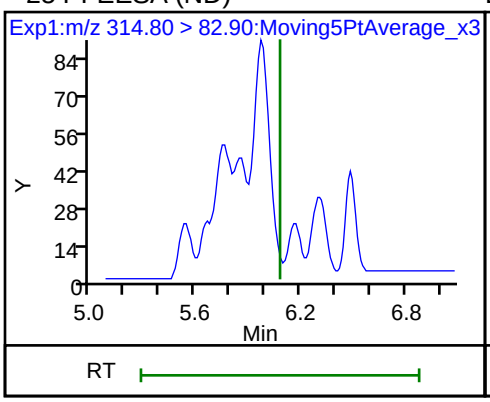
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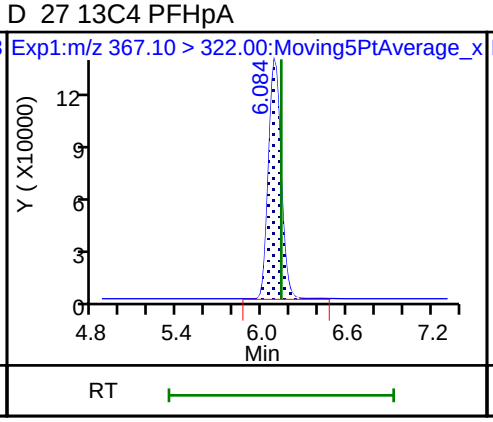
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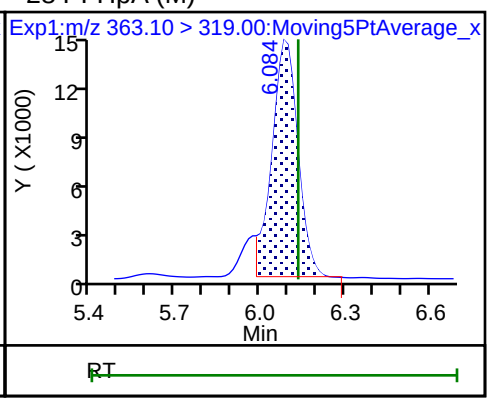
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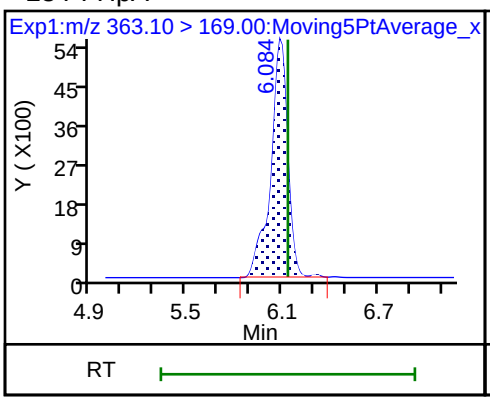
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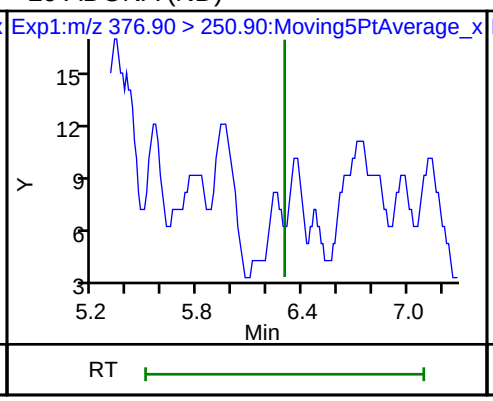
28 PFHpA (M)



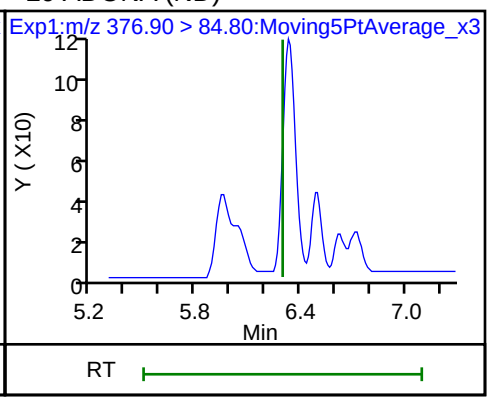
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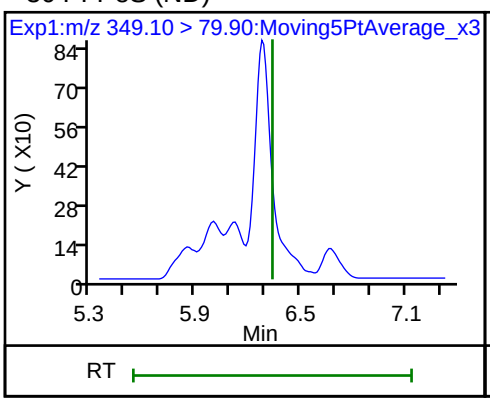
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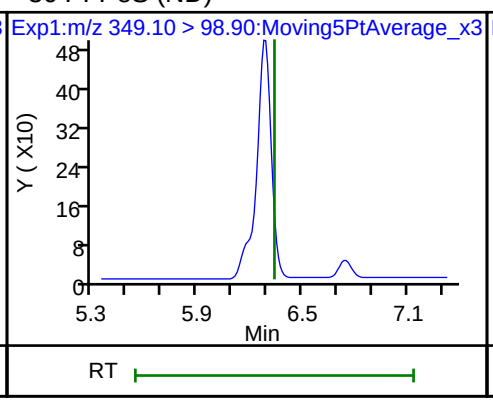
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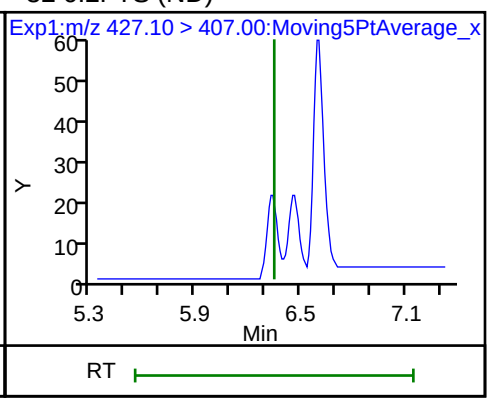
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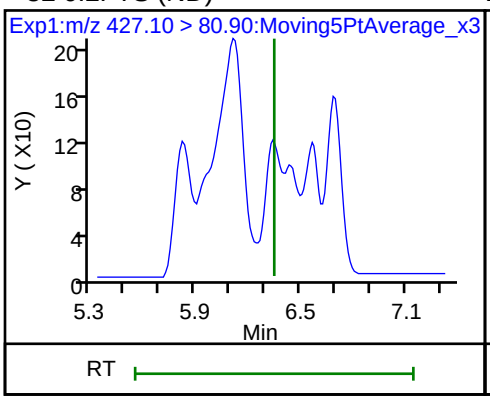
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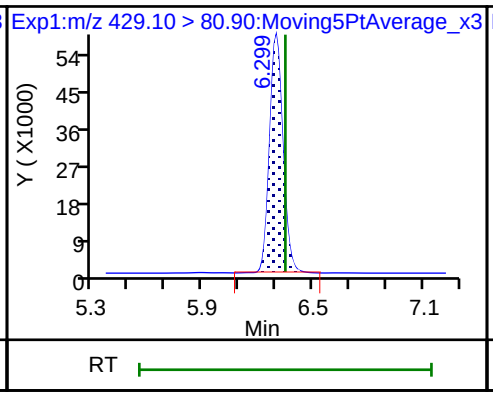
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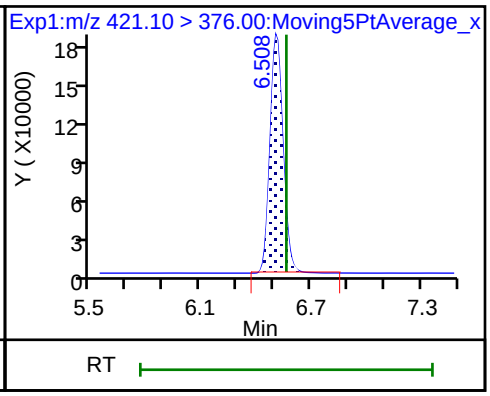
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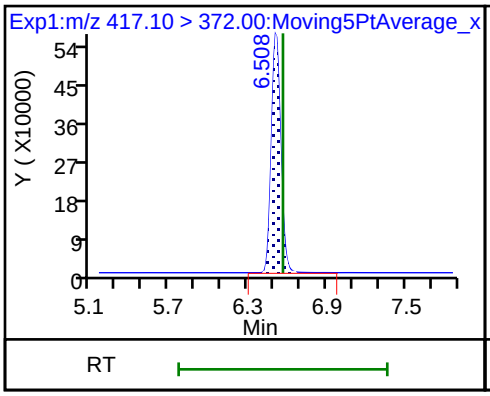
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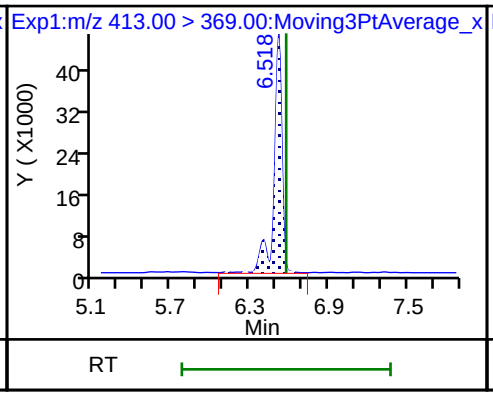
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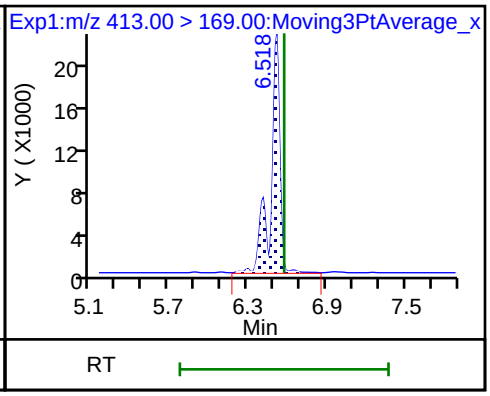
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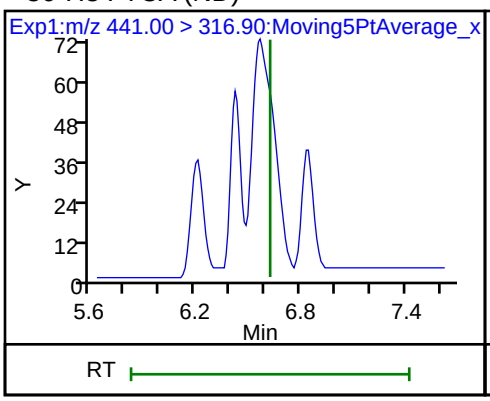
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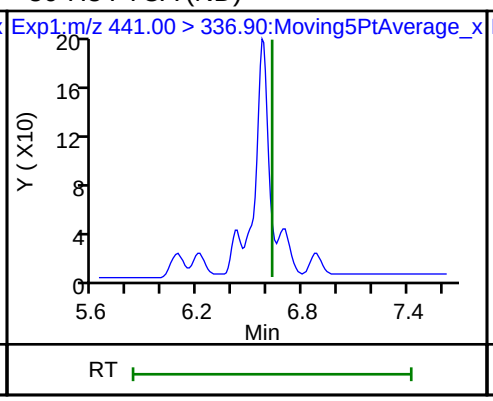
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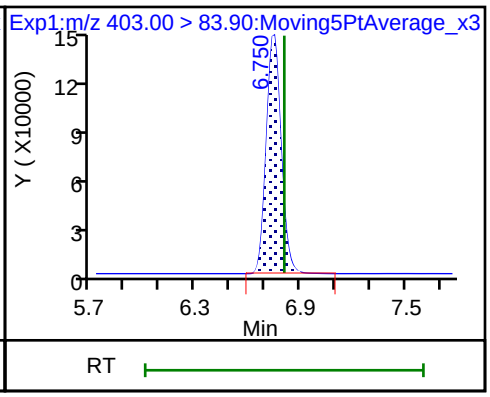
36 7:3 FTCA (ND)



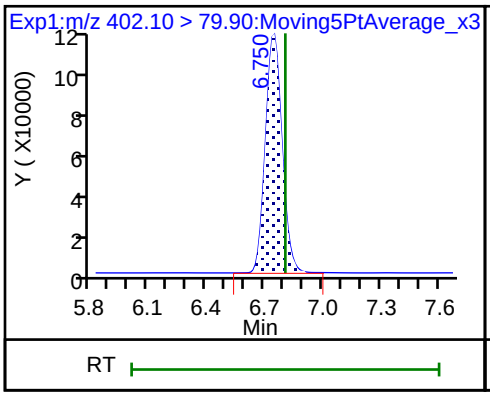
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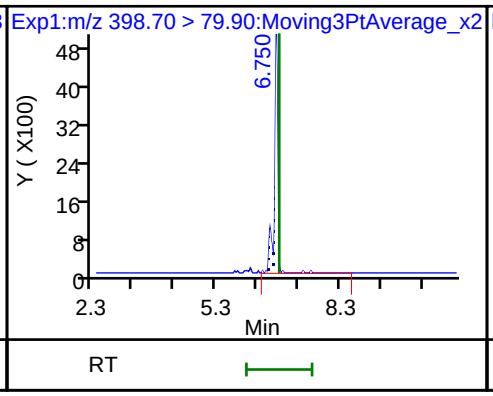
* 38 18O2 PFHxS



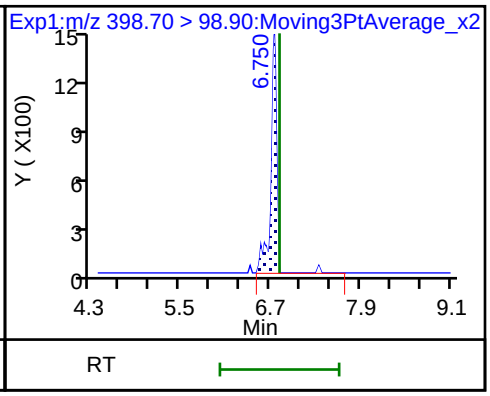
D 37 13C3 PFHxS



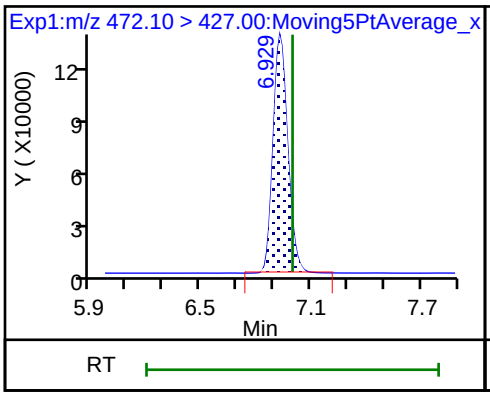
39 PFHxS



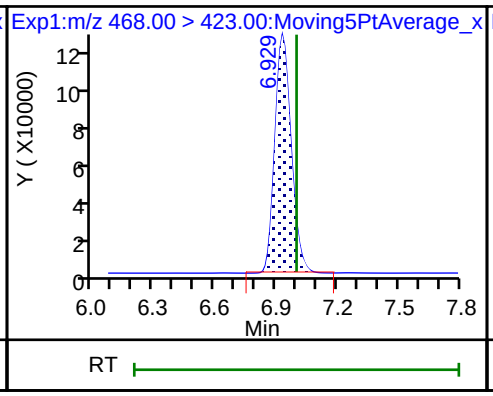
39 PFHxS



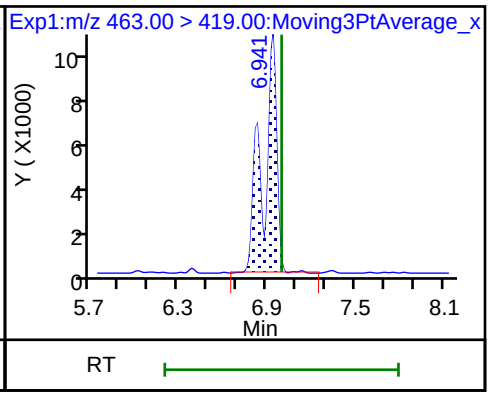
D 41 13C9 PFNA



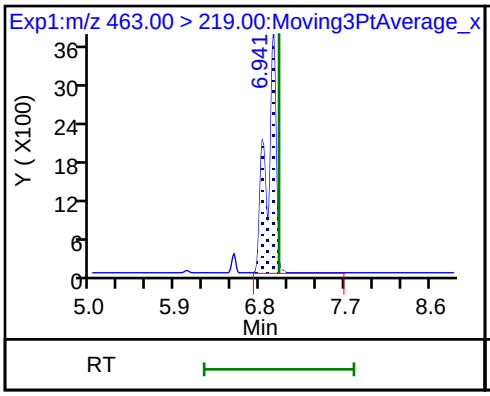
* 42 13C5 PFNA



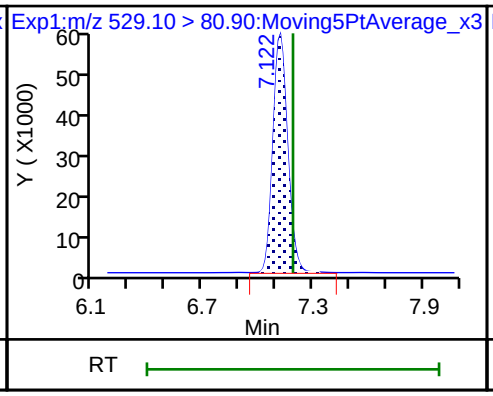
43 PFNA



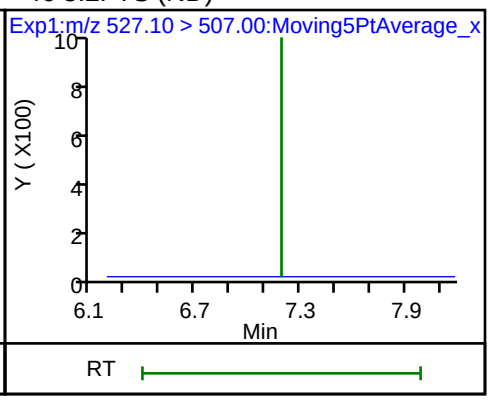
43 PFNA



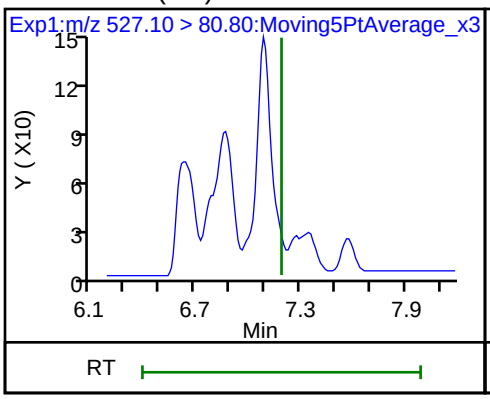
D 45 13C2-8:2FTS



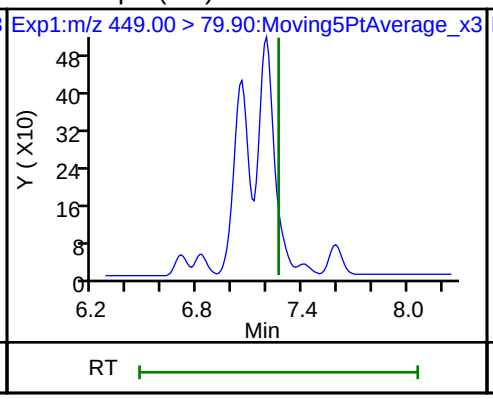
46 8:2FTS (ND)



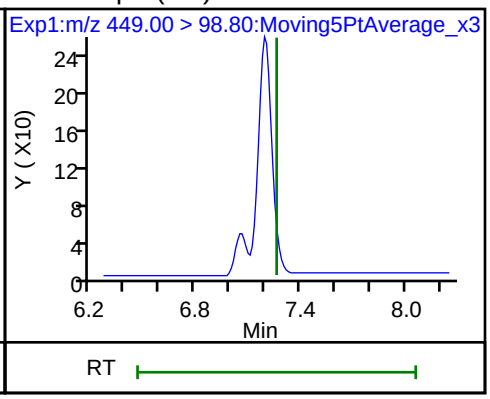
46 8:2FTS (ND)



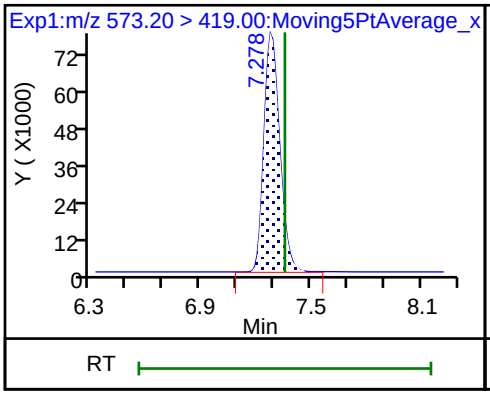
47 PFHpS (ND)



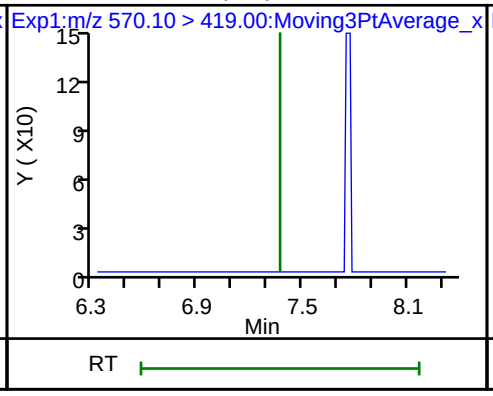
47 PFHpS (ND)



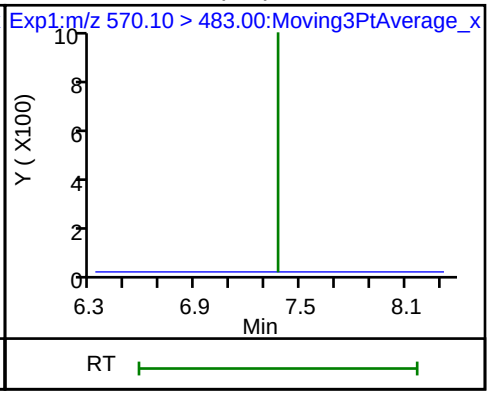
D 49 d3-NMeFOSAA



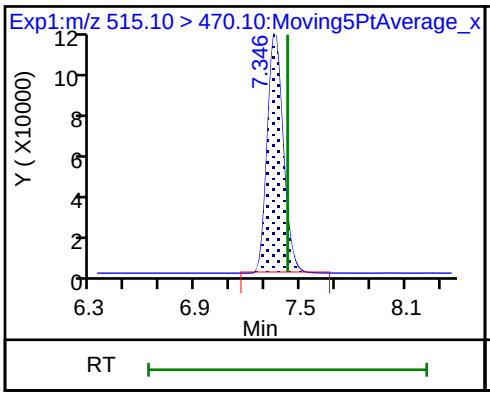
50 NMeFOSAA (ND)



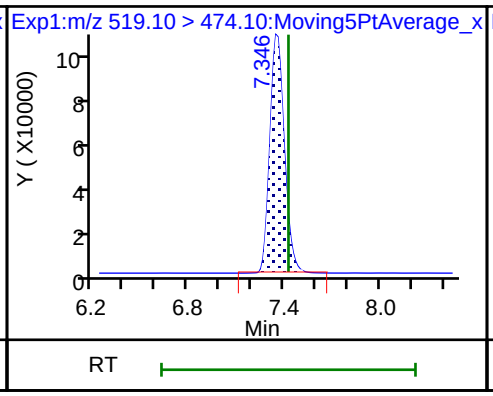
50 NMeFOSAA (ND)



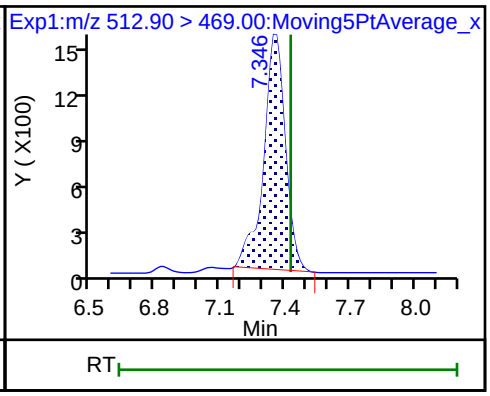
* 51 13C2 PFDA



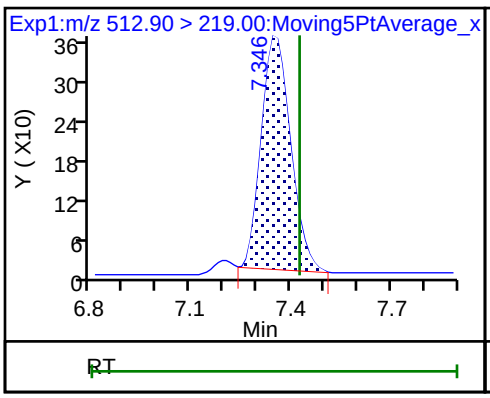
D 52 13C6 PFDA



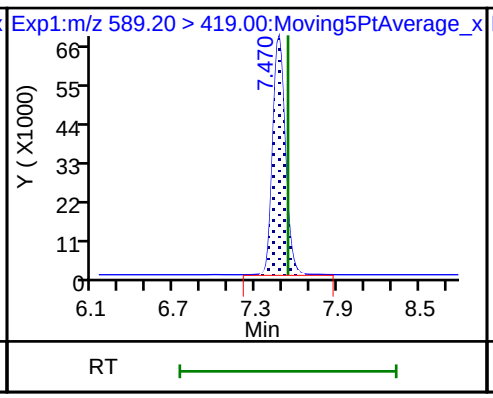
53 PFDA



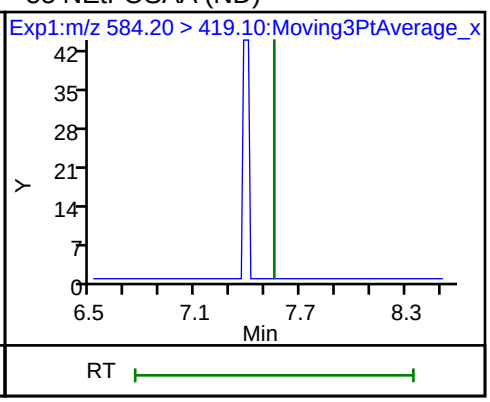
53 PFDA



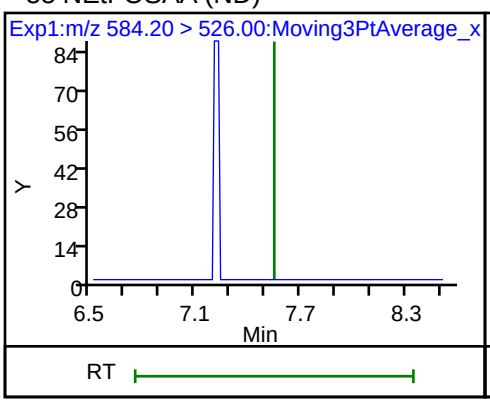
D 54 d5-NEtFOSAA



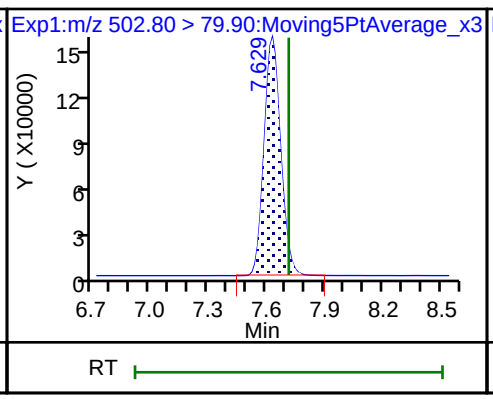
55 NEtFOSAA (ND)



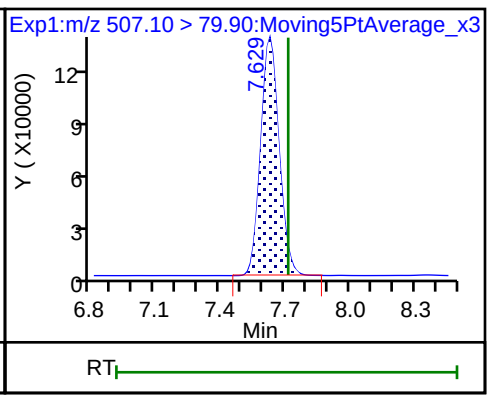
55 NEtFOSAA (ND)



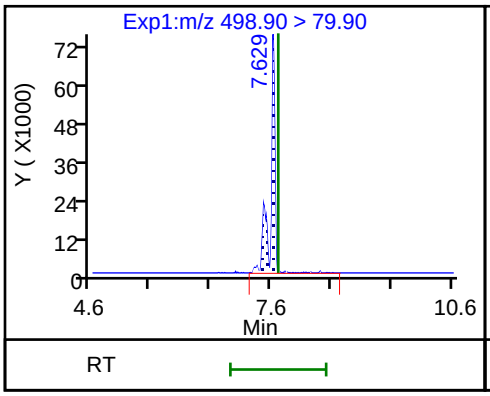
* 57 13C4 PFOS



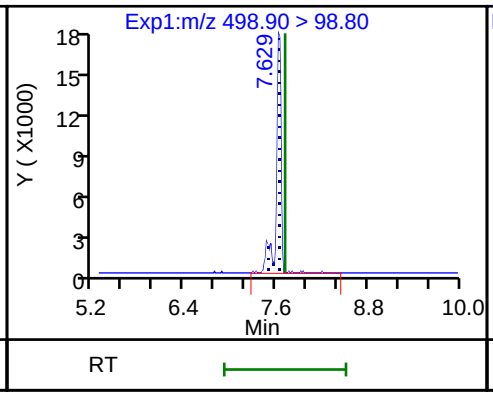
D 56 13C8 PFOS



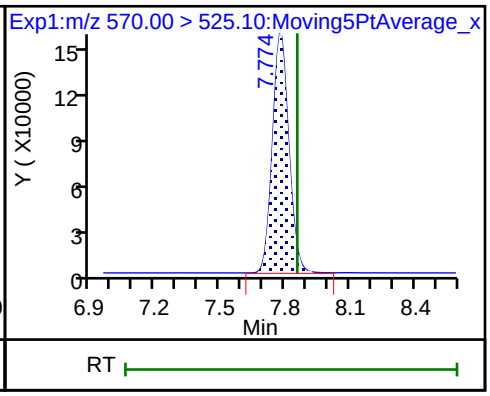
58 PFOS



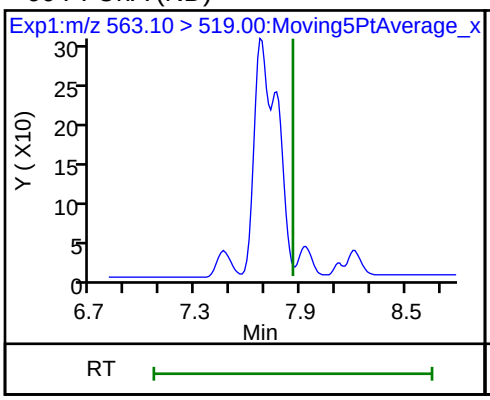
58 PFOS



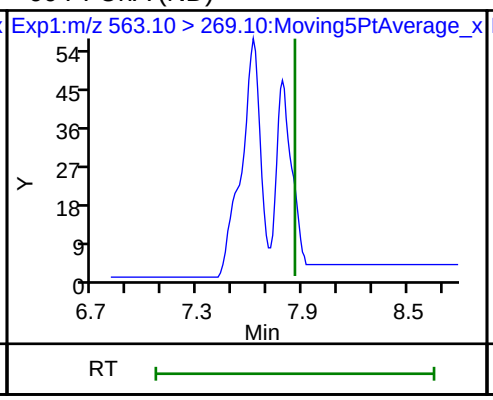
D 59 13C7 PFUnA



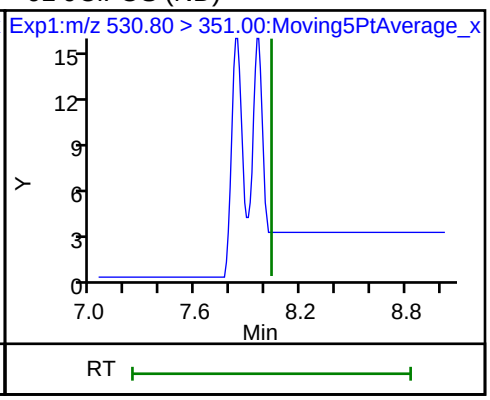
60 PFUnA (ND)



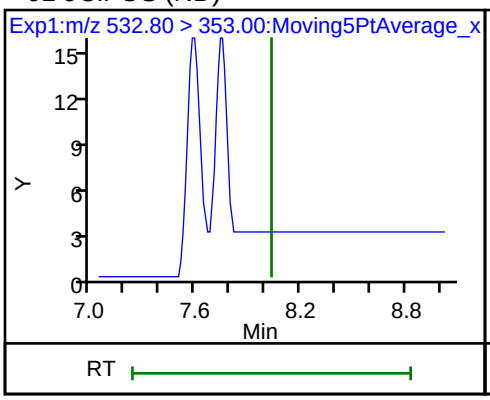
60 PFUnA (ND)



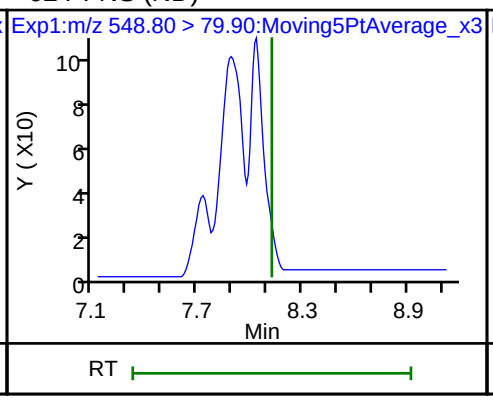
61 9ClFOS (ND)



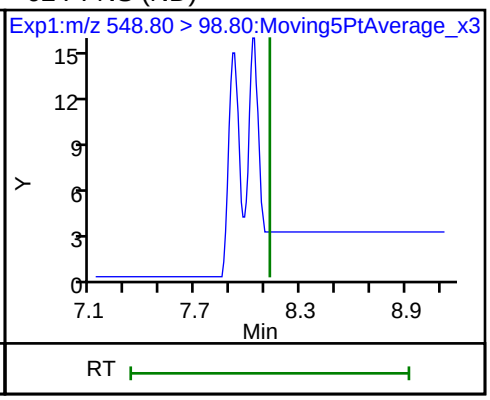
61 9ClFOS (ND)



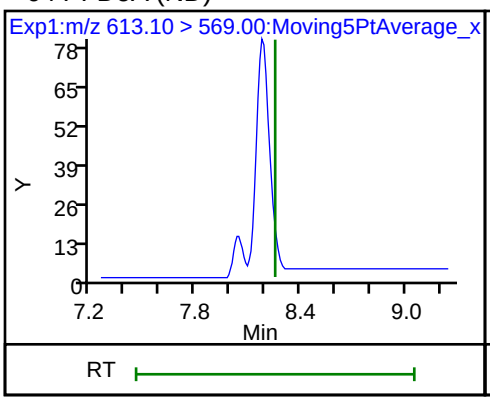
62 PFNS (ND)



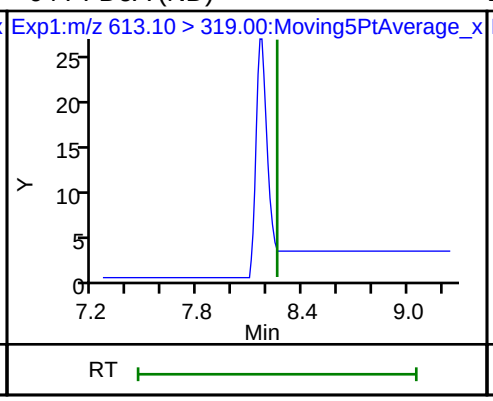
62 PFNS (ND)



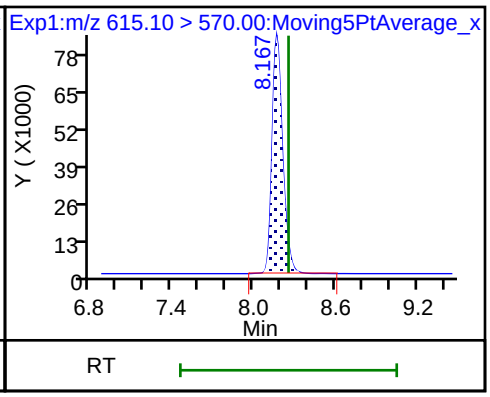
64 PFDoA (ND)



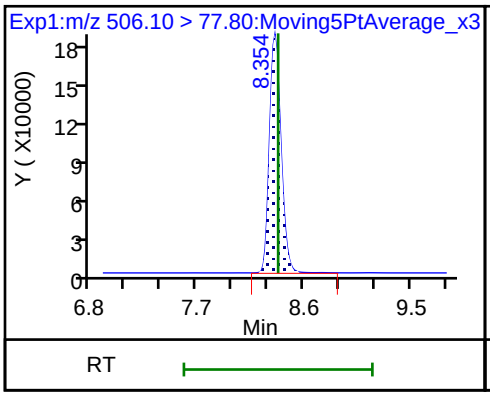
64 PFDoA (ND)



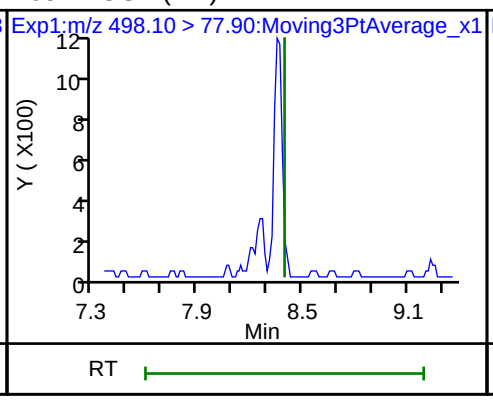
D 63 PFDoA



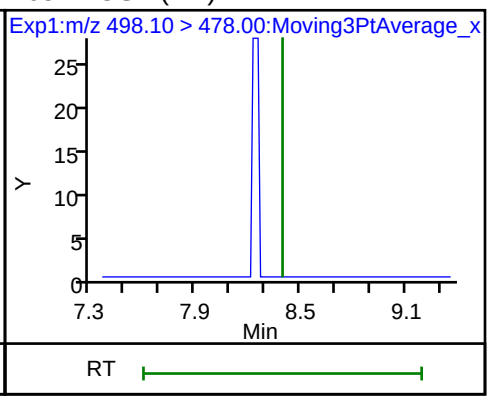
D 66 13C8 FOSA



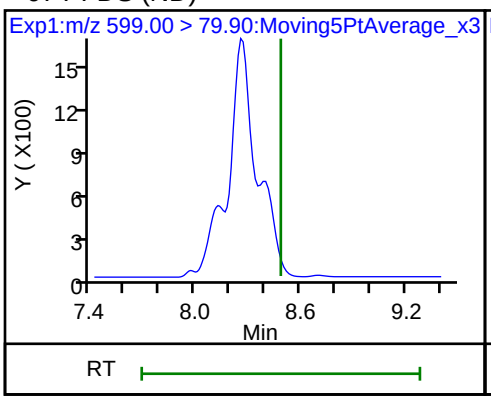
65 PFOSA (ND)



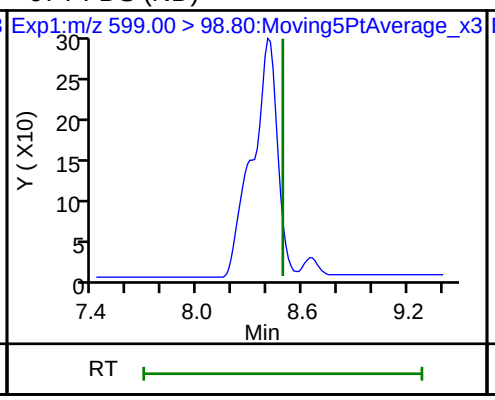
65 PFOSA (ND)



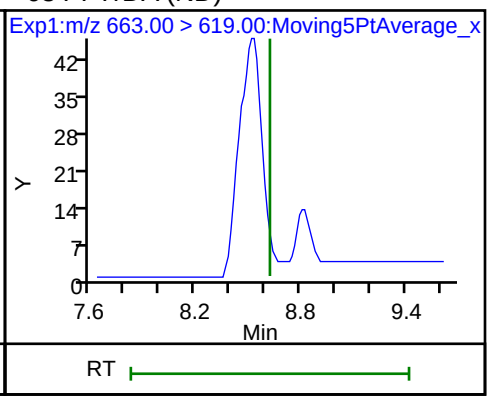
67 PFDS (ND)



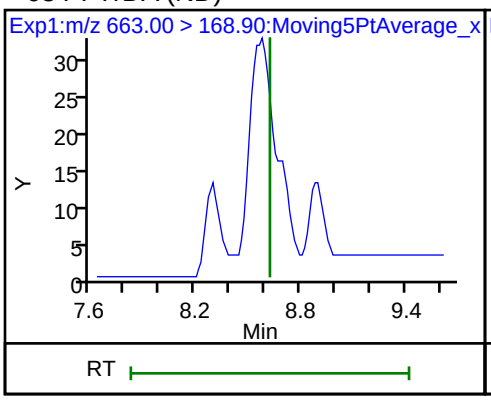
67 PFDS (ND)



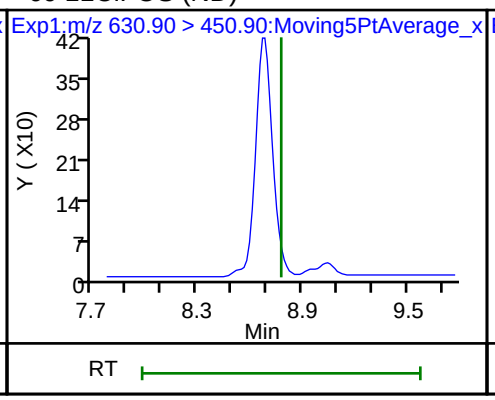
68 PFTrDA (ND)



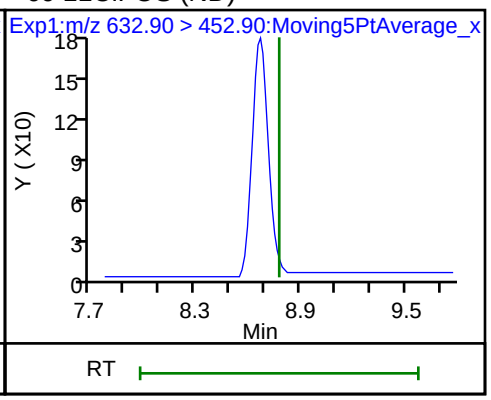
68 PFTrDA (ND)



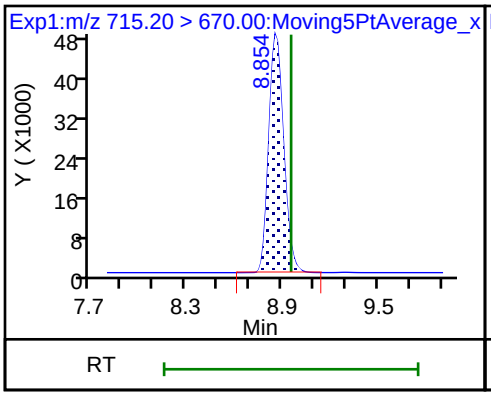
69 11ClFOS (ND)



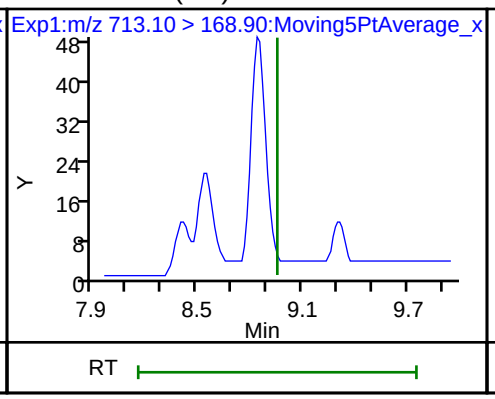
69 11ClFOS (ND)



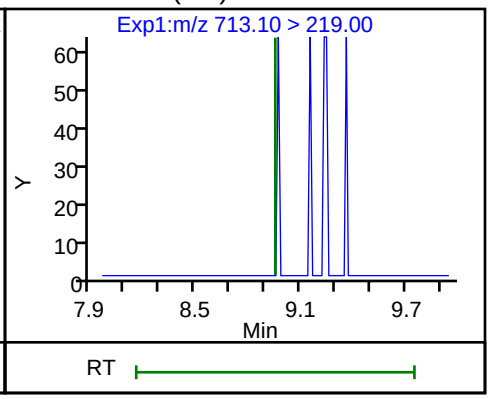
D 70 13C2 PFTeDA



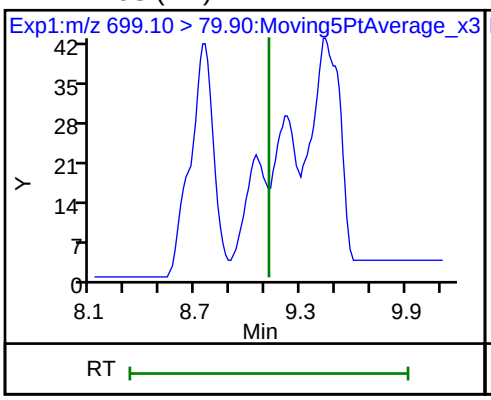
71 PFTeDA (ND)



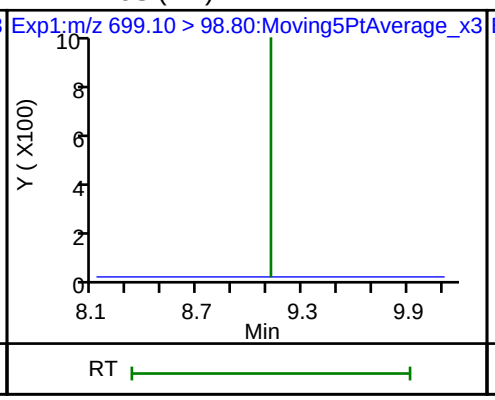
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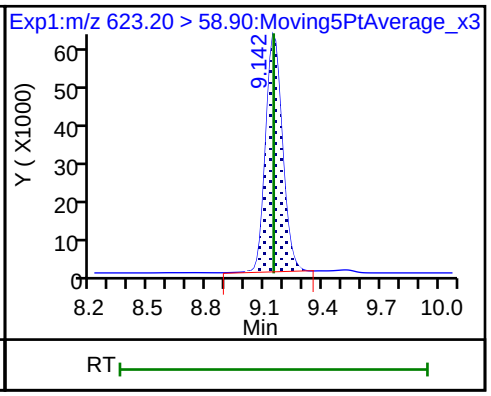
72 PFDoS (ND)



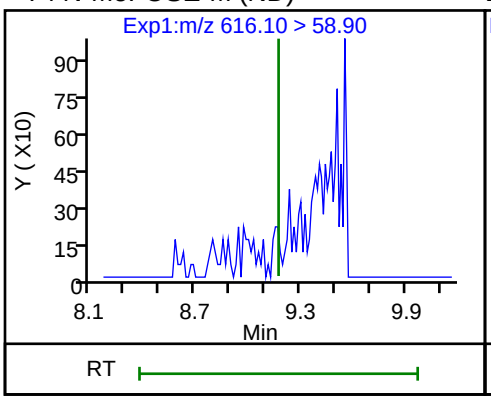
72 PFDoS (ND)



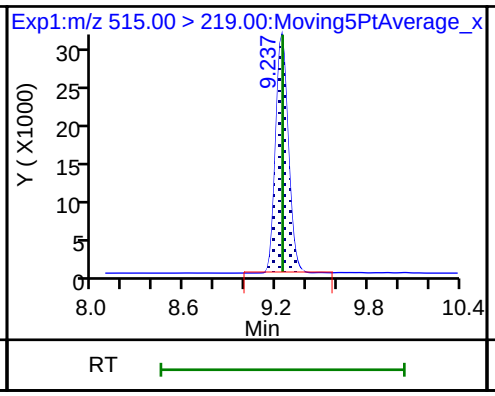
D 73 d7-N-Me-FOSE



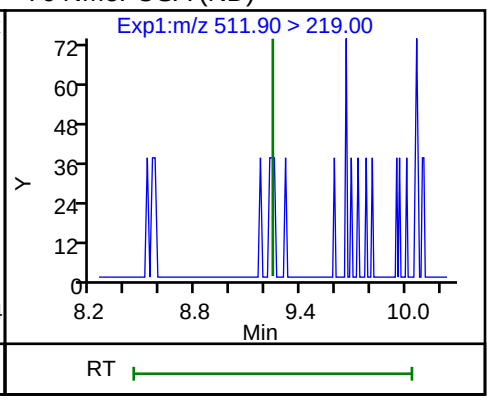
74 N-MeFOSE-M (ND)



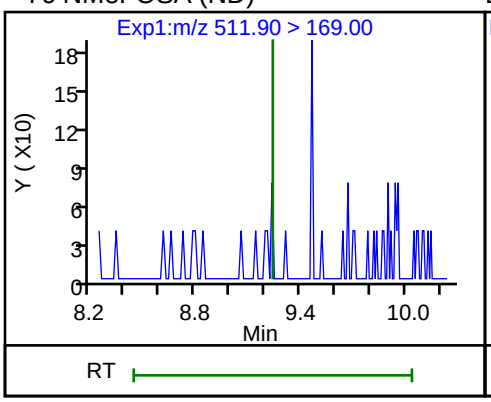
D 75 d3-NMePFOSA



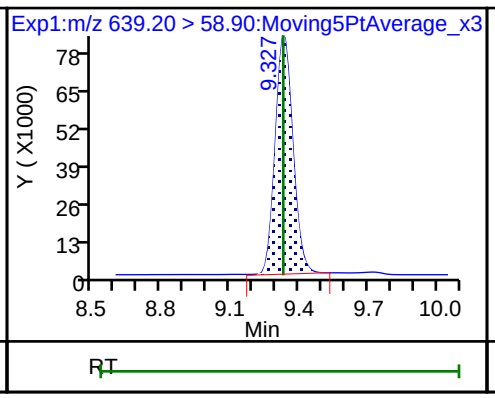
76 NMeFOSA (ND)



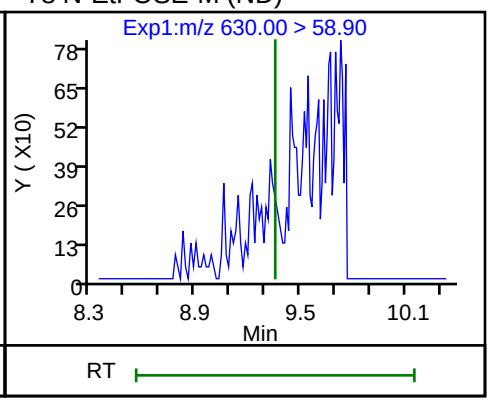
76 NMeFOSA (ND)



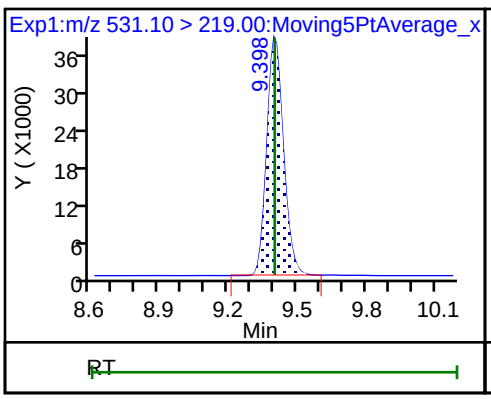
D 77 d9-N-EtFOSE



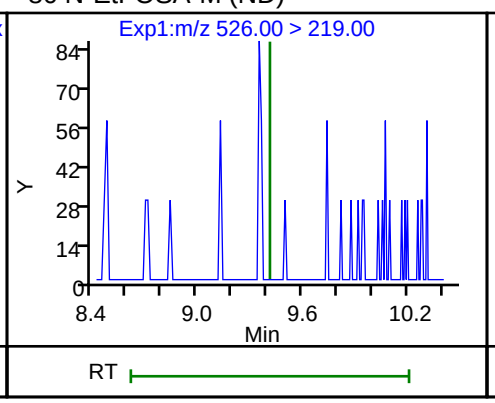
78 N-EtFOSE-M (ND)



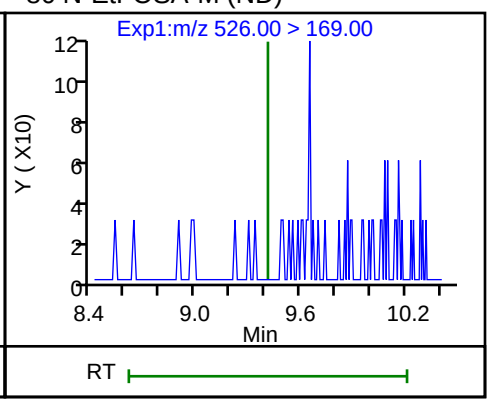
D 79 d5-NEtPFOSA



80 N-EtFOSA-M (ND)



80 N-EtFOSA-M (ND)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

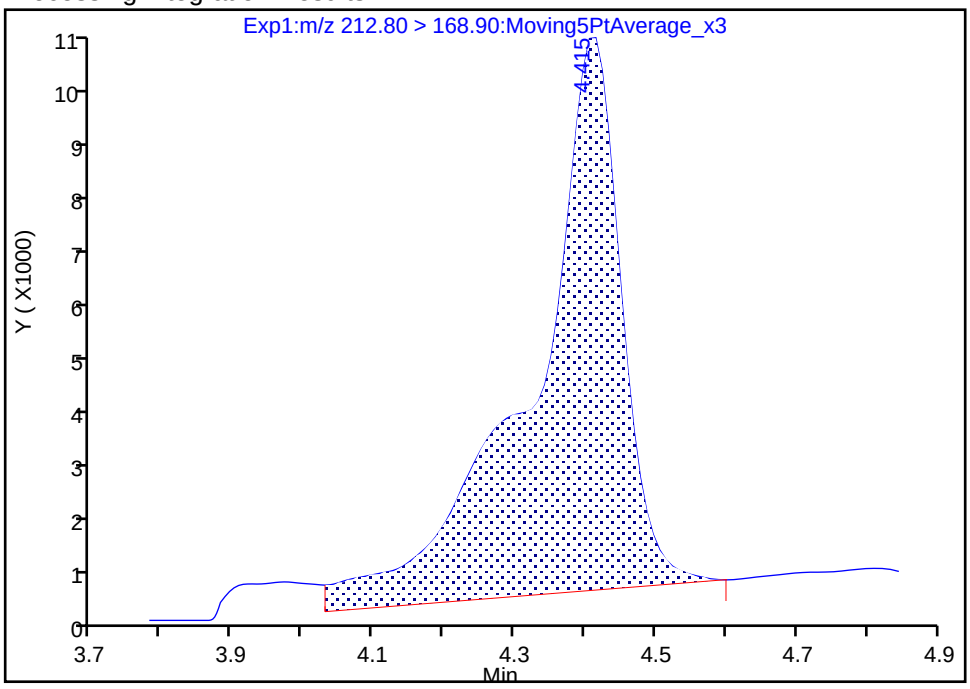
Data File:	\\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR06-43.d				
Injection Date:	07-Mar-2025 03:38:18	Instrument ID:	30729		
Lims ID:	410-209941-A-8-C	Lab Sample ID:	410-209941-8		
Client ID:	MW-11R-021325				
Operator ID:	ETUS023_USR_INS00054	ALS Bottle#:	35	Worklist Smp#:	39
Injection Vol:	7.0 ul	Dil. Factor:	1.0000		
Method:	30729_1633Final	Limit Group:	LC - 1633 LVI- ICAL		
Column:		Detector	EXP1		

5 PFBA, CAS: 375-22-4

Signal: 1

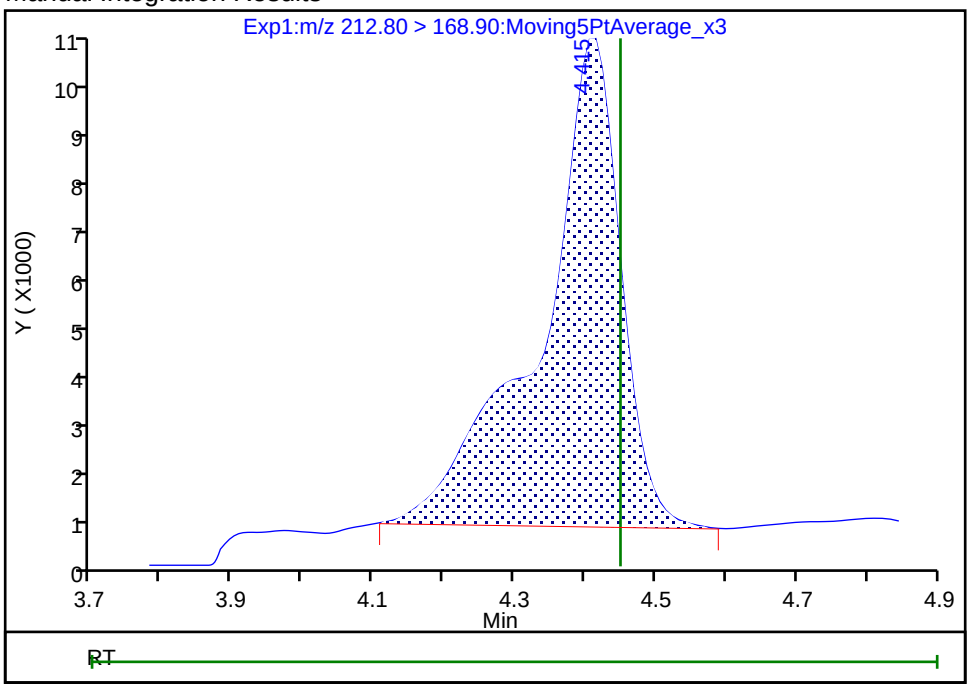
Processing Integration Results

RT: 4.42
Area: 89760
Amount: 0.285992
Amount Units: ng/ml



Manual Integration Results

RT: 4.42
Area: 78066
Amount: 0.248733
Amount Units: ng/ml



Reviewer: RPU6, 10-Mar-2025 15:10:15 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

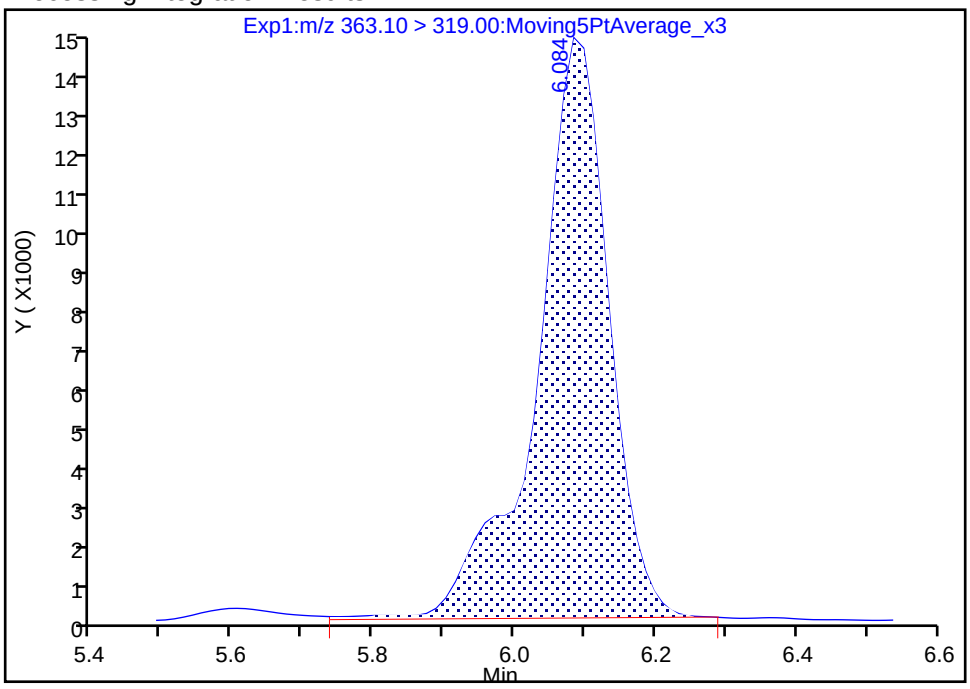
Data File:	\\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR06-43.d				
Injection Date:	07-Mar-2025 03:38:18	Instrument ID:	30729		
Lims ID:	410-209941-A-8-C	Lab Sample ID:	410-209941-8		
Client ID:	MW-11R-021325				
Operator ID:	ETUS023_USR_INS00054	ALS Bottle#:	35	Worklist Smp#:	39
Injection Vol:	7.0 ul	Dil. Factor:	1.0000		
Method:	30729_1633Final	Limit Group:	LC - 1633 LVI- ICAL		
Column:		Detector	EXP1		

28 PFHpA, CAS: 375-85-9

Signal: 1

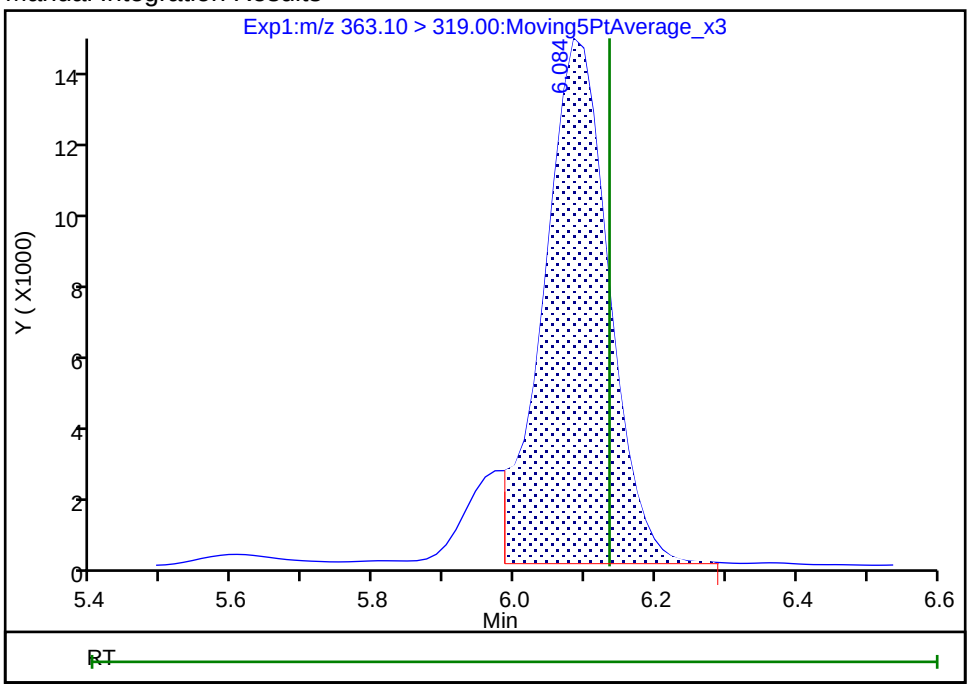
Processing Integration Results

RT: 6.08
Area: 103188
Amount: 0.261880
Amount Units: ng/ml



Manual Integration Results

RT: 6.08
Area: 92801
Amount: 0.233458
Amount Units: ng/ml



Reviewer: RPU6, 10-Mar-2025 15:10:28 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: MW-13-021925
Lab Sample ID: 410-209941-9

Matrix: Water
Lab File ID: 25MAR10N-20.d

Analysis Method: 1633
Date Collected: 02/19/2025 10:32

Extraction Method: 1633
Date Extracted: 03/06/2025 08:30

Sample wt/vol: 140.4(mL)
Date Analyzed: 03/11/2025 00:02

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture:
% Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 615077
Units: ng/L

Preparation Batch No.: 613587
Instrument ID: 30570

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	8.2		3.6	0.98
2706-90-3	Perfluoropentanoic acid	11		1.8	0.53
307-24-4	Perfluorohexanoic acid	10		1.8	0.45
375-85-9	Perfluoroheptanoic acid	7.0		1.8	0.71
335-67-1	Perfluorooctanoic acid	27		1.8	0.80
375-95-1	Perfluorononanoic acid	5.5		1.8	0.45
335-76-2	Perfluorodecanoic acid	0.97	J	1.8	0.45
2058-94-8	Perfluoroundecanoic acid	ND		1.8	0.45
307-55-1	Perfluorododecanoic acid	ND		1.8	0.45
72629-94-8	Perfluorotridecanoic acid	ND		1.8	0.45
376-06-7	Perfluorotetradecanoic acid	ND		1.8	0.45
375-73-5	Perfluorobutanesulfonic acid	2.9		1.8	0.45
2706-91-4	Perfluoropentanesulfonic acid	ND		1.8	0.45
355-46-4	Perfluorohexanesulfonic acid	1.9		1.8	0.71
375-92-8	Perfluoroheptanesulfonic acid	0.50	J	1.8	0.45
1763-23-1	Perfluorooctanesulfonic acid	56		1.8	0.45
68259-12-1	Perfluorononanesulfonic acid	ND		1.8	0.45
335-77-3	Perfluorodecanesulfonic acid	ND		1.8	0.45
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.53
757124-72-4	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		3.6	0.89
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		3.6	0.89
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		3.6	0.89
754-91-6	Perfluorooctanesulfonamide	ND		1.8	0.45
31506-32-8	NMeFOSA	ND		1.8	0.45
4151-50-2	N-ethylperfluoro-1-octanesulfonamide	ND		1.8	0.45
2355-31-9	NMeFOSAA	ND		1.8	0.45
2991-50-6	NEtFOSAA	ND		1.8	0.45

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: MW-13-021925
Lab Sample ID: 410-209941-9

Matrix: Water
Lab File ID: 25MAR10N-20.d

Analysis Method: 1633
Date Collected: 02/19/2025 10:32

Extraction Method: 1633
Date Extracted: 03/06/2025 08:30

Sample wt/vol: 140.4(mL)
Date Analyzed: 03/11/2025 00:02

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 615077
Units: ng/L

Preparation Batch No.: 613587
Instrument ID: 30570

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
24448-09-7	2-(N-methylperfluoro-1-octanesulfonamido) ethanol	ND		8.9	2.2
1691-99-2	2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	ND		8.9	2.2
13252-13-6	HFPO-DA	ND		1.8	0.67
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.45
377-73-1	Perfluoro-3-methoxypropanoic acid	ND		1.8	0.45
863090-89-5	Perfluoro(4-methoxybutanoic acid)	ND		1.8	0.45
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid	ND		1.8	0.45
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND	cn	1.8	0.45
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		1.8	0.45
113507-82-7	PFEESA	ND		1.8	0.45
356-02-5	3:3 FTCA	ND		3.6	0.89
914637-49-3	5:3 FTCA	ND		8.9	2.5
812-70-4	7:3 FTCA	ND		8.9	2.2

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Client Sample ID: MW-13-021925 Lab Sample ID: 410-209941-9

Matrix: Water Lab File ID: 25MAR10N-20.d

Analysis Method: 1633 Date Collected: 02/19/2025 10:32

Extraction Method: 1633 Date Extracted: 03/06/2025 08:30

Sample wt/vol: 140.4(mL) Date Analyzed: 03/11/2025 00:02

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 7(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 615077 Units: ng/L

Preparation Batch No.: 613587 Instrument ID: 30570

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	91.4		5-130
STL01893	13C5 PFPeA	105		40-130
STL02577	13C5 PFHxA	95.8		40-130
STL01892	13C4 PFHpA	96.6		40-130
STL01052	13C8 PFOA	94.3		40-130
STL02578	13C9 PFNA	103		40-130
STL02579	13C6 PFDA	104		40-130
STL02580	13C7 PFUnA	128	cn	30-130
STL02116	13C2 PFTeDA	100		10-130
STL02337	13C3 PFBS	92.6		40-135
STL02581	13C3 PFHxS	91.7		40-130
STL01054	13C8 PFOS	93.4		40-130
STL01056	13C8 FOSA	87.6		40-130
STL02118	d3-NMeFOSAA	93.4		40-170
STL02117	d5-NEtFOSAA	124		25-135
STL02395	M2-4:2 FTS	112		40-200
STL02279	M2-6:2 FTS	104		40-200
STL02280	M2-8:2 FTS	101		40-300
STL02255	13C3 HFPO-DA	85.7		40-130
STL02277	d7-N-MeFOSE-M	79.2		10-130
STL02278	d9-N-EtFOSE-M	77.9		10-130
STL02704	d5-NEtPFOSA	71.7		10-130
STL02705	d3-NMePFOSA	75.8		10-130
STL00998	13C2 PFDoA	106	cn	10-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30570\20250310-140389.b\25MAR10N-20.d
Lims ID: 410-209941-A-9-C
Client ID: MW-13-021925
Sample Type: Client
Inject. Date: 11-Mar-2025 00:02:15 ALS Bottle#: 30 Worklist Smp#: 14
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: 410-209941-A-9-C
Misc. Info.: Plate: 1 Rack: 1 410-0140389-014
Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570

Method: \\chromfs\Lancaster\ChromData\30570\20250310-140389.b\30570-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 11-Mar-2025 17:00:44 Calib Date: 06-Mar-2025 20:48:33
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\25MAR06CAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1612

First Level Reviewer: RPU6 Date: 11-Mar-2025 16:58:08
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
5 PFBA										
212.80 > 168.90	4.114	4.141	-0.027	1.000	201902	0.2295			904	
D 3 13C4-PFBA										
216.80 > 171.90	4.114	4.141	-0.027	0.998	1875589	1.83		91.4	74312	
* 4 13C3PFBA										
216.00 > 172.00	4.121	4.141	-0.020		1910298	2.00			2813	
D 8 13C5 PFPeA										
268.30 > 223.00	4.756	4.783	-0.027	0.910	1536009	2.11		105	104252	
9 PFPA										
263.00 > 219.00	4.756	4.783	-0.027	1.000	299762	0.3070			1905	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.040	5.075	-0.035	0.800	830944	5.27		112	10067	
* 16 13C2 PFHxA										
315.10 > 270.00	5.226	5.255	-0.029		3642184	5.00			126952	
D 15 13C5 PFHxA										
318.00 > 273.00	5.226	5.255	-0.029	1.000	1877127	1.92		95.8	98518	
17 PFHxA										
313.00 > 269.00	5.226	5.266	-0.040	1.000	223229	0.2898	Target=11.59		1213	
313.00 > 118.90	5.226	5.266	-0.040	1.000	19087		11.70(5.80-17.39)		1329	
D 20 13C3 PFBS										
302.10 > 79.90	5.368	5.401	-0.033	0.852	1329469	1.73		92.6	41778	
19 PFBS										
298.70 > 79.90	5.368	5.411	-0.043	1.000	51719	0.0809	Target=2.92		1271	
298.70 > 98.80	5.368	5.411	-0.043	1.000	16764		3.09(1.46-4.37)		1263	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.422	5.448	-0.026	1.038	1521919	1.71		85.7	80803	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
28 PFHpA										
363.10 > 319.00	5.660	5.700	-0.040	1.000	129152	0.1973	Target=1.91		817	
363.10 > 169.00	5.660	5.700	-0.040	1.000	72373		1.78(0.96-2.87)		1099	
D 27 13C4 PFHpA										
367.10 > 322.00	5.660	5.700	-0.040	1.083	1792538	1.93		96.6	122269	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.863	5.900	-0.037	0.930	653984	4.97		104	36375	
D 34 13C8 PFOA										
421.10 > 376.00	6.068	6.118	-0.050	0.999	2083295	1.89		94.3	120842	
* 35 13C4 PFOA										
417.10 > 372.00	6.077	6.118	-0.041		5566110	5.00			14917	
36 PFOA										
413.00 > 369.00	6.068	6.127	-0.059	1.000	460829	0.7450	Target=1.59		159523	
413.00 > 169.00	6.068	6.127	-0.059	1.000	307565		1.50(0.79-2.38)		405	
40 PFHxS										
398.70 > 79.90	6.303	6.356	-0.053	1.000	26601	0.0542	Target=3.42		89.0	
398.70 > 98.90	6.293	6.356	-0.063	0.999	6800		3.91(1.71-5.12)		13.1	
D 39 13C3 PFHxS										
402.10 > 79.90	6.303	6.356	-0.053	1.000	1033090	1.74		91.7	75467	
* 38 18O2 PFHxS										
403.00 > 83.90	6.303	6.356	-0.053		1162284	1.89			84787	
* 41 13C5 PFNA										
468.00 > 423.00	6.480	6.535	-0.055		1829016	2.00			131029	
43 PFNA										
463.00 > 419.00	6.480	6.535	-0.055	1.000	126846	0.1558	Target=2.53		36069	
463.00 > 219.00	6.480	6.535	-0.055	1.000	36247		3.50(1.26-3.79)		45.0	
D 42 13C9 PFNA										
472.10 > 427.00	6.480	6.535	-0.055	1.000	1852244	2.07		103	130131	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.669	6.712	-0.043	1.058	537877	4.85		101	28840	
47 PFHpS										
449.00 > 79.90	6.742	6.796	-0.054	0.942	7738	0.0141	Target=3.85		274	
449.00 > 98.80	6.732	6.796	-0.064	0.941	2593		2.98(1.92-5.77)		185	
D 48 d3-NMeFOSAA										
573.20 > 419.00	6.825	6.873	-0.047	0.954	1353228	4.67		93.4	71666	
* 50 13C2 PFDA										
515.10 > 470.10	6.892	6.947	-0.055		1641776	2.00			85287	
D 51 13C6 PFDA										
519.10 > 474.10	6.892	6.947	-0.055	1.000	1746070	2.08		104	90809	
52 PFDA										
512.90 > 469.00	6.892	6.947	-0.055	1.000	17277	0.0272	Target=3.96		1094	
512.90 > 219.00	6.892	6.947	-0.055	1.000	4389		3.94(1.98-5.94)		292	
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.013	7.060	-0.047	0.980	1518100	6.20		124	103462	
D 56 13C8 PFOS										
507.10 > 79.90	7.154	7.222	-0.068	1.000	810361	1.79		93.4	54983	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 57 13C4 PFOS										
502.80 > 79.90	7.154	7.222	-0.068		865411	1.91			59486	
58 PFOS										
498.90 > 79.90	7.154	7.231	-0.077	1.000	972024	1.57	Target=4.24		118039	
498.90 > 98.80	7.154	7.231	-0.077	1.000	210650		4.61(2.12-6.36)		687	
D 59 13C7 PFUnA										
570.00 > 525.10	7.297	7.360	-0.063	1.059	2241619	2.57		128	116552	
D 81 13C2 PFDoA										
615.10 > 570.00	7.712	7.777	-0.065	1.119	1588245	2.11		106	85845	
D 65 13C8 FOSA										
506.10 > 77.80	7.917	7.941	-0.024	1.107	850013	1.75		87.6	45895	
D 69 13C2 PFTeDA										
715.20 > 670.00	8.517	8.602	-0.085	1.236	1069613	2.01		100	62975	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.781	8.781	0.0	1.227	275531	3.96		79.2	6119	
D 74 d3-NMePFOSA										
515.00 > 219.00	8.905	8.905	0.0	1.245	242121	1.52		75.8	13431	
D 76 d9-N-EtFOSE										
639.20 > 58.90	9.025	9.025	0.0	1.261	340850	3.90		77.9	9779	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.123	9.123	0.0	1.275	313610	1.43		71.7	19549	

QC Flag Legend

Processing Flags

Reagents:

1633_125_IS_V_00234 Amount Added: 50.00 Units: uL Run Reagent

Report Date: 11-Mar-2025 17:00:56 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30570\20250310-140389.b\25MAR10N-20.d

Injection Date: 11-Mar-2025 00:02:15 Instrument ID: 30570

Lims ID: 410-209941-A-9-C Lab Sample ID: 410-209941-9

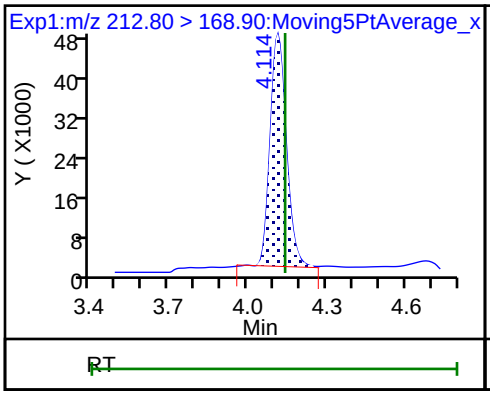
Client ID: MW-13-021925

Operator ID: ETUS023_USR_INS00003 ALS Bottle#: 30 Worklist Smp#: 14

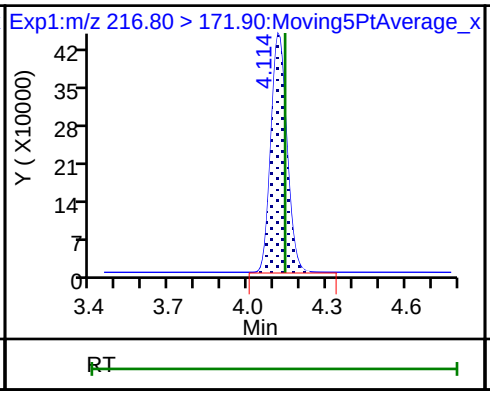
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 30570-1633-125ml Limit Group: LC - 1633 LVI- ICAL

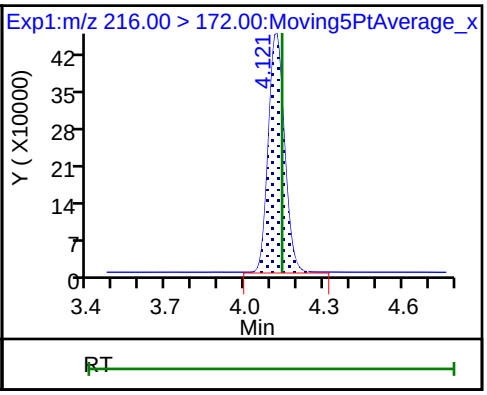
5 PFBA



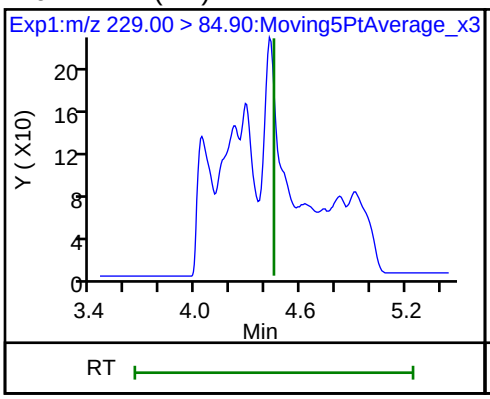
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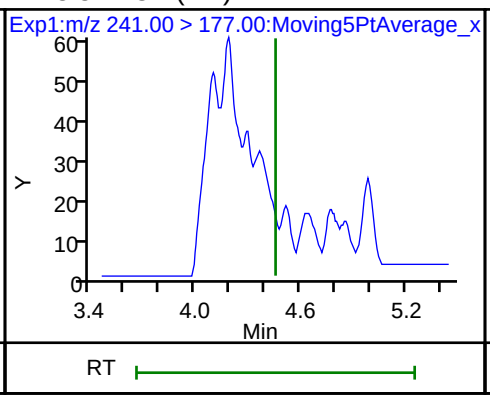
* 4 13C3PFBA



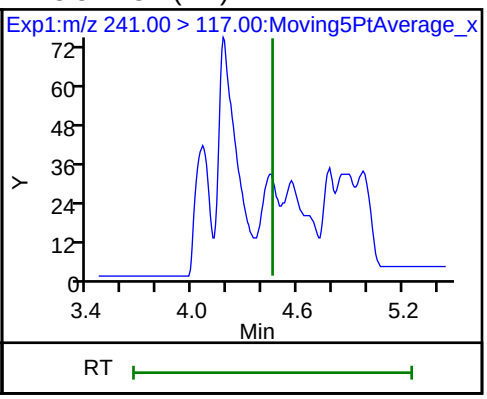
6 PFMPA (ND)



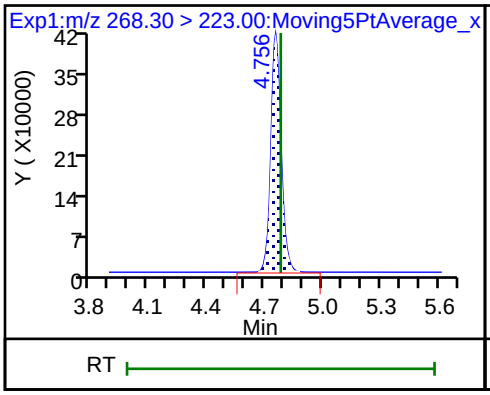
7 3:3 FTCA (ND)



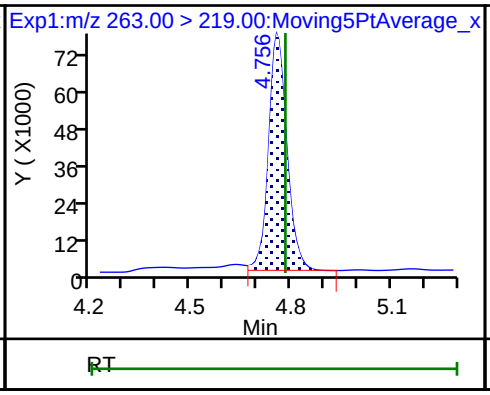
7 3:3 FTCA (ND)



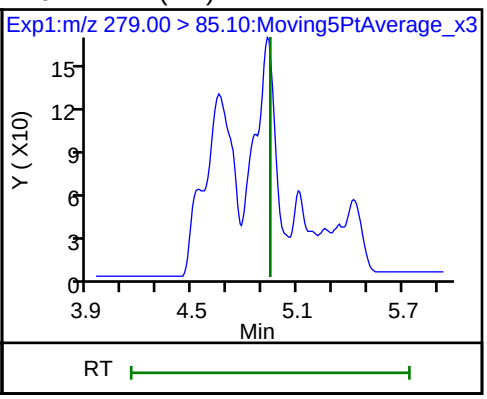
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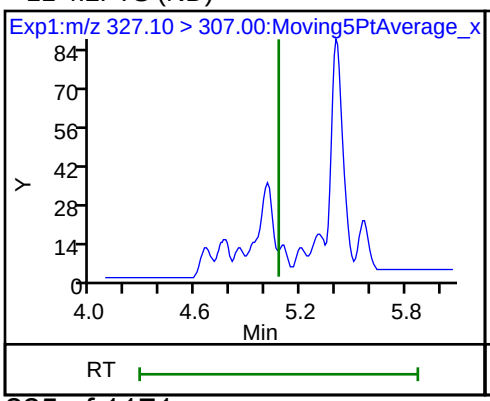
9 PFPA



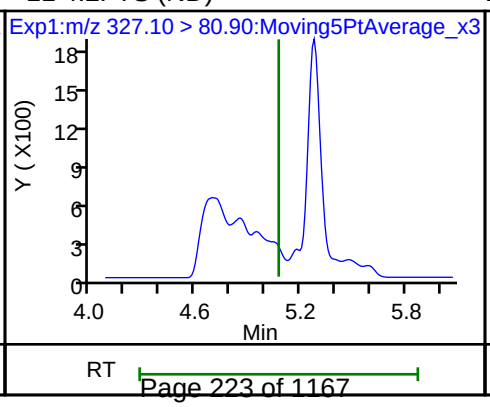
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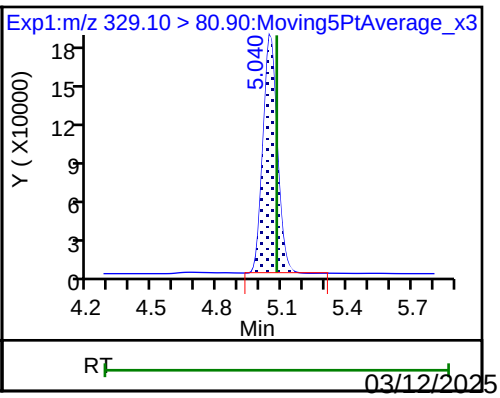
11 4:2FTS (ND)



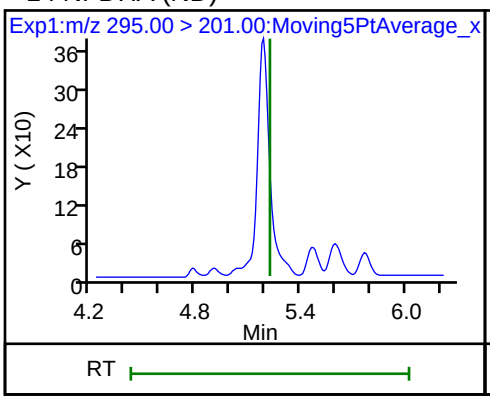
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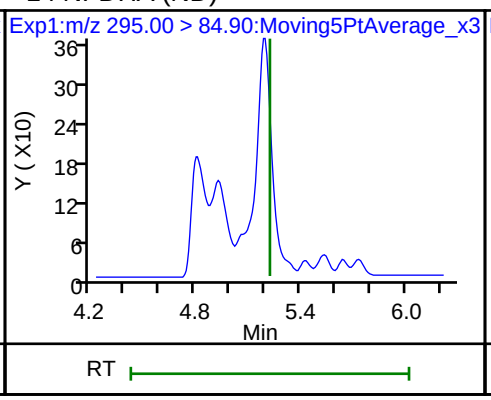
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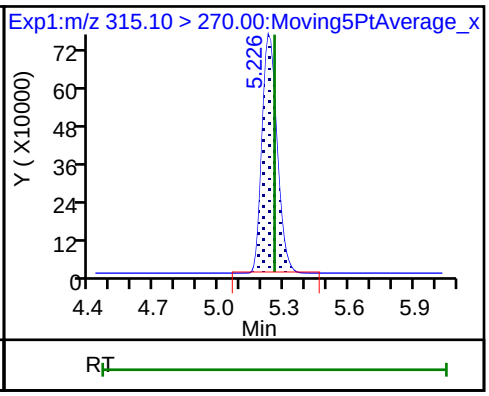
14 NFDHA (ND)



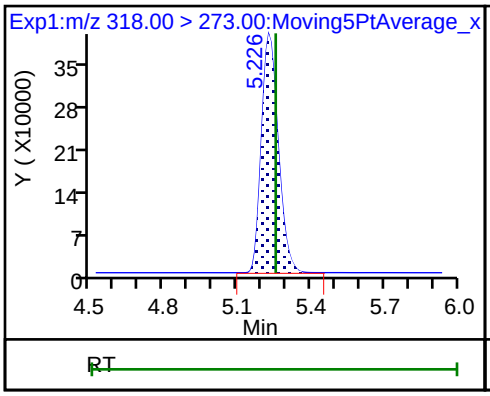
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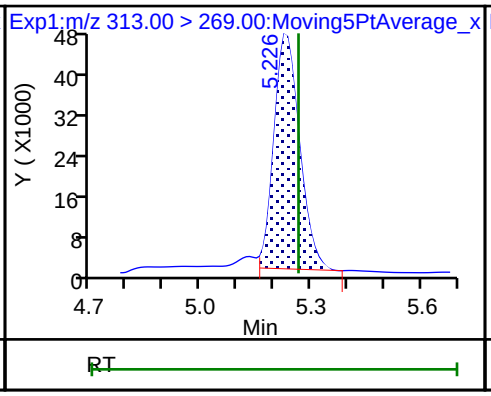
* 16 13C2 PFHxA



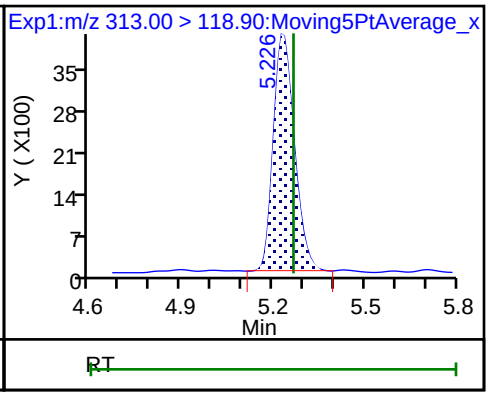
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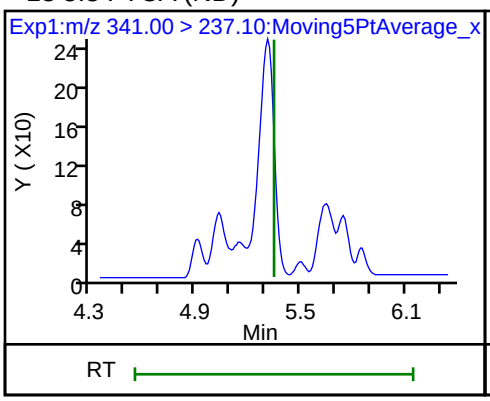
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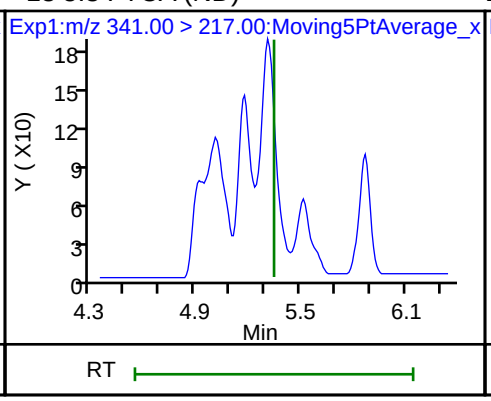
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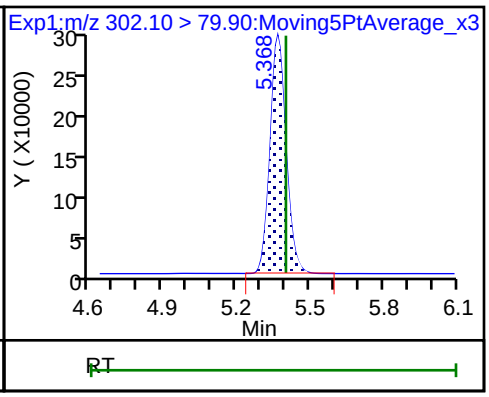
18 5:3 FTCA (ND)



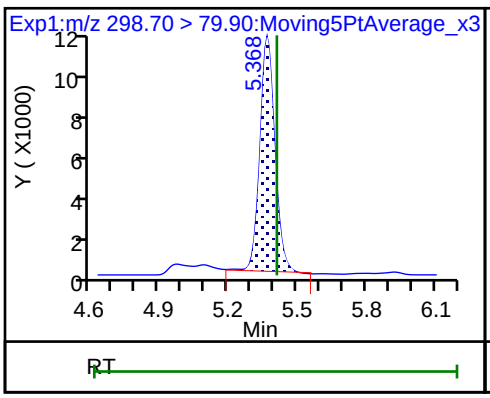
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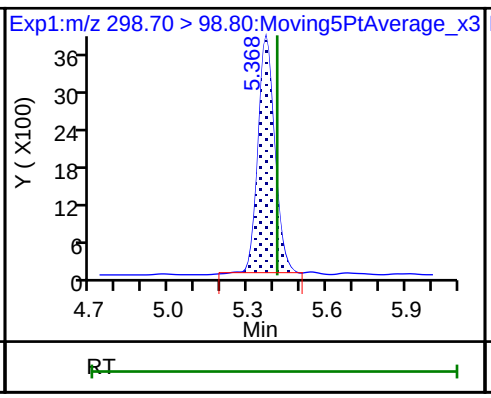
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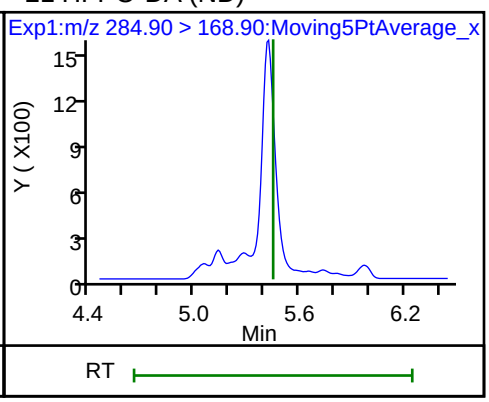
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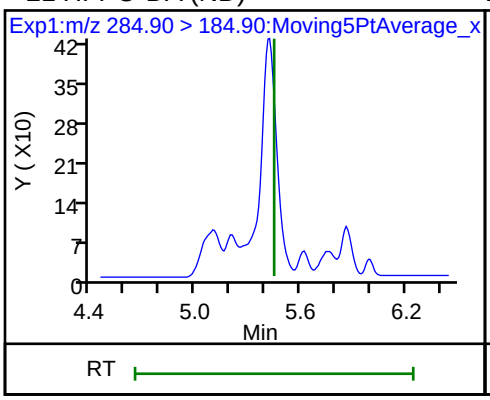
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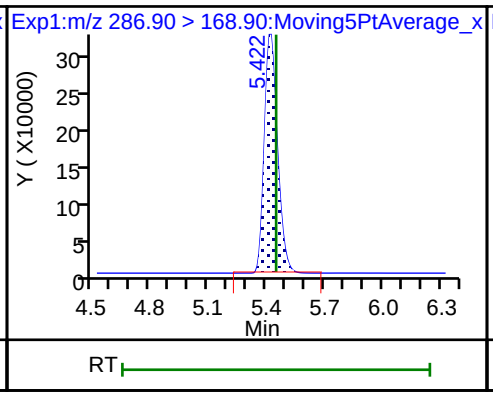
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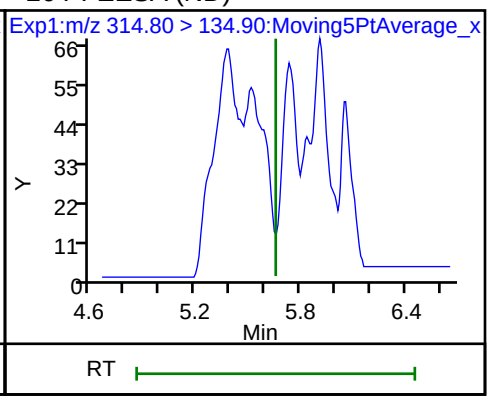
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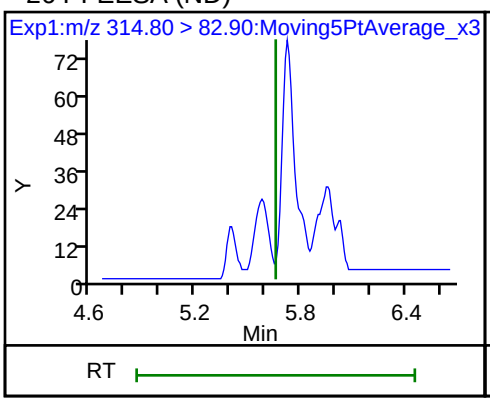
D 22 13C3 HFPO-DA



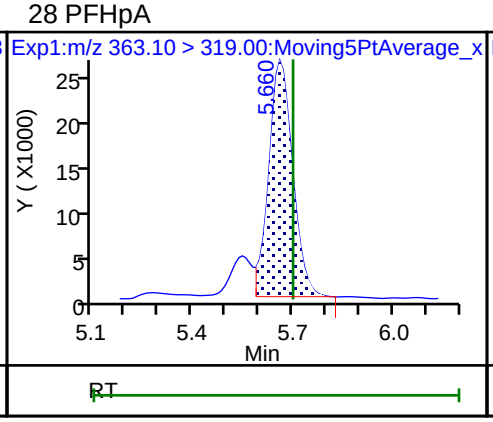
26 PFEESA (ND)



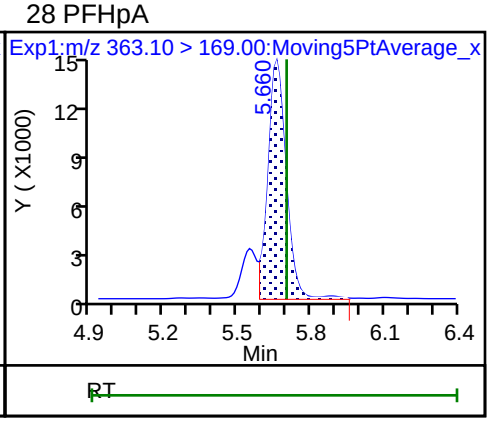
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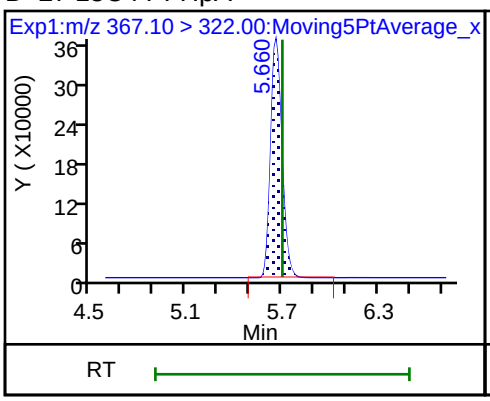
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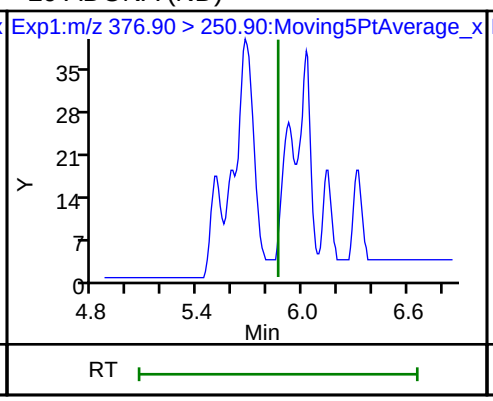
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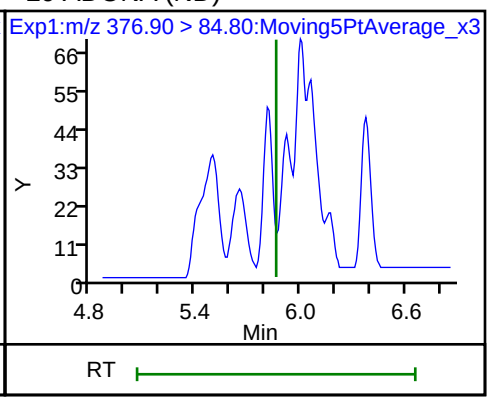
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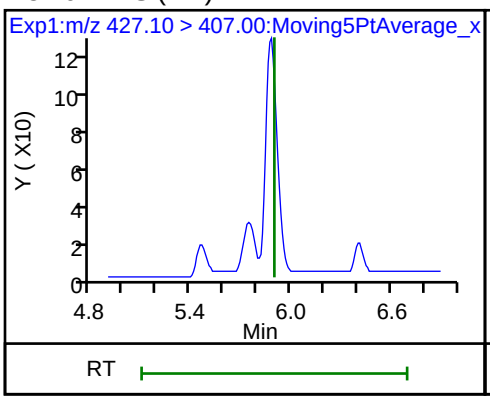
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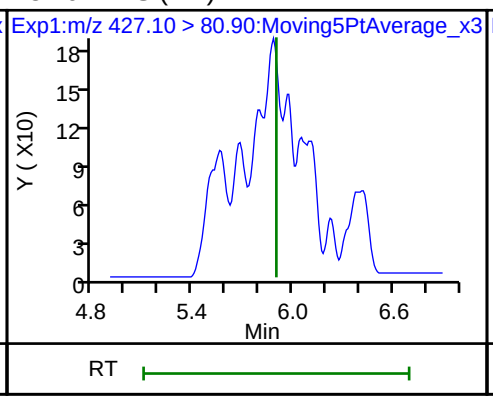
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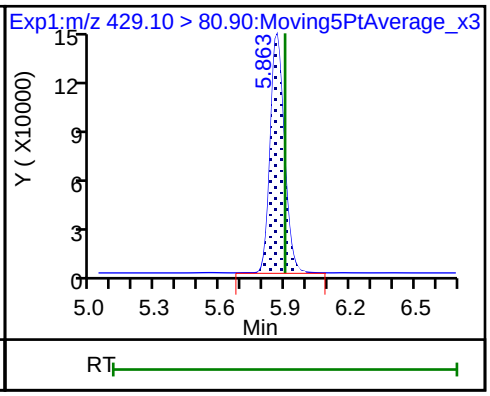
31 6:2FTS (ND)



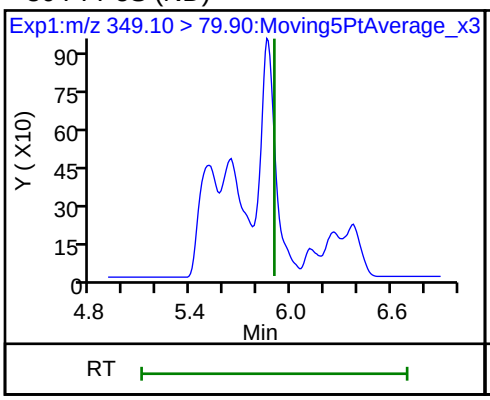
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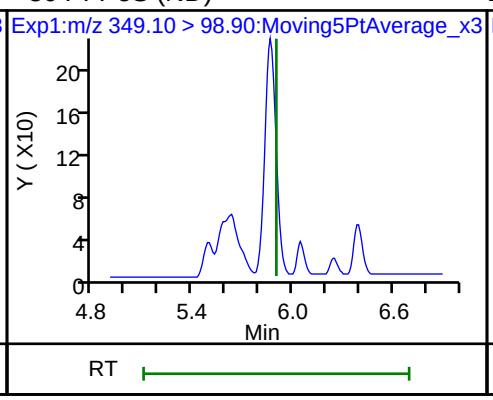
D 32 13C2-6:2FTS



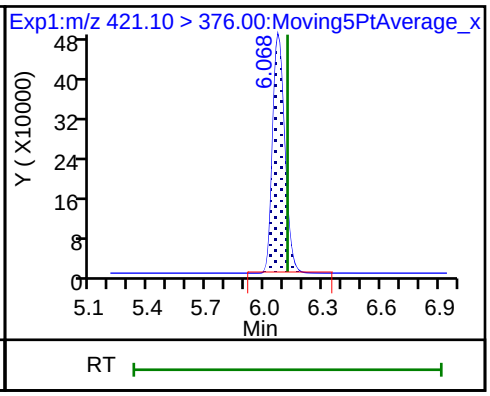
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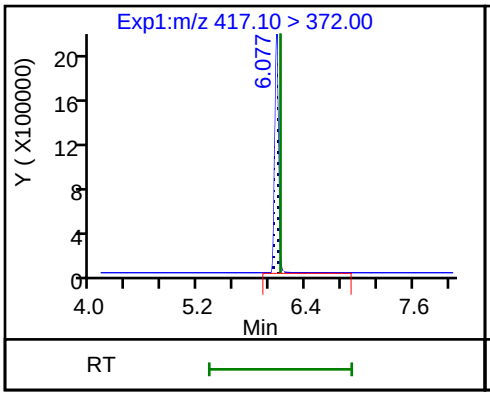
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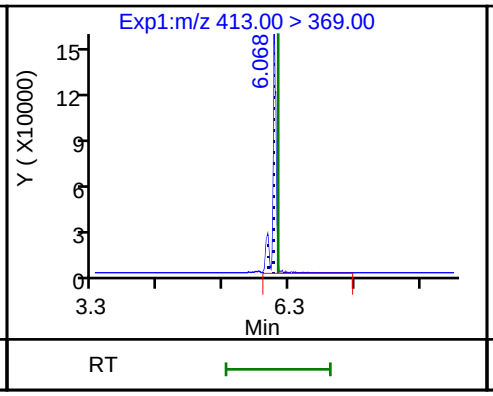
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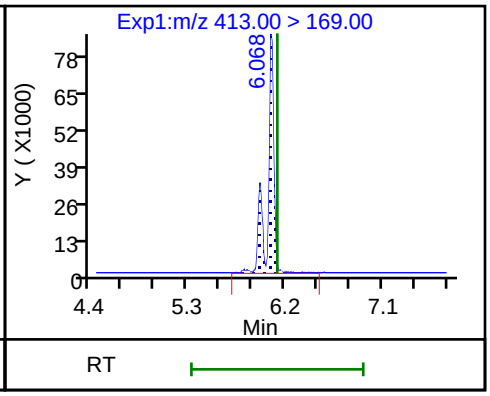
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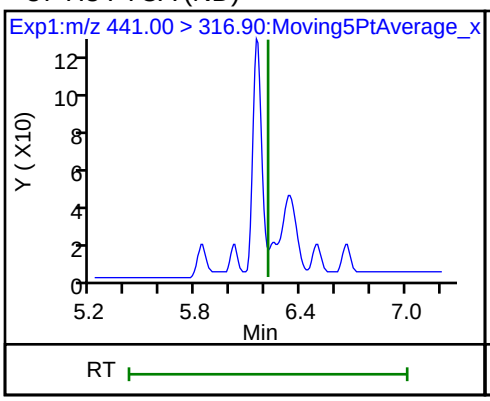
36 PFOA



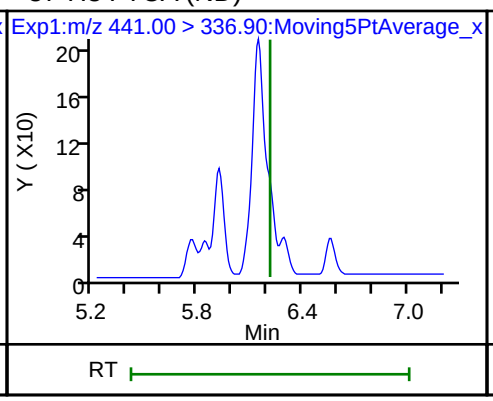
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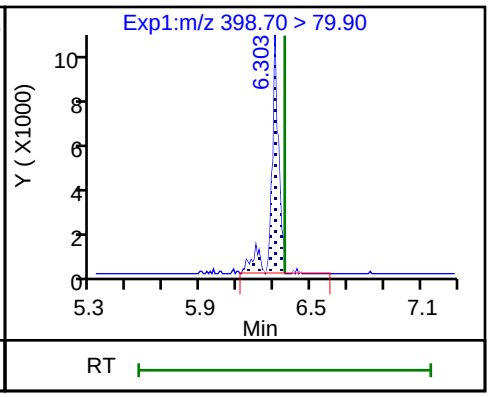
37 7:3 FTCA (ND)



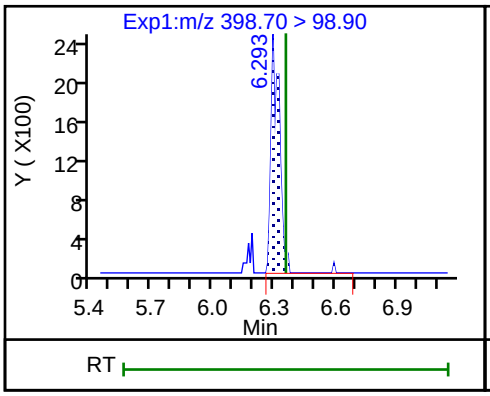
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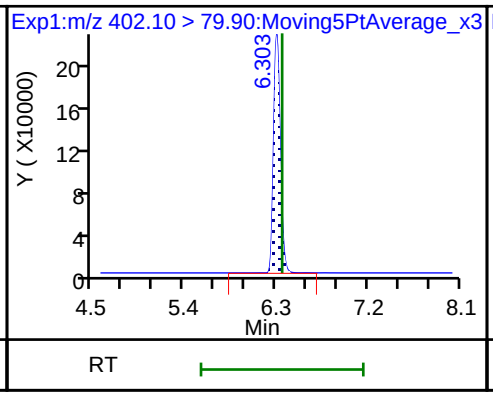
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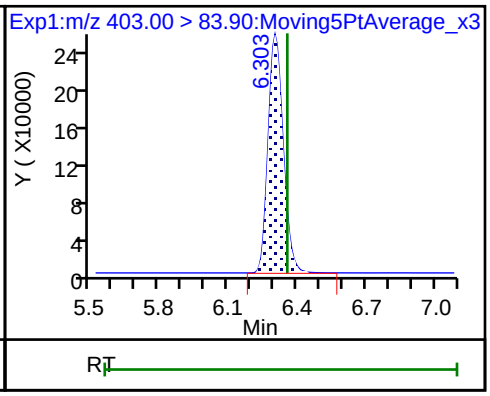
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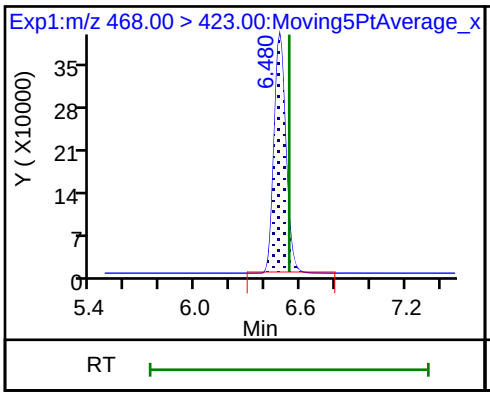
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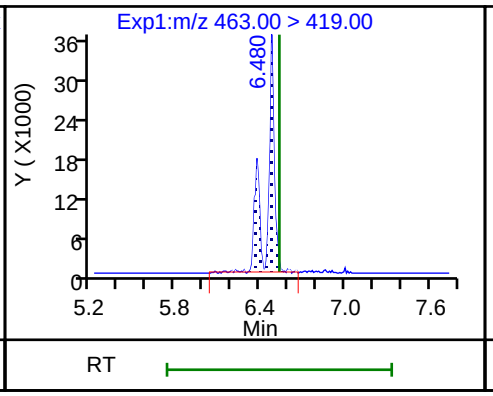
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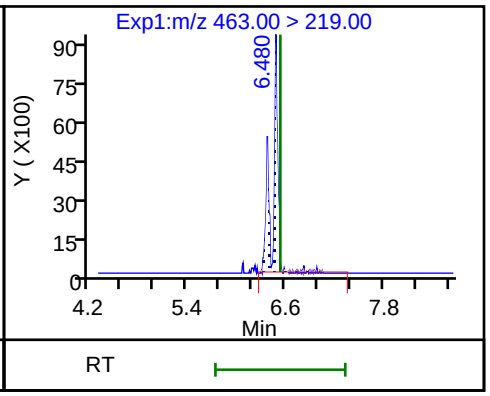
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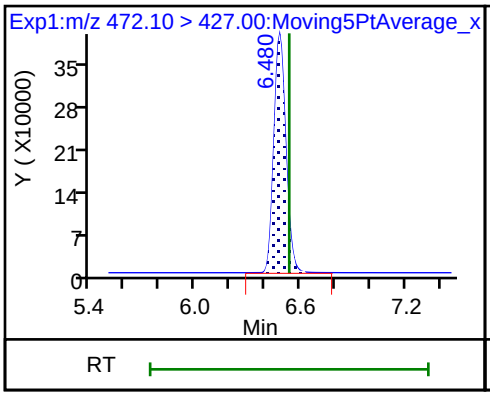
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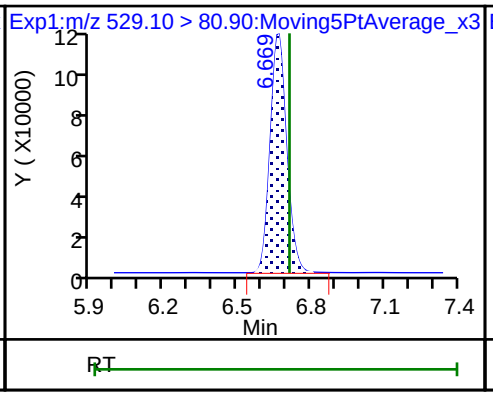
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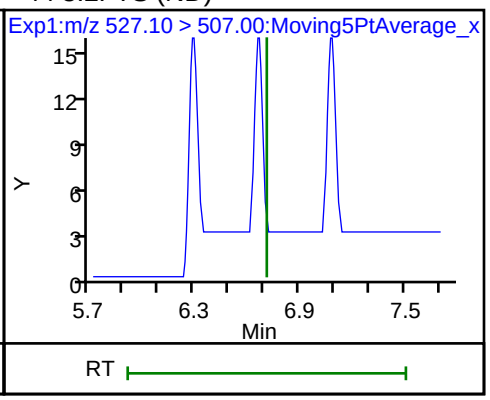
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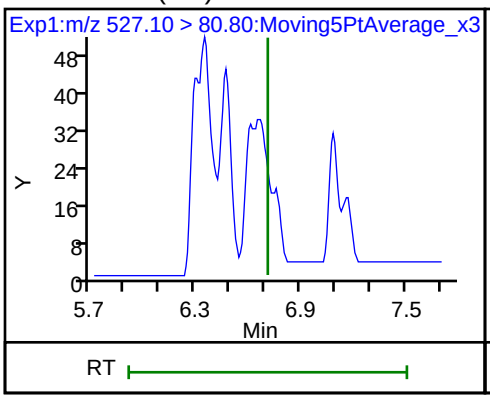
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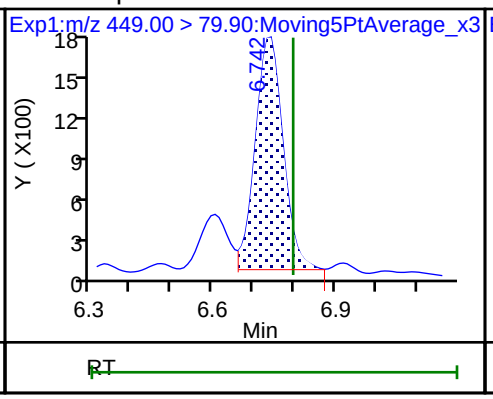
44 8:2FTS (ND)



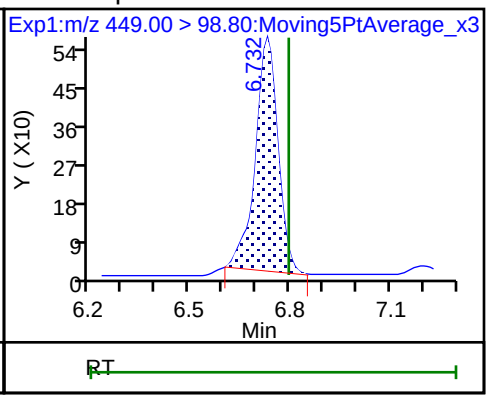
44 8:2FTS (ND)



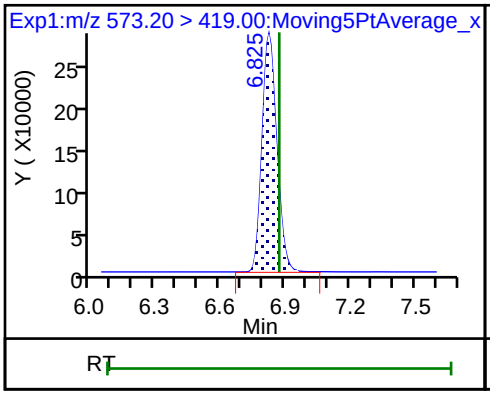
47 PFHpS



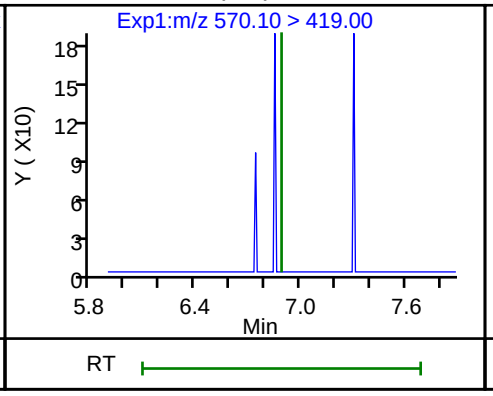
47 PFHpS



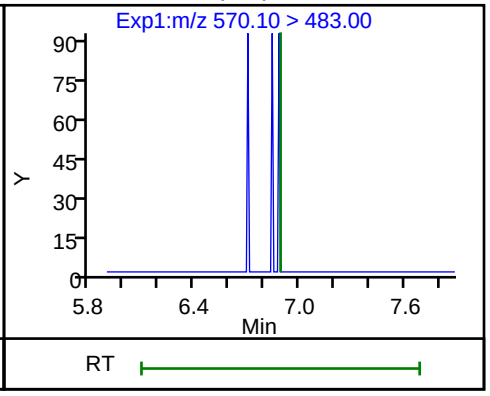
D 48 d3-NMeFOSAA



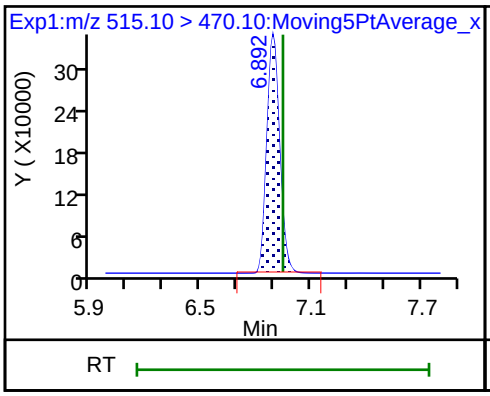
49 NMeFOSAA (ND)



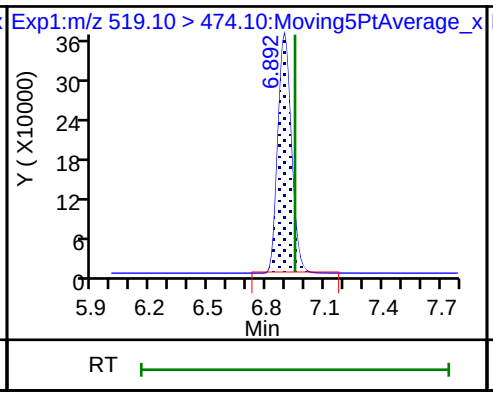
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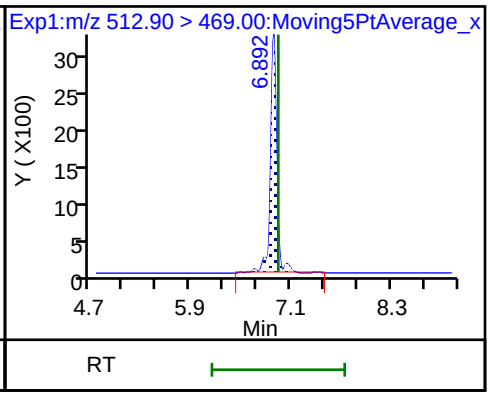
* 50 13C2 PFDA



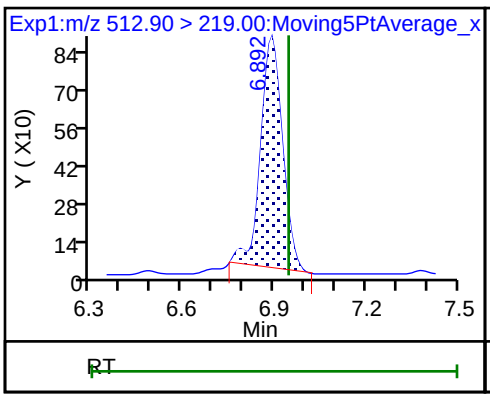
D 51 13C6 PFDA



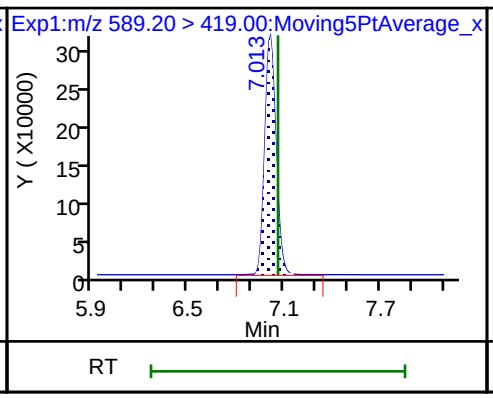
52 PFDA



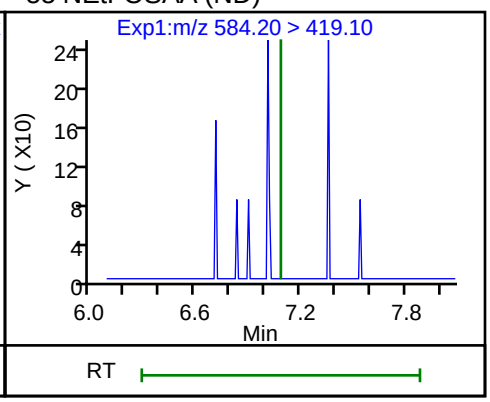
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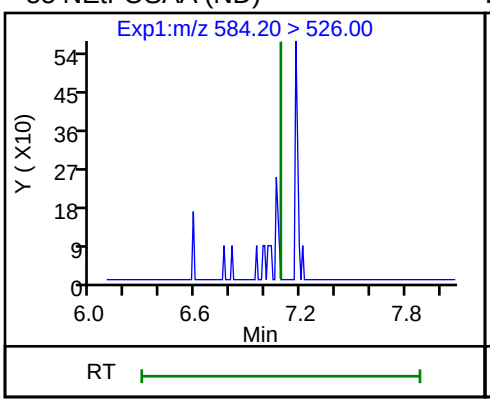
D 54 d5-NEtFOSAA



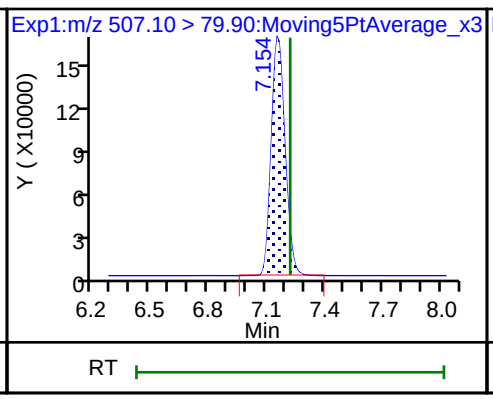
55 NEtFOSAA (ND)



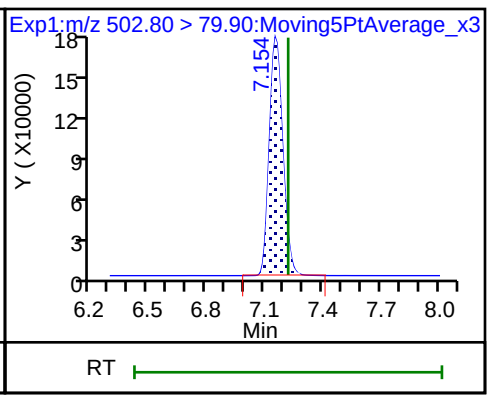
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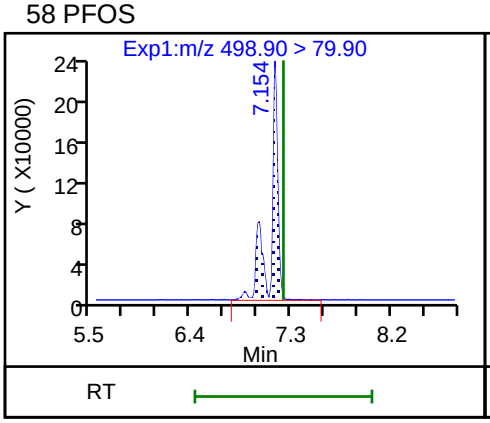
D 56 13C8 PFOS



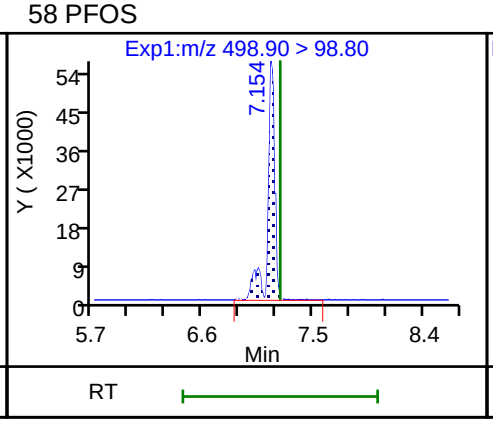
* 57 13C4 PFOS



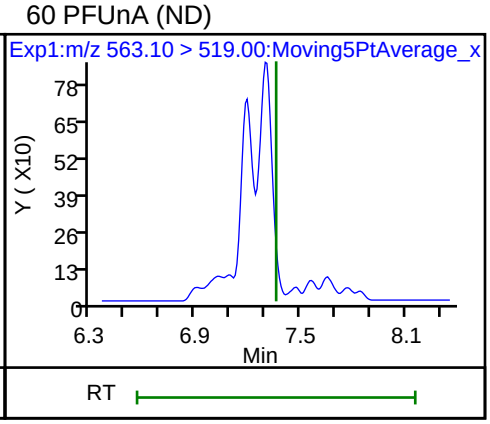
58 PFOS



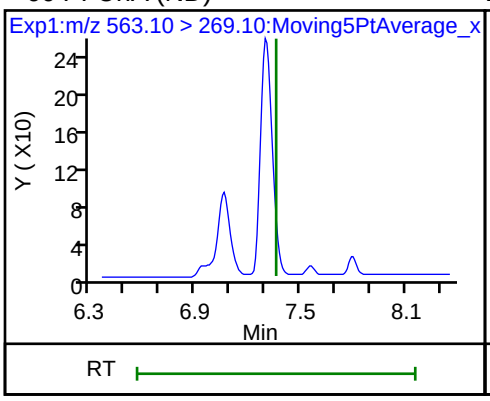
58 PFOS



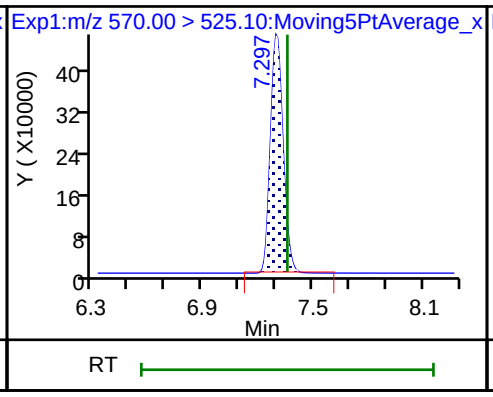
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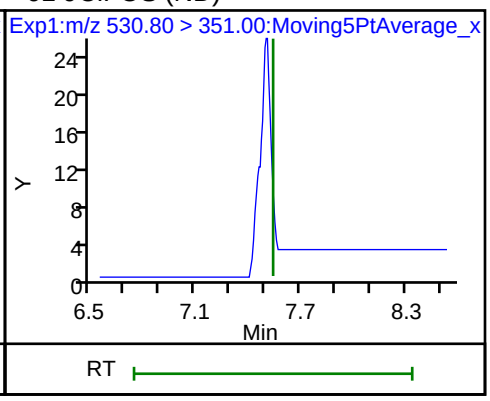
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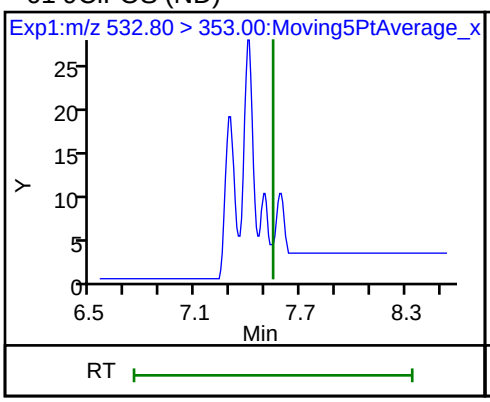
D 59 13C7 PFUnA



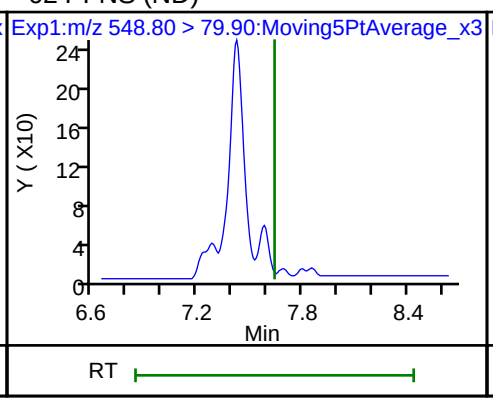
61 9ClFOS (ND)



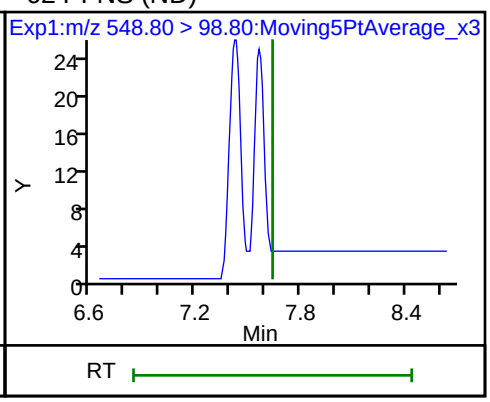
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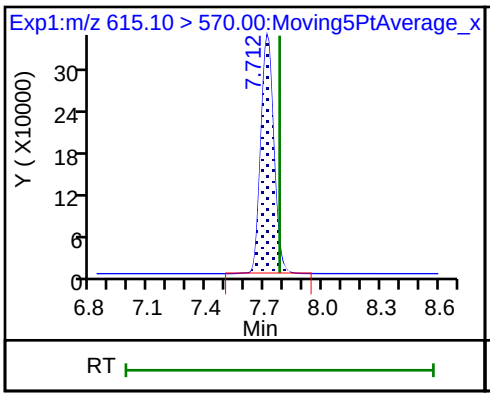
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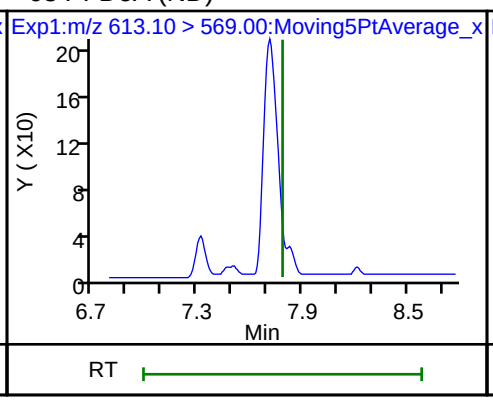
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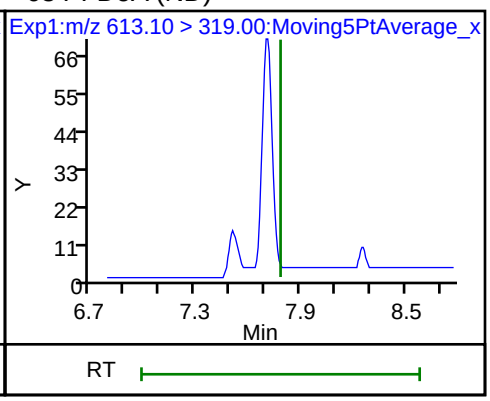
D 81 13C2 PFDoA



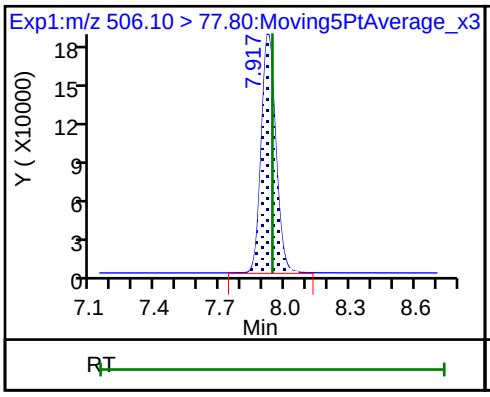
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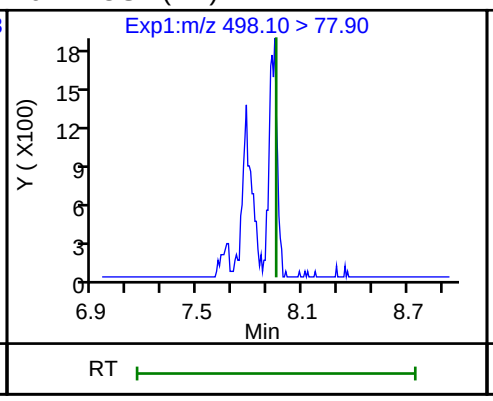
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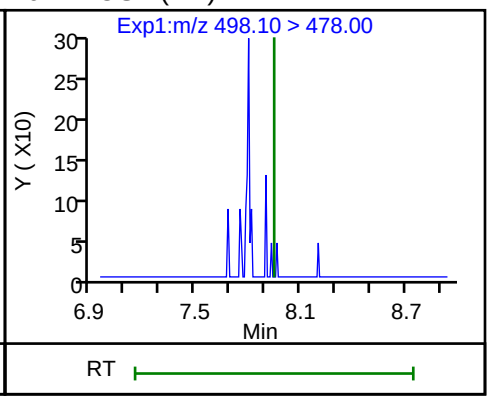
D 65 13C8 FOSA



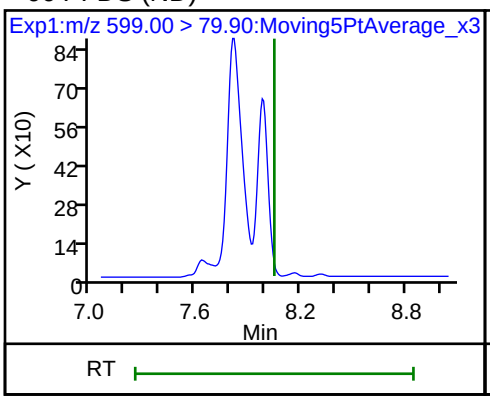
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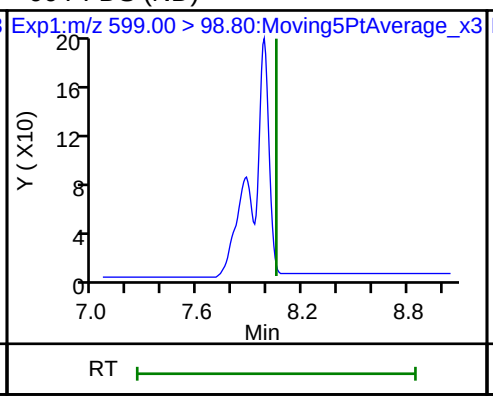
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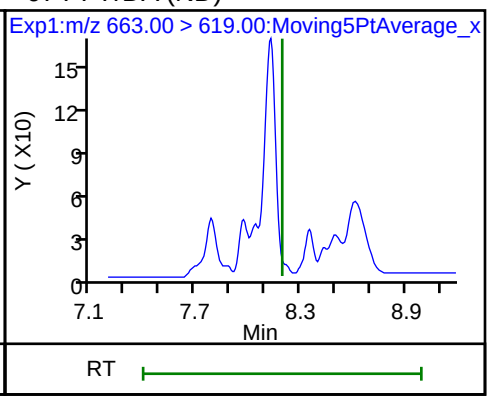
66 PFDS (ND)



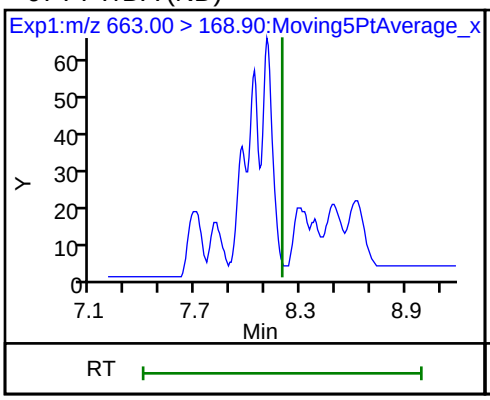
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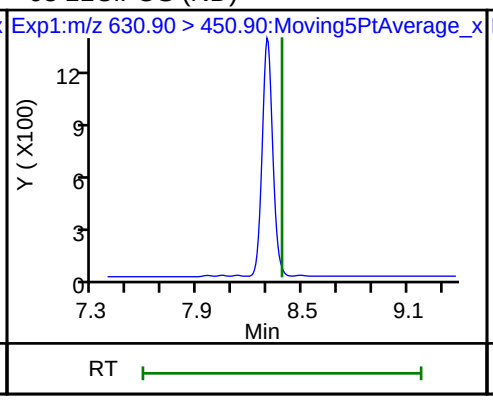
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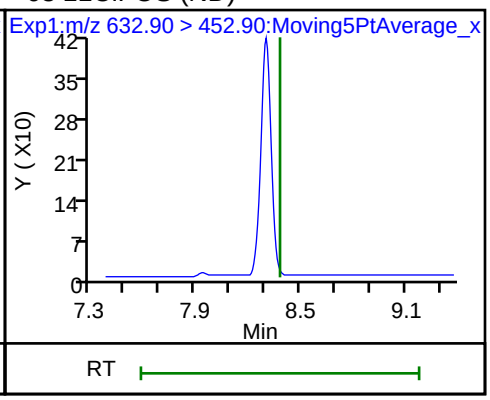
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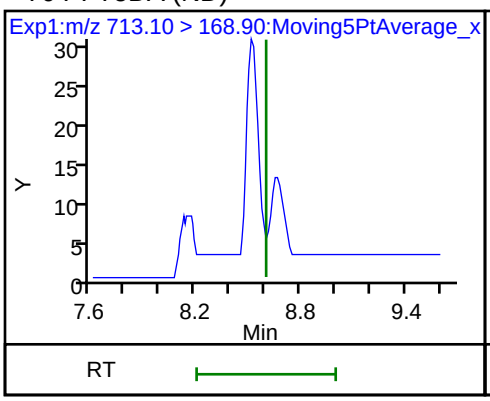
68 11ClFOS (ND)



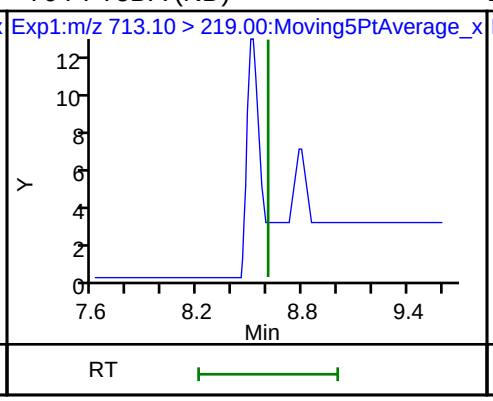
68 11ClFOS (ND)



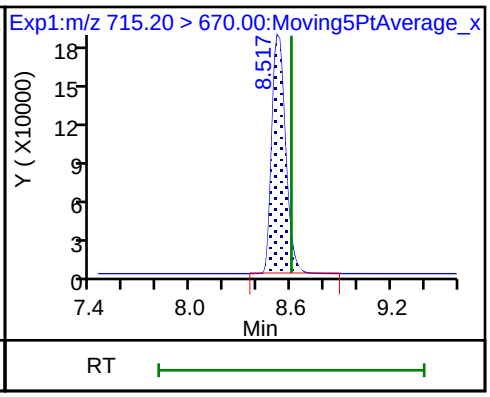
70 PFTeDA (ND)



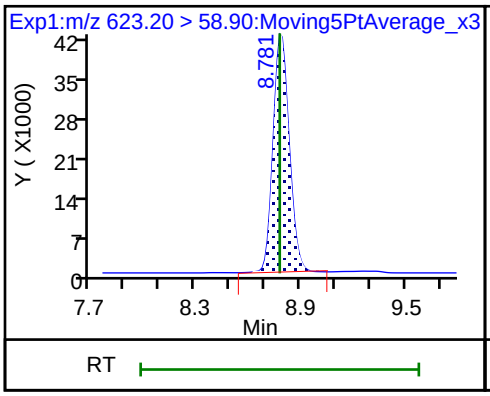
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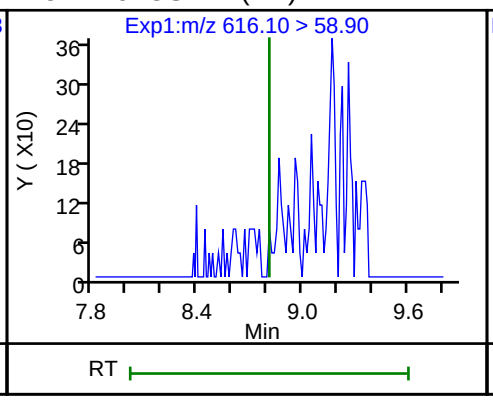
D 69 13C2 PFTeDA



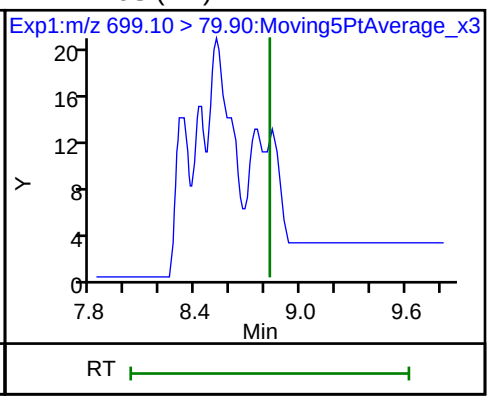
D 72 d7-N-Me-FOSE



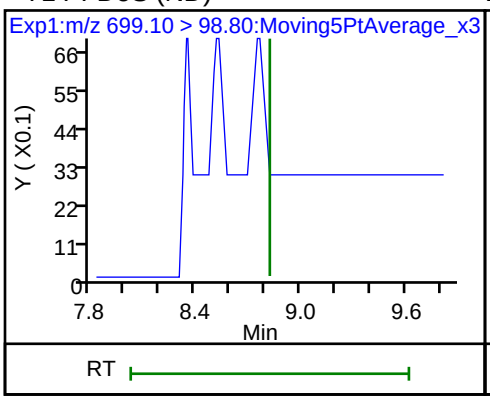
73 N-MeFOSE-M (ND)



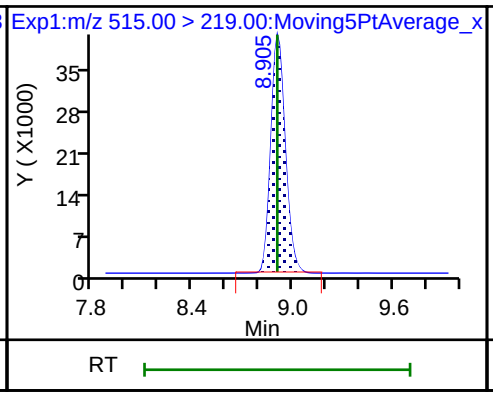
71 PFDoS (ND)



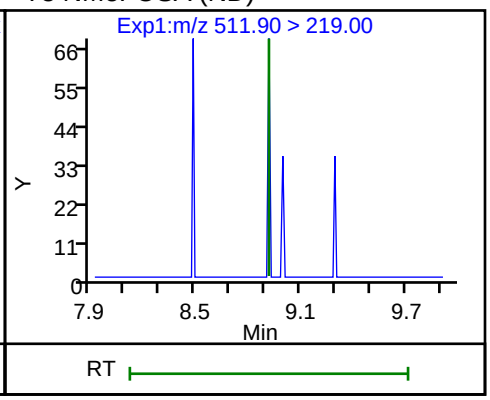
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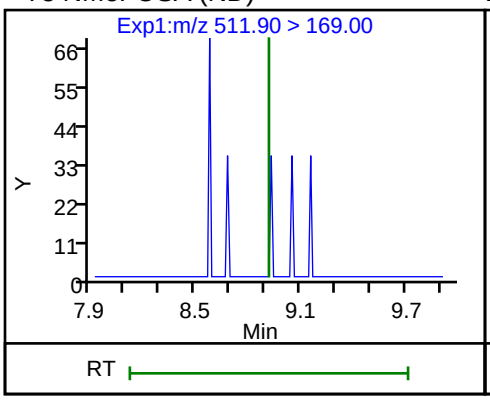
D 74 d3-NMePFOSA



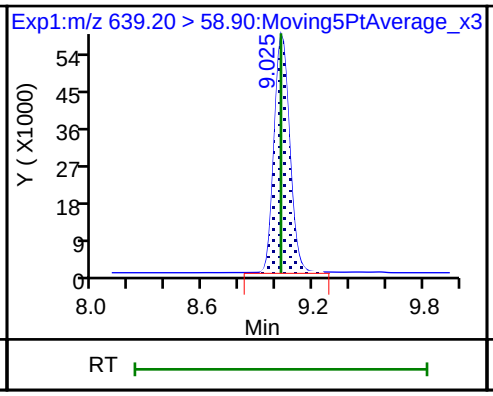
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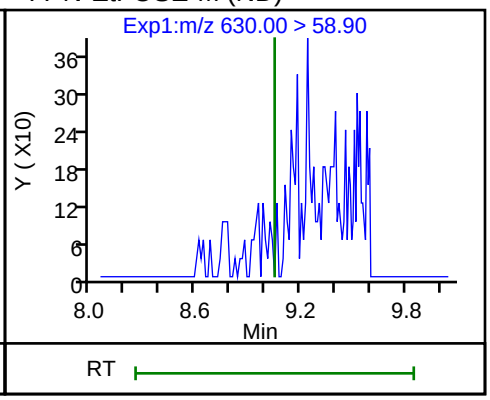
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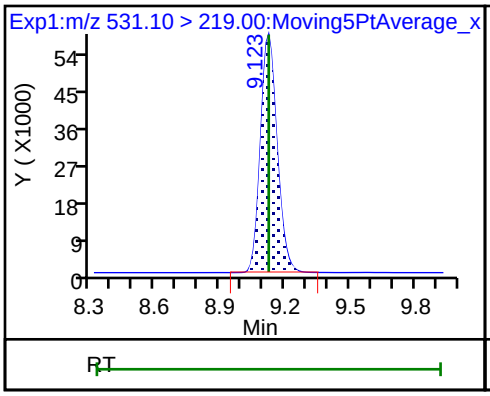
D 76 d9-N-EtFOSE



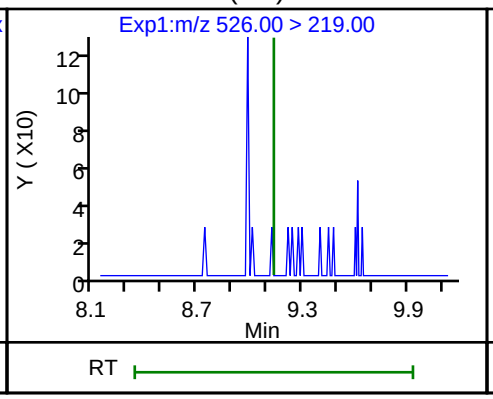
77 N-EtFOSE-M (ND)



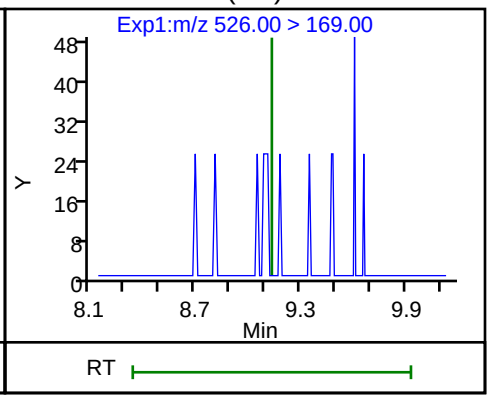
D 78 d5-NEtPFOSA



79 N-EtFOSA-M (ND)



79 N-EtFOSA-M (ND)



FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: MW-30S-021325
Lab Sample ID: 410-209941-10

Matrix: Water
Lab File ID: 25MAR06-45.d

Analysis Method: 1633
Date Collected: 02/13/2025 16:05

Extraction Method: 1633
Date Extracted: 03/06/2025 08:30

Sample wt/vol: 139.7(mL)
Date Analyzed: 03/07/2025 04:06

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture:
% Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613851
Units: ng/L

Preparation Batch No.: 613587
Instrument ID: 30729

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	4.9		3.6	0.98
2706-90-3	Perfluoropentanoic acid	3.9		1.8	0.54
307-24-4	Perfluorohexanoic acid	4.5		1.8	0.45
375-85-9	Perfluoroheptanoic acid	2.7		1.8	0.72
335-67-1	Perfluorooctanoic acid	11		1.8	0.81
375-95-1	Perfluorononanoic acid	4.9		1.8	0.45
335-76-2	Perfluorodecanoic acid	ND		1.8	0.45
2058-94-8	Perfluoroundecanoic acid	ND		1.8	0.45
307-55-1	Perfluorododecanoic acid	ND		1.8	0.45
72629-94-8	Perfluorotridecanoic acid	ND		1.8	0.45
376-06-7	Perfluorotetradecanoic acid	ND		1.8	0.45
375-73-5	Perfluorobutanesulfonic acid	2.9		1.8	0.45
2706-91-4	Perfluoropentanesulfonic acid	ND		1.8	0.45
355-46-4	Perfluorohexanesulfonic acid	1.7	J	1.8	0.72
375-92-8	Perfluoroheptanesulfonic acid	ND		1.8	0.45
1763-23-1	Perfluorooctanesulfonic acid	7.1		1.8	0.45
68259-12-1	Perfluorononanesulfonic acid	ND		1.8	0.45
335-77-3	Perfluorodecanesulfonic acid	ND		1.8	0.45
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.54
757124-72-4	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		3.6	0.89
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		3.6	0.89
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		3.6	0.89
754-91-6	Perfluorooctanesulfonamide	ND		1.8	0.45
31506-32-8	NMeFOSA	ND		1.8	0.45
4151-50-2	N-ethylperfluoro-1-octanesulfonamide	ND		1.8	0.45
2355-31-9	NMeFOSAA	ND		1.8	0.45
2991-50-6	NEtFOSAA	ND		1.8	0.45

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: MW-30S-021325
Lab Sample ID: 410-209941-10

Matrix: Water
Lab File ID: 25MAR06-45.d

Analysis Method: 1633
Date Collected: 02/13/2025 16:05

Extraction Method: 1633
Date Extracted: 03/06/2025 08:30

Sample wt/vol: 139.7(mL)
Date Analyzed: 03/07/2025 04:06

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613851
Units: ng/L

Preparation Batch No.: 613587
Instrument ID: 30729

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
24448-09-7	2-(N-methylperfluoro-1-octanesulfonamido) ethanol	ND		8.9	2.2
1691-99-2	2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	ND		8.9	2.2
13252-13-6	HFPO-DA	ND		1.8	0.67
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.45
377-73-1	Perfluoro-3-methoxypropanoic acid	ND		1.8	0.45
863090-89-5	Perfluoro(4-methoxybutanoic acid)	ND		1.8	0.45
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid	ND		1.8	0.45
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND	cn	1.8	0.45
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		1.8	0.45
113507-82-7	PFEESA	ND		1.8	0.45
356-02-5	3:3 FTCA	ND		3.6	0.89
914637-49-3	5:3 FTCA	ND		8.9	2.5
812-70-4	7:3 FTCA	ND		8.9	2.2

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: MW-30S-021325
Lab Sample ID: 410-209941-10

Matrix: Water
Lab File ID: 25MAR06-45.d

Analysis Method: 1633
Date Collected: 02/13/2025 16:05

Extraction Method: 1633
Date Extracted: 03/06/2025 08:30

Sample wt/vol: 139.7(mL)
Date Analyzed: 03/07/2025 04:06

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture:
% Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613851
Units: ng/L

Preparation Batch No.: 613587
Instrument ID: 30729

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	91.3		5-130
STL01893	13C5 PFPeA	92.4		40-130
STL02577	13C5 PFHxA	99.1		40-130
STL01892	13C4 PFHpA	93.4		40-130
STL01052	13C8 PFOA	94.0		40-130
STL02578	13C9 PFNA	101		40-130
STL02579	13C6 PFDA	97.2		40-130
STL02580	13C7 PFUnA	146	*5+ cn	30-130
STL02116	13C2 PFTeDA	89.4		10-130
STL02337	13C3 PFBS	88.8		40-135
STL02581	13C3 PFHxS	97.6		40-130
STL01054	13C8 PFOS	88.1		40-130
STL01056	13C8 FOSA	85.8		40-130
STL02118	d3-NMeFOSAA	76.7		40-170
STL02117	d5-NEtFOSAA	78.6		25-135
STL02395	M2-4:2 FTS	84.2		40-200
STL02279	M2-6:2 FTS	89.7		40-200
STL02280	M2-8:2 FTS	83.3		40-300
STL02255	13C3 HFPO-DA	99.3		40-130
STL02277	d7-N-MeFOSE-M	68.5		10-130
STL02278	d9-N-EtFOSE-M	65.1		10-130
STL02704	d5-NEtPFOSA	54.0		10-130
STL02705	d3-NMePFOSA	55.6		10-130
STL00998	13C2 PFDoA	126	cn	10-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR06-45.d
Lims ID: 410-209941-A-10-C
Client ID: MW-30S-021325
Sample Type: Client
Inject. Date: 07-Mar-2025 04:06:36 ALS Bottle#: 37 Worklist Smp#: 41
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: 410-209941-A-10-C
Misc. Info.: Plate: 1 Rack: 1 410-0140106-041
Operator ID: ETUS023_USR_INS00054 Instrument ID: 30729

Method: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\30729_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 10-Mar-2025 15:13:58 Calib Date: 03-Mar-2025 20:03:32
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-08.d

Column 1 : Det: EXP1
Process Host: CTX1629

First Level Reviewer: RPU6 Date: 10-Mar-2025 15:12:20
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
5 PFBA										
212.80 > 168.90	4.416	4.450	-0.034	0.998	48976	0.1383			270	
D 3 13C4-PFBA										
216.80 > 171.90	4.425	4.450	-0.025	1.000	704599	1.83		91.3	22576	
* 4 13C3PFBA										
216.00 > 172.00	4.425	4.459	-0.034		872977	2.00			195	
D 9 13C5 PFPeA										
268.30 > 223.00	5.121	5.142	-0.021	0.908	543408	1.85		92.4	33962	
10 PFPA										
263.00 > 219.00	5.121	5.142	-0.021	1.000	51338	0.1087			675	
D 12 13C2-4:2FTS										
329.10 > 80.90	5.446	5.479	-0.033	0.808	294451	3.95		84.2	5010	
D 16 13C5 PFHxA										
318.00 > 273.00	5.641	5.676	-0.035	1.000	948112	1.98		99.1	58177	
* 17 13C2 PFHxA										
315.10 > 270.00	5.641	5.676	-0.035		2058514	5.00			125216	
18 PFHxA										M
313.00 > 269.00	5.641	5.687	-0.046	1.000	58047	0.1261	Target=10.83		902	M
313.00 > 118.90	5.641	5.687	-0.046	1.000	3866		15.01(5.41-16.24)		219	
21 PFBS										
298.70 > 79.90	5.778	5.818	-0.040	1.000	26846	0.0800	Target=2.85		689	
298.70 > 98.80	5.778	5.818	-0.040	1.000	10833		2.48(1.43-4.28)		575	
D 19 13C3 PFBS										
302.10 > 79.90	5.778	5.818	-0.040	0.858	915935	1.65		88.8	34872	
D 23 13C3 HFPO-DA										
286.90 > 168.90	5.834	5.873	-0.039	1.034	928525	1.99		99.3	50400	
D 27 13C4 PFHpA										
367.10 > 322.00	6.084	6.135	-0.051	1.078	861716	1.87		93.4	47724	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
28 PFHpA										M
363.10 > 319.00	6.098	6.135	-0.037	1.002	37325	0.0761	Target=2.23		480	M
363.10 > 169.00	6.084	6.135	-0.051	1.000	14560		2.56(1.12-3.35)		381	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.299	6.349	-0.050	0.935	314253	4.27		89.7	21076	
D 34 13C8 PFOA										
421.10 > 376.00	6.508	6.565	-0.057	1.000	954249	1.88		94.0	49187	
* 40 13C4 PFOA										
417.10 > 372.00	6.508	6.565	-0.057		2633499	5.00			107563	
35 PFOA										
413.00 > 369.00	6.518	6.575	-0.057	1.002	107861	0.3025	Target=1.69		230	
413.00 > 169.00	6.518	6.575	-0.057	1.002	59323		1.82(0.85-2.54)		307	
* 38 18O2 PFHxS										
403.00 > 83.90	6.738	6.807	-0.069		852026	1.89			37059	
D 37 13C3 PFHxS										
402.10 > 79.90	6.738	6.807	-0.069	1.000	815655	1.85		97.6	35893	
39 PFHxS										
398.70 > 79.90	6.751	6.819	-0.067	1.002	13929	0.0481	Target=3.39		60.0	
398.70 > 98.90	6.751	6.819	-0.067	1.002	3716		3.75(1.70-5.09)		27.9	
D 41 13C9 PFNA										
472.10 > 427.00	6.929	6.999	-0.070	1.000	713863	2.02		101	42535	
* 42 13C5 PFNA										
468.00 > 423.00	6.929	6.999	-0.070		720331	2.00			32310	
43 PFNA										
463.00 > 419.00	6.821	6.999	-0.178	0.984	45012	0.1363	Target=2.10		150	
463.00 > 219.00	6.821	6.999	-0.178	0.984	18816		2.39(1.05-3.15)		71.0	
D 45 13C2-8:2FTS										
529.10 > 80.90	7.111	7.191	-0.080	1.055	315606	4.00		83.3	18911	
D 49 d3-NMeFOSAA										
573.20 > 419.00	7.278	7.357	-0.079	0.956	479339	3.84		76.7	26873	
* 51 13C2 PFDA										
515.10 > 470.10	7.346	7.426	-0.080		672900	2.00			36171	
D 52 13C6 PFDA										
519.10 > 474.10	7.346	7.426	-0.080	1.000	672527	1.94		97.2	27242	
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.457	7.536	-0.080	0.979	429855	3.93		78.6	22692	
* 57 13C4 PFOS										
502.80 > 79.90	7.617	7.714	-0.097		925906	1.91			39060	
D 56 13C8 PFOS										
507.10 > 79.90	7.617	7.714	-0.097	1.000	748086	1.69		88.3	21093	
58 PFOS										
498.90 > 79.90	7.629	7.714	-0.085	1.002	119875	0.1976	Target=4.52		16922	
498.90 > 98.80	7.629	7.714	-0.085	1.002	23159		5.18(2.26-6.78)		39.1	
D 59 13C7 PFUnA										
570.00 > 525.10	7.774	7.856	-0.082	1.058	803991	2.93		146	49612	
D 63 PFDoA										
615.10 > 570.00	8.156	8.254	-0.098	1.110	505680	2.52		126	31833	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 66 13C8 FOSA										
506.10 > 77.80	8.354	8.382	-0.028	1.097	1261769	1.72		85.8	37582	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.854	8.955	-0.101	1.205	320883	1.79		89.4	16538	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.142	9.146	-0.004	1.200	422747	3.43		68.5	7070	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.236	9.241	-0.005	1.213	253395	1.11		55.6	8840	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.326	9.330	-0.004	1.224	489660	3.26		65.1	7619	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.398	9.401	-0.003	1.234	273735	1.08		54.0	18198	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_IS_V_00235 Amount Added: 50.00 Units: uL

Report Date: 10-Mar-2025 15:15:21 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR06-45.d

Injection Date: 07-Mar-2025 04:06:36 Instrument ID: 30729

Lims ID: 410-209941-A-10-C Lab Sample ID: 410-209941-10

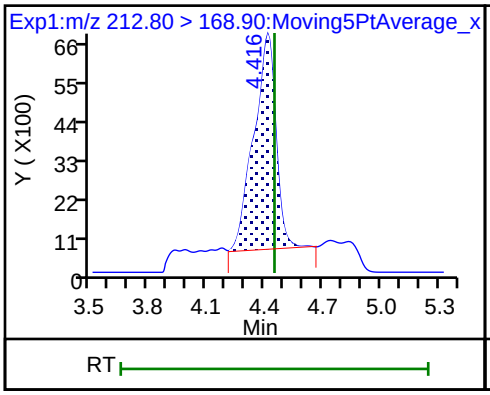
Client ID: MW-30S-021325

Operator ID: ETUS023_USR_INS00054 ALS Bottle#: 37 Worklist Smp#: 41

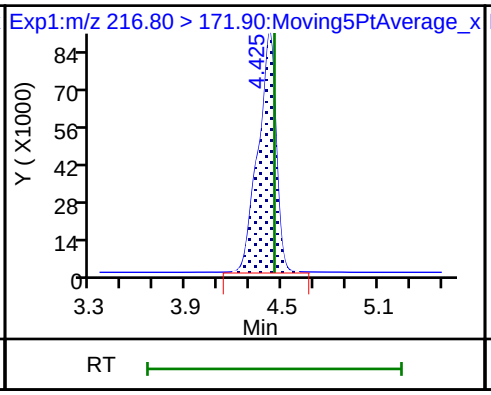
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 30729_1633Final Limit Group: LC - 1633 LVI- ICAL

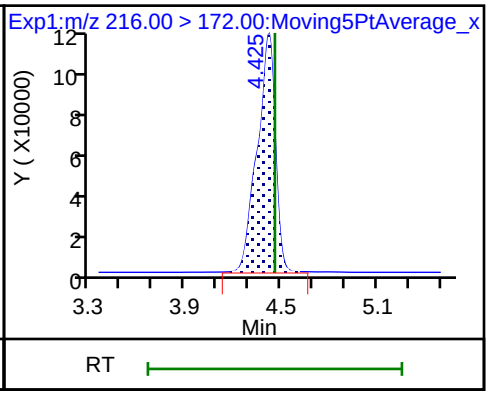
5 PFBA



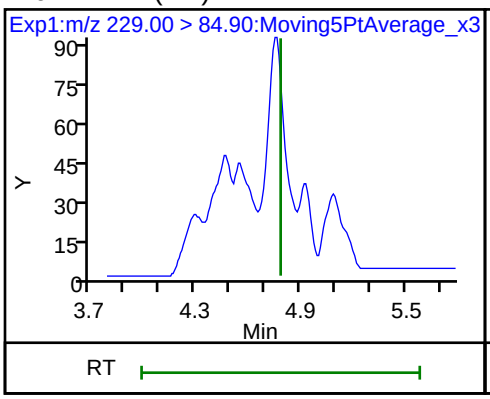
D 3 13C4-PFBA



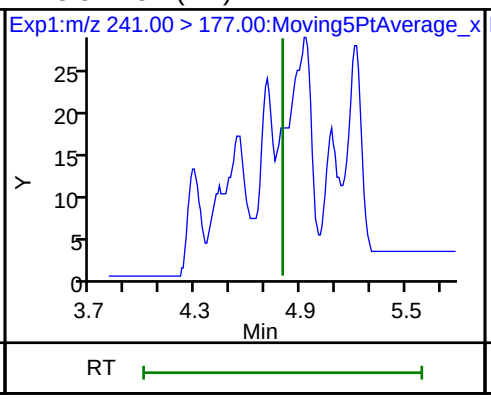
* 4 13C3PFBA



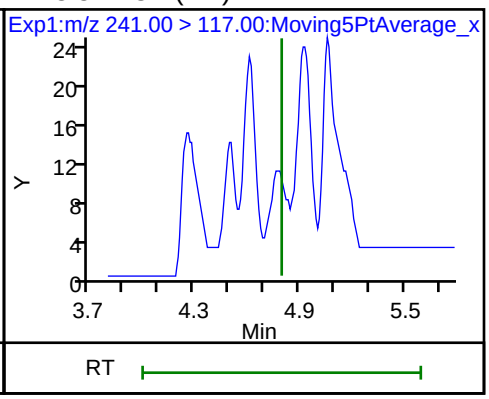
6 PFMPA (ND)



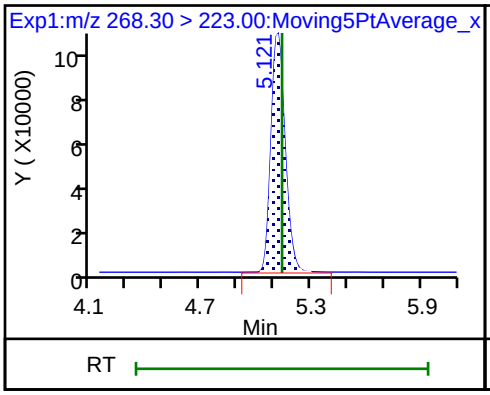
7 3:3 FTCA (ND)



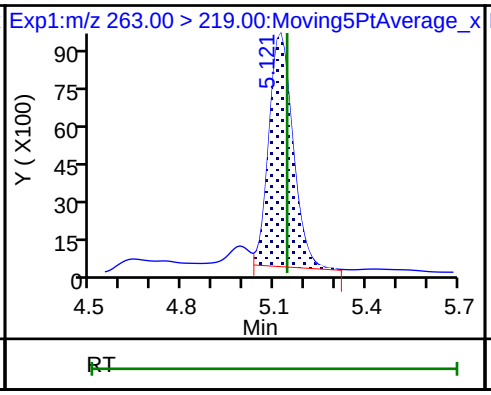
7 3:3 FTCA (ND)



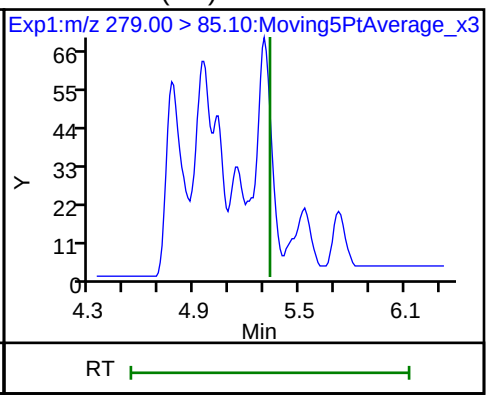
D 9 13C5 PFPeA



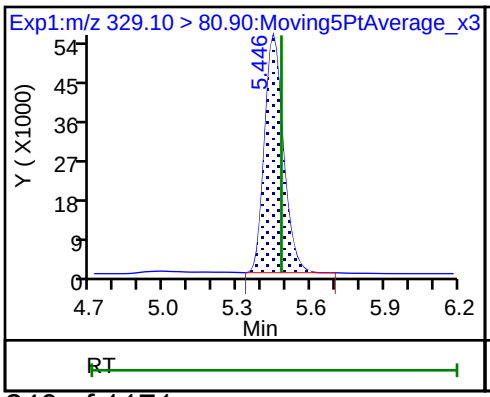
10 PFPA



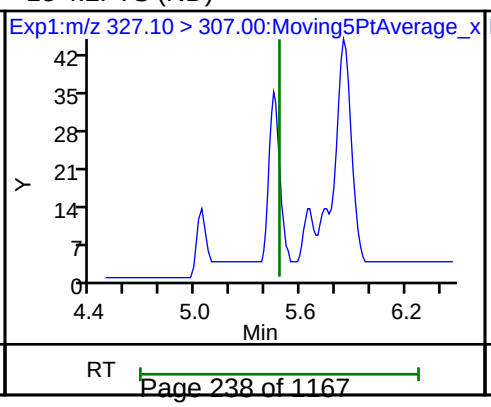
11 PFMBA (ND)



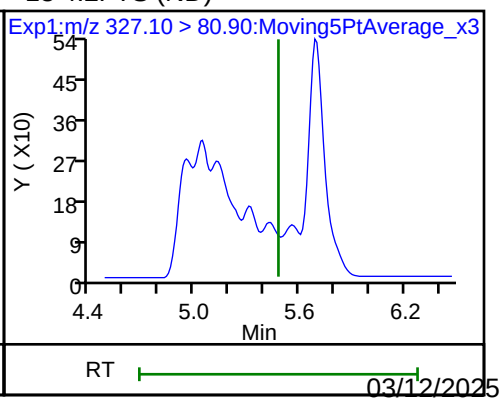
D 12 13C2-4:2FTS



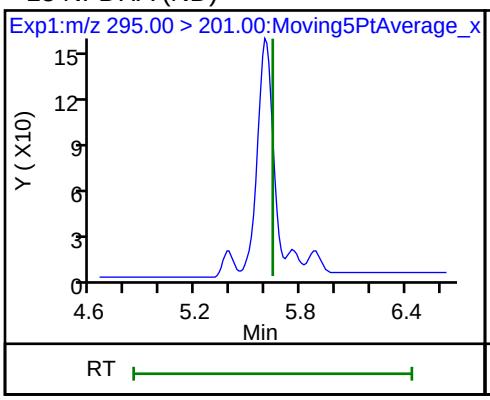
13 4:2FTS (ND)



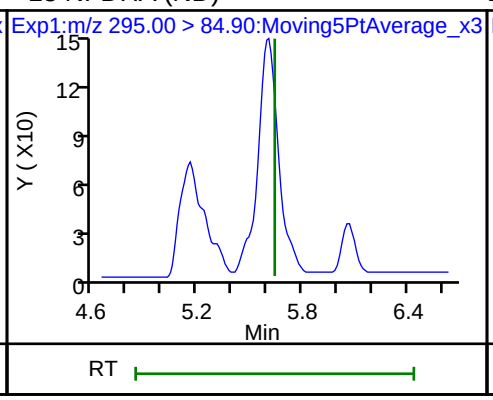
13 4:2FTS (ND)



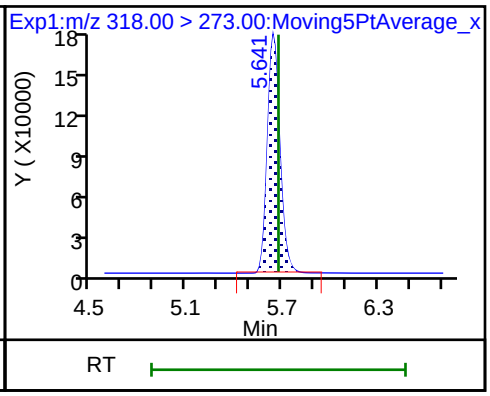
15 NFDHA (ND)



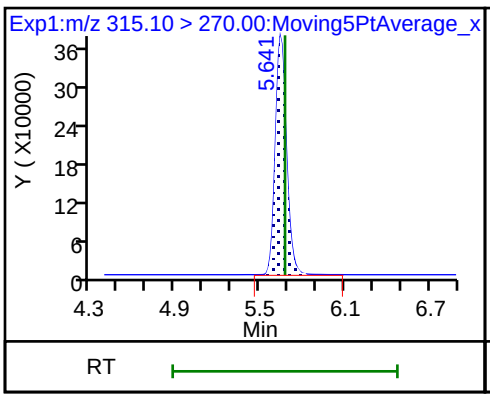
15 NFDHA (ND)



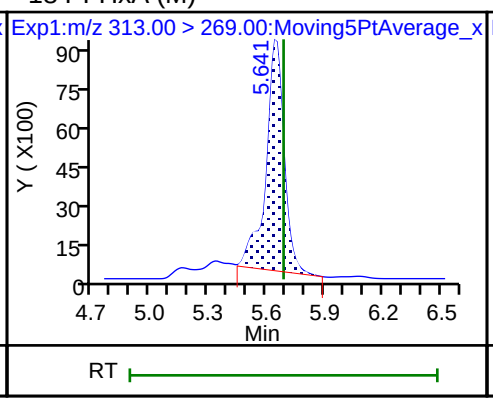
D 16 13C5 PFHxA



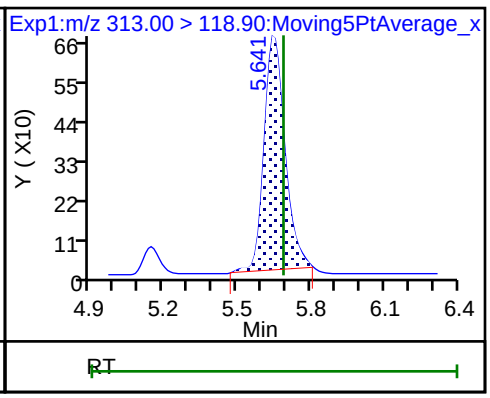
* 17 13C2 PFHxA



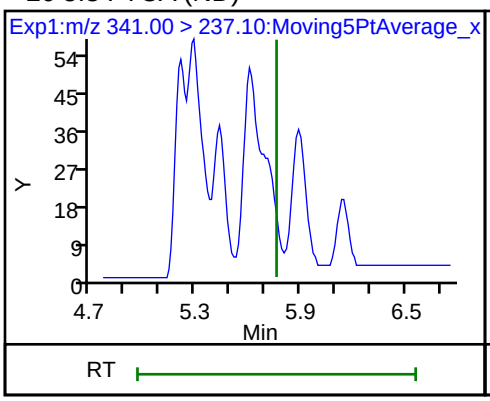
18 PFHxA (M)



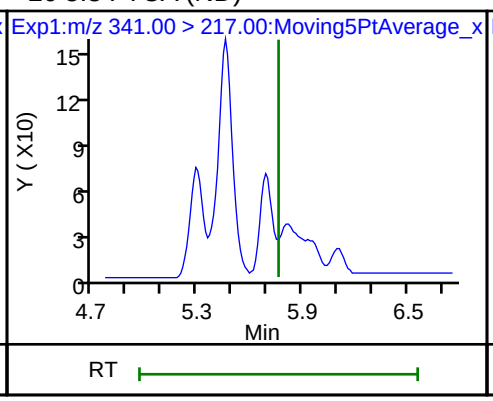
18 PFHxA



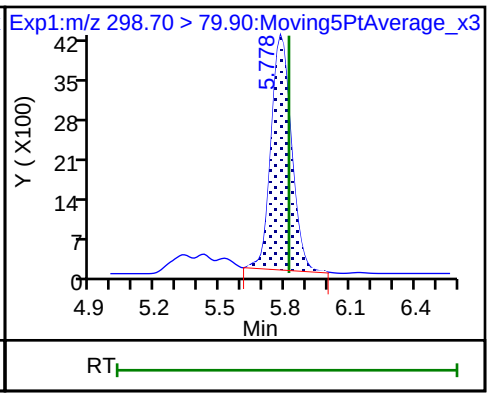
20 5:3 FTCA (ND)



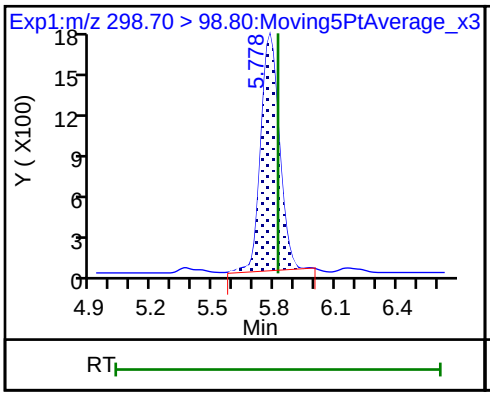
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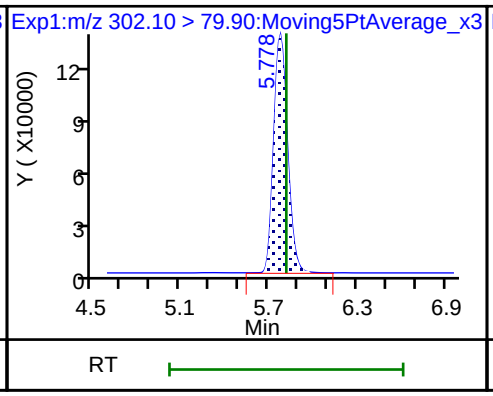
21 PFBS



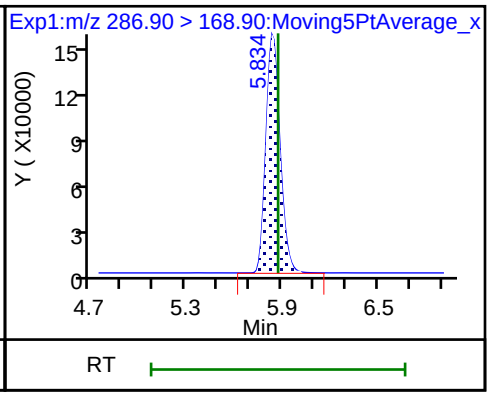
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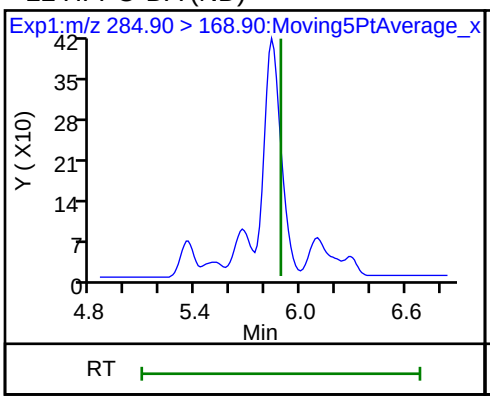
D 19 13C3 PFBS



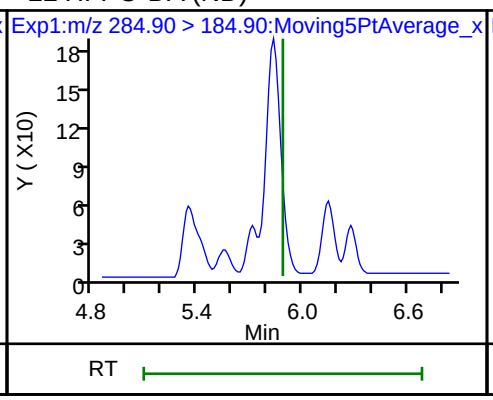
D 23 13C3 HFPO-DA



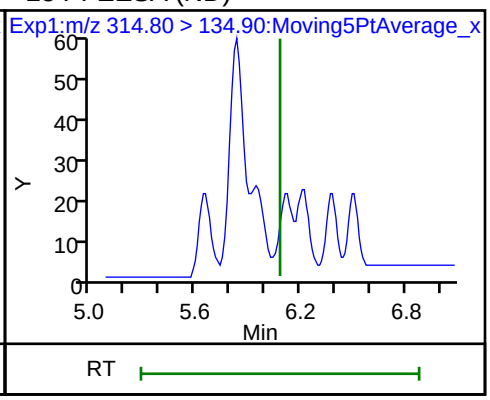
22 HFPO-DA (ND)



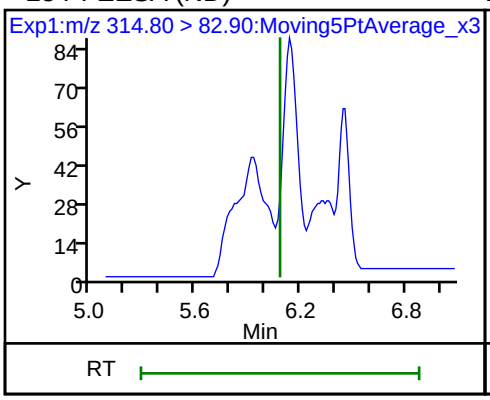
22 HFPO-DA (ND)



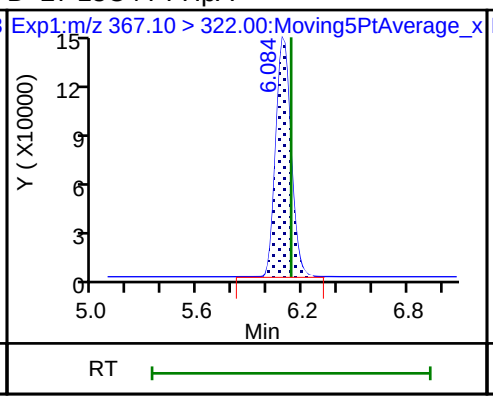
25 PFEESA (ND)



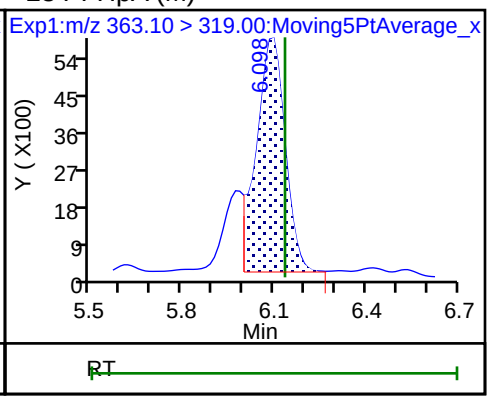
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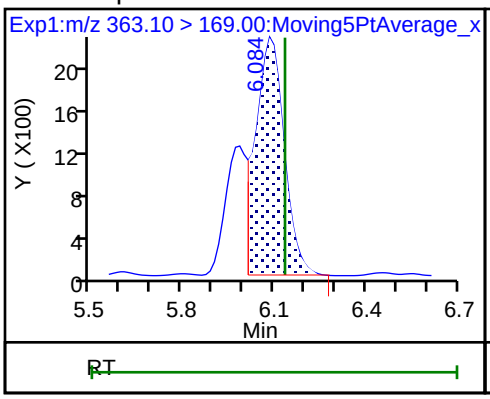
D 27 13C4 PFHpA



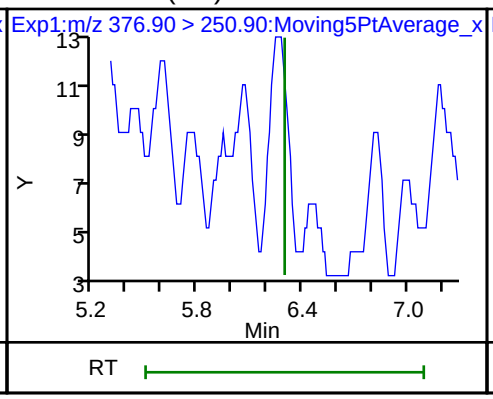
28 PFHpA (M)



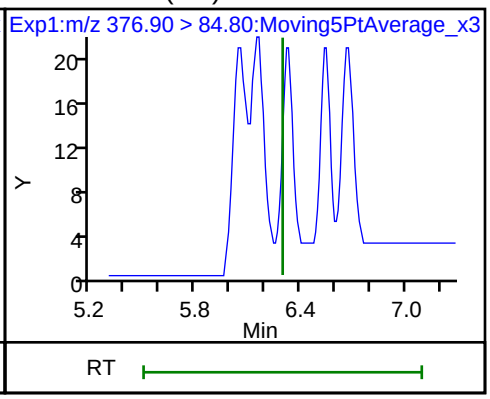
28 PFHpA



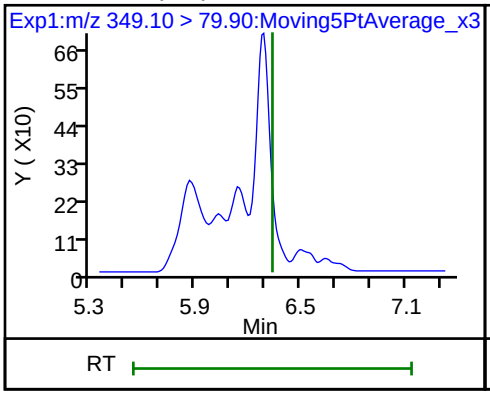
29 ADONA (ND)



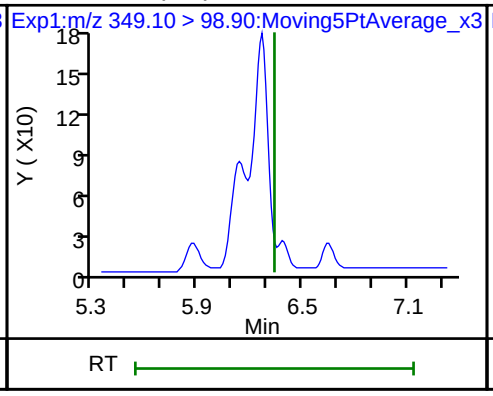
29 ADONA (ND)



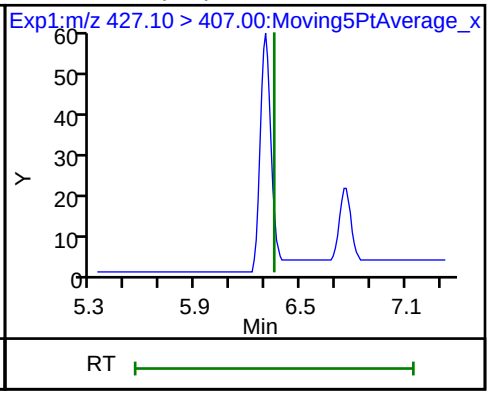
30 PFPeS (ND)



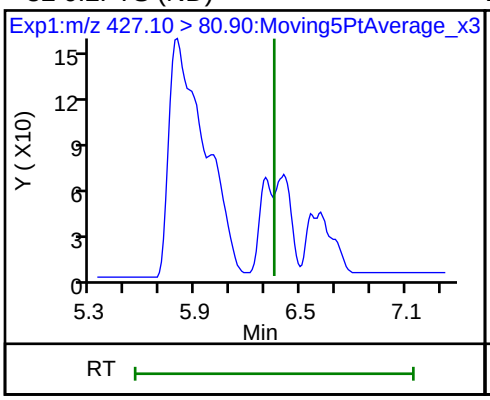
30 PFPeS (ND)



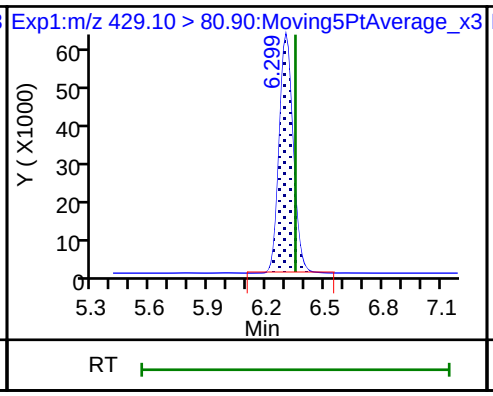
32 6:2FTS (ND)



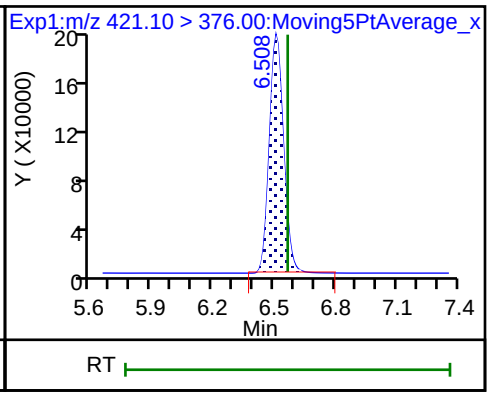
32 6:2FTS (ND)



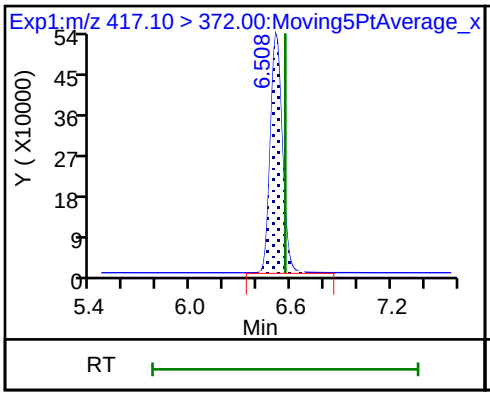
D 31 13C2-6:2FTS



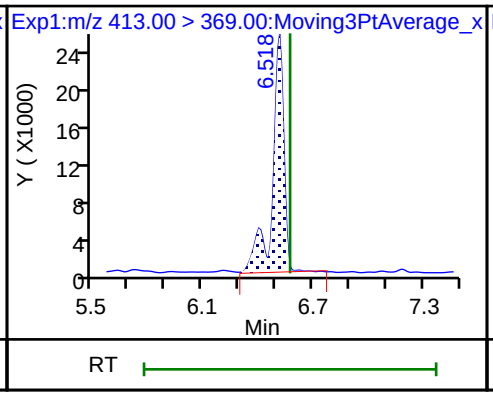
D 34 13C8 PFOA



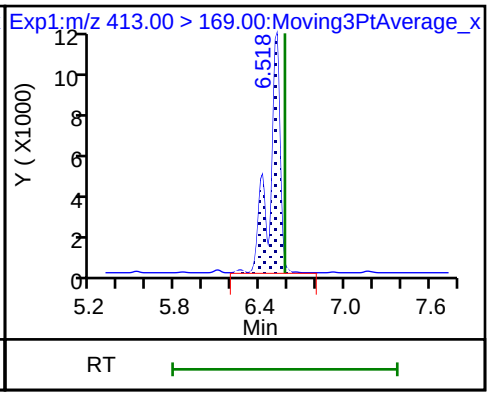
* 40 13C4 PFOA



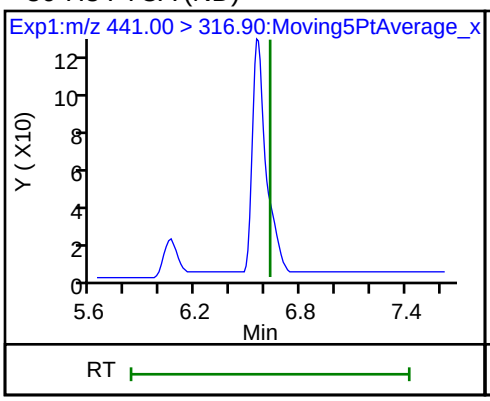
35 PFOA



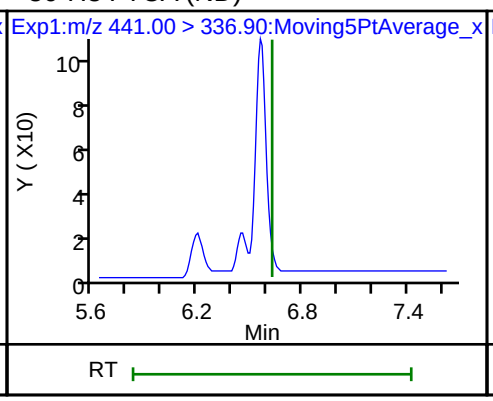
35 PFOA



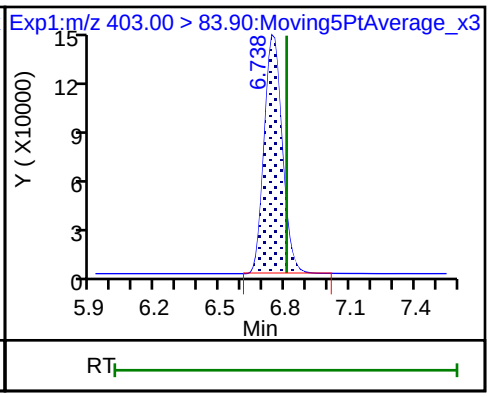
36 7:3 FTCA (ND)



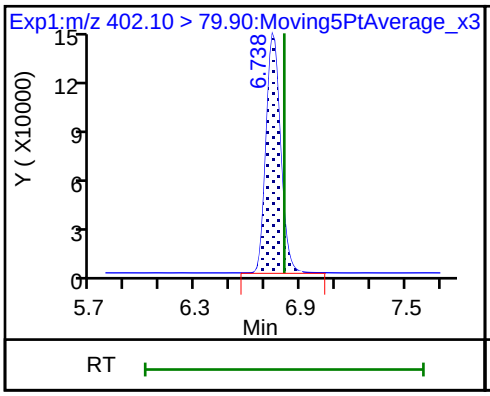
36 7:3 FTCA (ND)



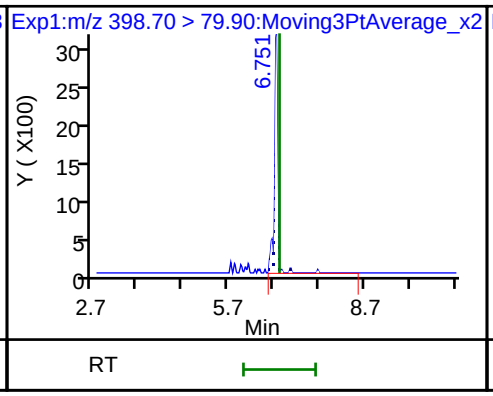
* 38 18O2 PFHxS



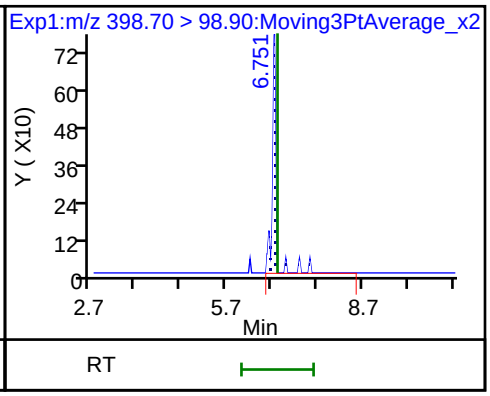
D 37 13C3 PFHxS



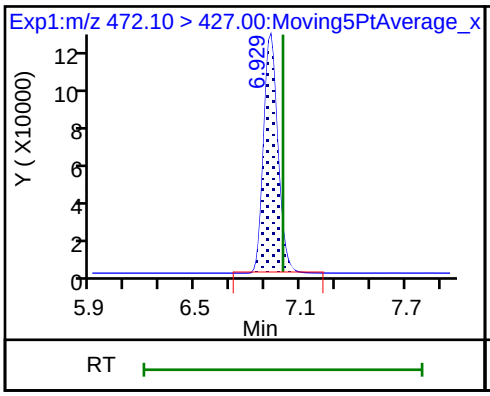
39 PFHxS



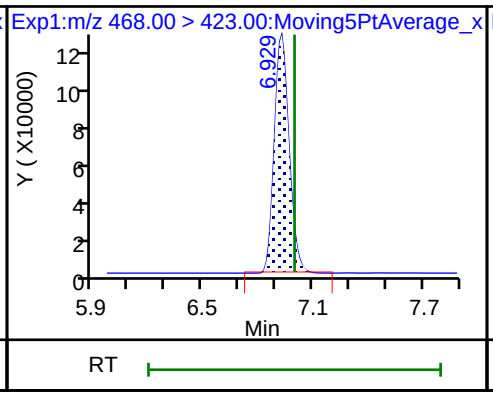
39 PFHxS



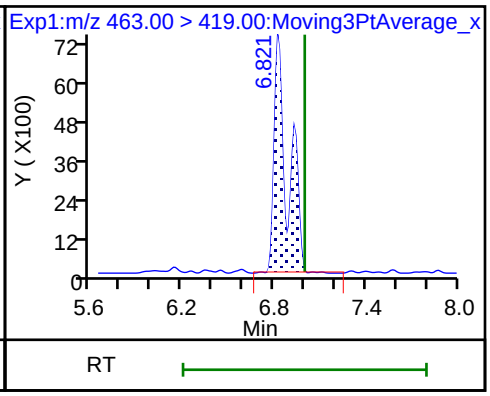
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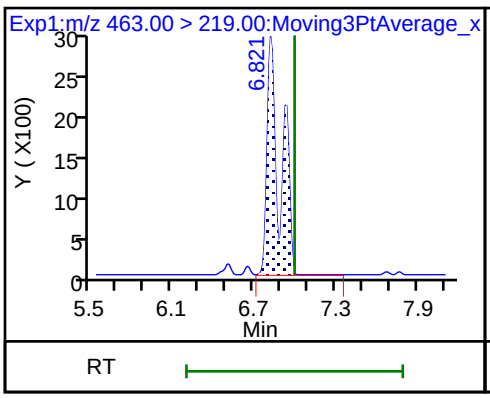
* 42 13C5 PFNA



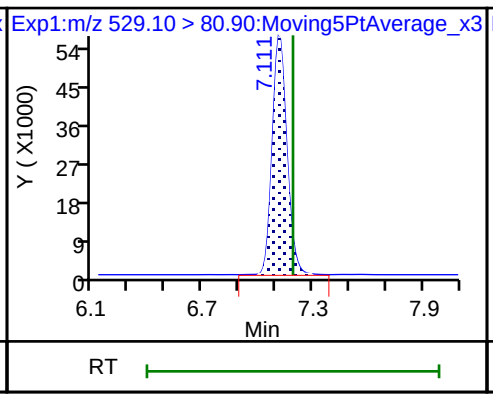
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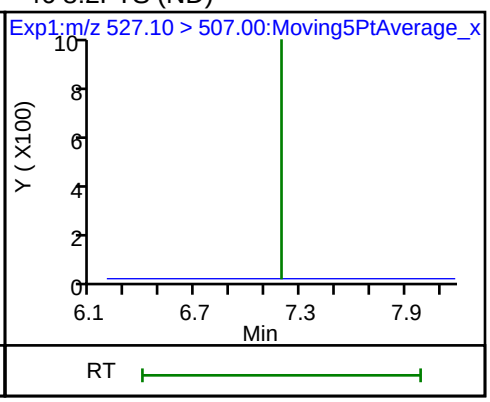
43 PFNA



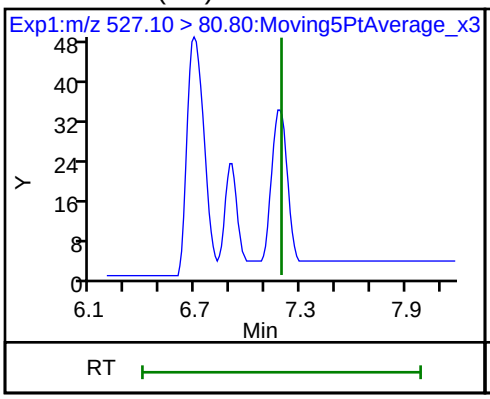
D 45 13C2-8:2FTS



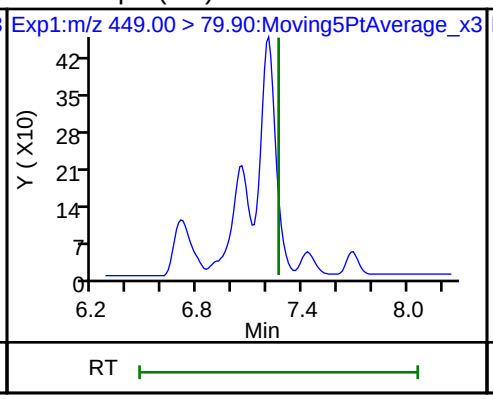
46 8:2FTS (ND)



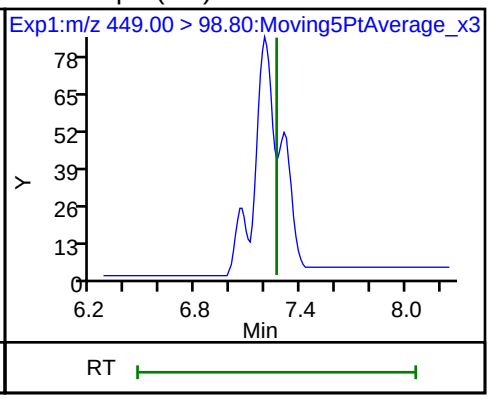
46 8:2FTS (ND)



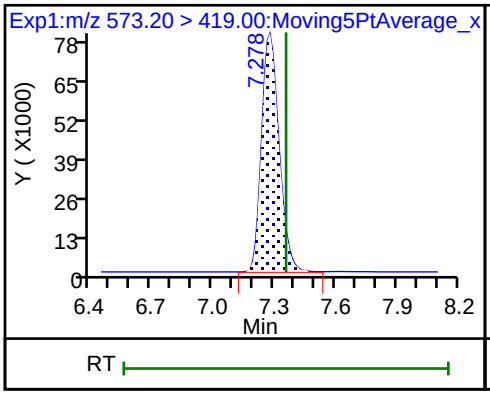
47 PFHpS (ND)



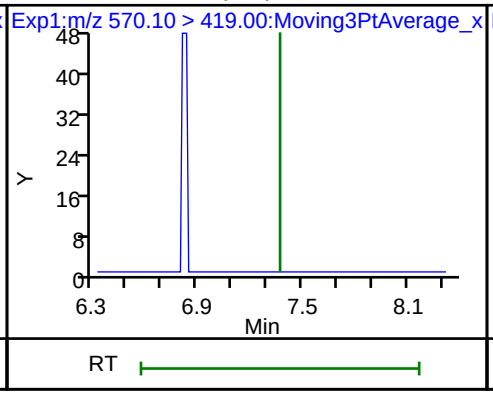
47 PFHpS (ND)



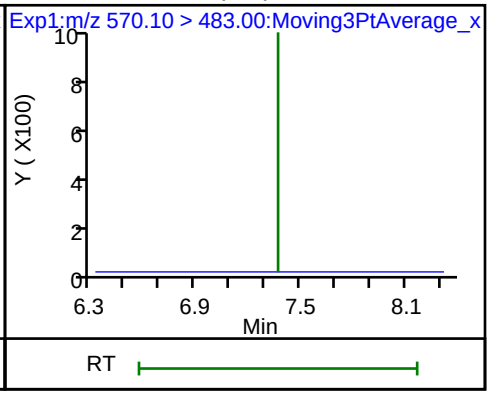
D 49 d3-NMeFOSAA



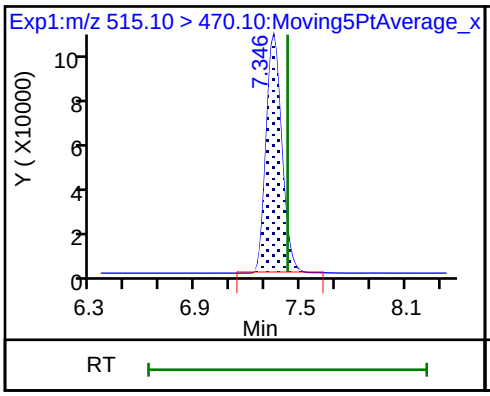
50 NMeFOSAA (ND)



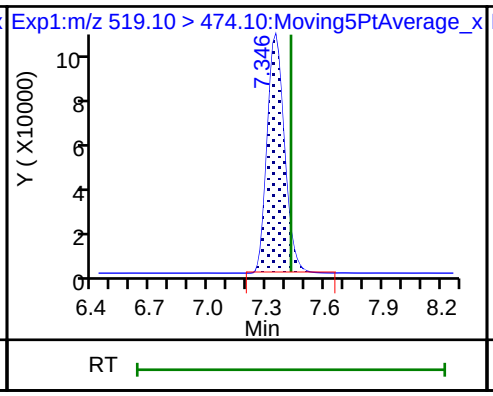
50 NMeFOSAA (ND)



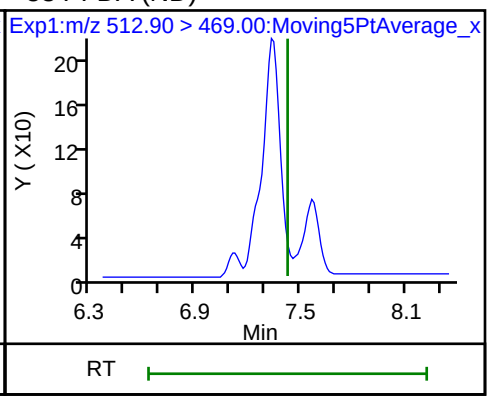
* 51 13C2 PFDA



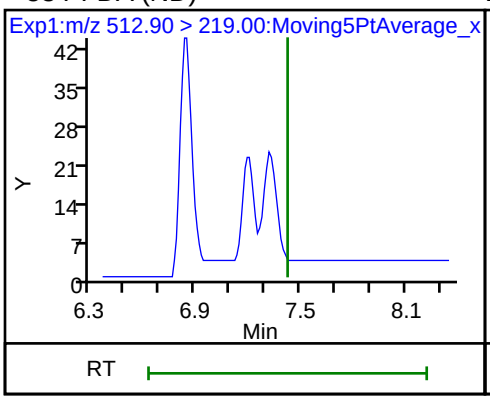
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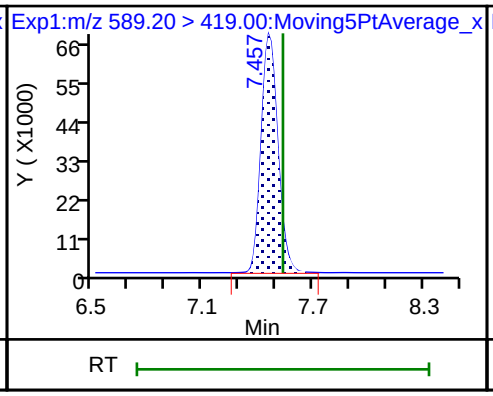
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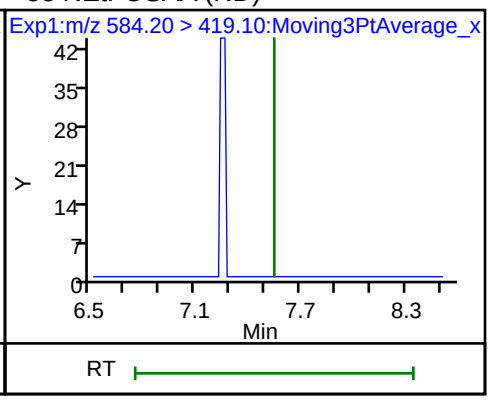
53 PFDA (ND)



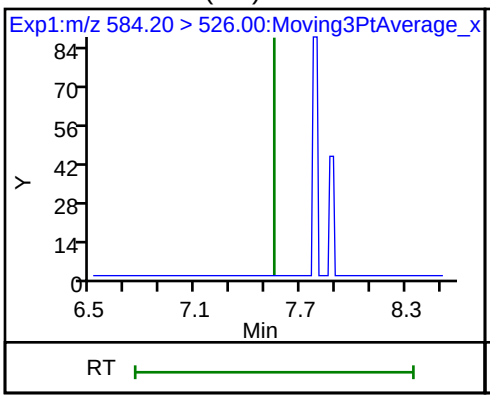
D 54 d5-NEtFOSAA



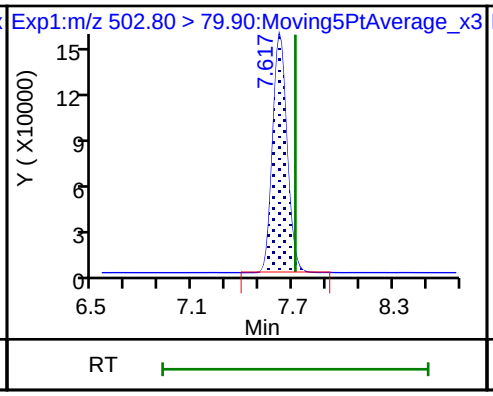
55 NEtFOSAA (ND)



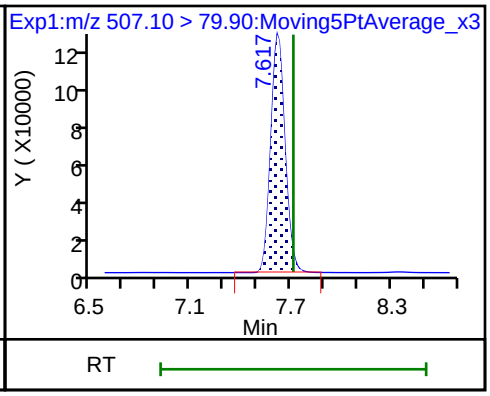
55 NEtFOSAA (ND)



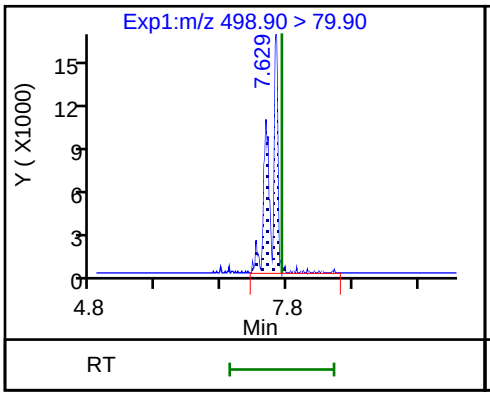
* 57 13C4 PFOS



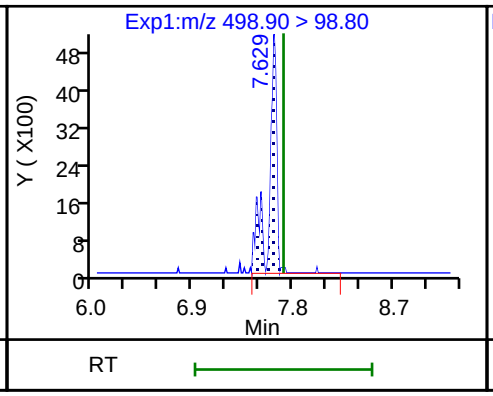
D 56 13C8 PFOS



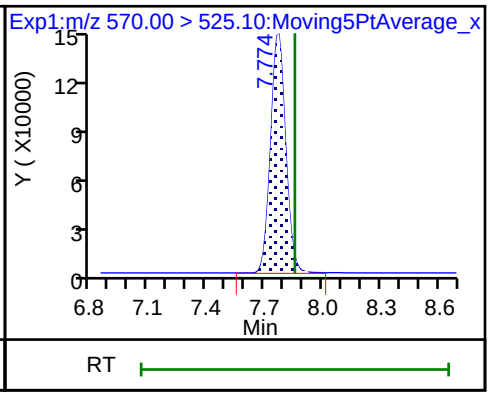
58 PFOS



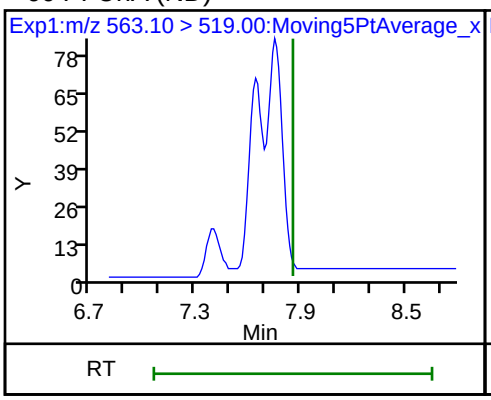
58 PFOS



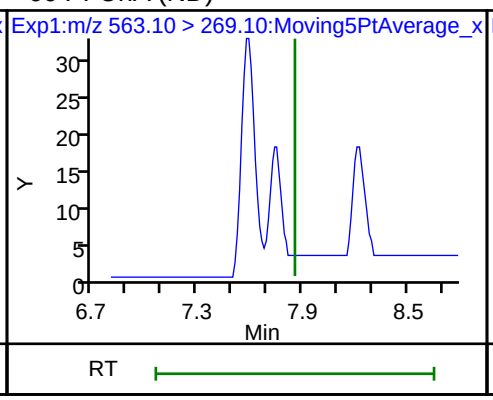
D 59 13C7 PFUnA



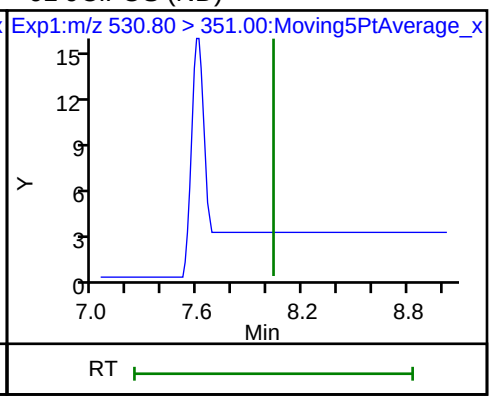
60 PFUnA (ND)



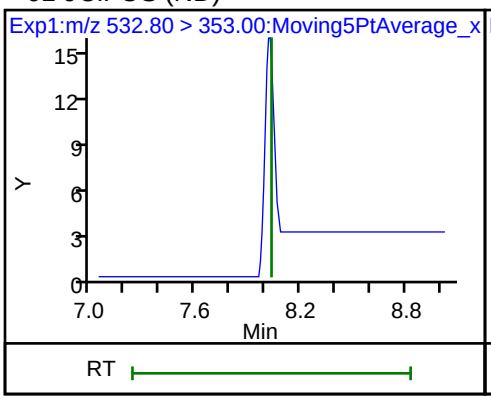
60 PFUnA (ND)



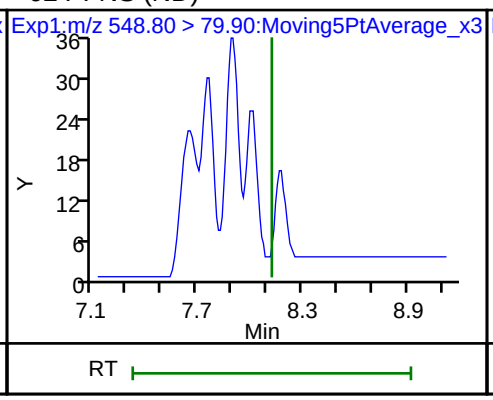
61 9ClFOS (ND)



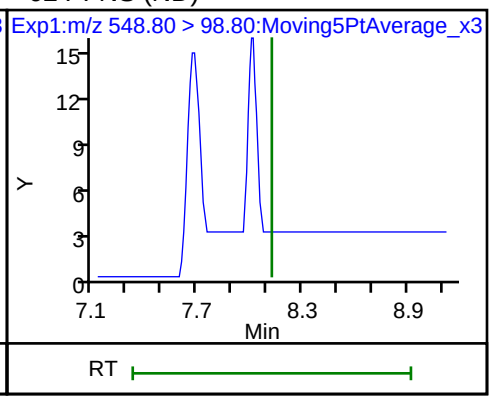
61 9ClFOS (ND)



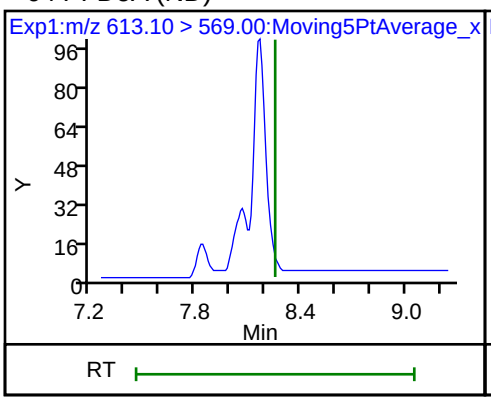
62 PFNS (ND)



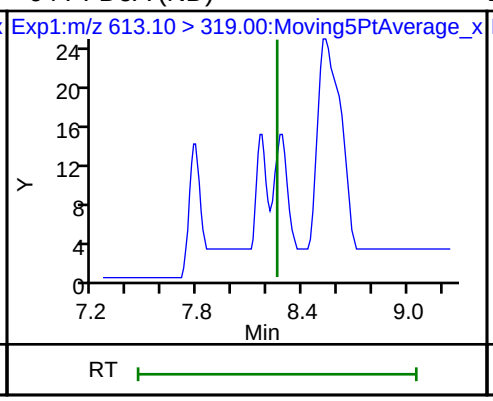
62 PFNS (ND)



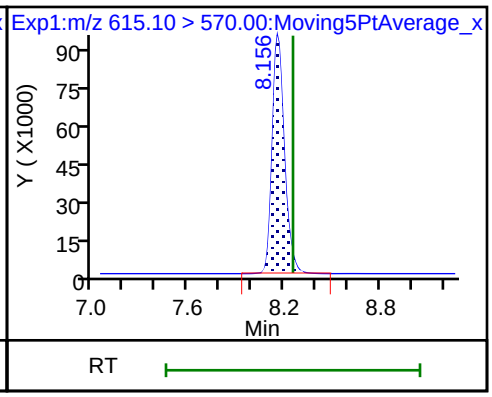
64 PFDoA (ND)



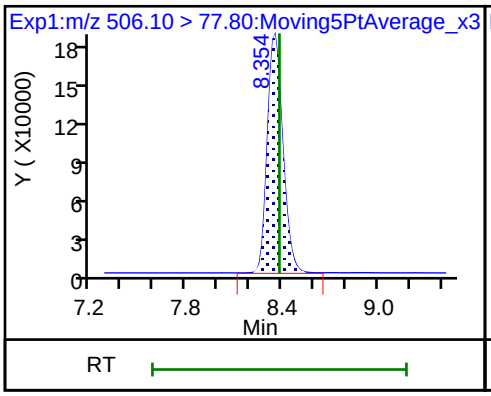
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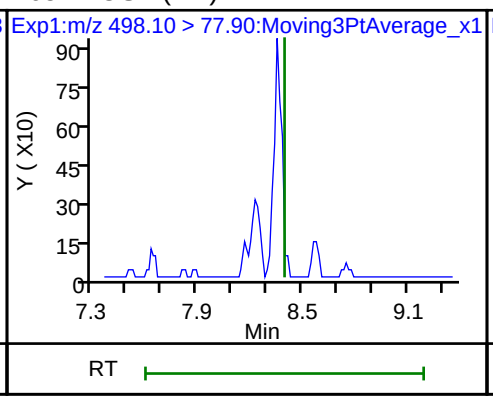
D 63 PFDoA



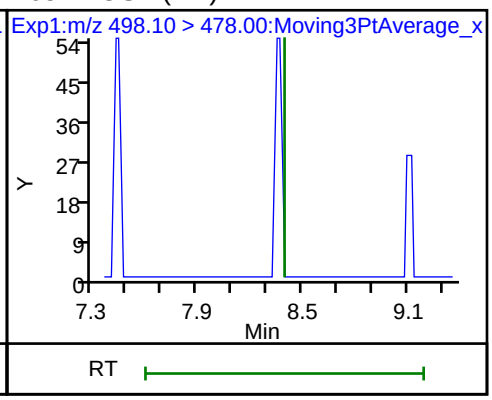
D 66 13C8 FOSA



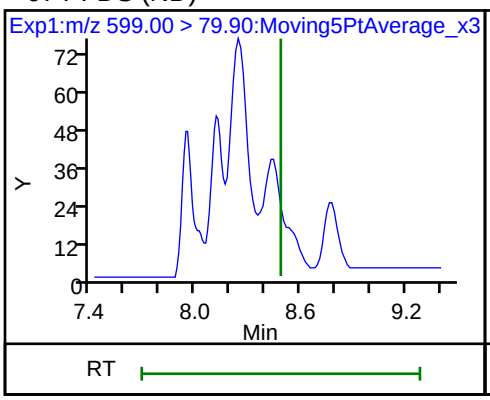
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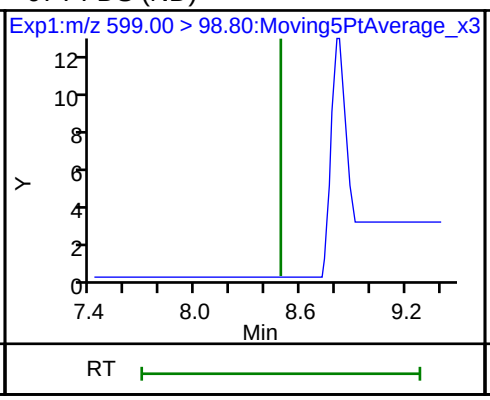
65 PFOSA (ND)



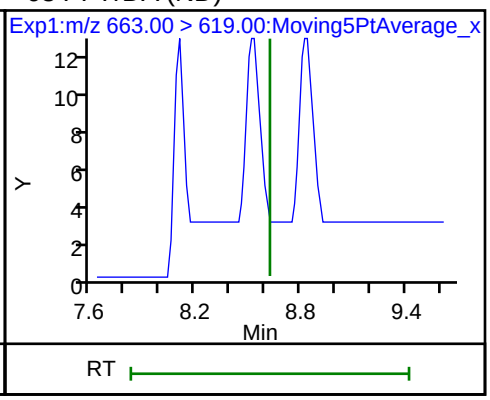
67 PFDS (ND)



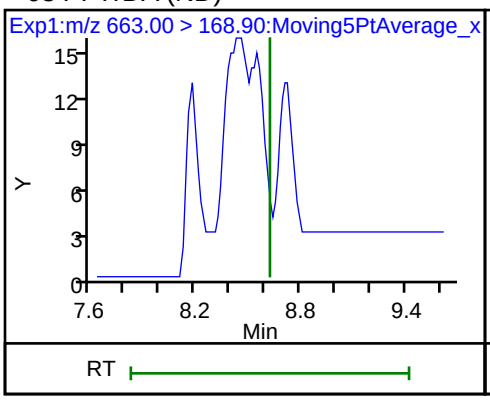
67 PFDS (ND)



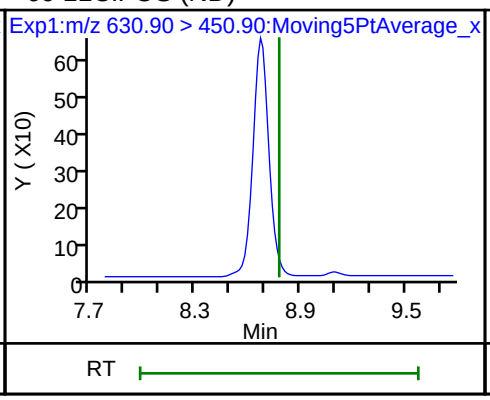
68 PFTrDA (ND)



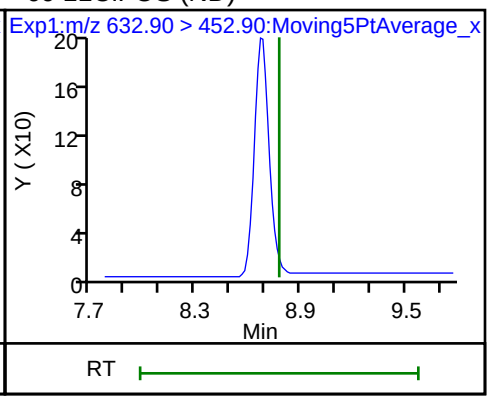
68 PFTrDA (ND)



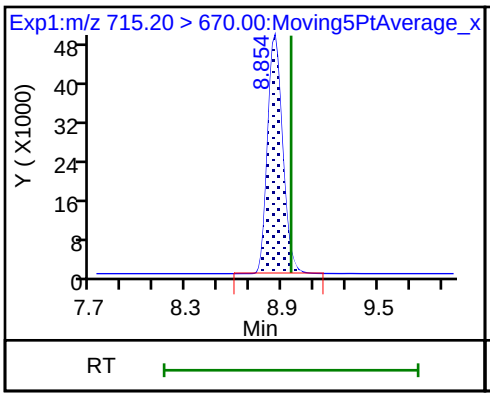
69 11ClFOS (ND)



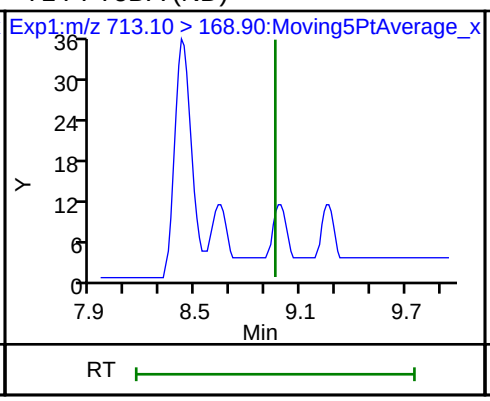
69 11ClFOS (ND)



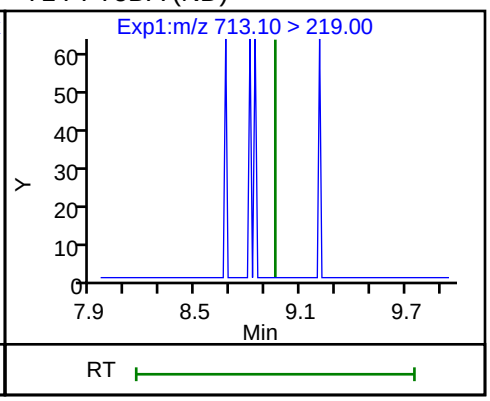
D 70 13C2 PFTeDA



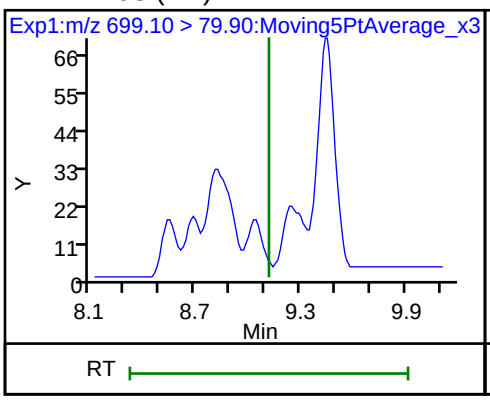
71 PFTeDA (ND)



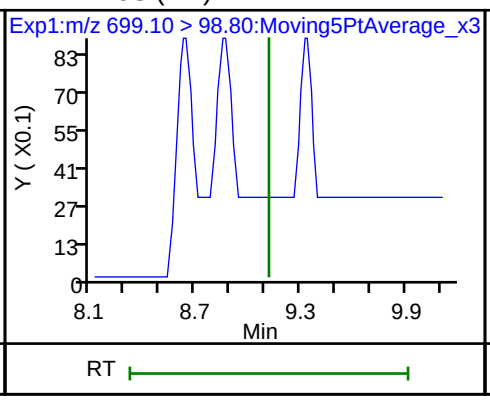
71 PFTeDA (ND)



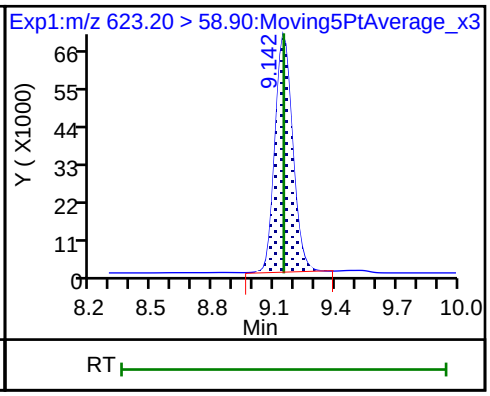
72 PFDoS (ND)



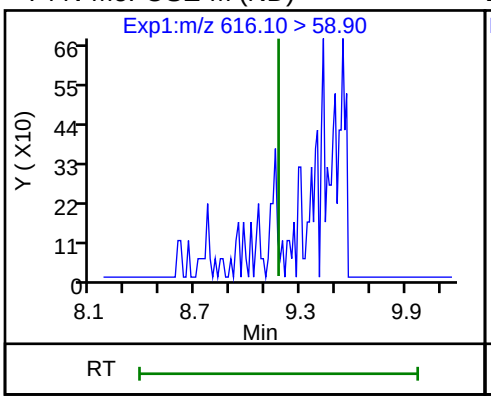
72 PFDoS (ND)



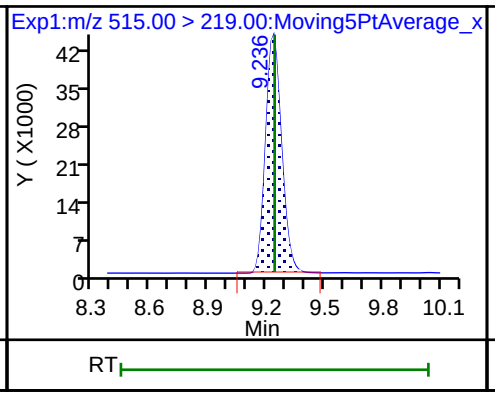
D 73 d7-N-Me-FOSE



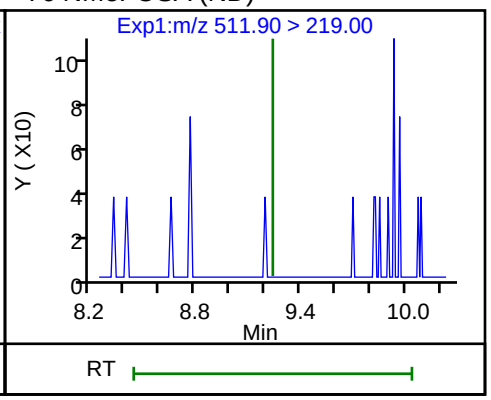
74 N-MeFOSE-M (ND)



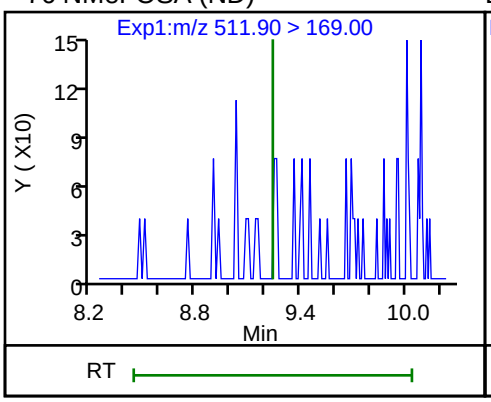
D 75 d3-NMePFOSA



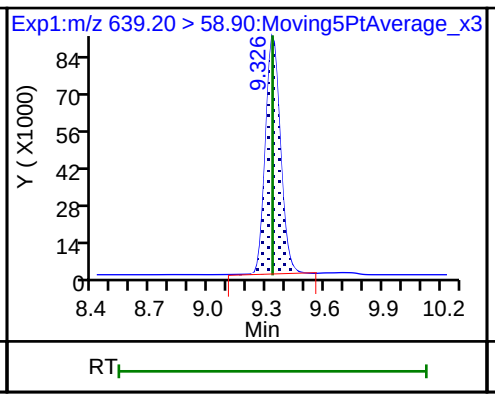
76 NMeFOSA (ND)



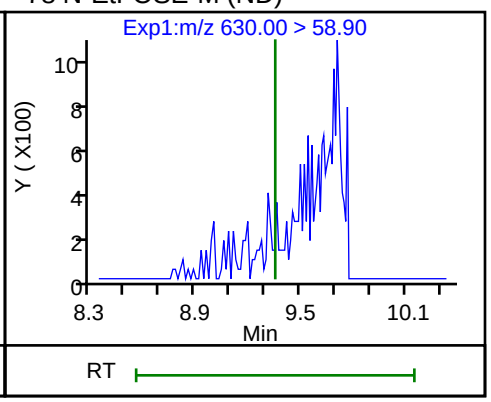
76 NMeFOSA (ND)



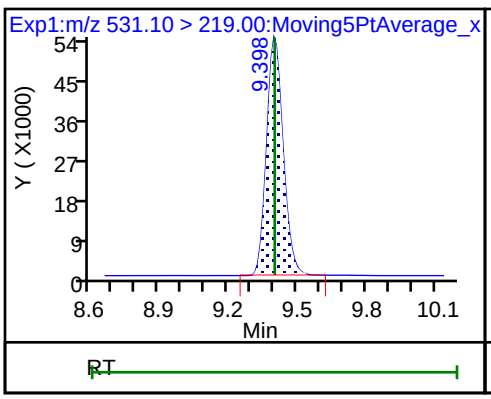
D 77 d9-N-EtFOSE



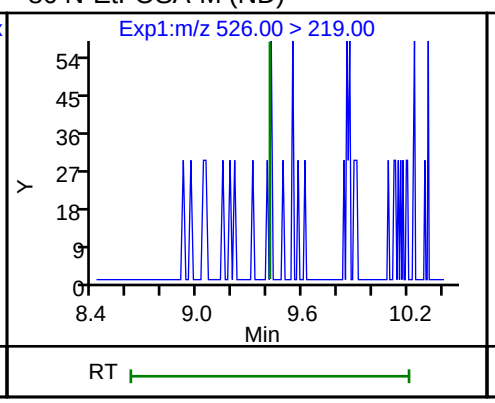
78 N-EtFOSE-M (ND)



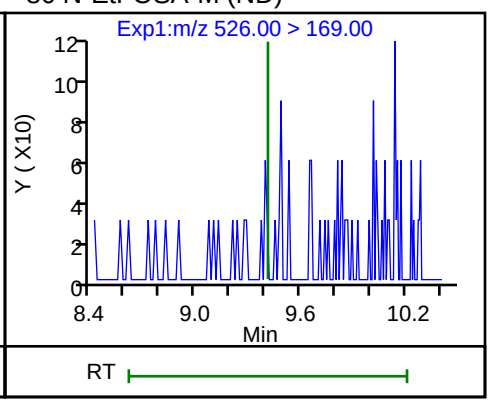
D 79 d5-NEtPFOSA



80 N-EtFOSA-M (ND)



80 N-EtFOSA-M (ND)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

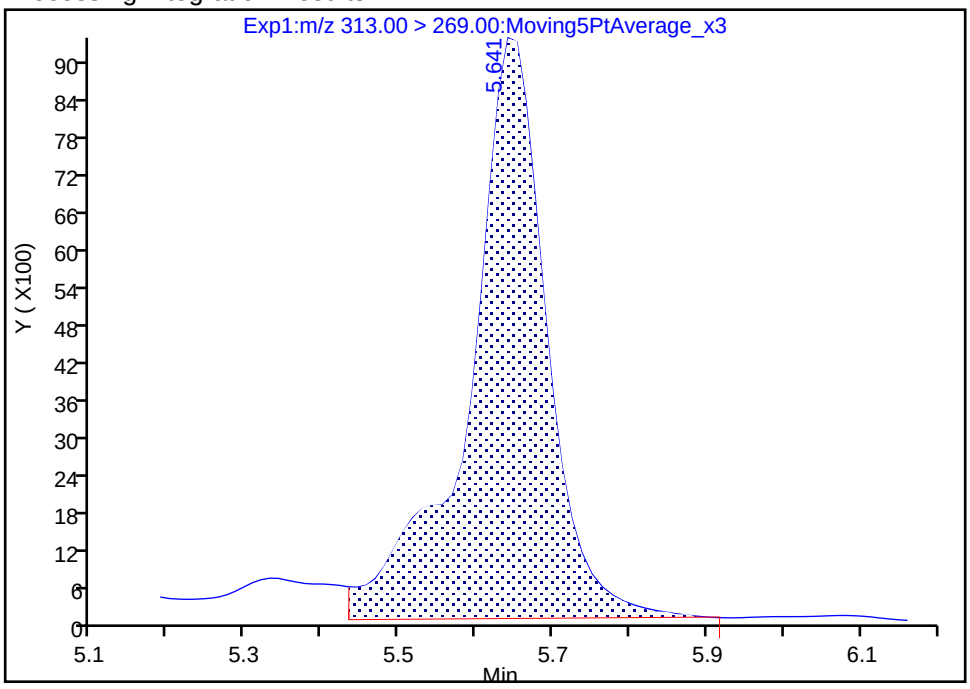
Data File:	\\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR06-45.d				
Injection Date:	07-Mar-2025 04:06:36	Instrument ID:	30729		
Lims ID:	410-209941-A-10-C	Lab Sample ID:	410-209941-10		
Client ID:	MW-30S-021325				
Operator ID:	ETUS023_USR_INS00054	ALS Bottle#:	37	Worklist Smp#:	41
Injection Vol:	7.0 ul	Dil. Factor:	1.0000		
Method:	30729_1633Final	Limit Group:	LC - 1633 LVI- ICAL		
Column:		Detector	EXP1		

18 PFHxA, CAS: 307-24-4

Signal: 1

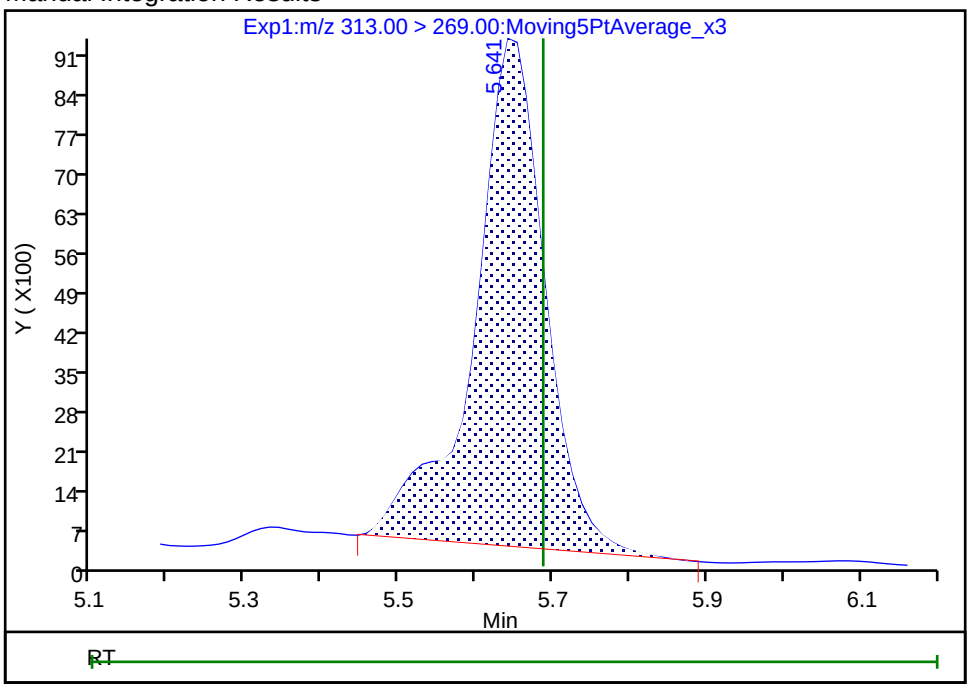
Processing Integration Results

RT: 5.64
Area: 65701
Amount: 0.143692
Amount Units: ng/ml



Manual Integration Results

RT: 5.64
Area: 58047
Amount: 0.126069
Amount Units: ng/ml



Reviewer: RPU6, 10-Mar-2025 15:11:55 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

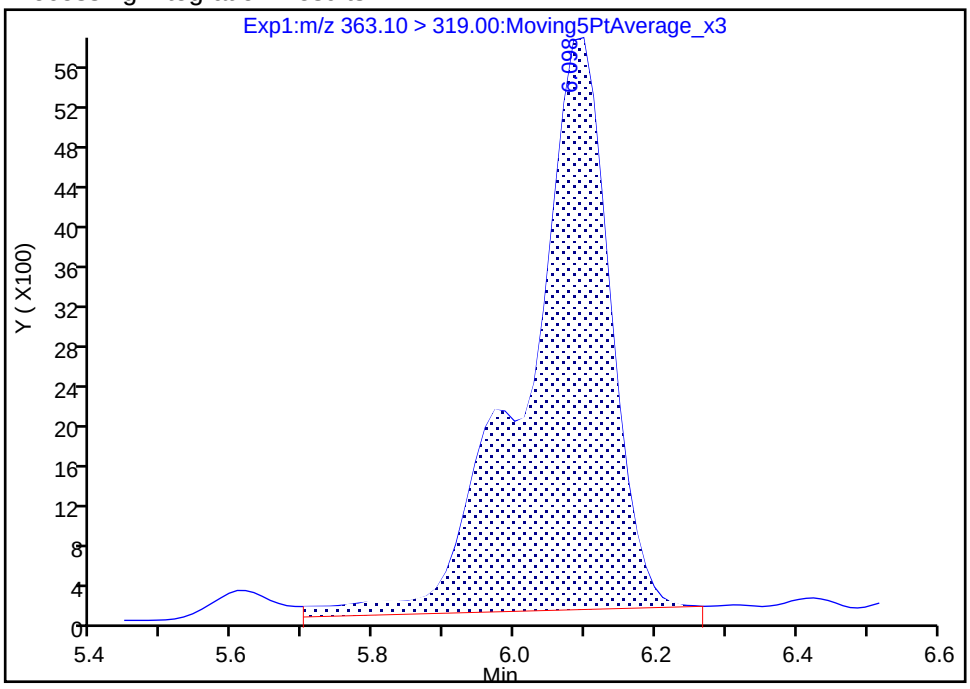
Data File:	\\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR06-45.d				
Injection Date:	07-Mar-2025 04:06:36	Instrument ID:	30729		
Lims ID:	410-209941-A-10-C	Lab Sample ID:	410-209941-10		
Client ID:	MW-30S-021325				
Operator ID:	ETUS023_USR_INS00054	ALS Bottle#:	37	Worklist Smp#:	41
Injection Vol:	7.0 ul	Dil. Factor:	1.0000		
Method:	30729_1633Final	Limit Group:	LC - 1633 LVI- ICAL		
Column:		Detector	EXP1		

28 PFHpA, CAS: 375-85-9

Signal: 1

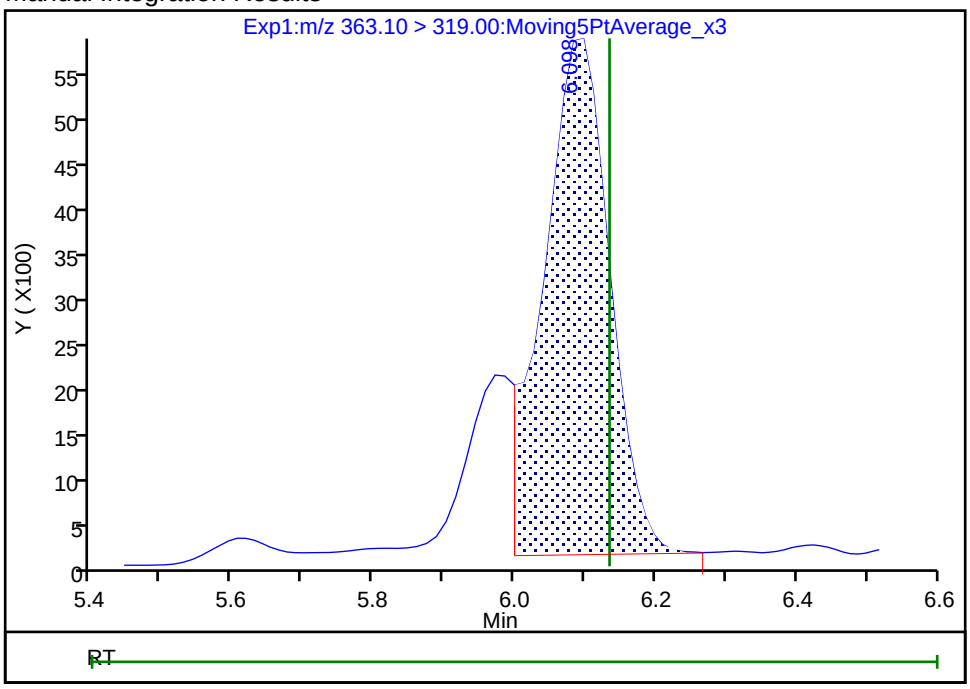
Processing Integration Results

RT: 6.10
Area: 47644
Amount: 0.102850
Amount Units: ng/ml



Manual Integration Results

RT: 6.10
Area: 37325
Amount: 0.076139
Amount Units: ng/ml



Reviewer: RPU6, 10-Mar-2025 15:12:08 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Split Peak

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: EB-04-021925
Lab Sample ID: 410-209941-11

Matrix: Water
Lab File ID: 25MAR06-46.d

Analysis Method: 1633
Date Collected: 02/19/2025 18:00

Extraction Method: 1633
Date Extracted: 03/06/2025 08:30

Sample wt/vol: 127.1(mL)
Date Analyzed: 03/07/2025 04:20

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture:
% Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613851
Units: ng/L

Preparation Batch No.: 613587
Instrument ID: 30729

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	ND		3.9	1.1
2706-90-3	Perfluoropentanoic acid	ND		2.0	0.59
307-24-4	Perfluorohexanoic acid	ND		2.0	0.49
375-85-9	Perfluoroheptanoic acid	ND		2.0	0.79
335-67-1	Perfluorooctanoic acid	ND		2.0	0.89
375-95-1	Perfluorononanoic acid	ND		2.0	0.49
335-76-2	Perfluorodecanoic acid	ND		2.0	0.49
2058-94-8	Perfluoroundecanoic acid	ND		2.0	0.49
307-55-1	Perfluorododecanoic acid	ND		2.0	0.49
72629-94-8	Perfluorotridecanoic acid	ND		2.0	0.49
376-06-7	Perfluorotetradecanoic acid	ND		2.0	0.49
375-73-5	Perfluorobutanesulfonic acid	ND		2.0	0.49
2706-91-4	Perfluoropentanesulfonic acid	ND		2.0	0.49
355-46-4	Perfluorohexanesulfonic acid	ND		2.0	0.79
375-92-8	Perfluoroheptanesulfonic acid	ND		2.0	0.49
1763-23-1	Perfluorooctanesulfonic acid	ND		2.0	0.49
68259-12-1	Perfluorononanesulfonic acid	ND		2.0	0.49
335-77-3	Perfluorodecanesulfonic acid	ND		2.0	0.49
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.59
757124-72-4	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		3.9	0.98
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		3.9	0.98
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		3.9	0.98
754-91-6	Perfluorooctanesulfonamide	ND		2.0	0.49
31506-32-8	NMeFOSA	ND		2.0	0.49
4151-50-2	N-ethylperfluoro-1-octanesulfonamide	ND		2.0	0.49
2355-31-9	NMeFOSAA	ND		2.0	0.49
2991-50-6	NEtFOSAA	ND		2.0	0.49

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: EB-04-021925
Lab Sample ID: 410-209941-11

Matrix: Water
Lab File ID: 25MAR06-46.d

Analysis Method: 1633
Date Collected: 02/19/2025 18:00

Extraction Method: 1633
Date Extracted: 03/06/2025 08:30

Sample wt/vol: 127.1(mL)
Date Analyzed: 03/07/2025 04:20

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613851
Units: ng/L

Preparation Batch No.: 613587
Instrument ID: 30729

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
24448-09-7	2-(N-methylperfluoro-1-octanesulfonamido) ethanol	ND		9.8	2.5
1691-99-2	2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	ND		9.8	2.5
13252-13-6	HFPO-DA	ND		2.0	0.74
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.49
377-73-1	Perfluoro-3-methoxypropanoic acid	ND		2.0	0.49
863090-89-5	Perfluoro(4-methoxybutanoic acid)	ND		2.0	0.49
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid	ND		2.0	0.49
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND	cn	2.0	0.49
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		2.0	0.49
113507-82-7	PFEESA	ND		2.0	0.49
356-02-5	3:3 FTCA	ND		3.9	0.98
914637-49-3	5:3 FTCA	ND		9.8	2.8
812-70-4	7:3 FTCA	ND		9.8	2.5

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Client Sample ID: EB-04-021925 Lab Sample ID: 410-209941-11

Matrix: Water Lab File ID: 25MAR06-46.d

Analysis Method: 1633 Date Collected: 02/19/2025 18:00

Extraction Method: 1633 Date Extracted: 03/06/2025 08:30

Sample wt/vol: 127.1(mL) Date Analyzed: 03/07/2025 04:20

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 7(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613851 Units: ng/L

Preparation Batch No.: 613587 Instrument ID: 30729

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	91.3		5-130
STL01893	13C5 PFPeA	86.8		40-130
STL02577	13C5 PFHxA	86.8		40-130
STL01892	13C4 PFHpA	90.1		40-130
STL01052	13C8 PFOA	89.8		40-130
STL02578	13C9 PFNA	104		40-130
STL02579	13C6 PFDA	97.4		40-130
STL02580	13C7 PFUnA	145	*5+ cn	30-130
STL02116	13C2 PFTeDA	100		10-130
STL02337	13C3 PFBS	81.5		40-135
STL02581	13C3 PFHxS	78.8		40-130
STL01054	13C8 PFOS	96.6		40-130
STL01056	13C8 FOSA	88.5		40-130
STL02118	d3-NMeFOSAA	87.5		40-170
STL02117	d5-NEtFOSAA	78.0		25-135
STL02395	M2-4:2 FTS	81.8		40-200
STL02279	M2-6:2 FTS	81.4		40-200
STL02280	M2-8:2 FTS	82.5		40-300
STL02255	13C3 HFPO-DA	94.2		40-130
STL02277	d7-N-MeFOSE-M	72.3		10-130
STL02278	d9-N-EtFOSE-M	66.7		10-130
STL02704	d5-NEtPFOSA	42.0		10-130
STL02705	d3-NMePFOSA	43.4		10-130
STL00998	13C2 PFDoA	127	cn	10-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR06-46.d
Lims ID: 410-209941-A-11-A
Client ID: EB-04-021925
Sample Type: Client
Inject. Date: 07-Mar-2025 04:20:41 ALS Bottle#: 38 Worklist Smp#: 42
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: 410-209941-A-11-A
Misc. Info.: Plate: 1 Rack: 1 410-0140106-042
Operator ID: ETUS023_USR_INS00054 Instrument ID: 30729

Method: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\30729_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 10-Mar-2025 15:13:58 Calib Date: 03-Mar-2025 20:03:32
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-08.d

Column 1 : Det: EXP1
Process Host: CTX1629

First Level Reviewer: RPU6 Date: 10-Mar-2025 15:12:45
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 3 13C4-PFBA										
216.80 > 171.90	4.413	4.450	-0.037	0.998	677745	1.83		91.3	21058	
* 4 13C3PFBA										
216.00 > 172.00	4.422	4.459	-0.037		839827	2.00			190	
D 9 13C5 PFPeA										
268.30 > 223.00	5.120	5.142	-0.022	0.908	516845	1.74		86.8	31504	
D 12 13C2-4:2FTS										
329.10 > 80.90	5.445	5.479	-0.034	0.807	300162	3.84		81.8	11071	
D 16 13C5 PFHxA										
318.00 > 273.00	5.641	5.676	-0.035	1.000	840870	1.74		86.8	50311	
* 17 13C2 PFHxA										
315.10 > 270.00	5.641	5.676	-0.035		2084310	5.00			94334	
D 19 13C3 PFBS										
302.10 > 79.90	5.777	5.818	-0.042	0.856	882123	1.52		81.5	44223	
D 23 13C3 HFPO-DA										
286.90 > 168.90	5.846	5.873	-0.027	1.036	891767	1.88		94.2	47797	
D 27 13C4 PFHpA										
367.10 > 322.00	6.097	6.135	-0.038	1.081	841507	1.80		90.1	46550	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.309	6.349	-0.040	0.935	299185	3.88		81.4	19726	
D 34 13C8 PFOA										
421.10 > 376.00	6.516	6.565	-0.049	1.000	874752	1.80		89.8	44753	
* 40 13C4 PFOA										
417.10 > 372.00	6.516	6.565	-0.049		2525488	5.00			86159	
* 38 18O2 PFHxS										
403.00 > 83.90	6.749	6.807	-0.058		894253	1.89			52357	
D 37 13C3 PFHxS										
402.10 > 79.90	6.749	6.807	-0.058	1.000	691224	1.49		78.8	30261	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 41 13C9 PFNA										
472.10 > 427.00	6.939	6.999	-0.060	1.000	712664	2.07		104	31254	
* 42 13C5 PFNA										
468.00 > 423.00	6.939	6.999	-0.060		702202	2.00			31319	
D 45 13C2-8:2FTS										
529.10 > 80.90	7.121	7.191	-0.070	1.055	328304	3.96		82.5	19578	
D 49 d3-NMeFOSAA										
573.20 > 419.00	7.290	7.357	-0.067	0.956	514503	4.37		87.5	28537	
* 51 13C2 PFDA										
515.10 > 470.10	7.358	7.426	-0.068		659995	2.00			35153	
D 52 13C6 PFDA										
519.10 > 474.10	7.358	7.426	-0.068	1.000	661146	1.95		97.4	26460	
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.469	7.536	-0.067	0.979	401398	3.90		78.0	20974	
* 57 13C4 PFOS										
502.80 > 79.90	7.627	7.714	-0.087		871253	1.91			49166	
D 56 13C8 PFOS										
507.10 > 79.90	7.627	7.714	-0.087	1.000	771725	1.85		96.8	25993	
D 59 13C7 PFUnA										
570.00 > 525.10	7.782	7.856	-0.074	1.058	782278	2.90		145	49154	
D 63 PFDoA										
615.10 > 570.00	8.165	8.254	-0.089	1.110	499946	2.54		127	30740	
D 66 13C8 FOSA										
506.10 > 77.80	8.351	8.382	-0.031	1.095	1225532	1.77		88.5	36696	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.852	8.955	-0.103	1.203	353004	2.01		100	18291	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.139	9.146	-0.007	1.198	419861	3.62		72.3	6935	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.234	9.241	-0.007	1.211	186132	0.8680		43.4	6534	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.336	9.330	0.006	1.224	472369	3.34		66.7	7340	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.395	9.401	-0.006	1.232	200019	0.8393		42.0	13172	

QC Flag Legend

Processing Flags

Reagents:

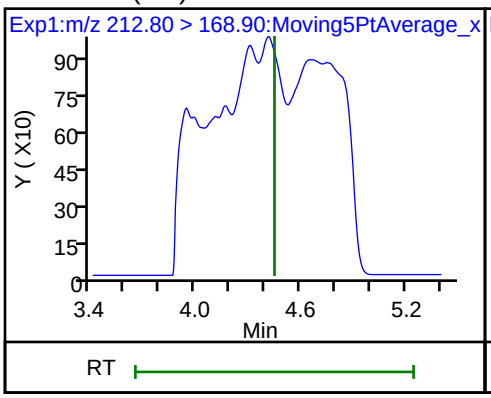
1633_125_IS_V_00235 Amount Added: 50.00 Units: uL

Report Date: 10-Mar-2025 15:15:32 Chrom Revision: 2.3 18-Feb-2025 08:41:40

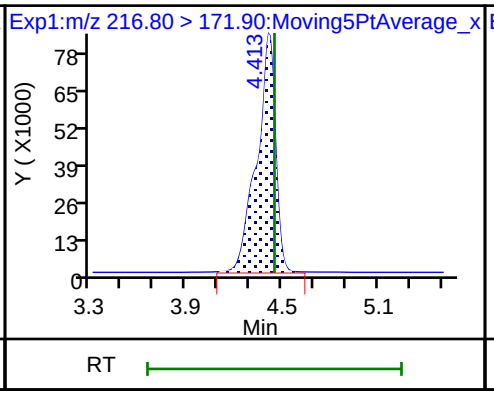
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR06-46.d				
Injection Date:	07-Mar-2025 04:20:41	Instrument ID:	30729		
Lims ID:	410-209941-A-11-A	Lab Sample ID:	410-209941-11		
Client ID:	EB-04-021925				
Operator ID:	ETUS023_USR_INS00054	ALS Bottle#:	38	Worklist Smp#:	42
Injection Vol:	7.0 ul	Dil. Factor:	1.0000		
Method:	30729_1633Final	Limit Group:	LC - 1633 LVI- ICAL		

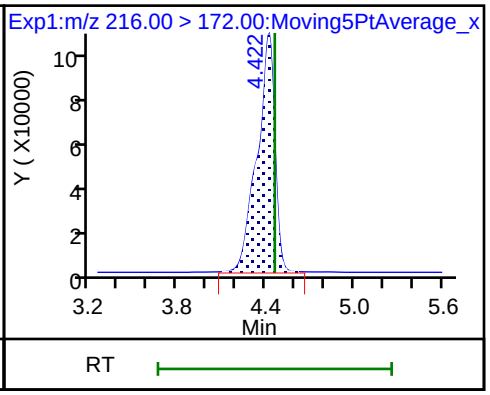
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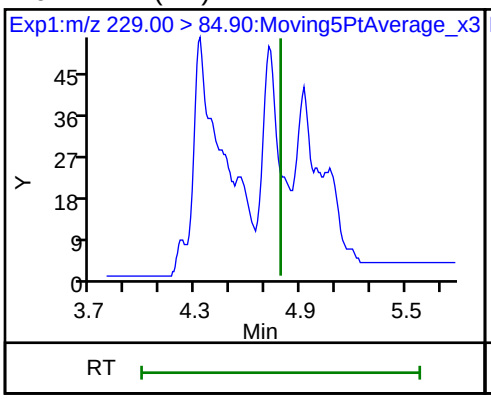
D 3 13C4-PFBA



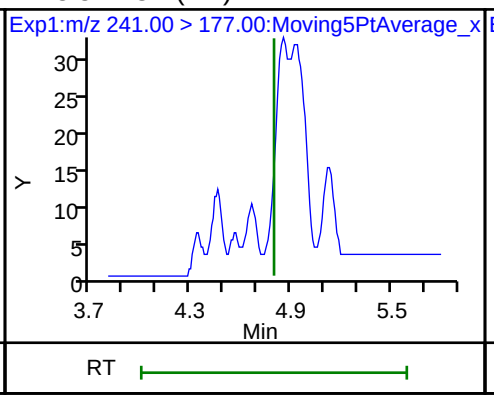
* 4 13C3PFBA



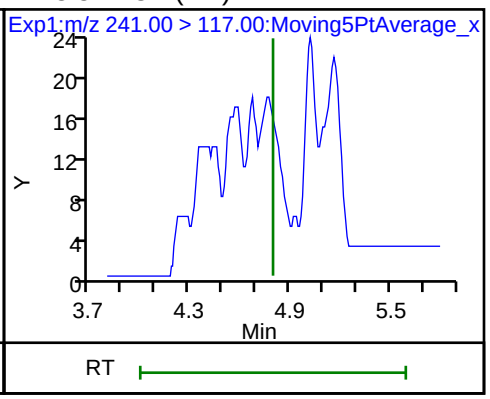
6 PFMPA (ND)



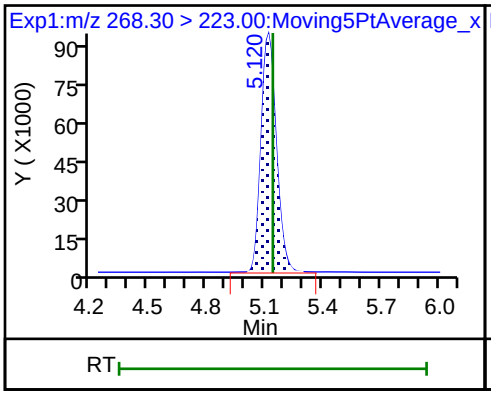
7 3:3 FTCA (ND)



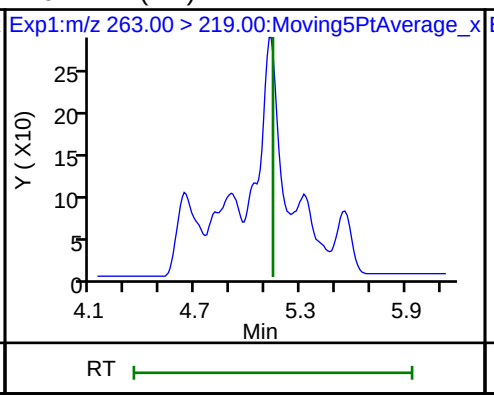
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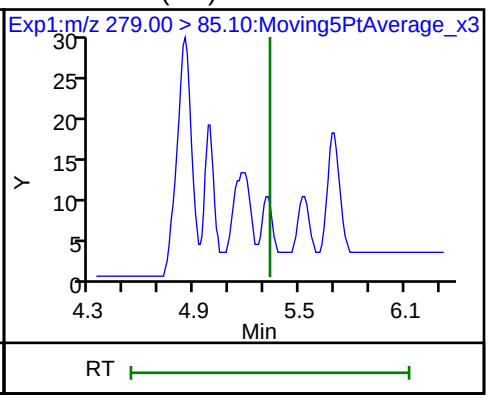
D 9 13C5 PFPeA



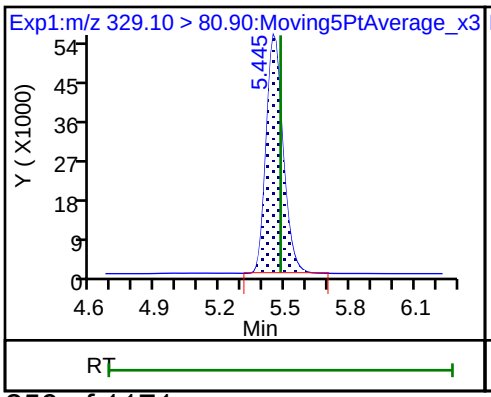
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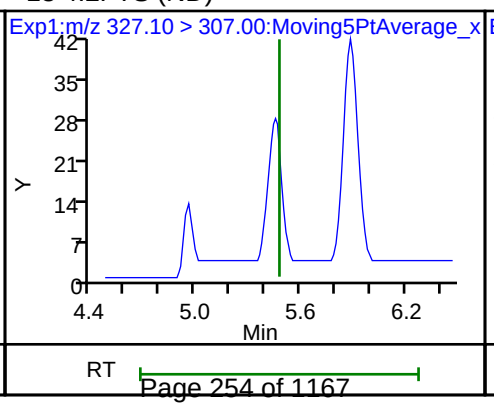
11 PFMBA (ND)



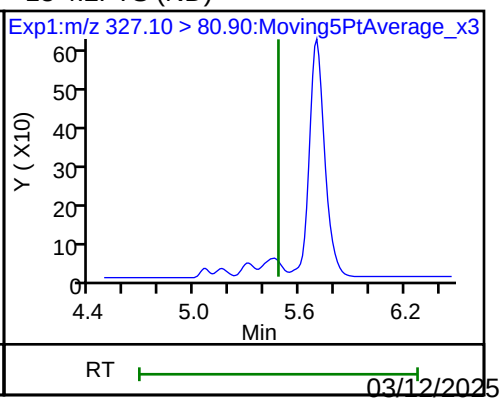
D 12 13C2-4:2FTS



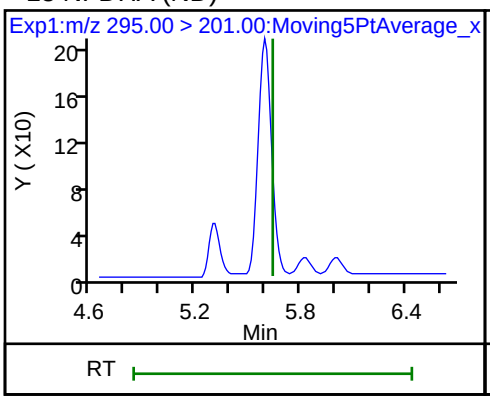
13 4:2FTS (ND)



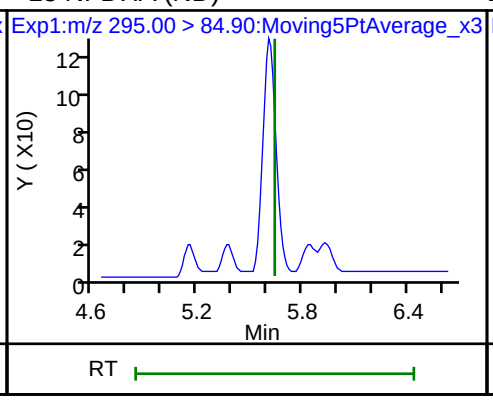
13 4:2FTS (ND)



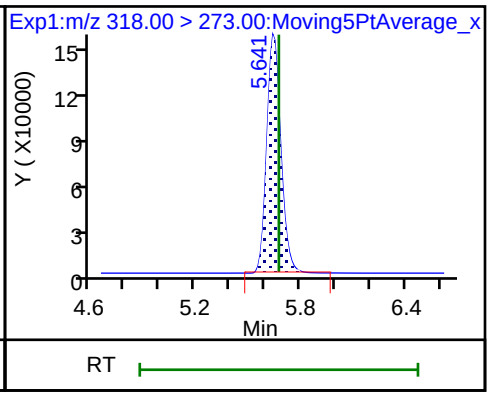
15 NFDHA (ND)



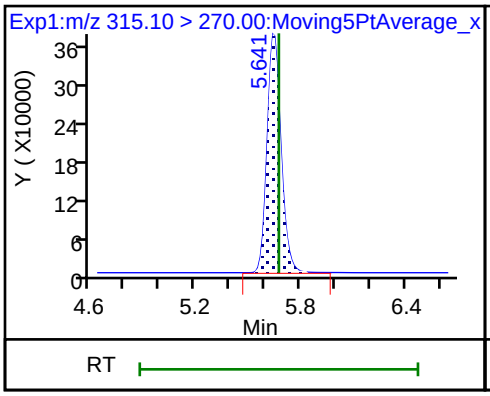
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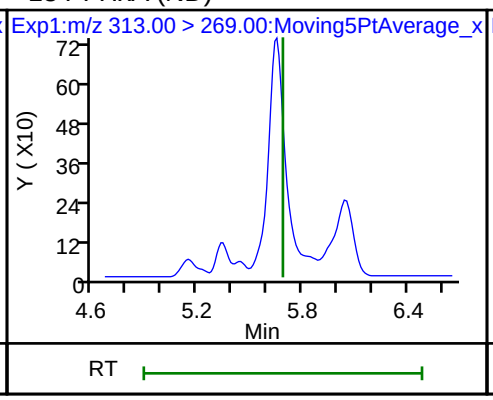
D 16 13C5 PFHxA



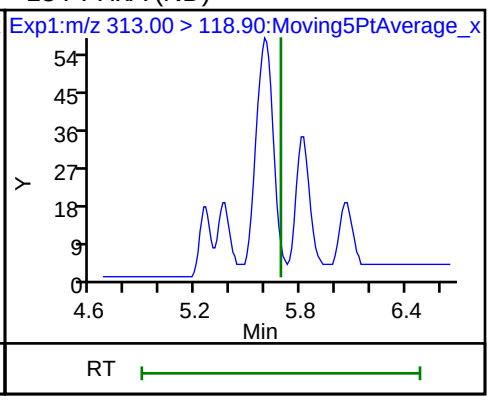
* 17 13C2 PFHxA



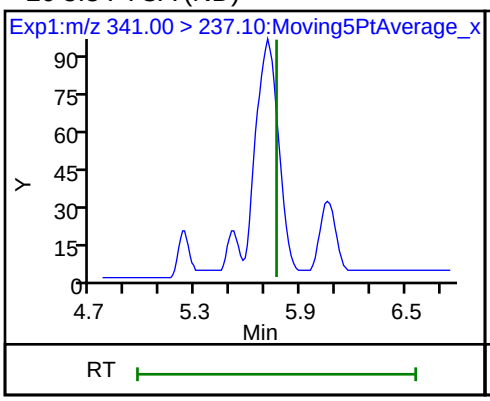
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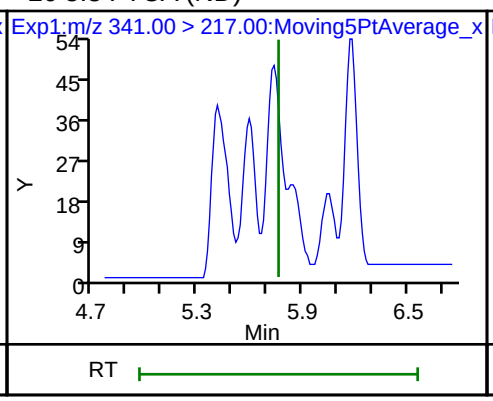
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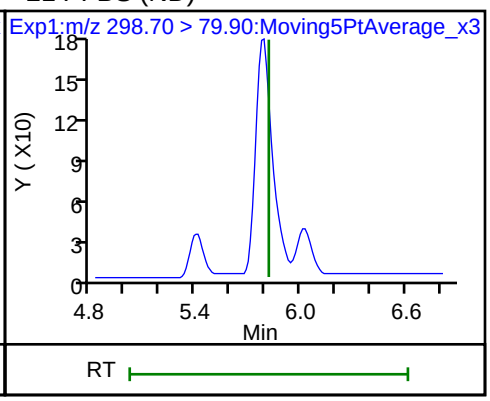
20 5:3 FTCA (ND)



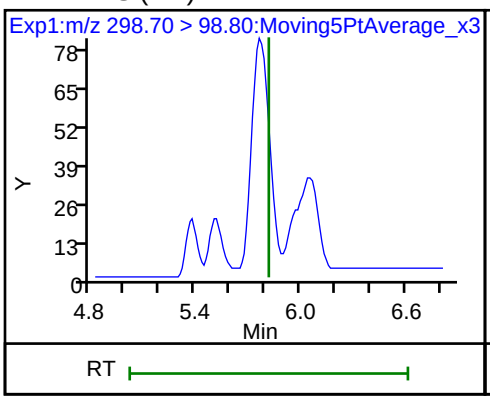
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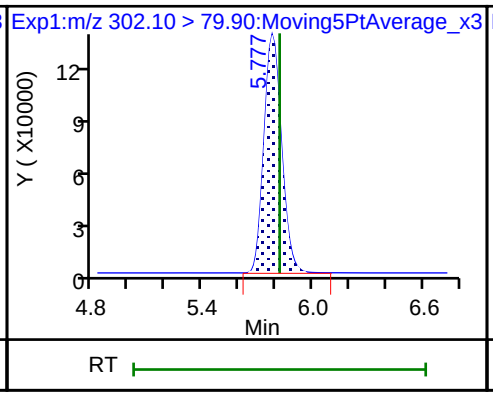
21 PFBS (ND)



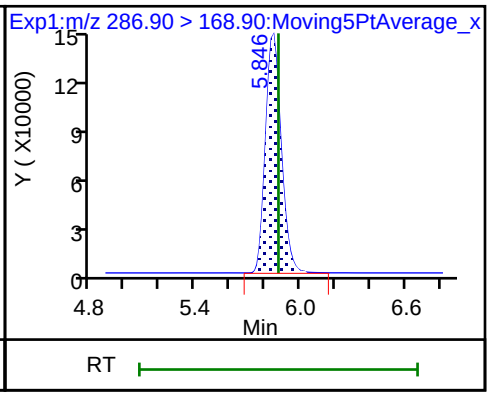
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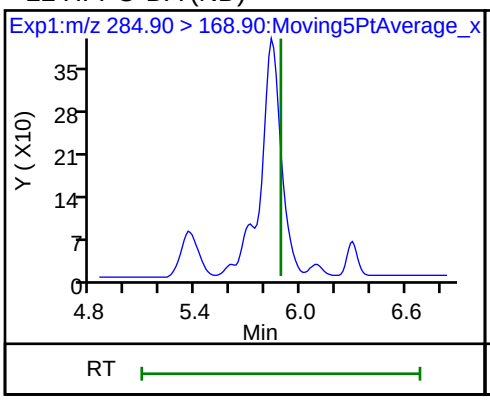
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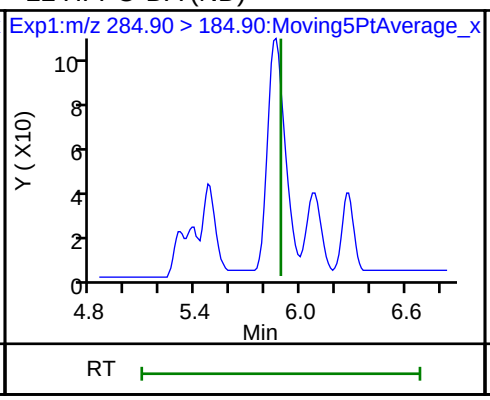
D 23 13C3 HFPO-DA



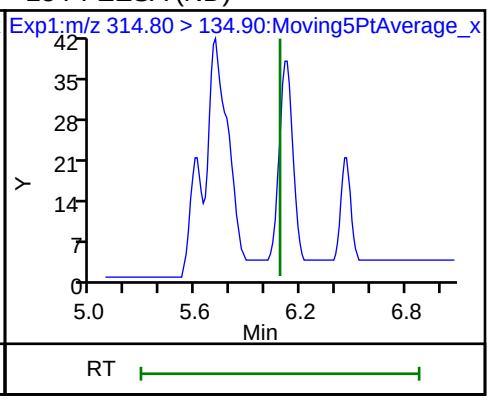
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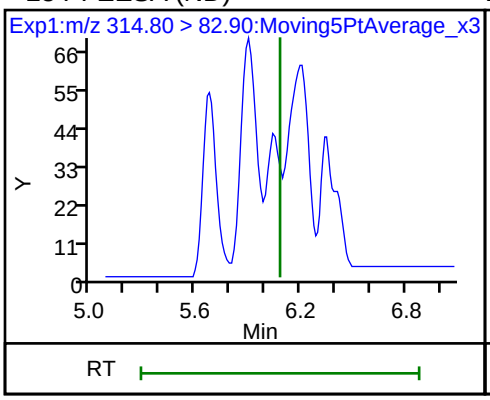
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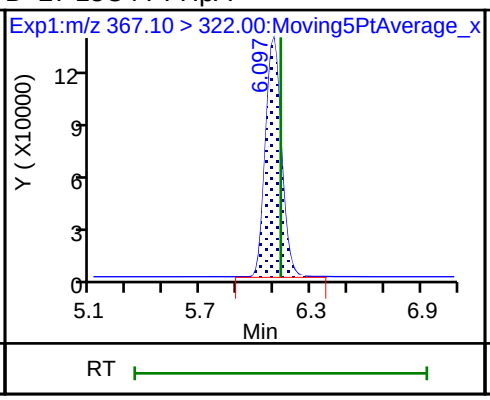
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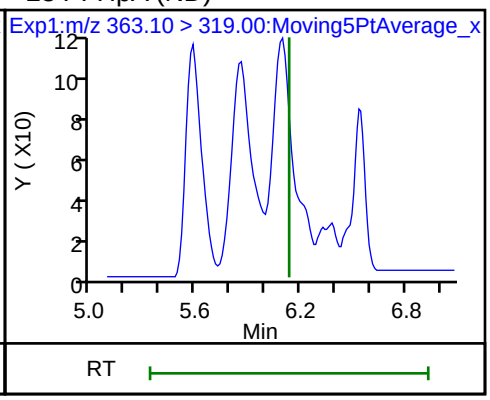
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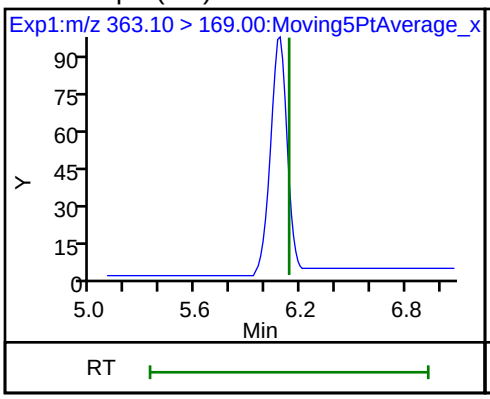
D 27 13C4 PFHpA



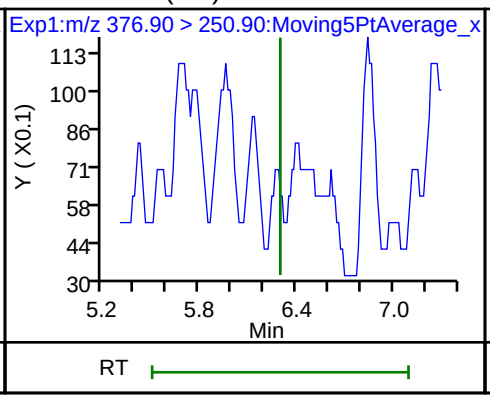
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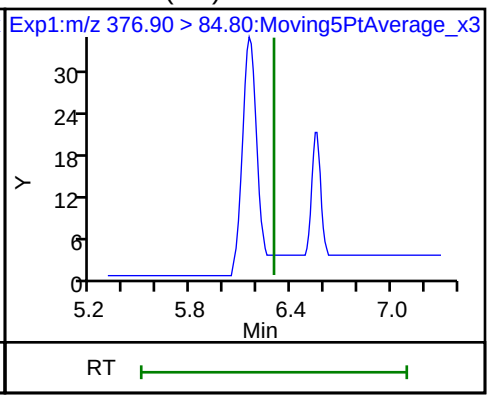
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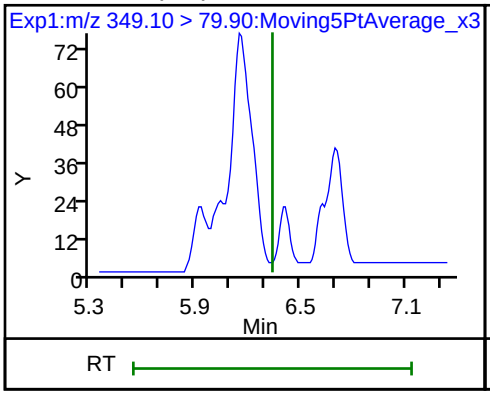
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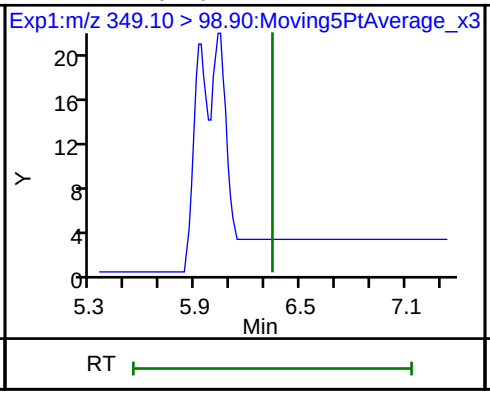
29 ADONA (ND)



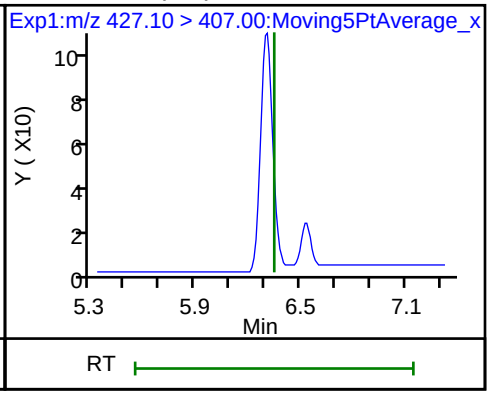
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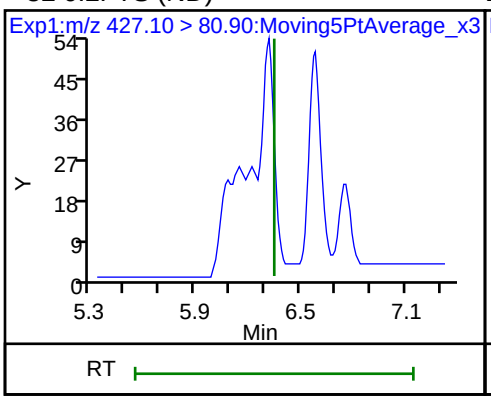
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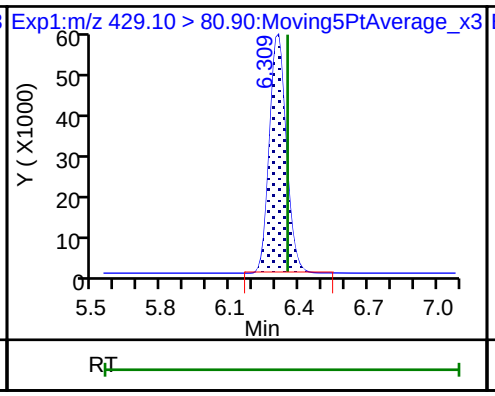
32 6:2FTS (ND)



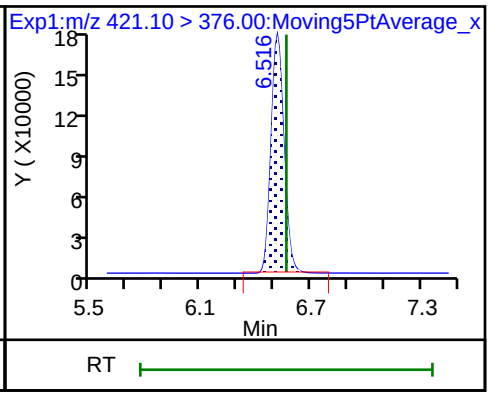
32 6:2FTS (ND)



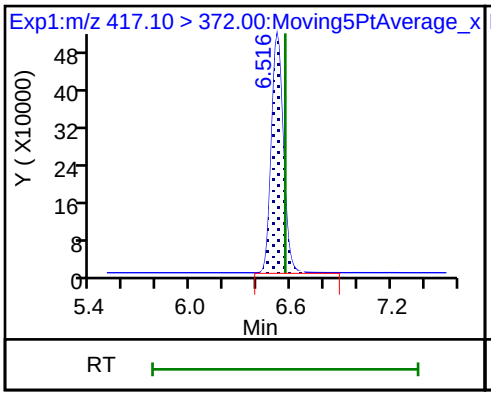
D 31 13C2-6:2FTS



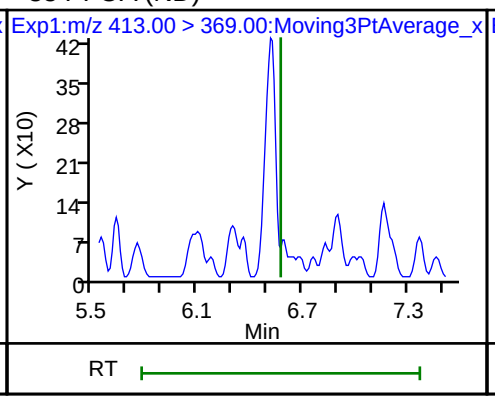
D 34 13C8 PFOA



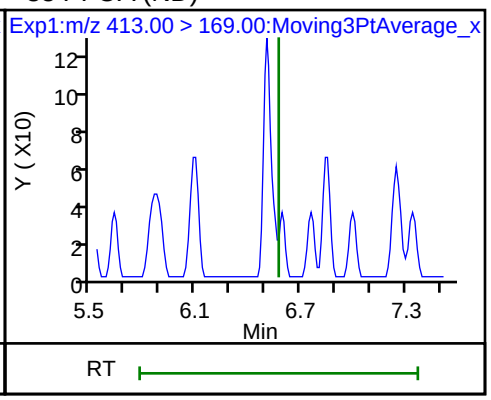
* 40 13C4 PFOA



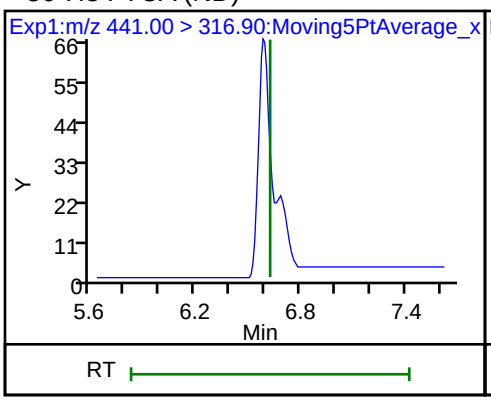
35 PFOA (ND)



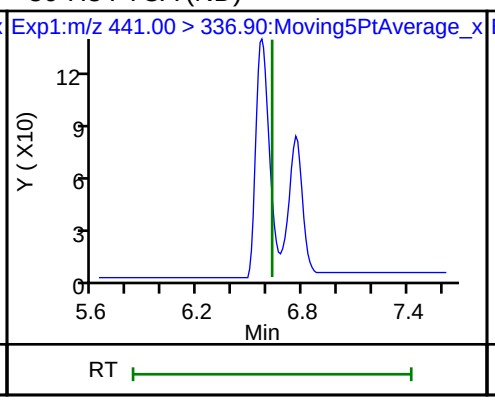
35 PFOA (ND)



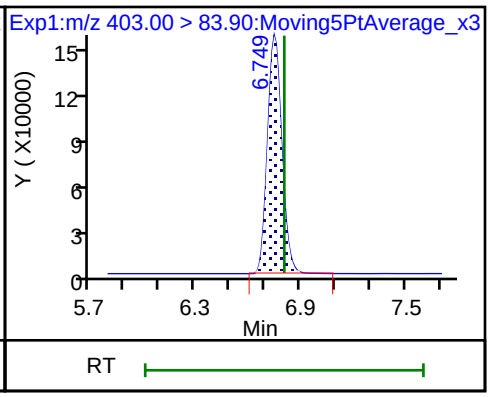
36 7:3 FTCA (ND)



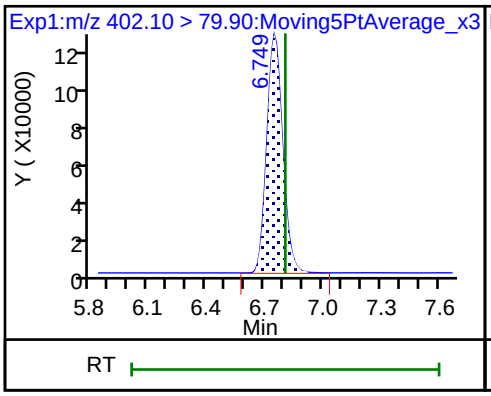
36 7:3 FTCA (ND)



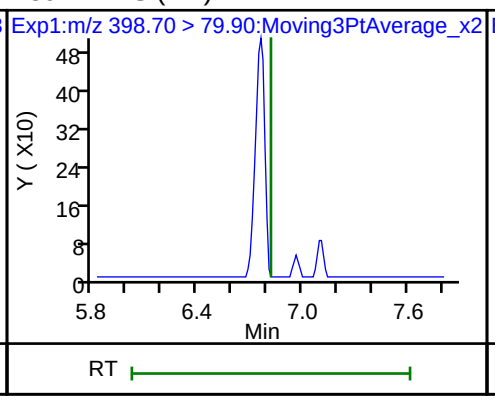
* 38 18O2 PFHxS



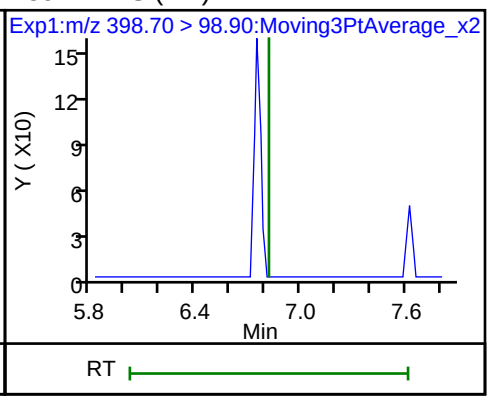
D 37 13C3 PFHxS



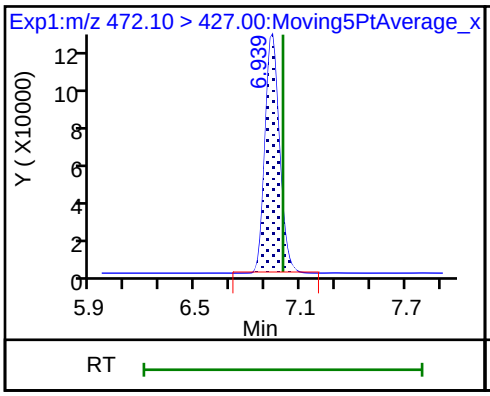
39 PFHxS (ND)



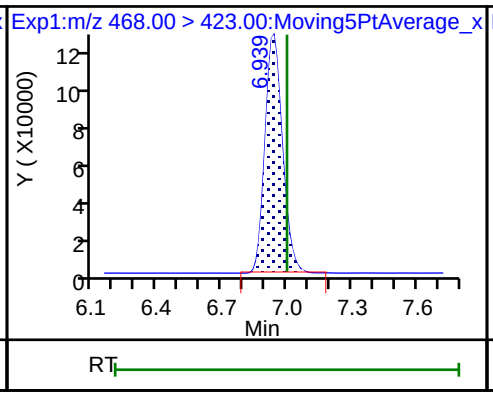
39 PFHxS (ND)



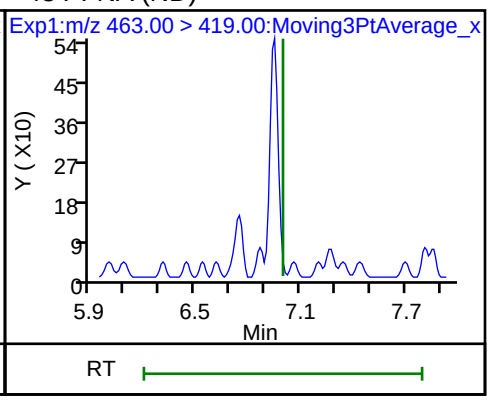
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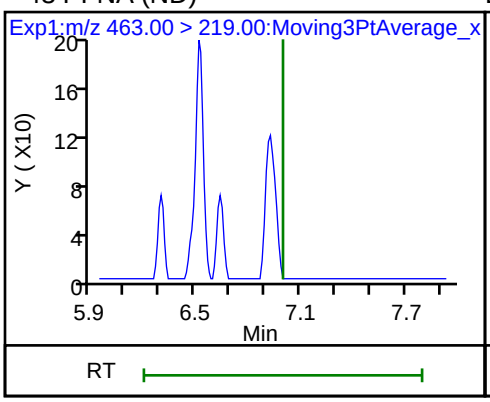
* 42 13C5 PFNA



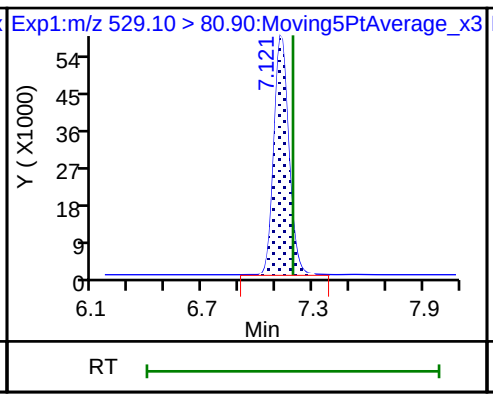
43 PFNA (ND)



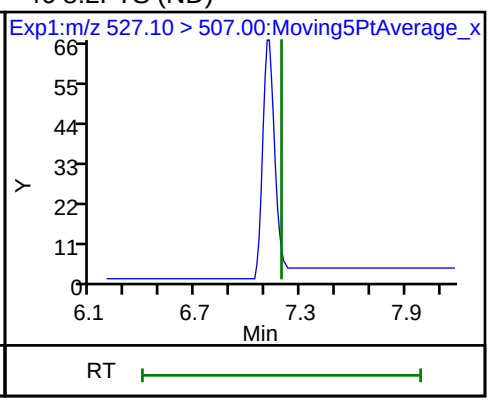
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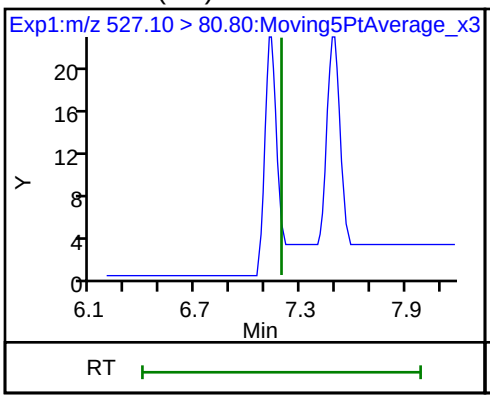
D 45 13C2-8:2FTS



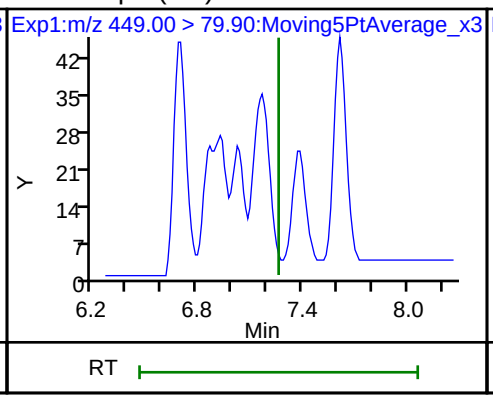
46 8:2FTS (ND)



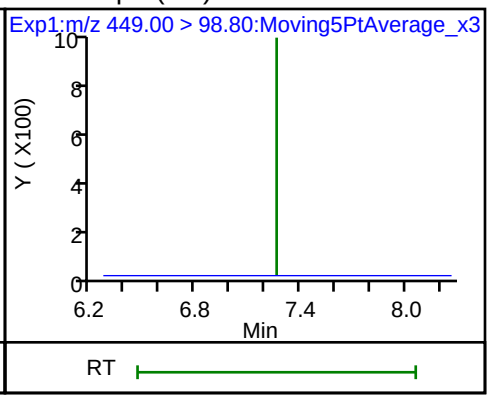
46 8:2FTS (ND)



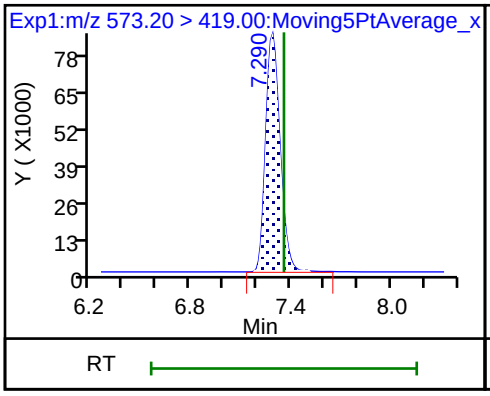
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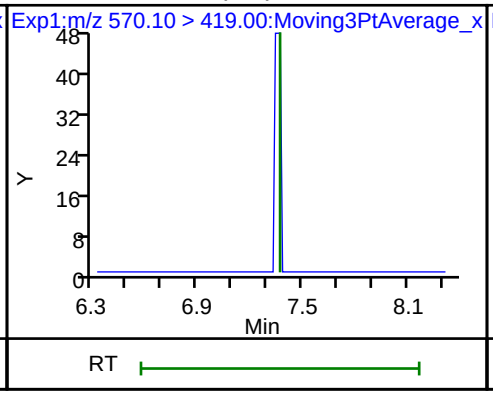
47 PFHpS (ND)



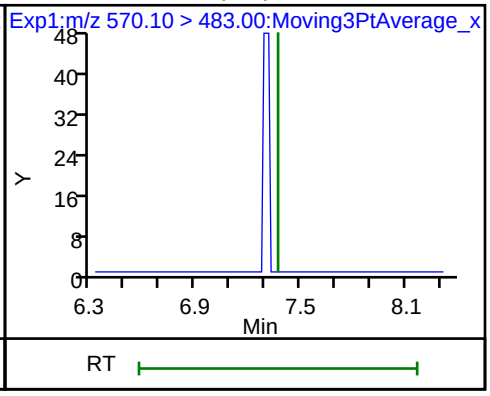
D 49 d3-NMeFOSAA



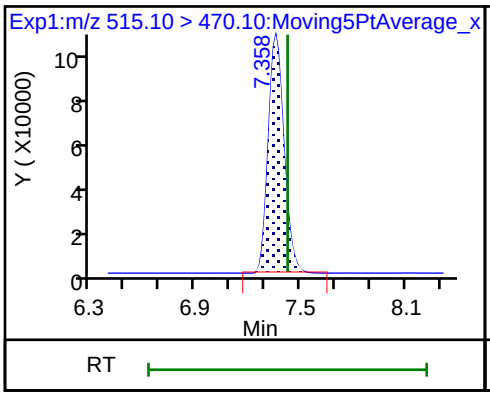
50 NMeFOSAA (ND)



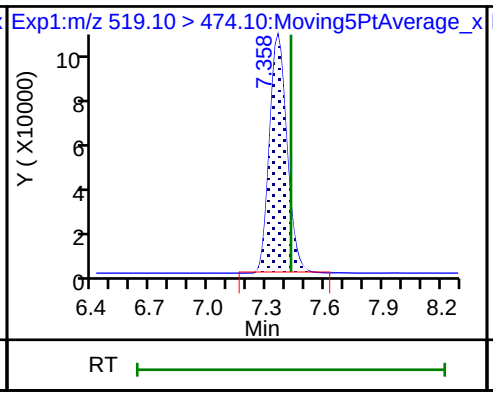
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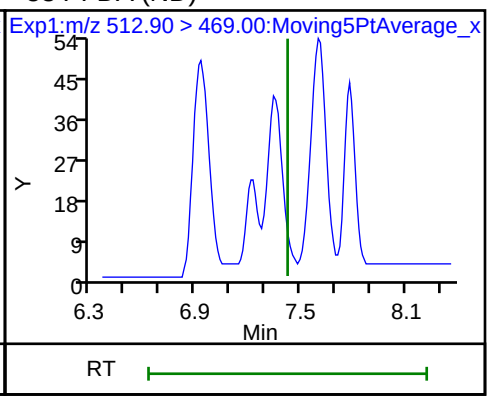
* 51 13C2 PFDA



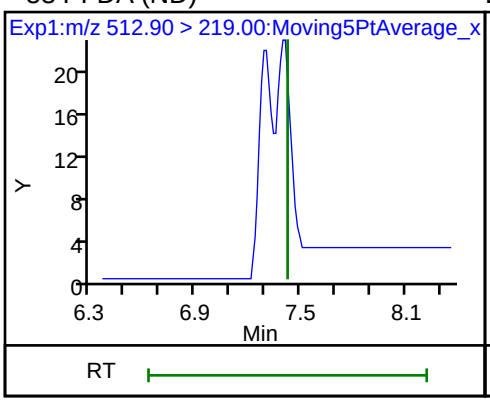
D 52 13C6 PFDA



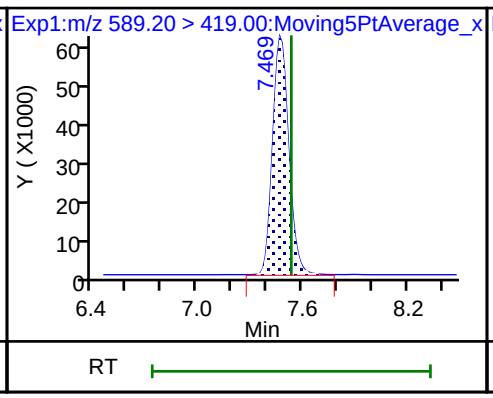
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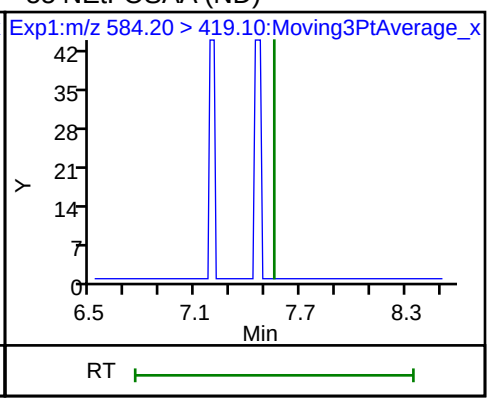
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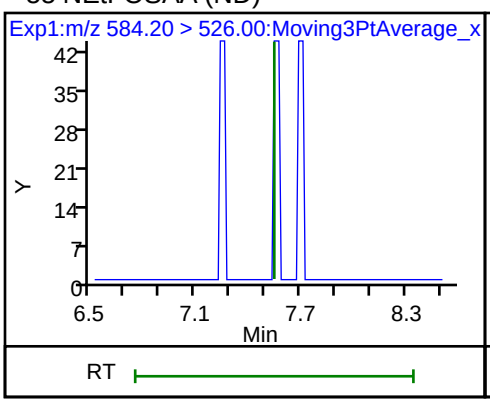
D 54 d5-NEtFOSAA



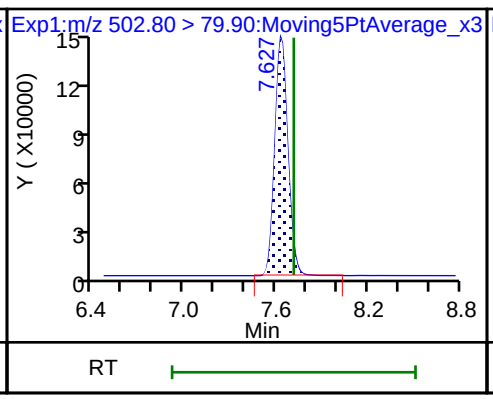
55 NEtFOSAA (ND)



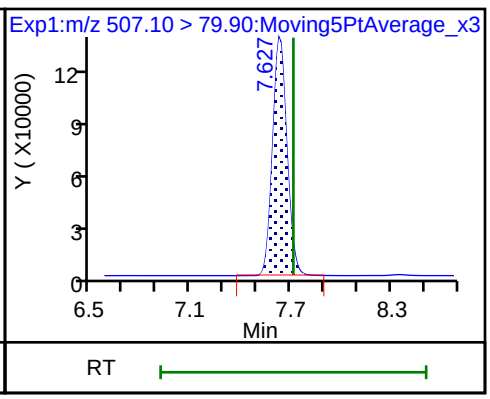
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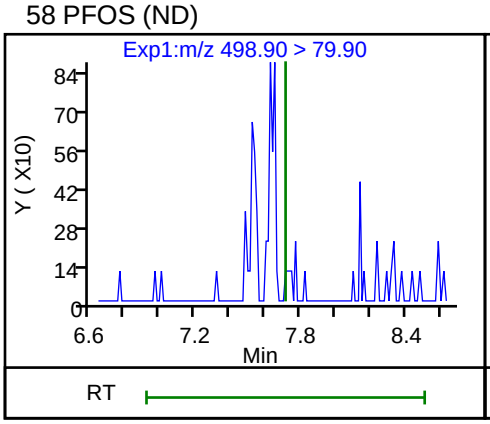
* 57 13C4 PFOS



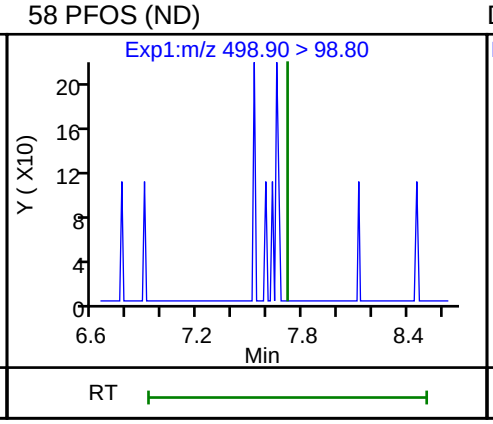
D 56 13C8 PFOS



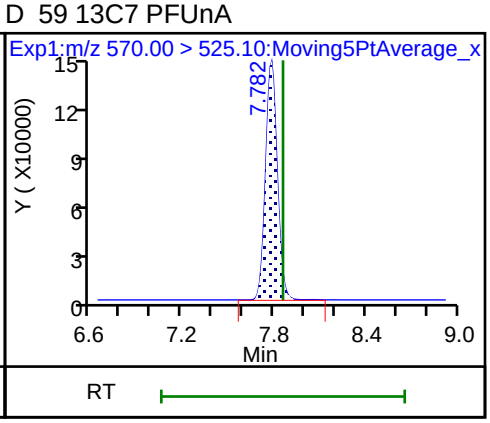
58 PFOS (ND)



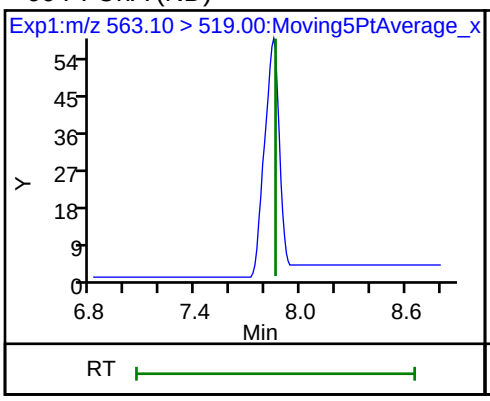
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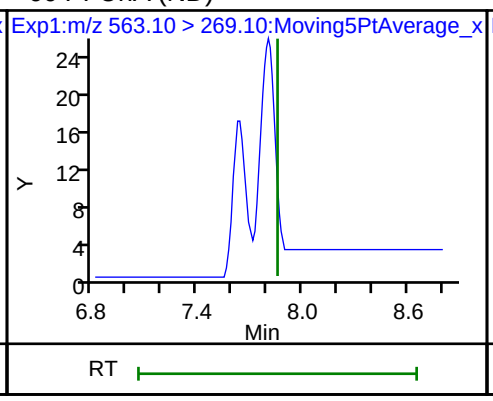
D 59 13C7 PFUnA



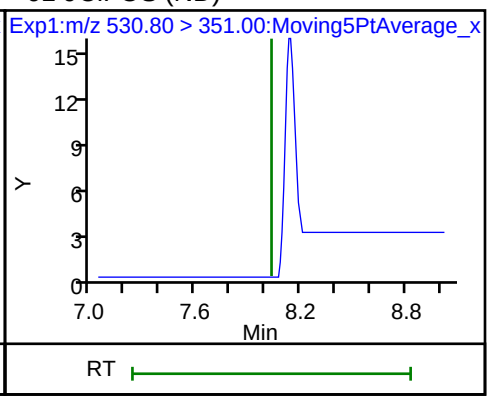
60 PFUnA (ND)



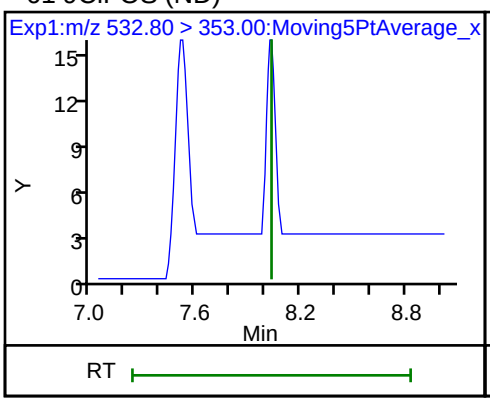
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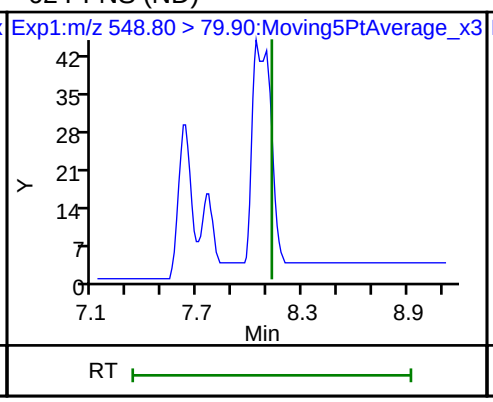
61 9ClFOS (ND)



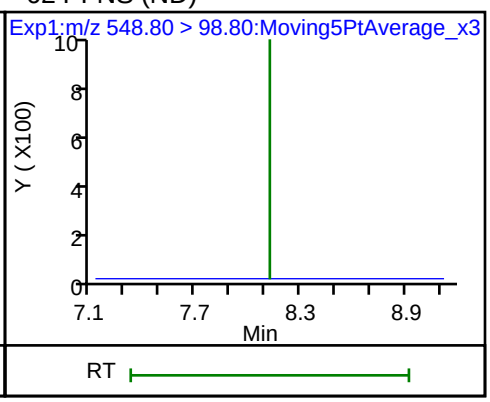
61 9ClFOS (ND)



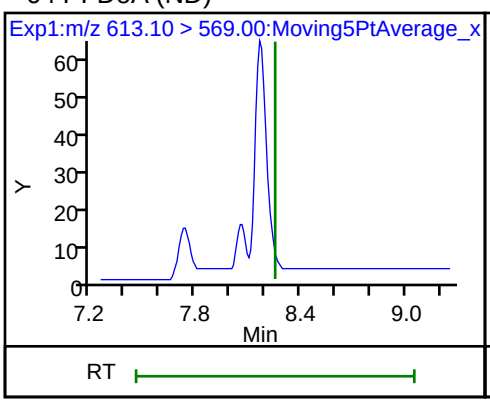
62 PFNS (ND)



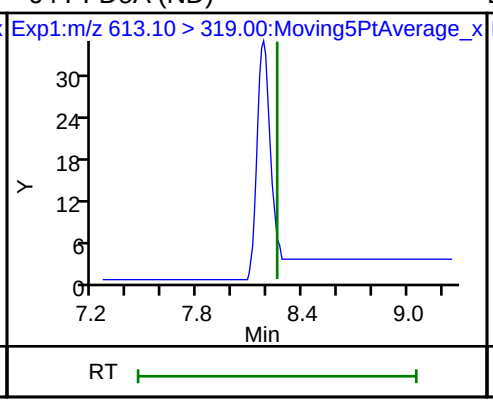
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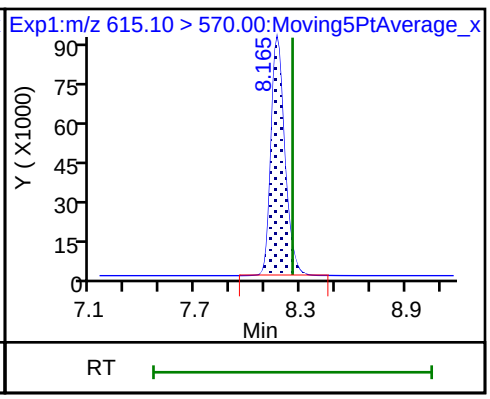
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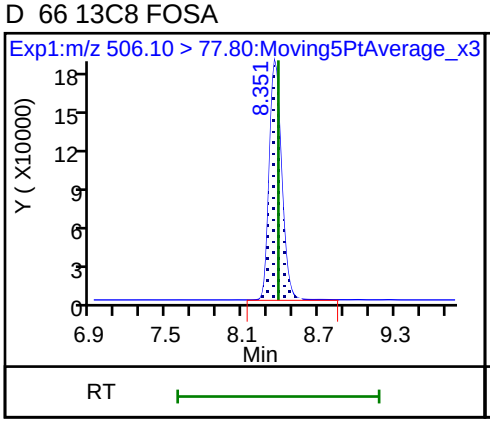
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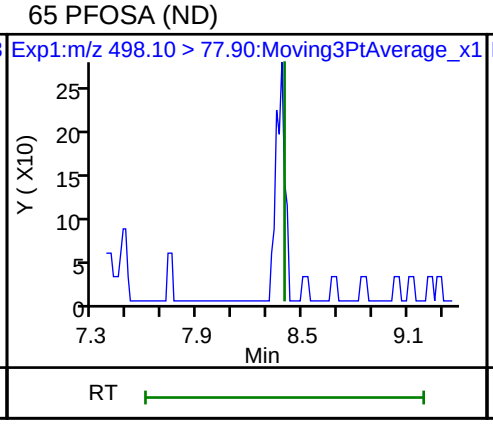
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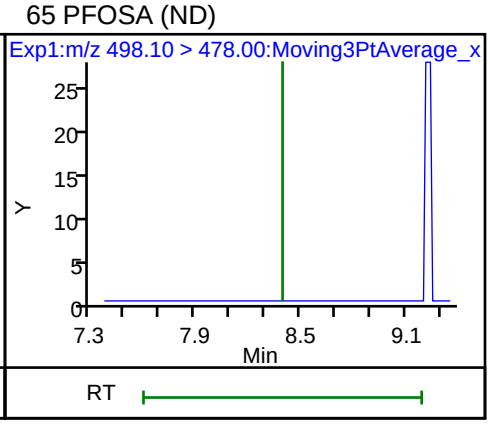
D 66 13C8 FOSA



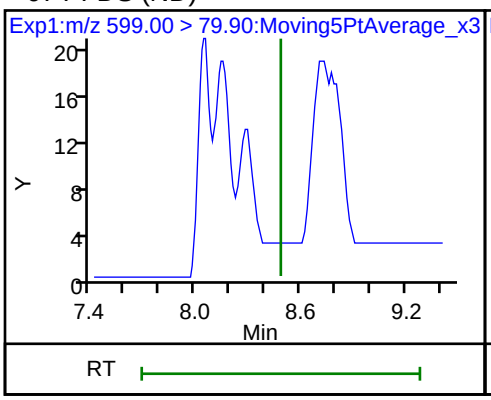
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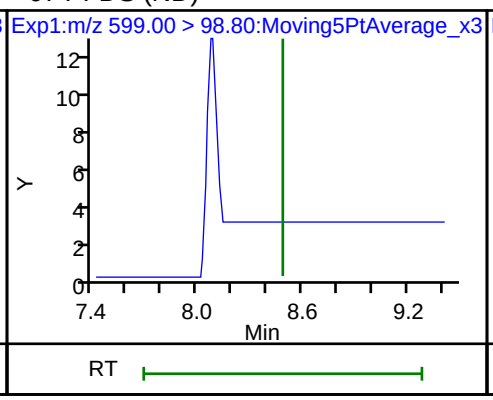
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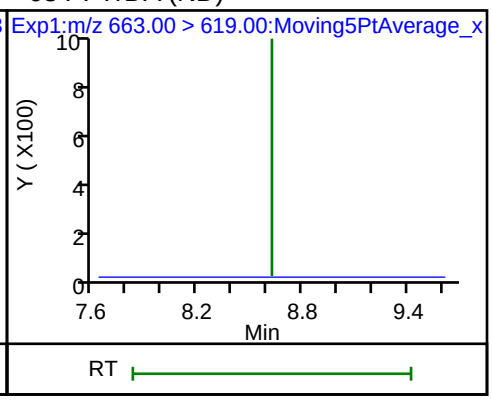
67 PFDS (ND)



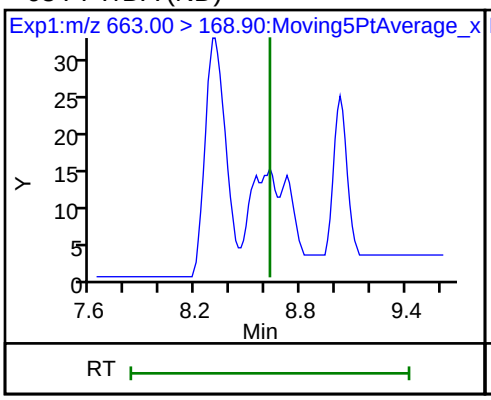
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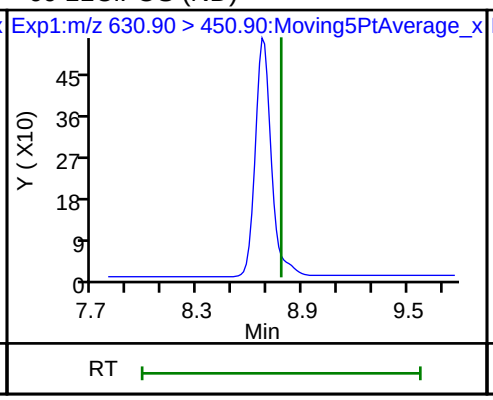
68 PFTrDA (ND)



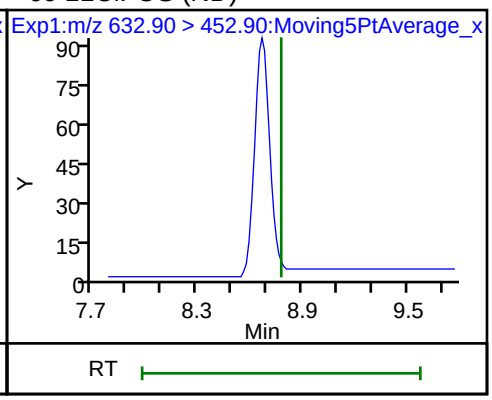
68 PFTrDA (ND)



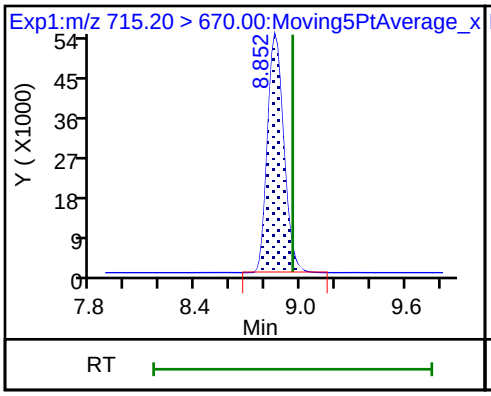
69 11ClFOS (ND)



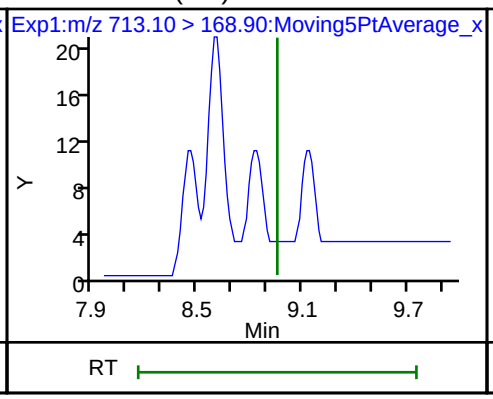
69 11ClFOS (ND)



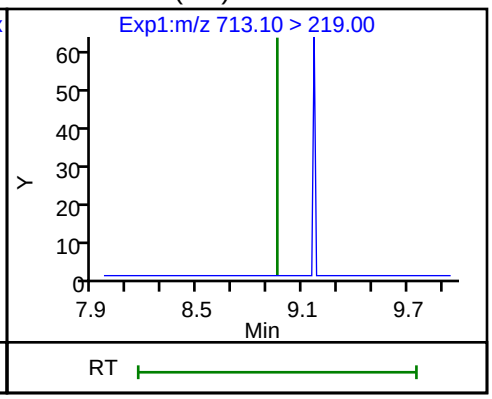
D 70 13C2 PFTeDA



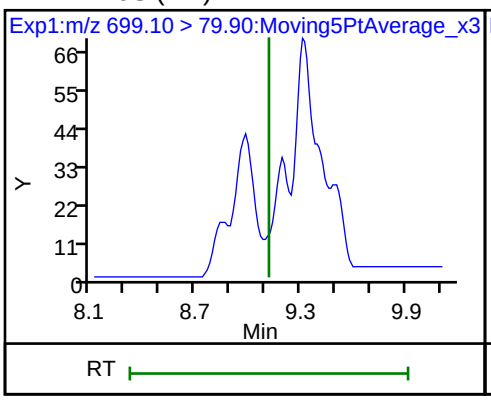
71 PFTeDA (ND)



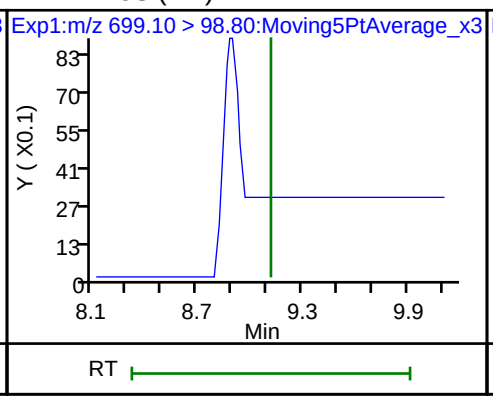
71 PFTeDA (ND)



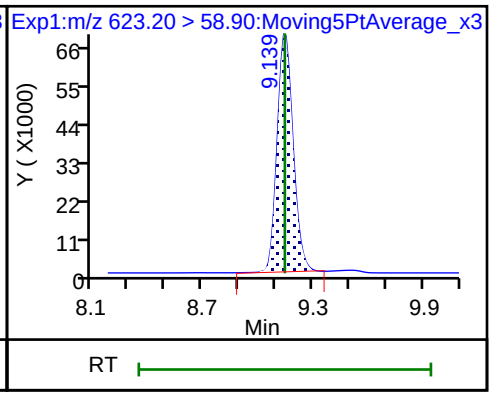
72 PFDoS (ND)



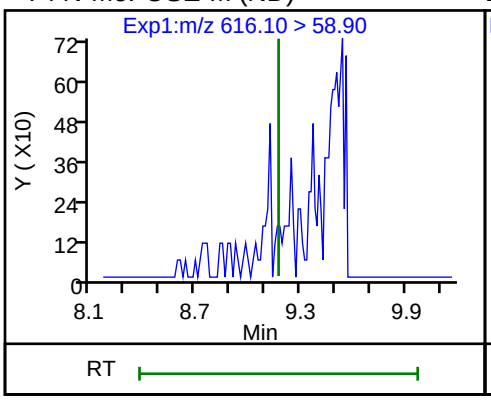
72 PFDoS (ND)



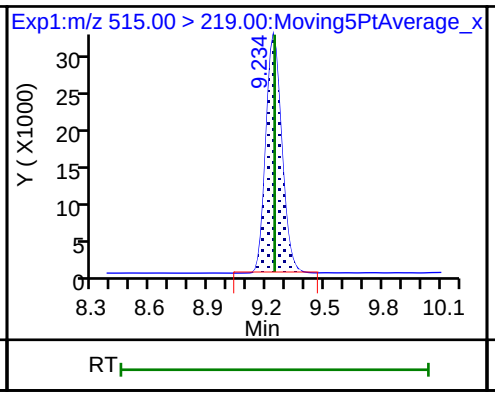
D 73 d7-N-Me-FOSE



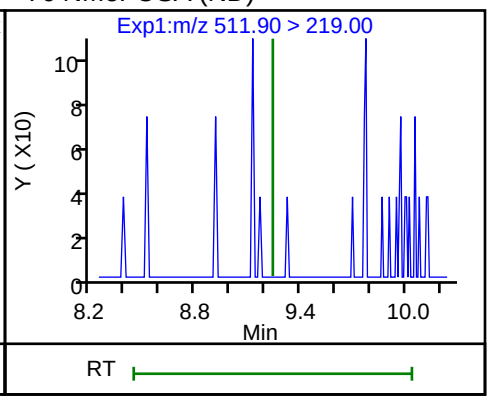
74 N-MeFOSE-M (ND)



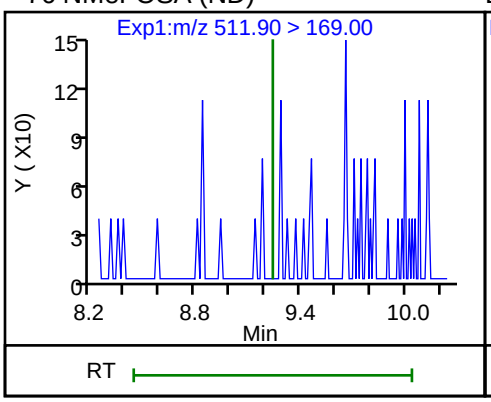
D 75 d3-NMePFOSA



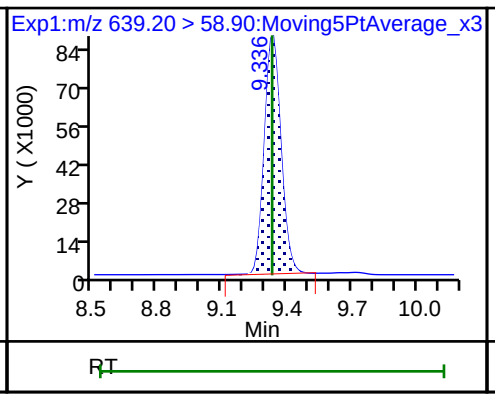
76 NMeFOSA (ND)



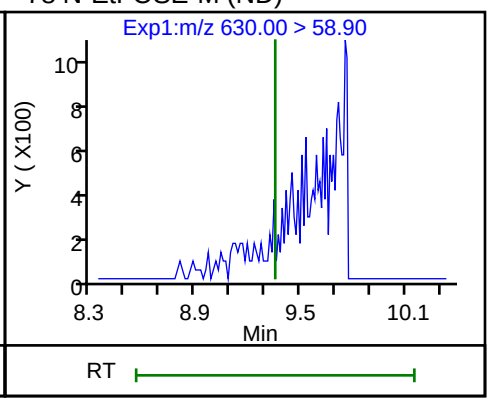
76 NMeFOSA (ND)



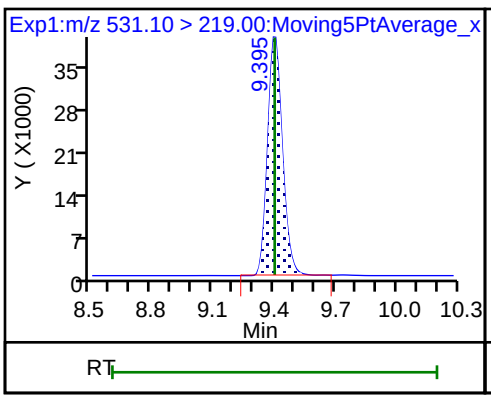
D 77 d9-N-EtFOSE



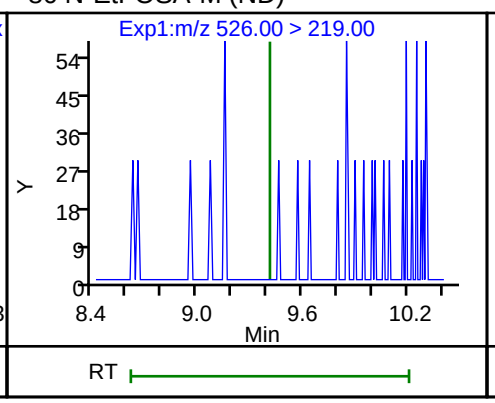
78 N-EtFOSE-M (ND)



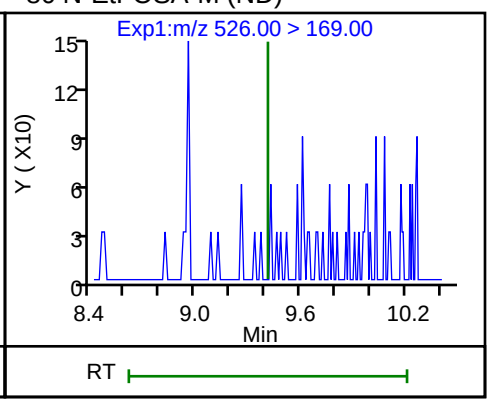
D 79 d5-NEtPFOSA



80 N-EtFOSA-M (ND)



80 N-EtFOSA-M (ND)



FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: FB-01-021925
Lab Sample ID: 410-209941-12

Matrix: Water
Lab File ID: 25MAR06-47.d

Analysis Method: 1633
Date Collected: 02/19/2025 16:00

Extraction Method: 1633
Date Extracted: 03/06/2025 08:30

Sample wt/vol: 136.9(mL)
Date Analyzed: 03/07/2025 04:34

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613851
Units: ng/L

Preparation Batch No.: 613587
Instrument ID: 30729

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	ND		3.7	1.0
2706-90-3	Perfluoropentanoic acid	ND		1.8	0.55
307-24-4	Perfluorohexanoic acid	ND		1.8	0.46
375-85-9	Perfluoroheptanoic acid	ND		1.8	0.73
335-67-1	Perfluorooctanoic acid	ND		1.8	0.82
375-95-1	Perfluorononanoic acid	ND		1.8	0.46
335-76-2	Perfluorodecanoic acid	ND		1.8	0.46
2058-94-8	Perfluoroundecanoic acid	ND		1.8	0.46
307-55-1	Perfluorododecanoic acid	ND		1.8	0.46
72629-94-8	Perfluorotridecanoic acid	ND		1.8	0.46
376-06-7	Perfluorotetradecanoic acid	ND		1.8	0.46
375-73-5	Perfluorobutanesulfonic acid	ND		1.8	0.46
2706-91-4	Perfluoropentanesulfonic acid	ND		1.8	0.46
355-46-4	Perfluorohexanesulfonic acid	ND		1.8	0.73
375-92-8	Perfluoroheptanesulfonic acid	ND		1.8	0.46
1763-23-1	Perfluorooctanesulfonic acid	ND		1.8	0.46
68259-12-1	Perfluorononanesulfonic acid	ND		1.8	0.46
335-77-3	Perfluorodecanesulfonic acid	ND		1.8	0.46
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.55
757124-72-4	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		3.7	0.91
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		3.7	0.91
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		3.7	0.91
754-91-6	Perfluorooctanesulfonamide	ND		1.8	0.46
31506-32-8	NMeFOSA	ND		1.8	0.46
4151-50-2	N-ethylperfluoro-1-octanesulfonamide	ND		1.8	0.46
2355-31-9	NMeFOSAA	ND		1.8	0.46
2991-50-6	NEtFOSAA	ND		1.8	0.46

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: FB-01-021925
Lab Sample ID: 410-209941-12

Matrix: Water
Lab File ID: 25MAR06-47.d

Analysis Method: 1633
Date Collected: 02/19/2025 16:00

Extraction Method: 1633
Date Extracted: 03/06/2025 08:30

Sample wt/vol: 136.9(mL)
Date Analyzed: 03/07/2025 04:34

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613851
Units: ng/L

Preparation Batch No.: 613587
Instrument ID: 30729

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
24448-09-7	2-(N-methylperfluoro-1-octanesulfonamido) ethanol	ND		9.1	2.3
1691-99-2	2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	ND		9.1	2.3
13252-13-6	HFPO-DA	ND		1.8	0.68
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.46
377-73-1	Perfluoro-3-methoxypropanoic acid	ND		1.8	0.46
863090-89-5	Perfluoro(4-methoxybutanoic acid)	ND		1.8	0.46
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid	ND		1.8	0.46
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND	cn	1.8	0.46
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		1.8	0.46
113507-82-7	PFEESA	ND		1.8	0.46
356-02-5	3:3 FTCA	ND		3.7	0.91
914637-49-3	5:3 FTCA	ND		9.1	2.6
812-70-4	7:3 FTCA	ND		9.1	2.3

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: FB-01-021925
Lab Sample ID: 410-209941-12

Matrix: Water
Lab File ID: 25MAR06-47.d

Analysis Method: 1633
Date Collected: 02/19/2025 16:00

Extraction Method: 1633
Date Extracted: 03/06/2025 08:30

Sample wt/vol: 136.9(mL)
Date Analyzed: 03/07/2025 04:34

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture:
% Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613851
Units: ng/L

Preparation Batch No.: 613587
Instrument ID: 30729

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	91.9		5-130
STL01893	13C5 PFPeA	92.4		40-130
STL02577	13C5 PFHxA	98.5		40-130
STL01892	13C4 PFHpA	99.1		40-130
STL01052	13C8 PFOA	93.5		40-130
STL02578	13C9 PFNA	113		40-130
STL02579	13C6 PFDA	94.0		40-130
STL02580	13C7 PFUnA	138	*5+ cn	30-130
STL02116	13C2 PFTeDA	84.9		10-130
STL02337	13C3 PFBS	84.9		40-135
STL02581	13C3 PFHxS	90.5		40-130
STL01054	13C8 PFOS	93.1		40-130
STL01056	13C8 FOSA	87.4		40-130
STL02118	d3-NMeFOSAA	77.0		40-170
STL02117	d5-NEtFOSAA	78.0		25-135
STL02395	M2-4:2 FTS	90.6		40-200
STL02279	M2-6:2 FTS	96.2		40-200
STL02280	M2-8:2 FTS	86.0		40-300
STL02255	13C3 HFPO-DA	101		40-130
STL02277	d7-N-MeFOSE-M	66.3		10-130
STL02278	d9-N-EtFOSE-M	65.5		10-130
STL02704	d5-NEtPFOSA	43.3		10-130
STL02705	d3-NMePFOSA	43.2		10-130
STL00998	13C2 PFDoA	129	cn	10-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR06-47.d
Lims ID: 410-209941-A-12-A
Client ID: FB-01-021925
Sample Type: Client
Inject. Date: 07-Mar-2025 04:34:47 ALS Bottle#: 39 Worklist Smp#: 43
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: 410-209941-A-12-A
Misc. Info.: Plate: 1 Rack: 1 410-0140106-043
Operator ID: ETUS023_USR_INS00054 Instrument ID: 30729

Method: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\30729_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 10-Mar-2025 15:13:58 Calib Date: 03-Mar-2025 20:03:32
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-08.d

Column 1 : Det: EXP1
Process Host: CTX1629

First Level Reviewer: RPU6 Date: 10-Mar-2025 15:13:14
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 3 13C4-PFBA										
216.80 > 171.90	4.422	4.450	-0.028	1.000	712027	1.84		91.9	31119	
* 4 13C3PFBA										
216.00 > 172.00	4.422	4.459	-0.037		876913	2.00			216	
D 9 13C5 PFPeA										
268.30 > 223.00	5.118	5.142	-0.024	0.906	538244	1.85		92.4	34077	
D 12 13C2-4:2FTS										
329.10 > 80.90	5.454	5.479	-0.025	0.808	326975	4.25		90.6	12308	
D 16 13C5 PFHxA										
318.00 > 273.00	5.652	5.676	-0.024	1.000	932970	1.97		98.5	56734	
* 17 13C2 PFHxA										
315.10 > 270.00	5.652	5.676	-0.024		2037316	5.00			92430	
D 19 13C3 PFBS										
302.10 > 79.90	5.776	5.818	-0.042	0.856	904295	1.58		84.9	47224	
D 23 13C3 HFPO-DA										
286.90 > 168.90	5.845	5.873	-0.028	1.034	937601	2.03		101	51095	
D 27 13C4 PFHpA										
367.10 > 322.00	6.096	6.135	-0.039	1.079	904413	1.98		99.1	50414	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.308	6.349	-0.041	0.935	348001	4.58		96.2	23369	
D 34 13C8 PFOA										
421.10 > 376.00	6.515	6.565	-0.050	1.000	917163	1.87		93.5	62450	
* 40 13C4 PFOA										
417.10 > 372.00	6.515	6.565	-0.050		2544569	5.00			129014	
* 38 18O2 PFHxS										
403.00 > 83.90	6.748	6.807	-0.059		879963	1.89			51935	
D 37 13C3 PFHxS										
402.10 > 79.90	6.748	6.807	-0.059	1.000	781500	1.72		90.5	46154	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 41 13C9 PFNA										
472.10 > 427.00	6.926	6.999	-0.073	1.000	861212	2.25		113	51512	
* 42 13C5 PFNA										
468.00 > 423.00	6.926	6.999	-0.073		779572	2.00			46748	
D 45 13C2-8:2FTS										
529.10 > 80.90	7.120	7.191	-0.071	1.055	336594	4.13		86.0	20056	
D 49 d3-NMeFOSAA										
573.20 > 419.00	7.288	7.357	-0.069	0.956	516098	3.85		77.0	28770	
* 51 13C2 PFDA										
515.10 > 470.10	7.356	7.426	-0.070		745394	2.00			39715	
D 52 13C6 PFDA										
519.10 > 474.10	7.356	7.426	-0.070	1.000	720668	1.88		94.0	28613	
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.467	7.536	-0.069	0.979	457730	3.90		78.0	24329	
* 57 13C4 PFOS										
502.80 > 79.90	7.626	7.714	-0.088		993458	1.91			56175	
D 56 13C8 PFOS										
507.10 > 79.90	7.626	7.714	-0.088	1.000	847934	1.78		93.3	28839	
D 59 13C7 PFUnA										
570.00 > 525.10	7.781	7.856	-0.075	1.058	841050	2.76		138	52833	
D 63 PFDoA										
615.10 > 570.00	8.164	8.254	-0.090	1.110	573709	2.58		129	34945	
D 66 13C8 FOSA										
506.10 > 77.80	8.365	8.382	-0.017	1.097	1379642	1.75		87.4	33935	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.850	8.955	-0.105	1.203	337596	1.70		84.9	17111	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.152	9.146	0.006	1.200	438704	3.31		66.3	8121	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.233	9.241	-0.008	1.211	211385	0.8645		43.2	7365	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.336	9.330	0.006	1.224	528528	3.27		65.5	7574	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.406	9.401	0.005	1.233	235483	0.8666		43.3	15705	

QC Flag Legend

Processing Flags

Reagents:

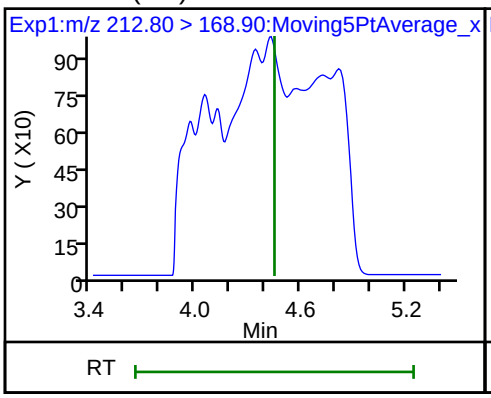
1633_125_IS_V_00235 Amount Added: 50.00 Units: uL

Report Date: 10-Mar-2025 15:15:40 Chrom Revision: 2.3 18-Feb-2025 08:41:40

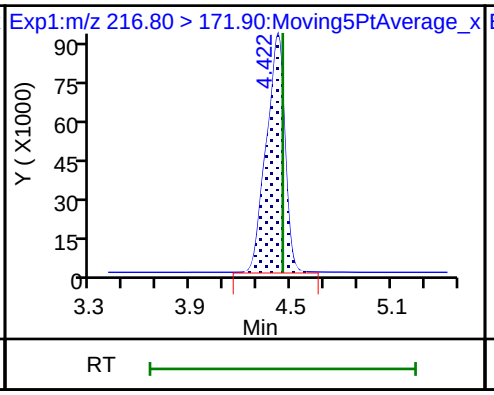
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR06-47.d				
Injection Date:	07-Mar-2025 04:34:47	Instrument ID:	30729		
Lims ID:	410-209941-A-12-A	Lab Sample ID:	410-209941-12		
Client ID:	FB-01-021925				
Operator ID:	ETUS023_USR_INS00054	ALS Bottle#:	39	Worklist Smp#:	43
Injection Vol:	7.0 ul	Dil. Factor:	1.0000		
Method:	30729_1633Final	Limit Group:	LC - 1633 LVI- ICAL		

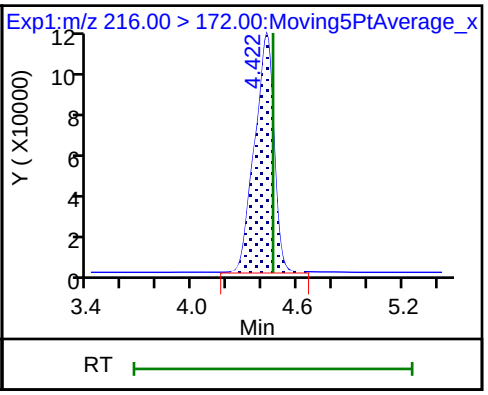
5 PFBA (ND)



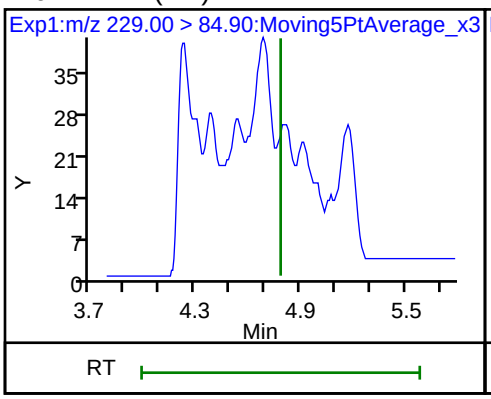
D 3 13C4-PFBA



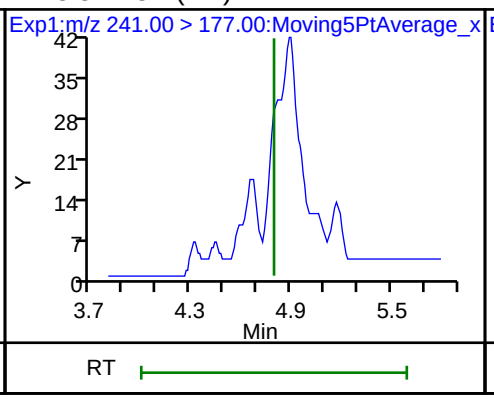
* 4 13C3PFBA



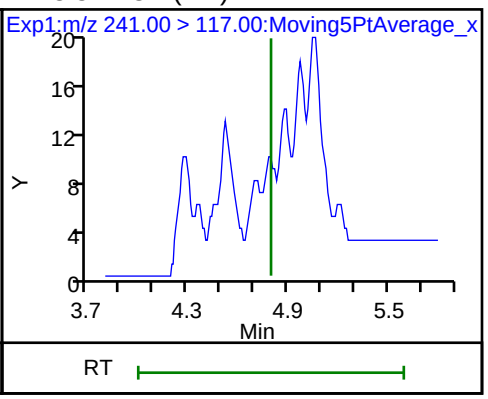
6 PFMPA (ND)



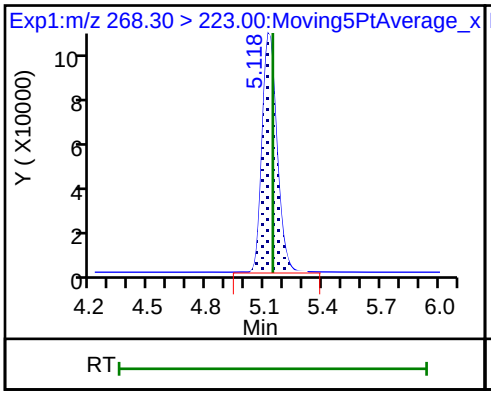
7 3:3 FTCA (ND)



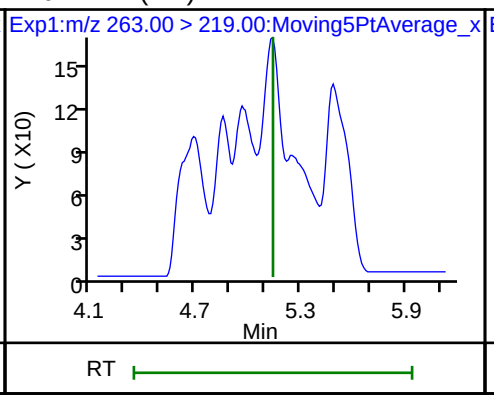
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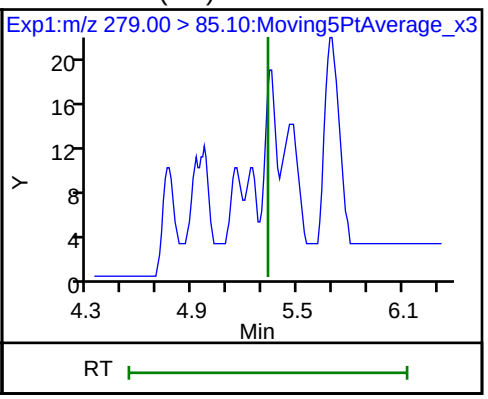
D 9 13C5 PFPeA



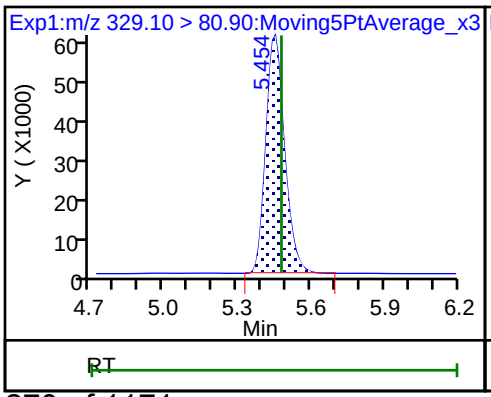
10 PFPA (ND)



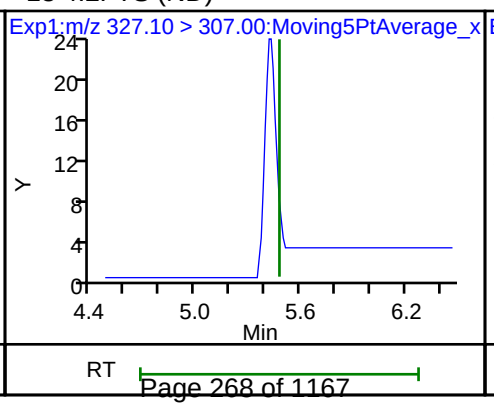
11 PFMBA (ND)



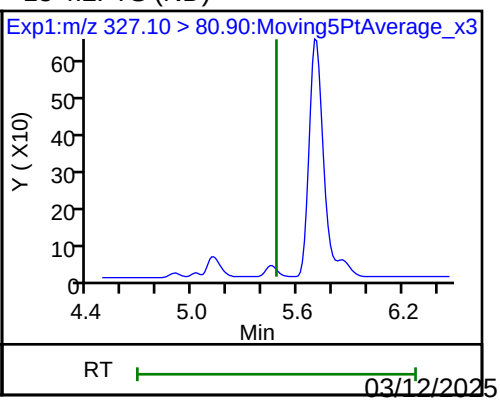
D 12 13C2-4:2FTS



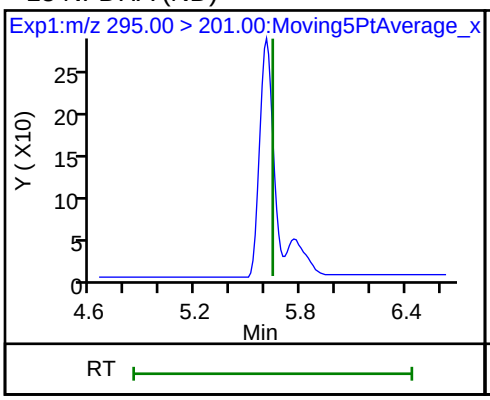
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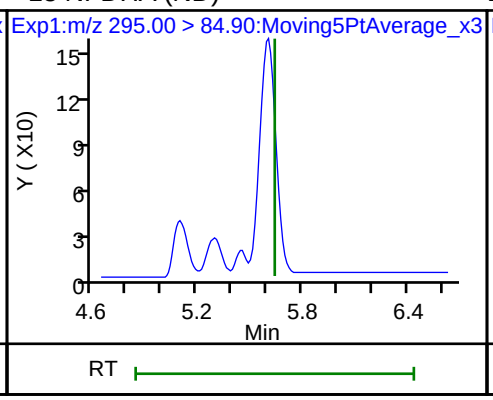
13 4:2FTS (ND)



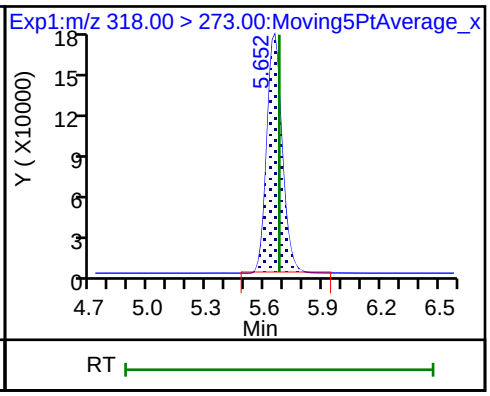
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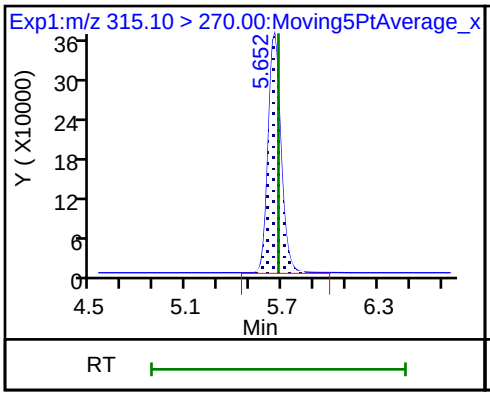
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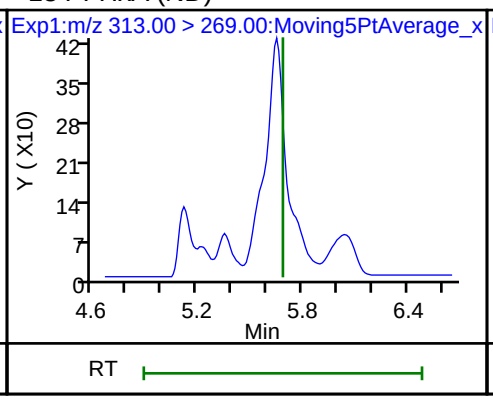
D 16 13C5 PFHxA



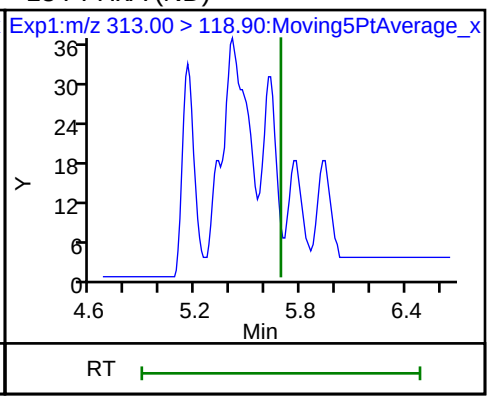
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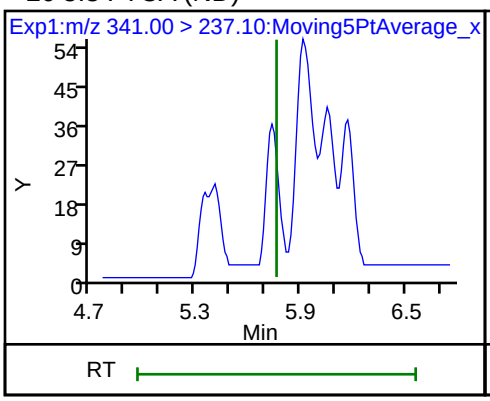
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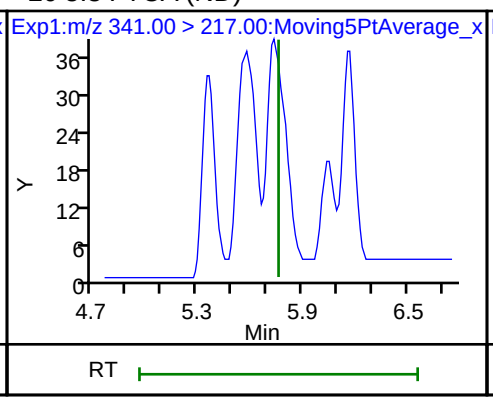
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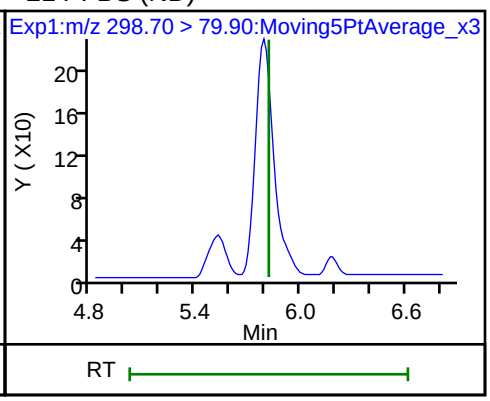
20 5:3 FTCA (ND)



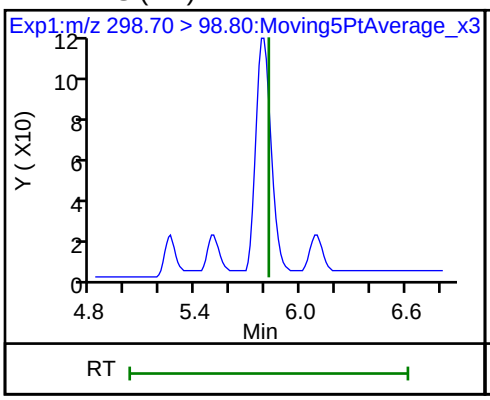
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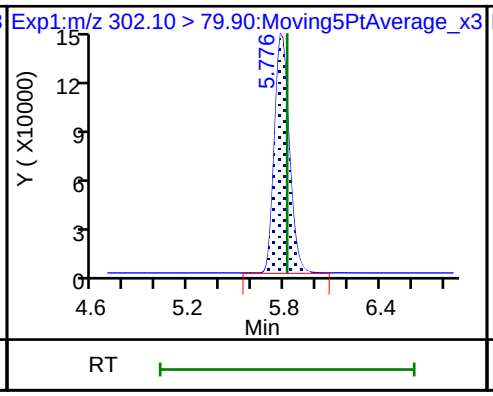
21 PFBS (ND)



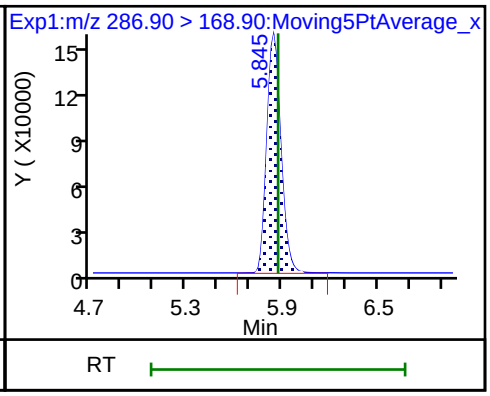
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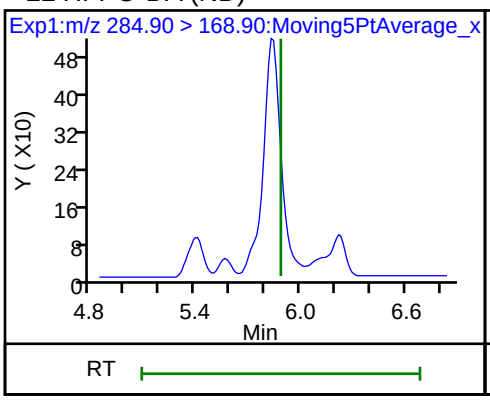
D 19 13C3 PFBS



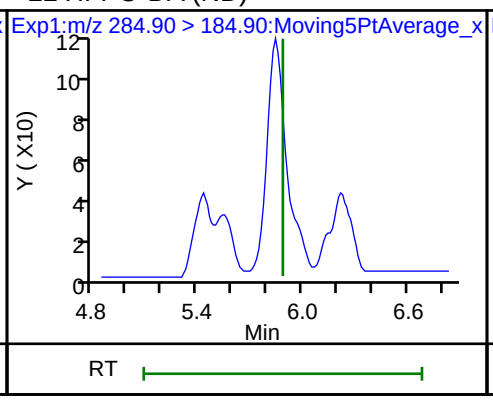
D 23 13C3 HFPO-DA



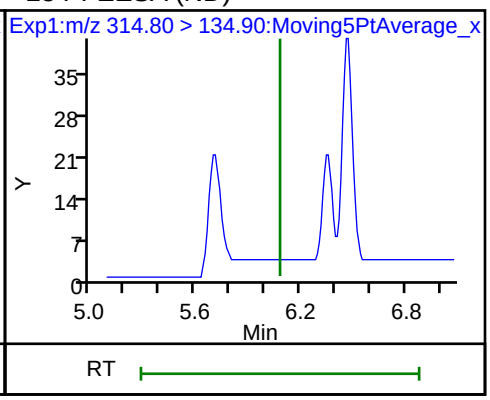
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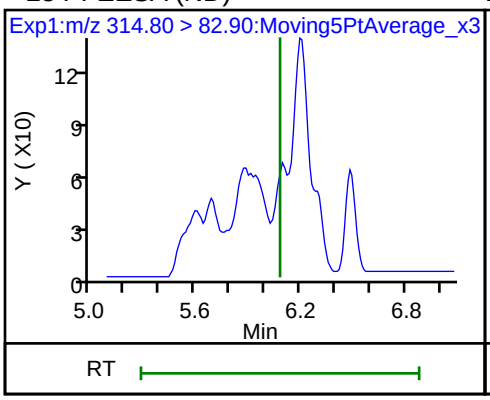
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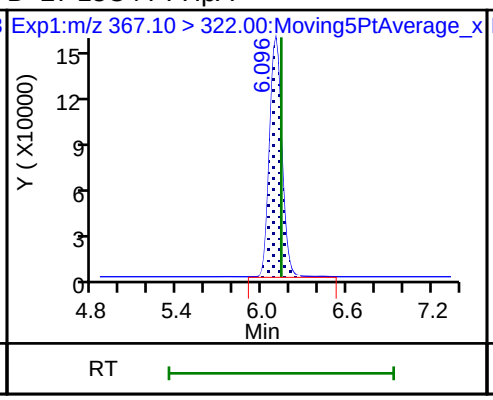
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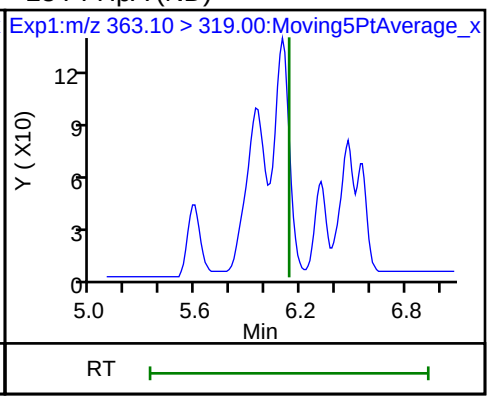
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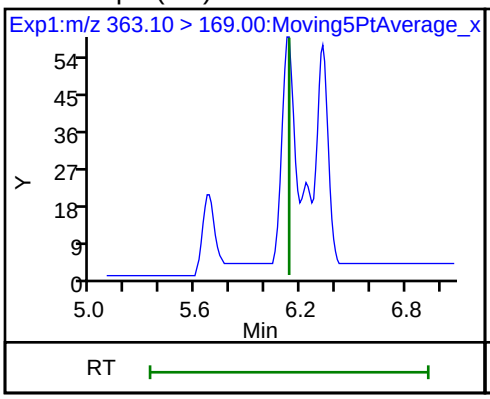
D 27 13C4 PFHpA



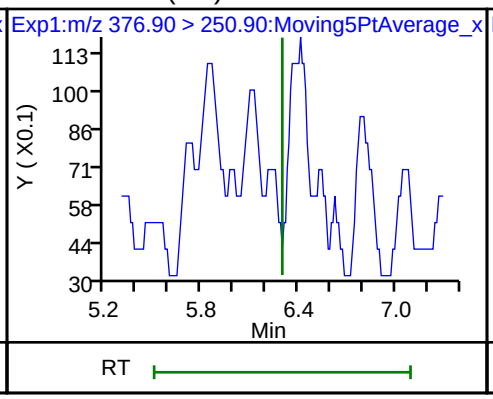
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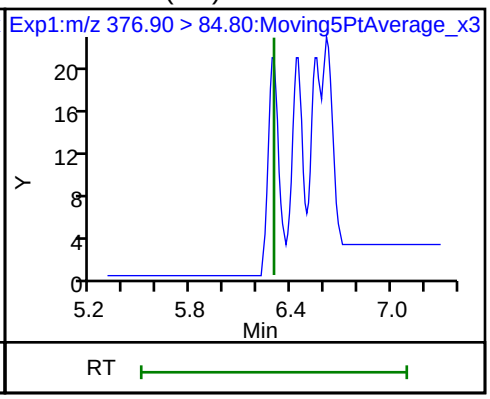
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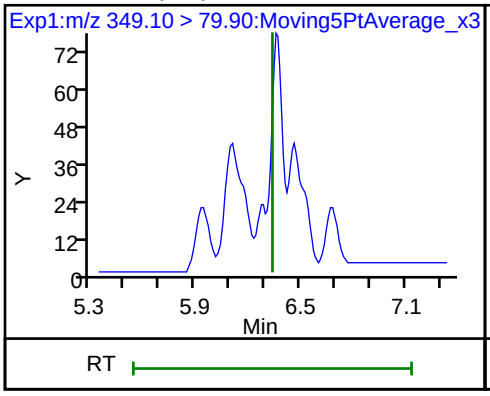
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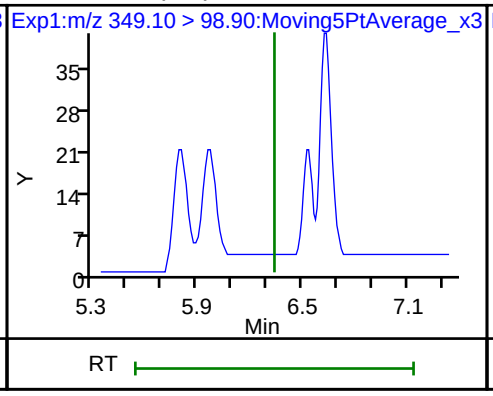
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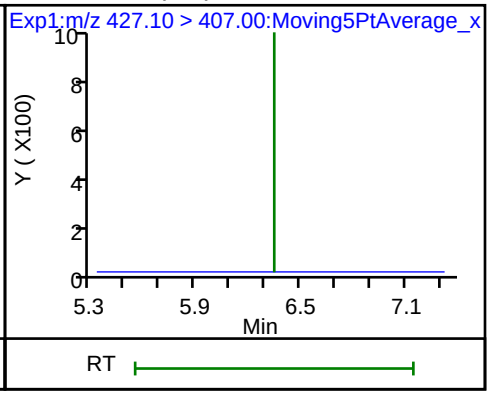
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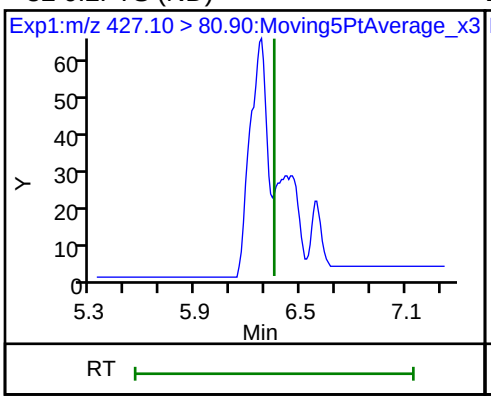
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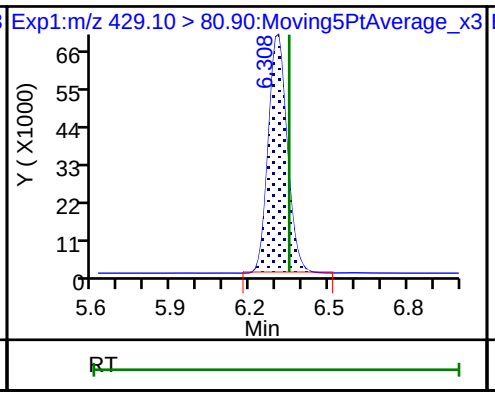
32 6:2FTS (ND)



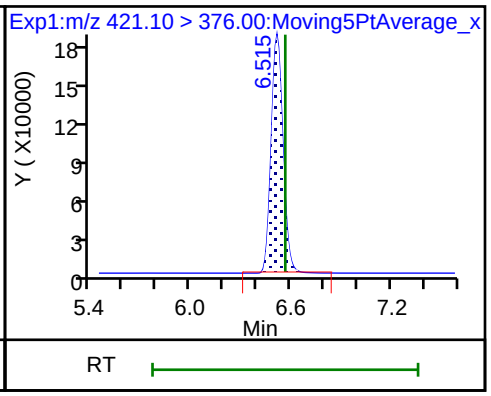
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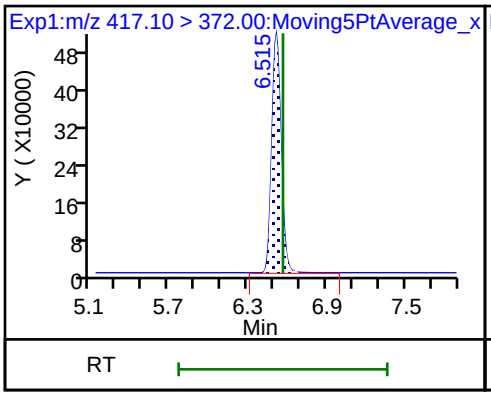
D 31 13C2-6:2FTS



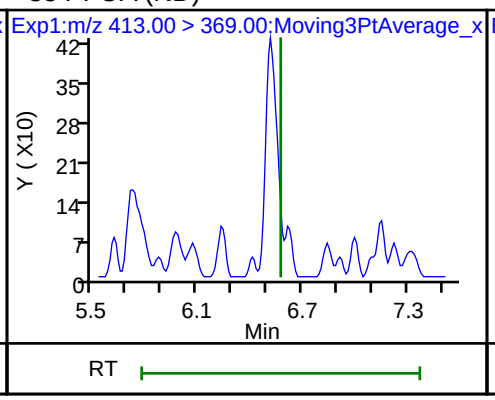
D 34 13C8 PFOA



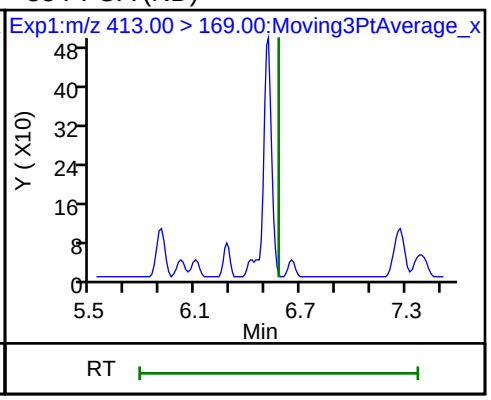
* 40 13C4 PFOA



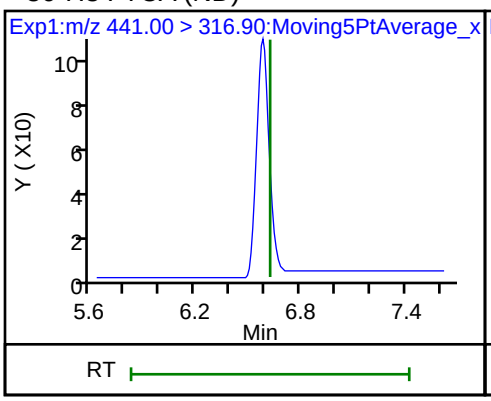
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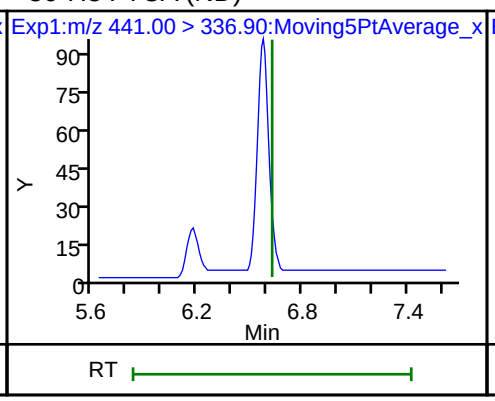
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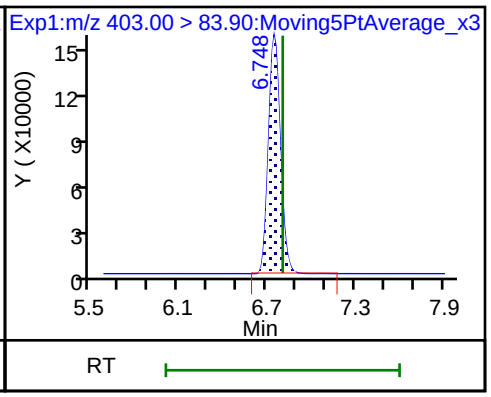
36 7:3 FTCA (ND)



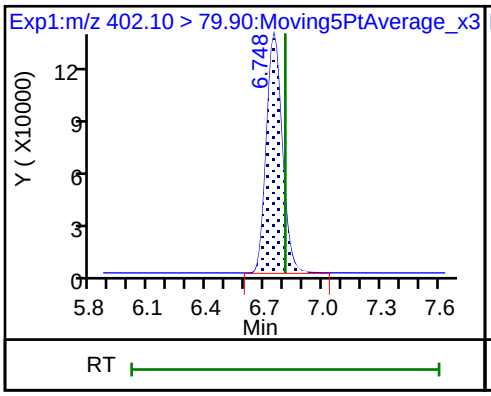
36 7:3 FTCA (ND)



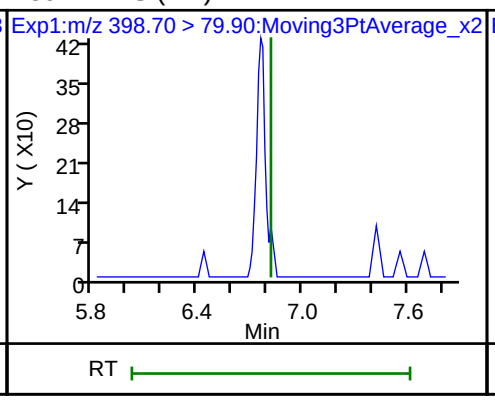
* 38 18O2 PFHxS



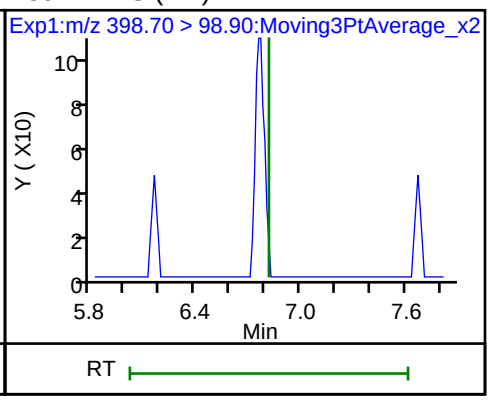
D 37 13C3 PFHxS



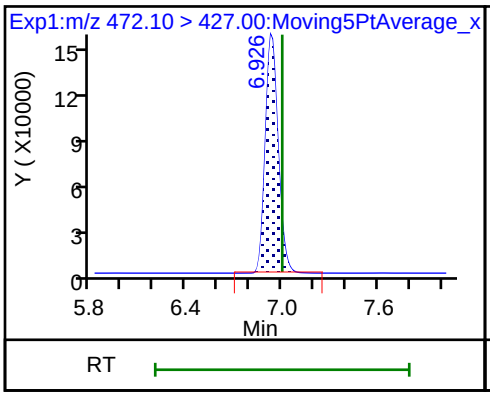
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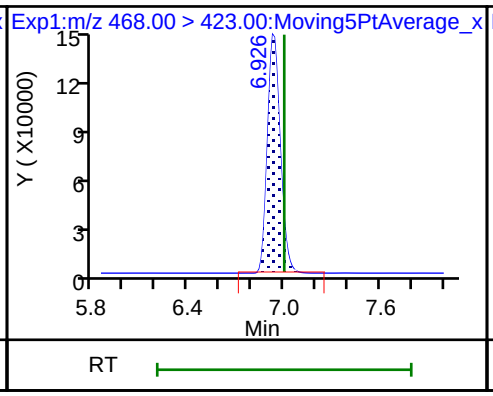
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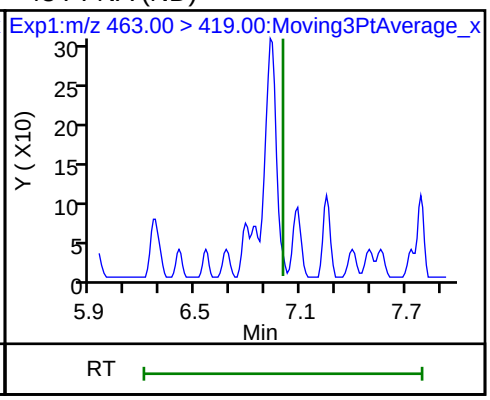
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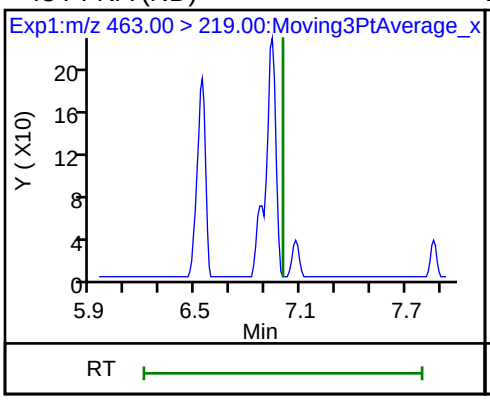
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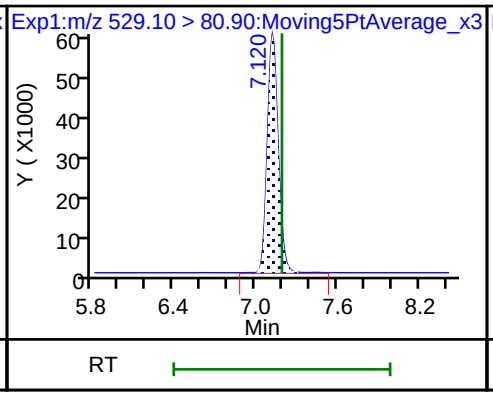
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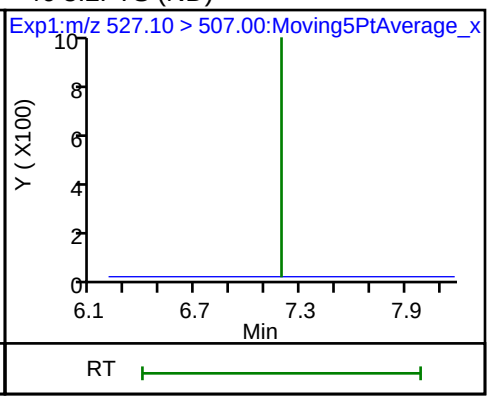
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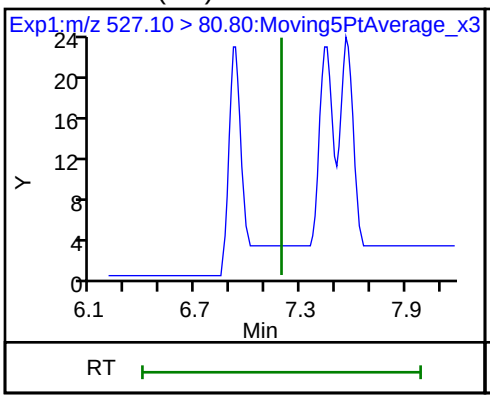
D 45 13C2-8:2FTS



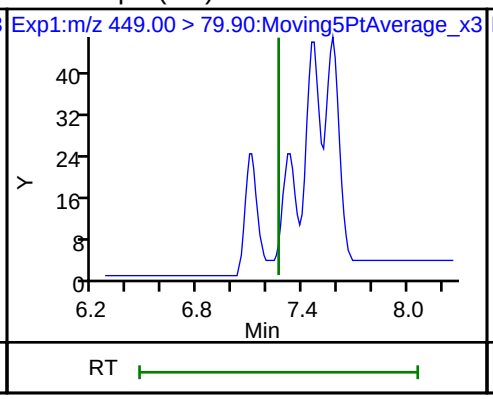
46 8:2FTS (ND)



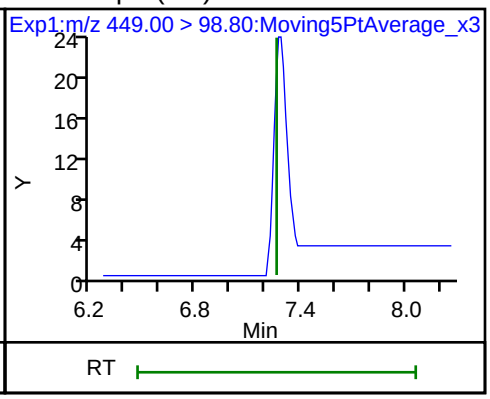
46 8:2FTS (ND)



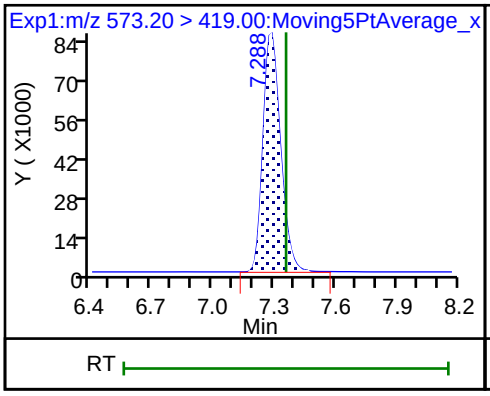
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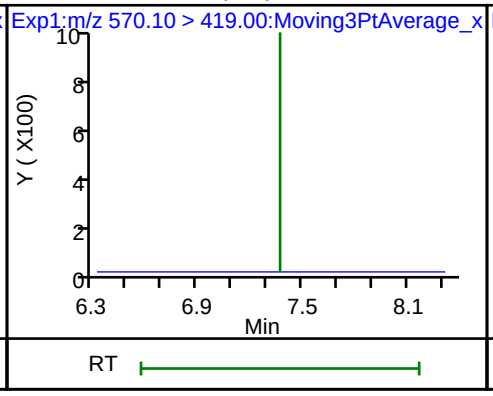
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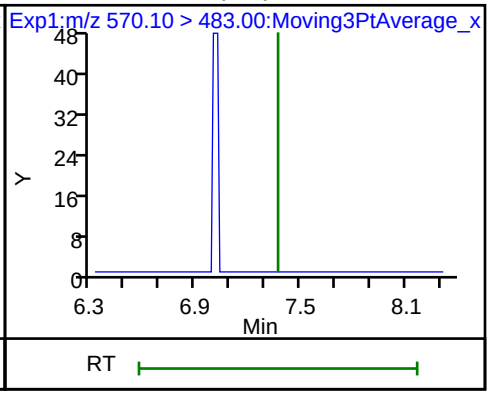
D 49 d3-NMeFOSAA



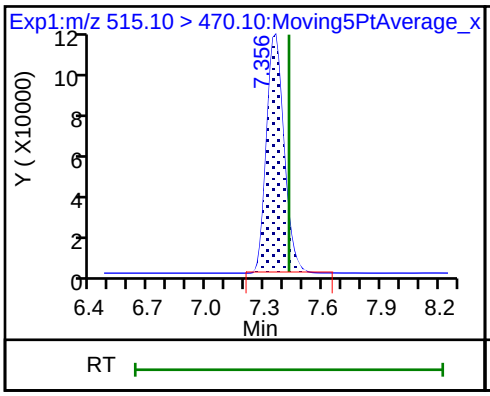
50 NMeFOSAA (ND)



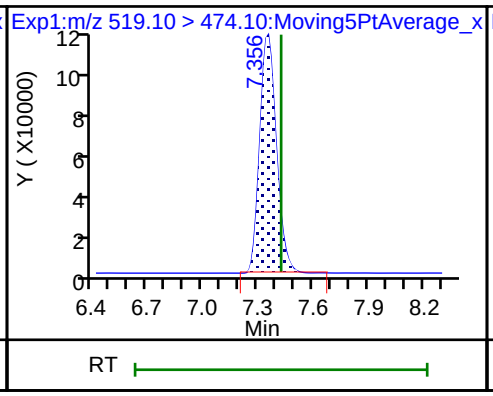
50 NMeFOSAA (ND)



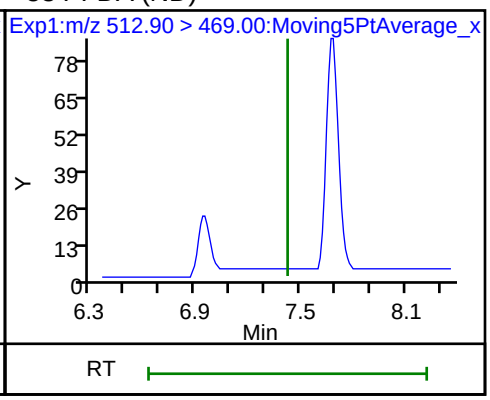
* 51 13C2 PFDA



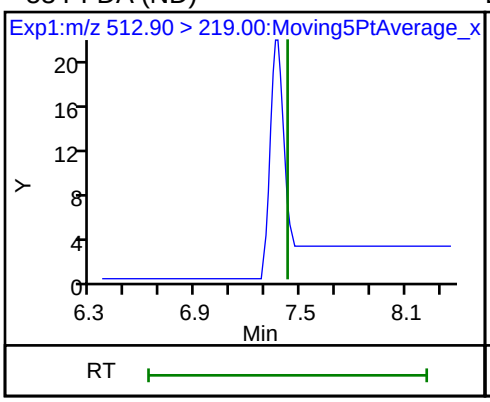
D 52 13C6 PFDA



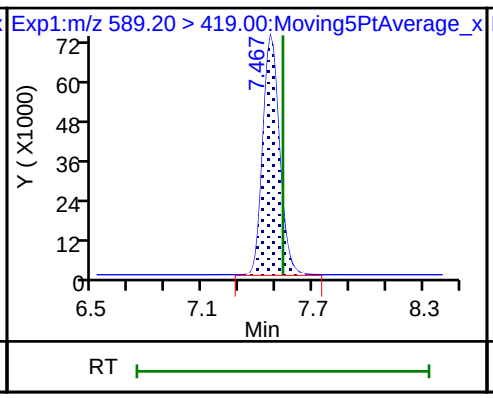
53 PFDA (ND)



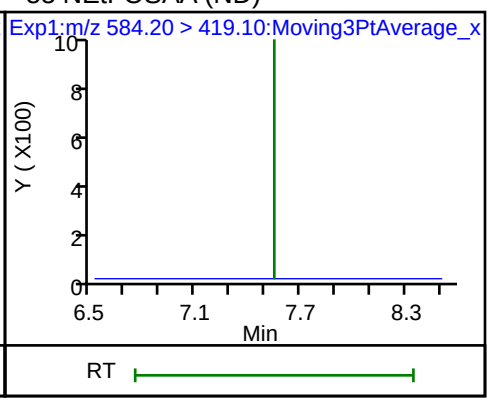
53 PFDA (ND)



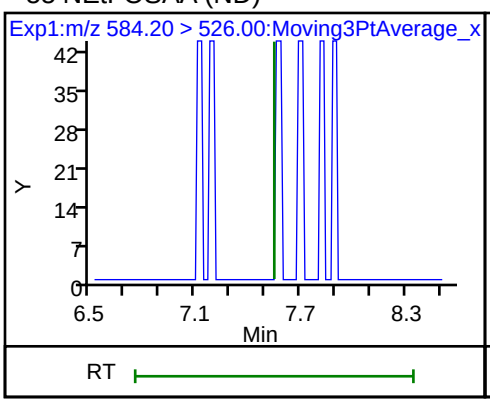
D 54 d5-NEtFOSAA



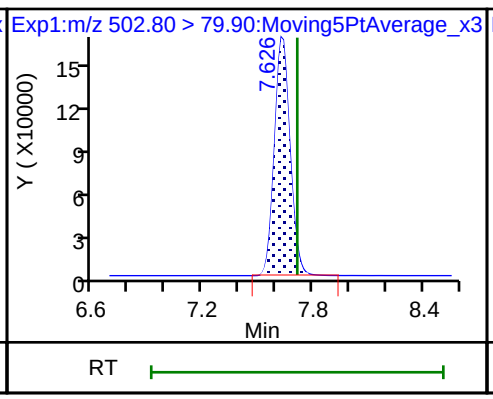
55 NEtFOSAA (ND)



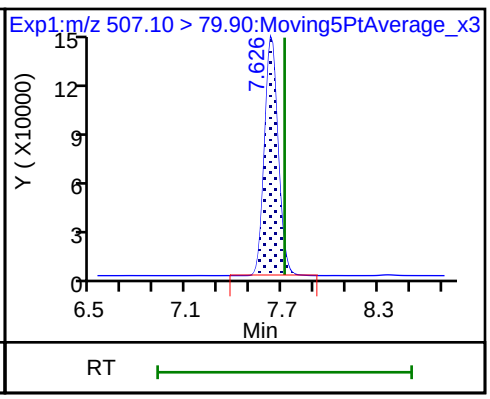
55 NEtFOSAA (ND)



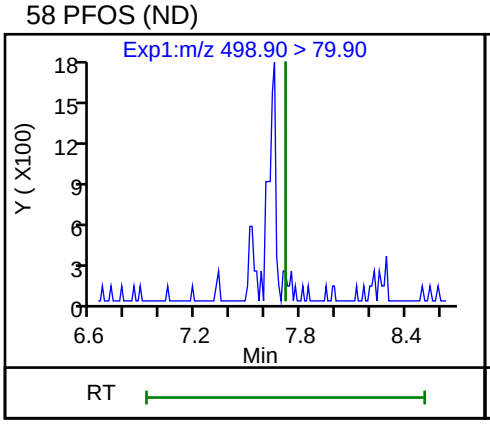
* 57 13C4 PFOS



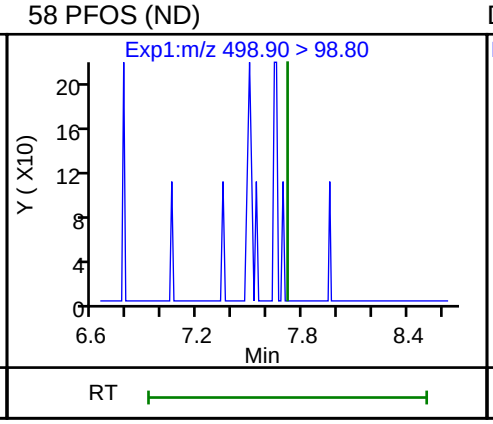
D 56 13C8 PFOS



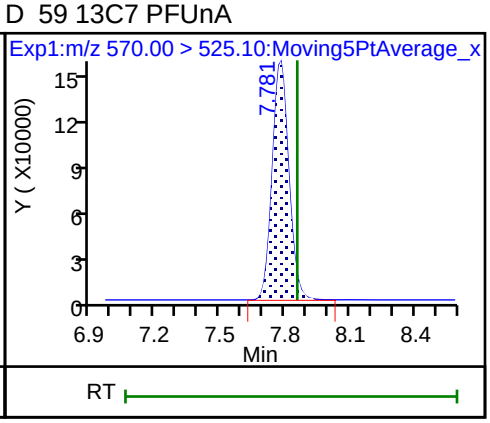
58 PFOS (ND)



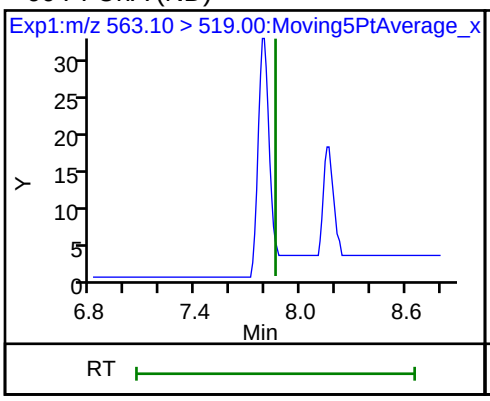
58 PFOS (ND)



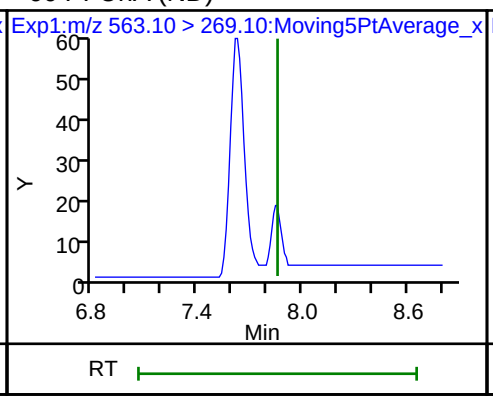
D 59 13C7 PFUnA



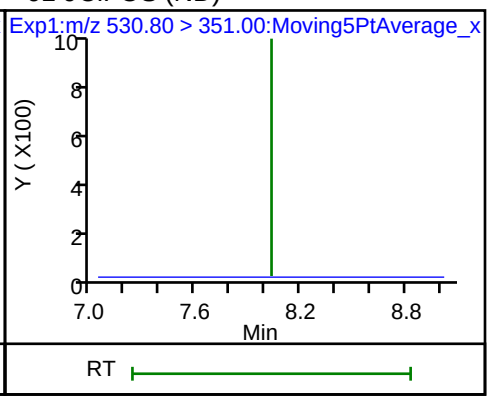
60 PFUnA (ND)



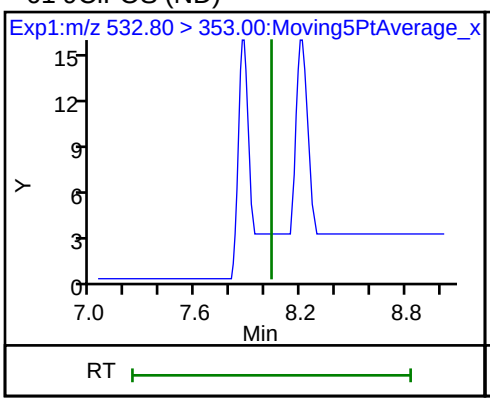
60 PFUnA (ND)



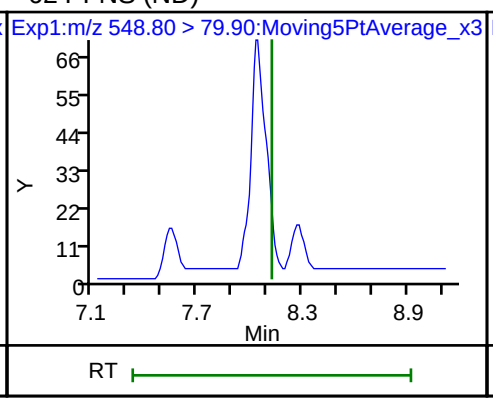
61 9ClFOS (ND)



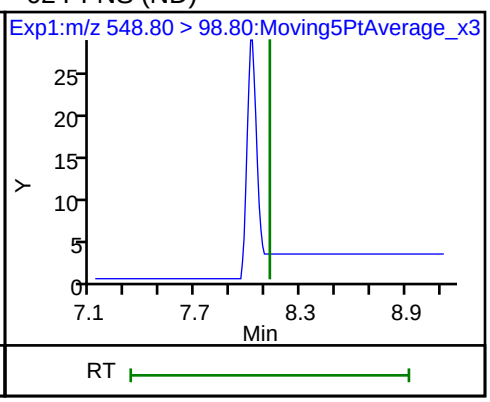
61 9ClFOS (ND)



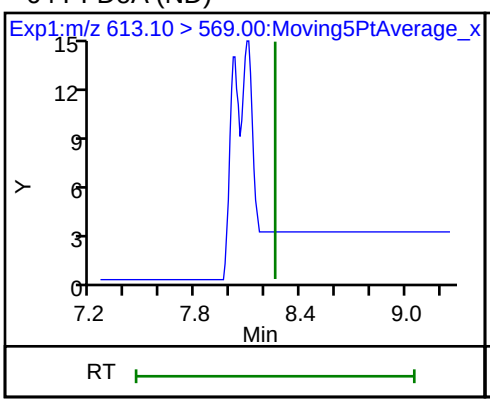
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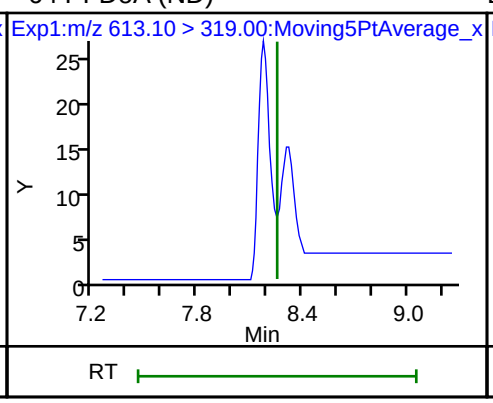
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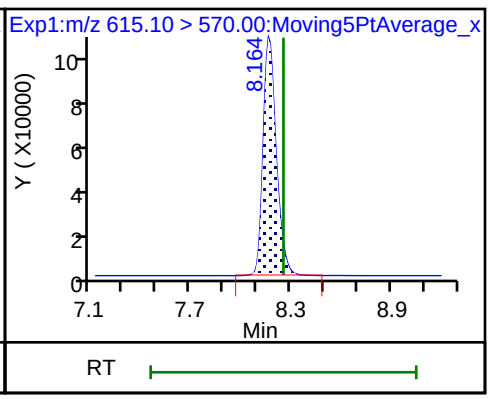
64 PFDoA (ND)



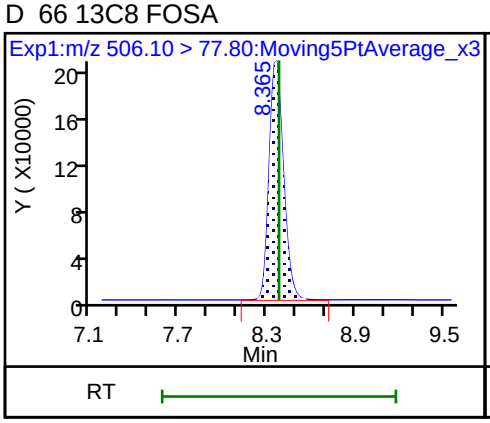
64 PFDoA (ND)



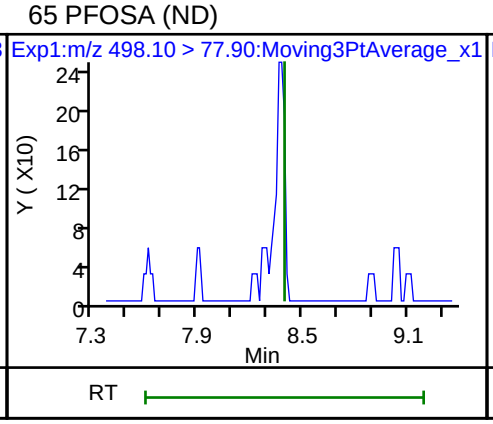
D 63 PFDoA



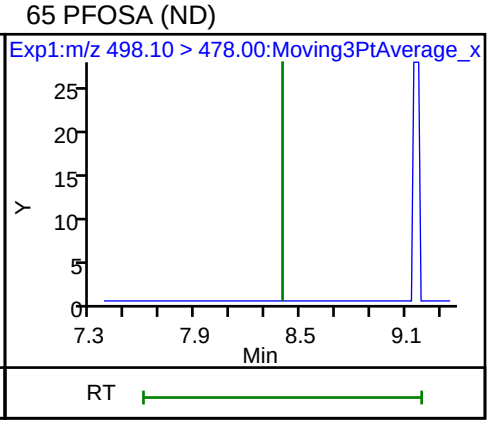
D 66 13C8 FOSA



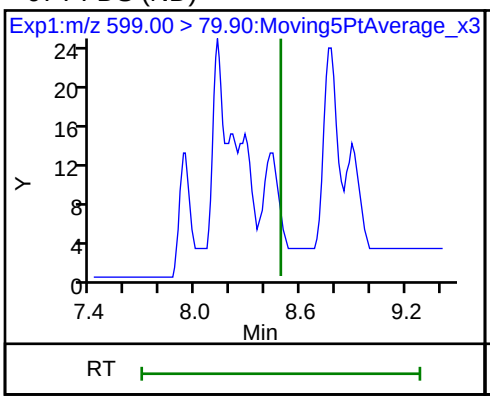
65 PFOSA (ND)



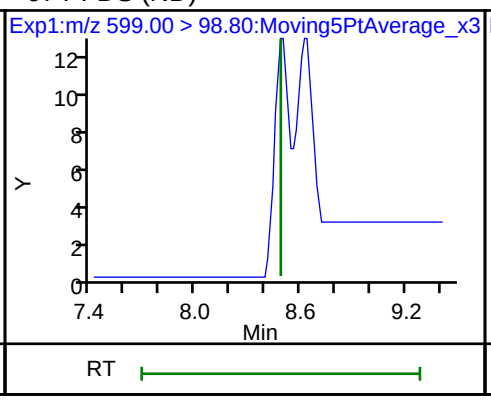
65 PFOSA (ND)



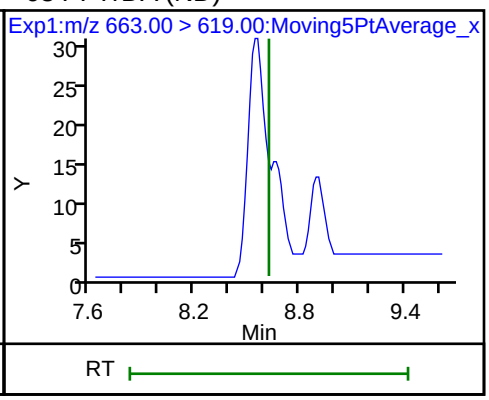
67 PFDS (ND)



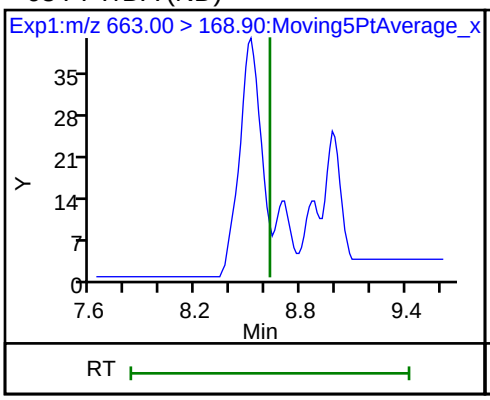
67 PFDS (ND)



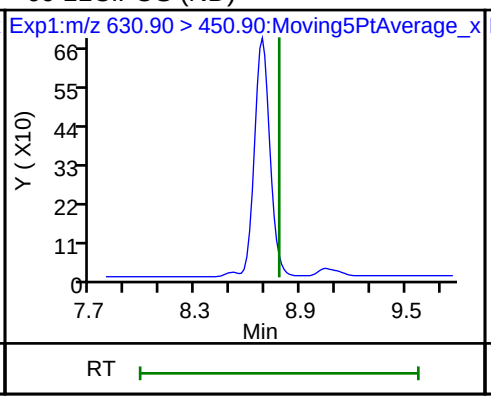
68 PFTrDA (ND)



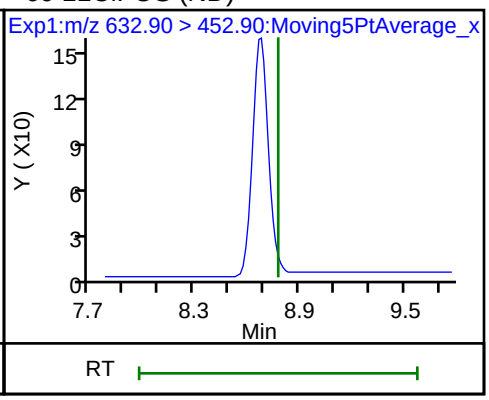
68 PFTrDA (ND)



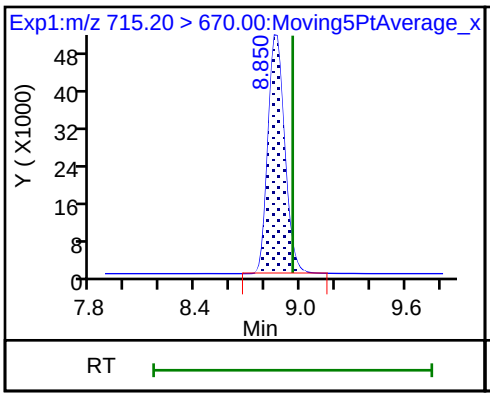
69 11ClFOS (ND)



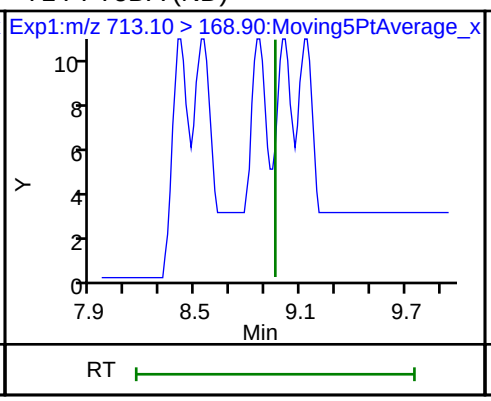
69 11ClFOS (ND)



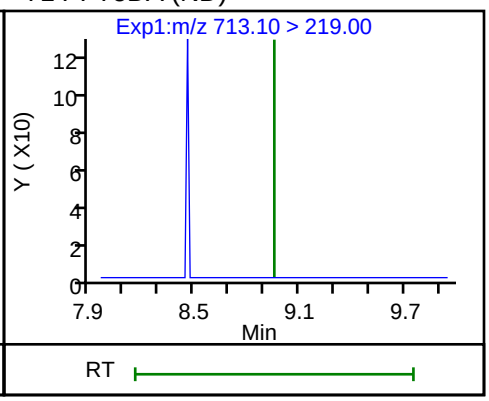
D 70 13C2 PFTeDA



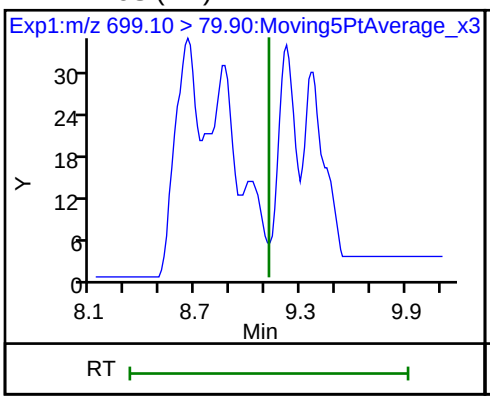
71 PFTeDA (ND)



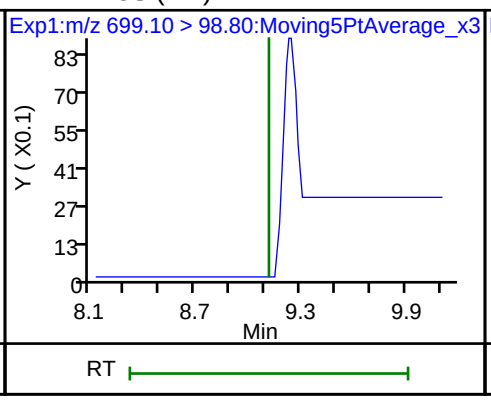
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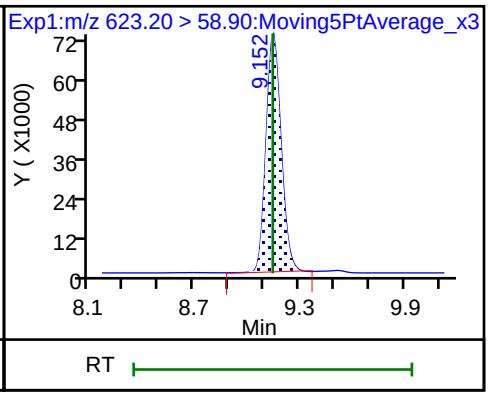
72 PFDoS (ND)



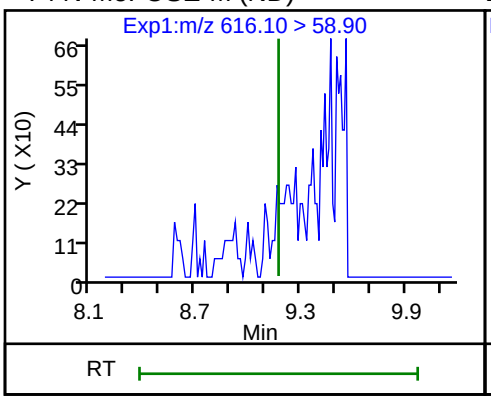
72 PFDoS (ND)



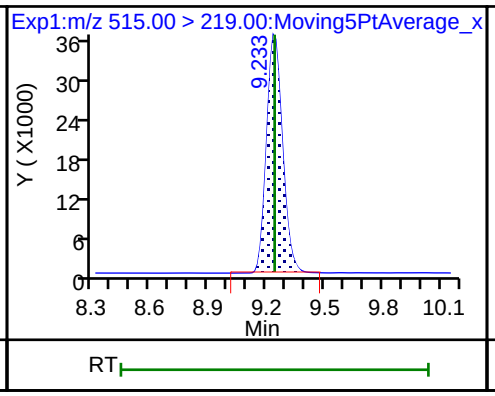
D 73 d7-N-Me-FOSE



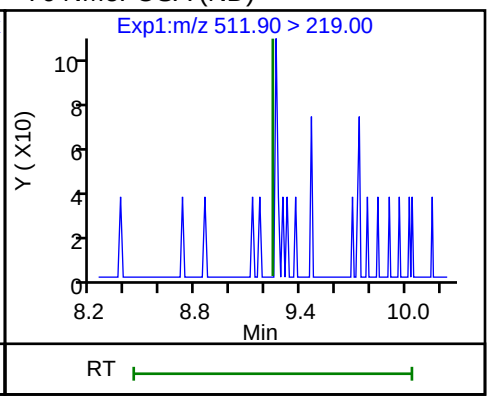
74 N-MeFOSE-M (ND)



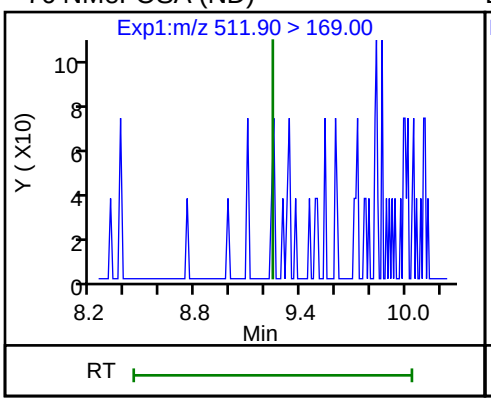
D 75 d3-NMePFOSA



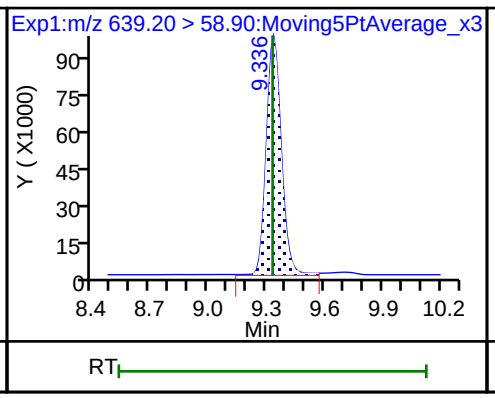
76 NMeFOSA (ND)



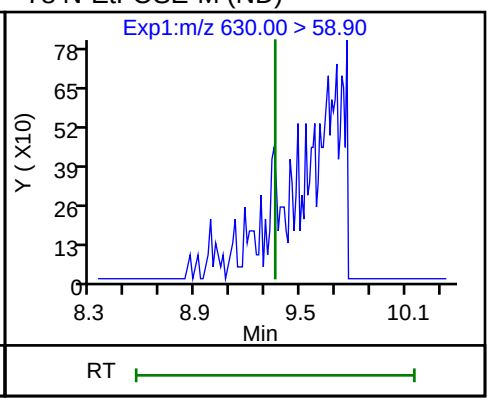
76 NMeFOSA (ND)



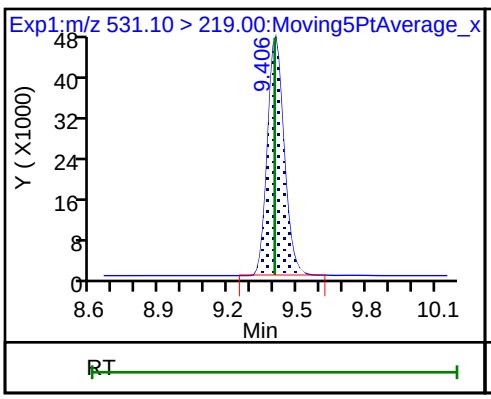
D 77 d9-N-EtFOSE



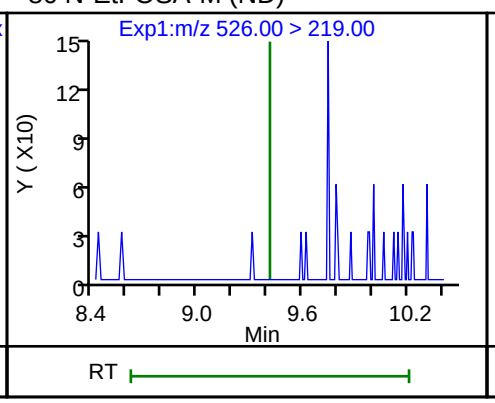
78 N-EtFOSE-M (ND)



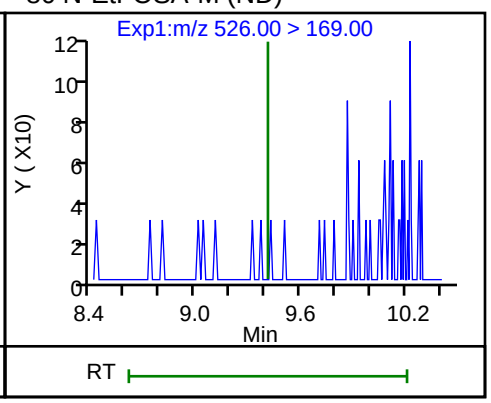
D 79 d5-NEtPFOSA



80 N-EtFOSA-M (ND)



80 N-EtFOSA-M (ND)



FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: EB-03-021825
Lab Sample ID: 410-209941-13

Matrix: Water
Lab File ID: 25MAR10N-21.d

Analysis Method: 1633
Date Collected: 02/18/2025 15:32

Extraction Method: 1633
Date Extracted: 03/06/2025 08:30

Sample wt/vol: 139.4(mL)
Date Analyzed: 03/11/2025 00:15

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture:
% Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 615077
Units: ng/L

Preparation Batch No.: 613587
Instrument ID: 30570

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	ND		3.6	0.99
2706-90-3	Perfluoropentanoic acid	ND		1.8	0.54
307-24-4	Perfluorohexanoic acid	ND		1.8	0.45
375-85-9	Perfluoroheptanoic acid	ND		1.8	0.72
335-67-1	Perfluorooctanoic acid	ND		1.8	0.81
375-95-1	Perfluorononanoic acid	ND		1.8	0.45
335-76-2	Perfluorodecanoic acid	ND		1.8	0.45
2058-94-8	Perfluoroundecanoic acid	ND		1.8	0.45
307-55-1	Perfluorododecanoic acid	ND		1.8	0.45
72629-94-8	Perfluorotridecanoic acid	ND		1.8	0.45
376-06-7	Perfluorotetradecanoic acid	ND		1.8	0.45
375-73-5	Perfluorobutanesulfonic acid	ND		1.8	0.45
2706-91-4	Perfluoropentanesulfonic acid	ND		1.8	0.45
355-46-4	Perfluorohexanesulfonic acid	ND		1.8	0.72
375-92-8	Perfluoroheptanesulfonic acid	ND		1.8	0.45
1763-23-1	Perfluorooctanesulfonic acid	ND		1.8	0.45
68259-12-1	Perfluorononanesulfonic acid	ND		1.8	0.45
335-77-3	Perfluorodecanesulfonic acid	ND		1.8	0.45
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.54
757124-72-4	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		3.6	0.90
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		3.6	0.90
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		3.6	0.90
754-91-6	Perfluorooctanesulfonamide	ND		1.8	0.45
31506-32-8	NMeFOSA	ND		1.8	0.45
4151-50-2	N-ethylperfluoro-1-octanesulfonamide	ND		1.8	0.45
2355-31-9	NMeFOSAA	ND		1.8	0.45
2991-50-6	NEtFOSAA	ND		1.8	0.45

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID: EB-03-021825
Lab Sample ID: 410-209941-13

Matrix: Water
Lab File ID: 25MAR10N-21.d

Analysis Method: 1633
Date Collected: 02/18/2025 15:32

Extraction Method: 1633
Date Extracted: 03/06/2025 08:30

Sample wt/vol: 139.4(mL)
Date Analyzed: 03/11/2025 00:15

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 615077
Units: ng/L

Preparation Batch No.: 613587
Instrument ID: 30570

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
24448-09-7	2-(N-methylperfluoro-1-octanesulfonamido) ethanol	ND		9.0	2.2
1691-99-2	2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	ND		9.0	2.2
13252-13-6	HFPO-DA	ND		1.8	0.67
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.45
377-73-1	Perfluoro-3-methoxypropanoic acid	ND		1.8	0.45
863090-89-5	Perfluoro(4-methoxybutanoic acid)	ND		1.8	0.45
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid	ND		1.8	0.45
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND	cn	1.8	0.45
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		1.8	0.45
113507-82-7	PFEESA	ND		1.8	0.45
356-02-5	3:3 FTCA	ND		3.6	0.90
914637-49-3	5:3 FTCA	ND		9.0	2.5
812-70-4	7:3 FTCA	ND		9.0	2.2

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Client Sample ID: EB-03-021825 Lab Sample ID: 410-209941-13

Matrix: Water Lab File ID: 25MAR10N-21.d

Analysis Method: 1633 Date Collected: 02/18/2025 15:32

Extraction Method: 1633 Date Extracted: 03/06/2025 08:30

Sample wt/vol: 139.4(mL) Date Analyzed: 03/11/2025 00:15

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 7(uL) GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 615077 Units: ng/L

Preparation Batch No.: 613587 Instrument ID: 30570

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	89.3		5-130
STL01893	13C5 PFPeA	102		40-130
STL02577	13C5 PFHxA	98.1		40-130
STL01892	13C4 PFHpA	102		40-130
STL01052	13C8 PFOA	86.4		40-130
STL02578	13C9 PFNA	106		40-130
STL02579	13C6 PFDA	100		40-130
STL02580	13C7 PFUnA	125	cn	30-130
STL02116	13C2 PFTeDA	99.0		10-130
STL02337	13C3 PFBS	86.7		40-135
STL02581	13C3 PFHxS	89.3		40-130
STL01054	13C8 PFOS	85.9		40-130
STL01056	13C8 FOSA	79.6		40-130
STL02118	d3-NMeFOSAA	81.2		40-170
STL02117	d5-NEtFOSAA	101		25-135
STL02395	M2-4:2 FTS	89.2		40-200
STL02279	M2-6:2 FTS	91.8		40-200
STL02280	M2-8:2 FTS	88.3		40-300
STL02255	13C3 HFPO-DA	97.6		40-130
STL02277	d7-N-MeFOSE-M	68.4		10-130
STL02278	d9-N-EtFOSE-M	64.0		10-130
STL02704	d5-NEtPFOSA	45.0		10-130
STL02705	d3-NMePFOSA	48.0		10-130
STL00998	13C2 PFDoA	111	cn	10-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30570\20250310-140389.b\25MAR10N-21.d
Lims ID: 410-209941-A-13-A
Client ID: EB-03-021825
Sample Type: Client
Inject. Date: 11-Mar-2025 00:15:50 ALS Bottle#: 31 Worklist Smp#: 15
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: 410-209941-A-13-A
Misc. Info.: Plate: 1 Rack: 1 410-0140389-015
Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570

Method: \\chromfs\Lancaster\ChromData\30570\20250310-140389.b\30570-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 11-Mar-2025 17:00:44 Calib Date: 06-Mar-2025 20:48:33
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\25MAR06CAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1612

First Level Reviewer: RPU6 Date: 11-Mar-2025 16:58:26
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 3 13C4-PFBA										
216.80 > 171.90	4.112	4.141	-0.029	0.998	1879065	1.79		89.3	73421	
* 4 13C3PFBA										
216.00 > 172.00	4.119	4.141	-0.022		1957973	2.00			2970	
D 8 13C5 PFPeA										
268.30 > 223.00	4.761	4.783	-0.022	0.909	1413930	2.04		102	94494	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.048	5.075	-0.027	0.801	670386	4.19		89.2	36884	
* 16 13C2 PFHxA										
315.10 > 270.00	5.235	5.255	-0.020		3468844	5.00			145825	
D 15 13C5 PFHxA										
318.00 > 273.00	5.235	5.255	-0.020	1.000	1829362	1.96		98.1	95948	
D 20 13C3 PFBS										
302.10 > 79.90	5.376	5.401	-0.025	0.853	1265145	1.62		86.7	93354	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.421	5.448	-0.027	1.036	1649695	1.95		97.6	88202	
D 27 13C4 PFHpA										
367.10 > 322.00	5.672	5.700	-0.028	1.083	1804556	2.04		102	89875	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.872	5.900	-0.028	0.932	585026	4.37		91.8	43127	
D 34 13C8 PFOA										
421.10 > 376.00	6.076	6.118	-0.042	1.000	2034560	1.73		86.4	93922	
* 35 13C4 PFOA										
417.10 > 372.00	6.076	6.118	-0.042		5932244	5.00			366257	
D 39 13C3 PFHxS										
402.10 > 79.90	6.313	6.356	-0.043	1.001	1022572	1.69		89.3	74648	
* 38 18O2 PFHxS										
403.00 > 83.90	6.303	6.356	-0.053		1181433	1.89			85936	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 41 13C5 PFNA										
468.00 > 423.00	6.481	6.535	-0.054		1782789	2.00			94335	
D 42 13C9 PFNA										
472.10 > 427.00	6.481	6.535	-0.054	1.000	1856521	2.13		106	99025	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.670	6.712	-0.042	1.058	477828	4.24		88.3	34353	
D 48 d3-NMeFOSAA										
573.20 > 419.00	6.825	6.873	-0.047	0.954	1336753	4.06		81.2	71119	
* 50 13C2 PFDA										
515.10 > 470.10	6.893	6.947	-0.054		1838796	2.00			96095	
D 51 13C6 PFDA										
519.10 > 474.10	6.893	6.947	-0.054	1.000	1883947	2.01		100	132662	
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.013	7.060	-0.047	0.980	1397289	5.03		101	94562	
D 56 13C8 PFOS										
507.10 > 79.90	7.155	7.222	-0.067	1.000	847286	1.65		85.9	58244	
* 57 13C4 PFOS										
502.80 > 79.90	7.155	7.222	-0.067		983132	1.91			67947	
D 59 13C7 PFUnA										
570.00 > 525.10	7.299	7.360	-0.061	1.059	2449309	2.51		125	102989	
D 81 13C2 PFDoA										
615.10 > 570.00	7.705	7.777	-0.072	1.118	1875121	2.23		111	100725	
D 65 13C8 FOSA										
506.10 > 77.80	7.920	7.941	-0.021	1.107	876592	1.59		79.6	48395	
D 69 13C2 PFTeDA										
715.20 > 670.00	8.523	8.602	-0.079	1.237	1183171	1.98		99.0	71046	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.788	8.781	0.007	1.228	270365	3.42		68.4	7048	
D 74 d3-NMePFOSA										
515.00 > 219.00	8.912	8.905	0.007	1.246	173992	0.9593		48.0	9725	
D 76 d9-N-EtFOSE										
639.20 > 58.90	9.032	9.025	0.007	1.262	318136	3.20		64.0	7831	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.130	9.123	0.007	1.276	223485	0.8996		45.0	13968	

QC Flag Legend

Processing Flags

Reagents:

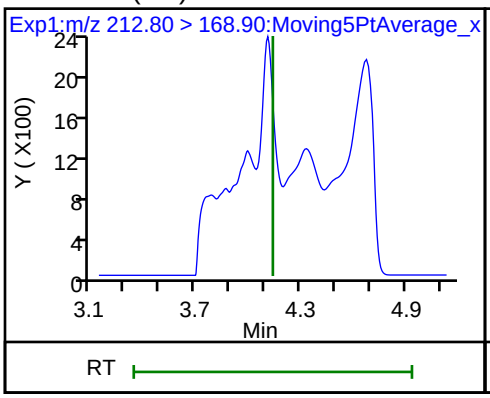
1633_125_IS_V_00234 Amount Added: 50.00 Units: uL Run Reagent

Report Date: 11-Mar-2025 17:01:02 Chrom Revision: 2.3 18-Feb-2025 08:41:40

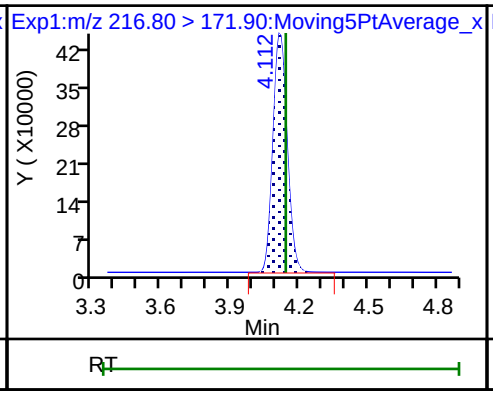
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\30570\20250310-140389.b\25MAR10N-21.d				
Injection Date:	11-Mar-2025 00:15:50	Instrument ID:	30570		
Lims ID:	410-209941-A-13-A	Lab Sample ID:	410-209941-13		
Client ID:	EB-03-021825				
Operator ID:	ETUS023_USR_INS00003	ALS Bottle#:	31	Worklist Smp#:	15
Injection Vol:	7.0 ul	Dil. Factor:	1.0000		
Method:	30570-1633-125ml	Limit Group:	LC - 1633 LVI- ICAL		

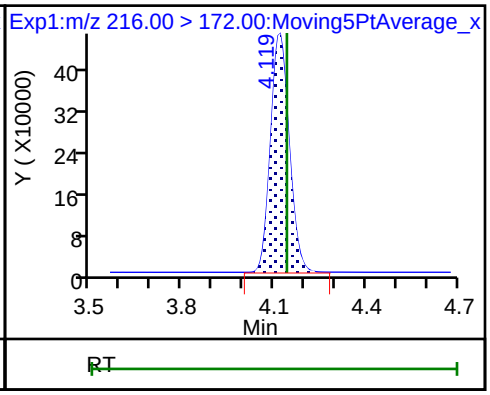
5 PFBA (ND)



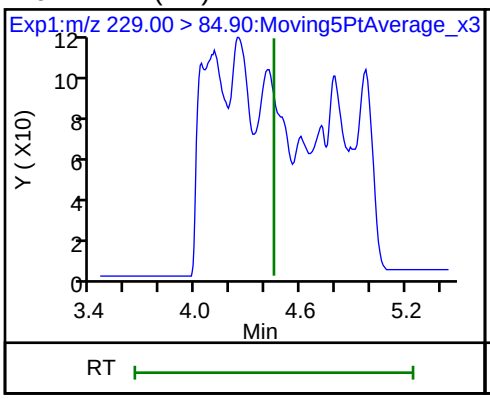
D 3 13C4-PFBA



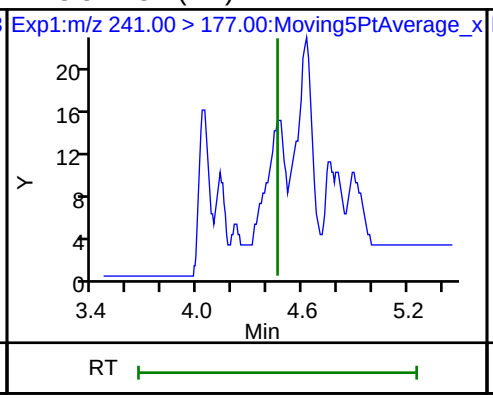
* 4 13C3PFBA



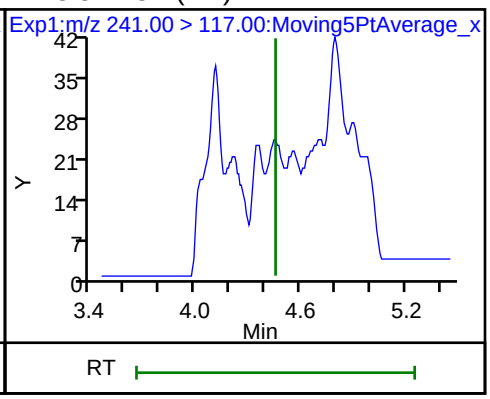
6 PFMPA (ND)



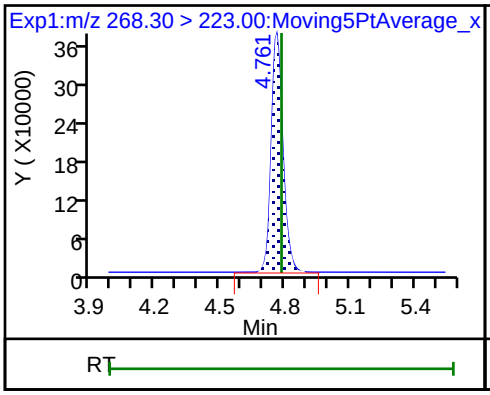
7 3:3 FTCA (ND)



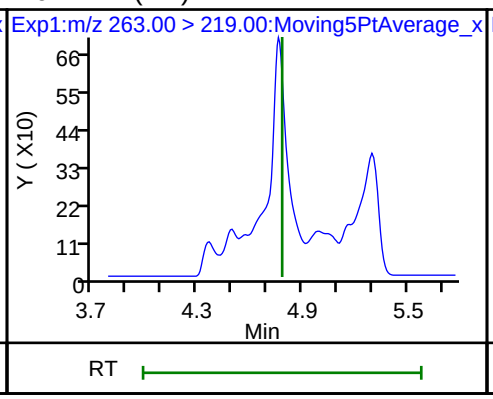
7 3:3 FTCA (ND)



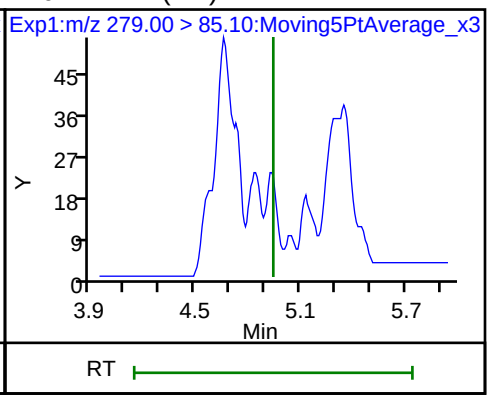
D 8 13C5 PFPeA



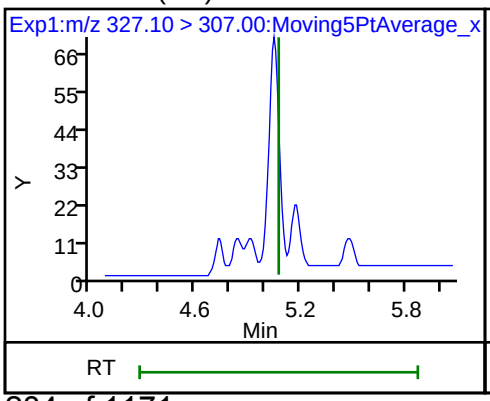
9 PFPA (ND)



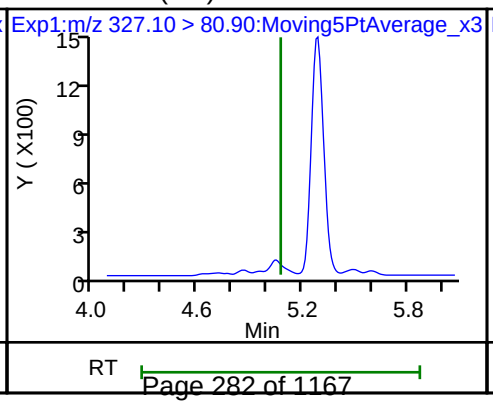
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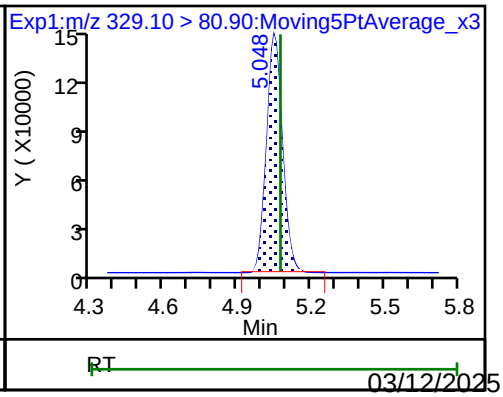
11 4:2FTS (ND)



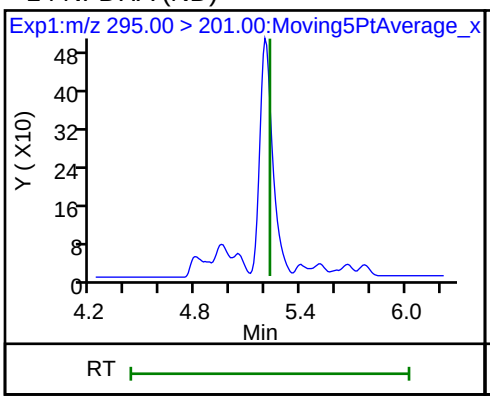
11 4:2FTS (ND)



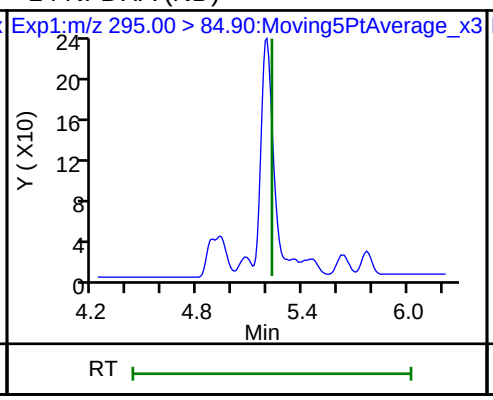
D 13 13C2-4:2FTS



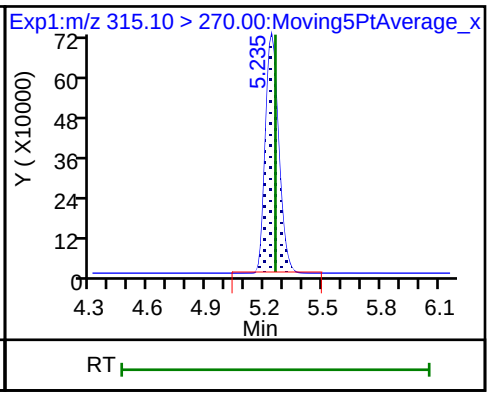
14 NFDHA (ND)



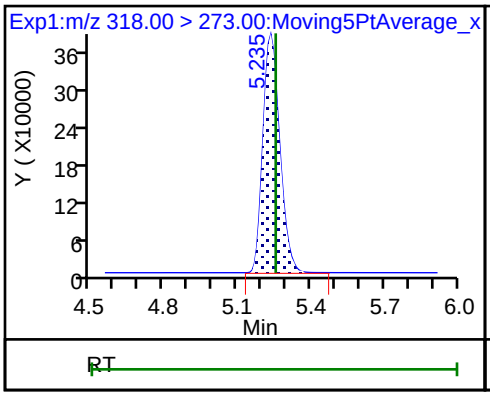
14 NFDHA (ND)



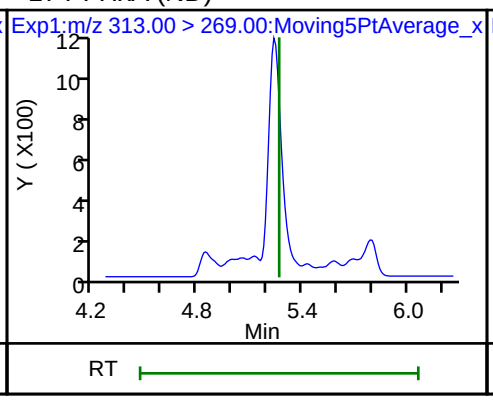
* 16 13C2 PFHxA



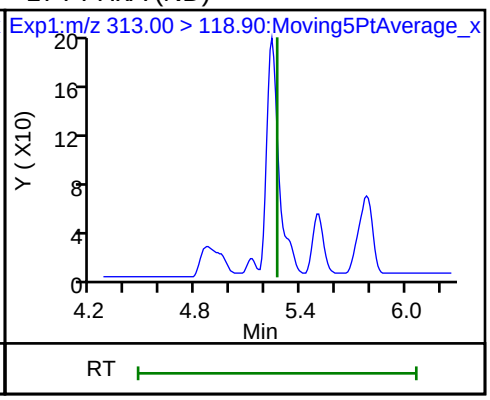
D 15 13C5 PFHxA



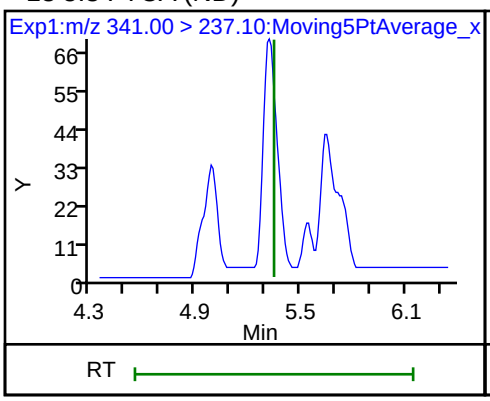
17 PFHxA (ND)



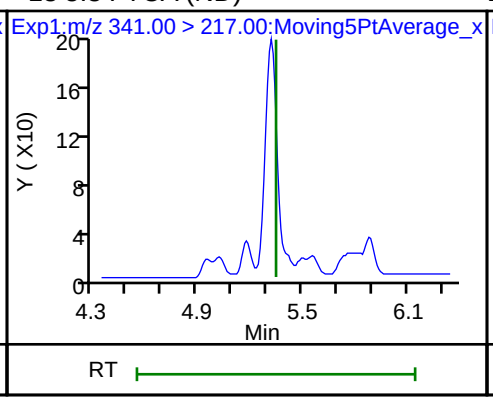
17 PFHxA (ND)



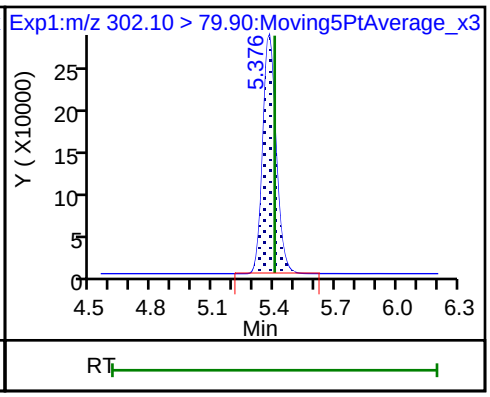
18 5:3 FTCA (ND)



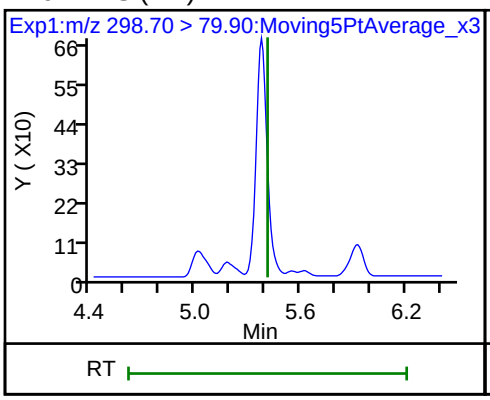
18 5:3 FTCA (ND)



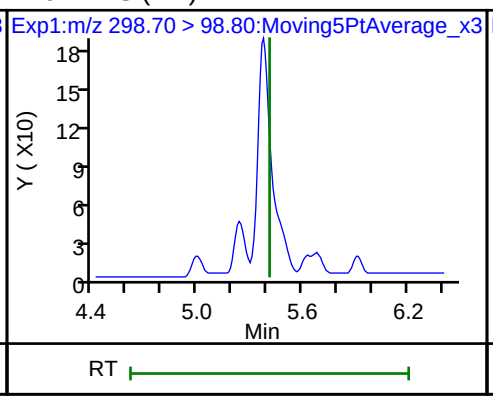
D 20 13C3 PFBS



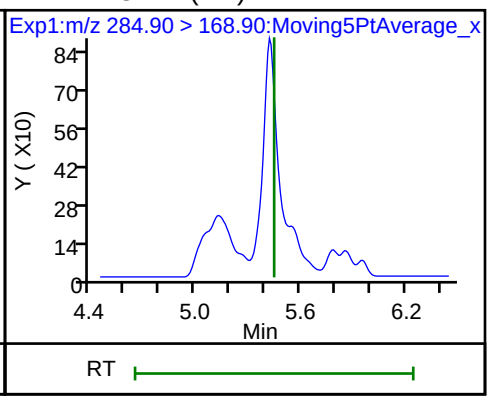
19 PFBS (ND)



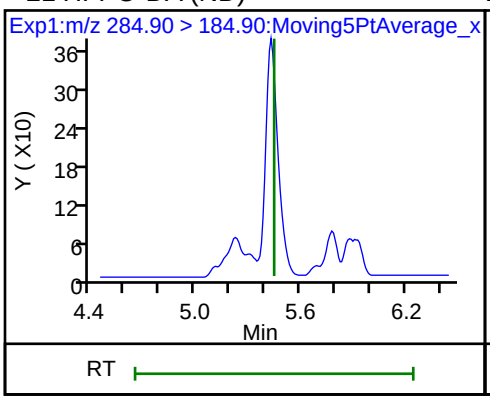
19 PFBS (ND)



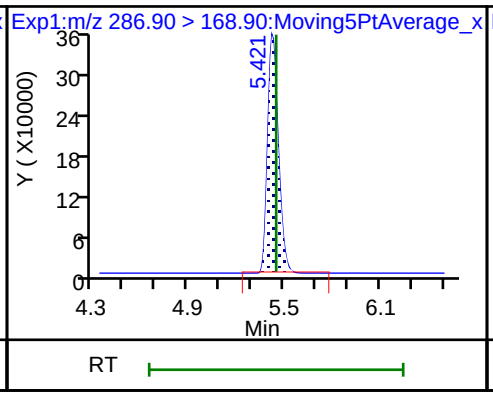
21 HFPO-DA (ND)



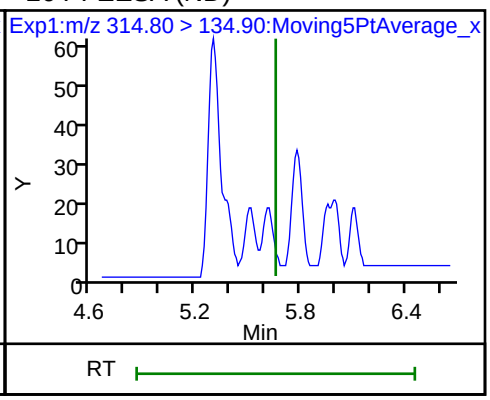
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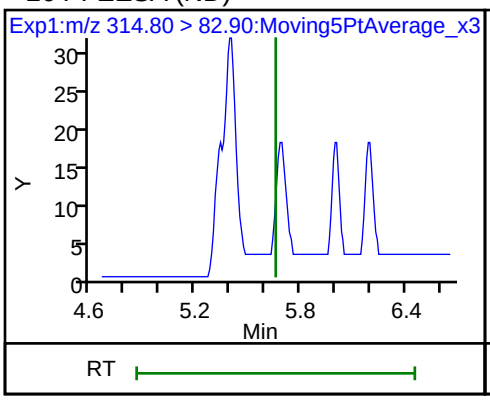
D 22 13C3 HFPO-DA



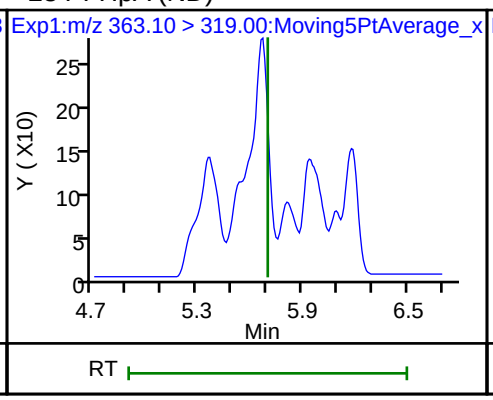
26 PFEESA (ND)



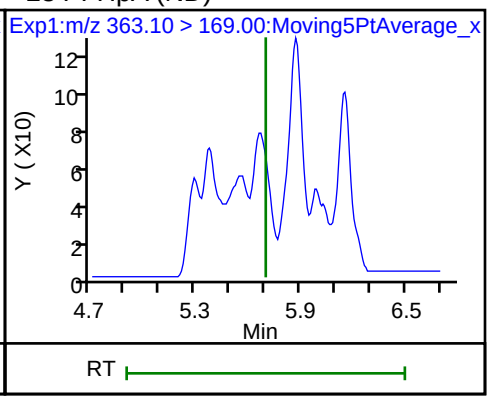
26 PFEESA (ND)



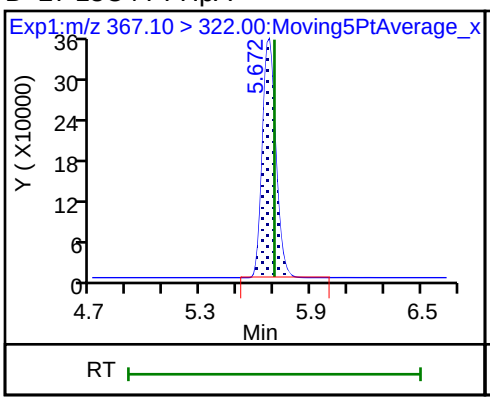
28 PFHpA (ND)



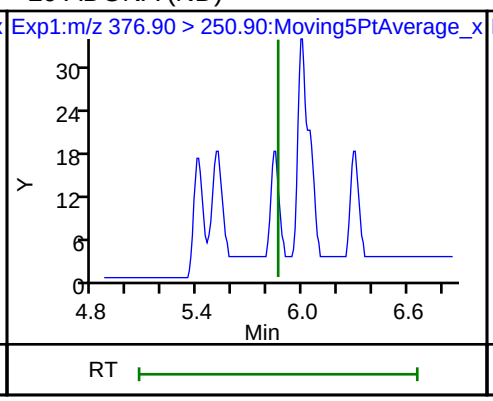
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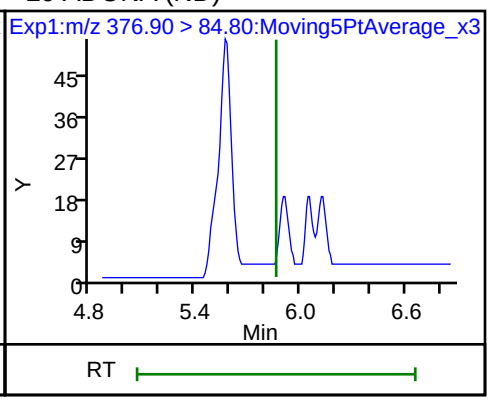
D 27 13C4 PFHpA



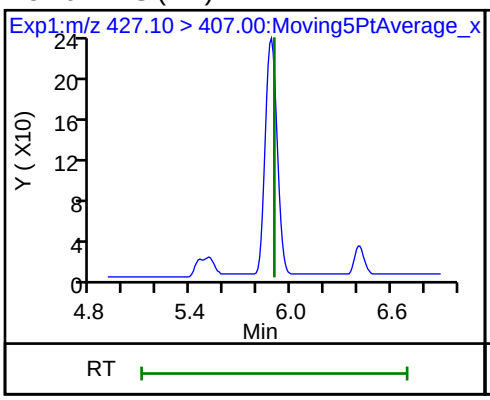
29 ADONA (ND)



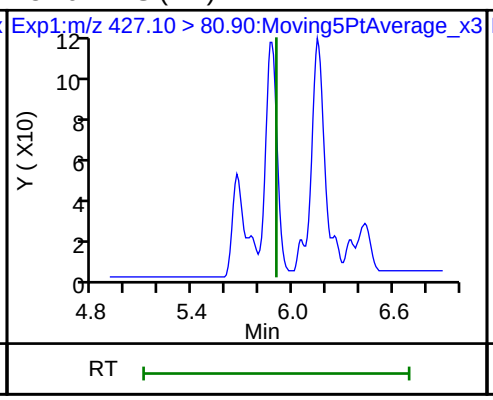
29 ADONA (ND)



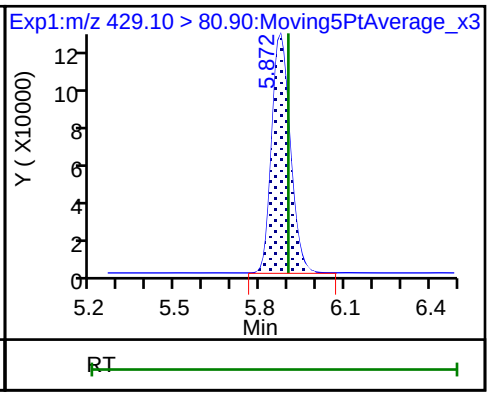
31 6:2FTS (ND)



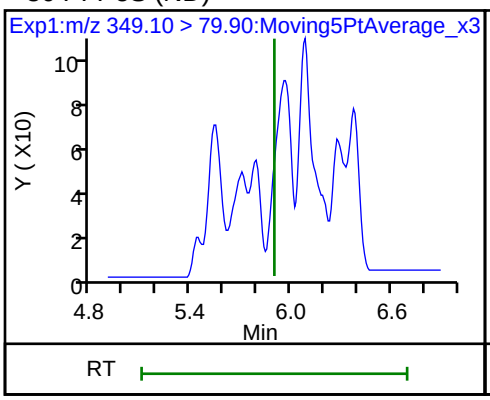
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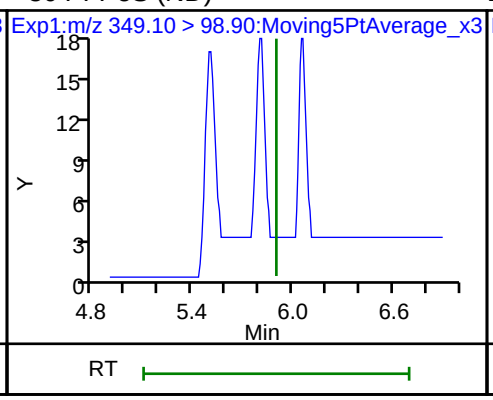
D 32 13C2-6:2FTS



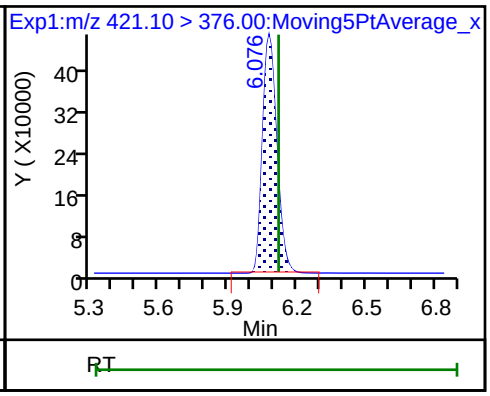
30 PFPeS (ND)



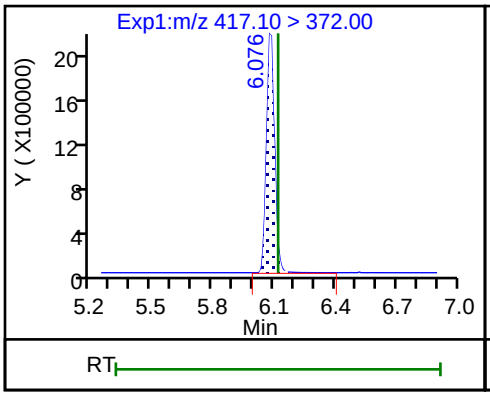
30 PFPeS (ND)



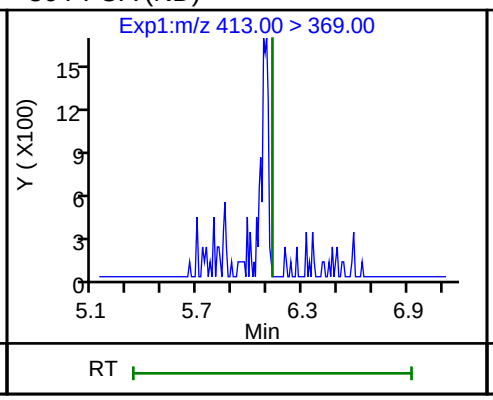
D 34 13C8 PFOA



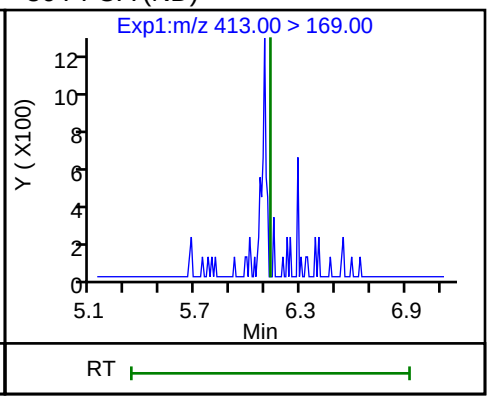
* 35 13C4 PFOA



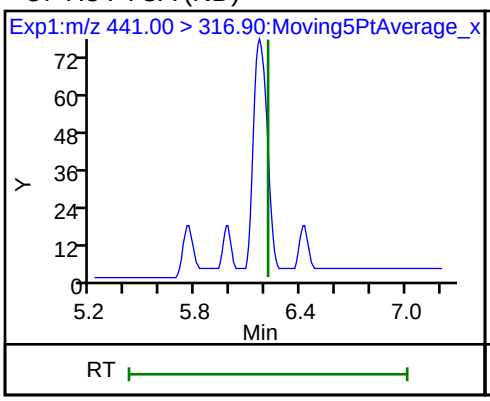
36 PFOA (ND)



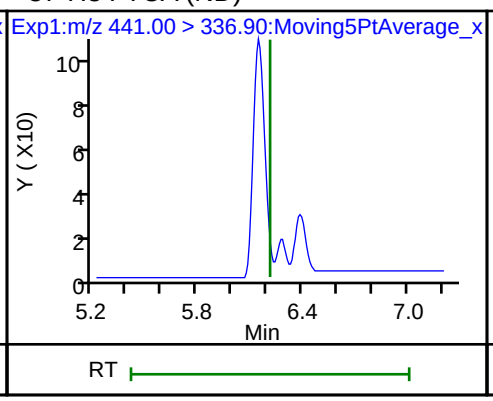
36 PFOA (ND)



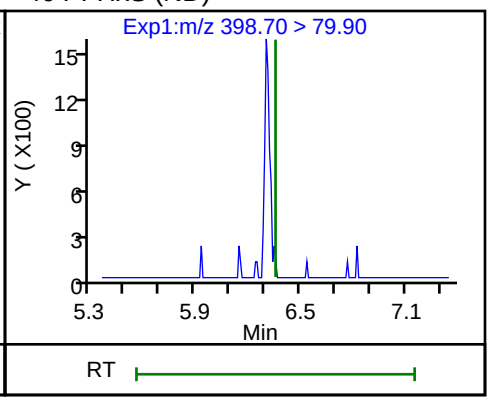
37 7:3 FTCA (ND)



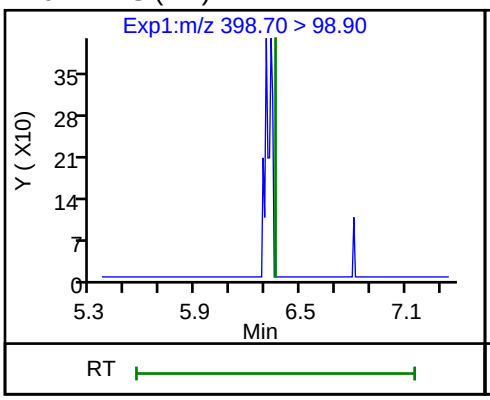
37 7:3 FTCA (ND)



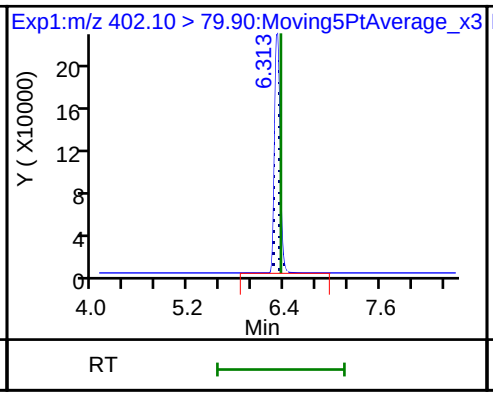
40 PFHxS (ND)



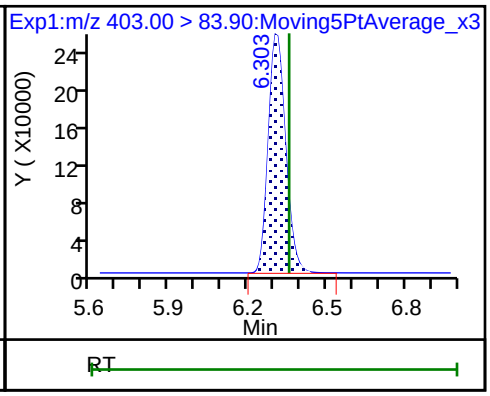
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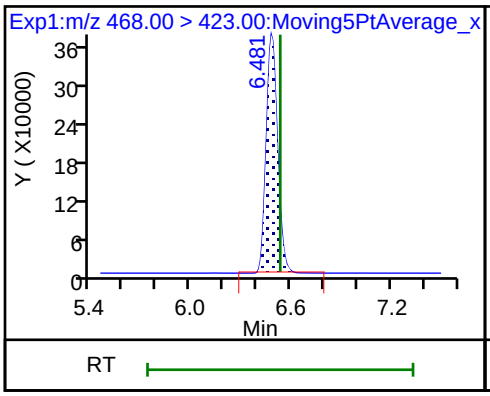
D 39 13C3 PFHxS



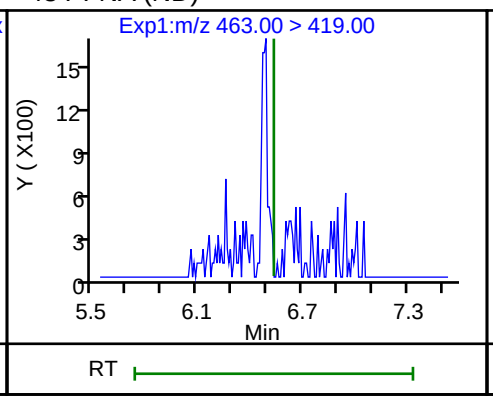
* 38 18O2 PFHxS



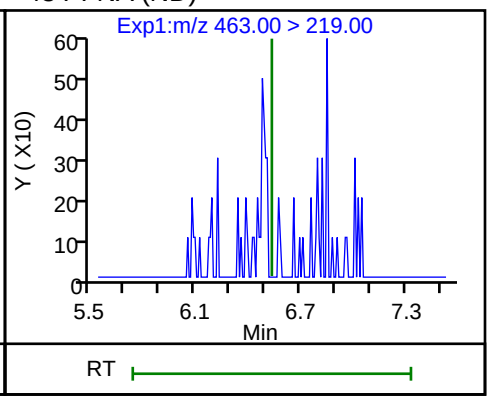
* 41 13C5 PFNA



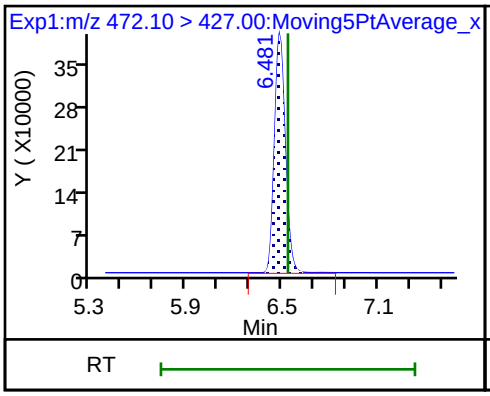
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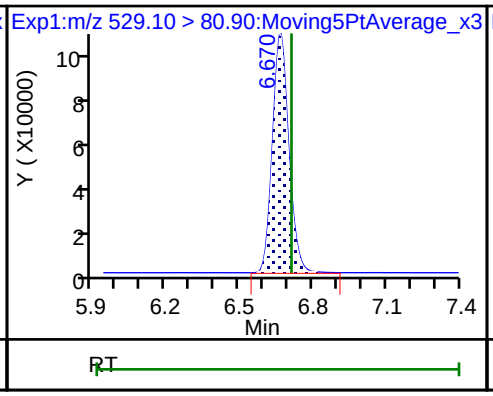
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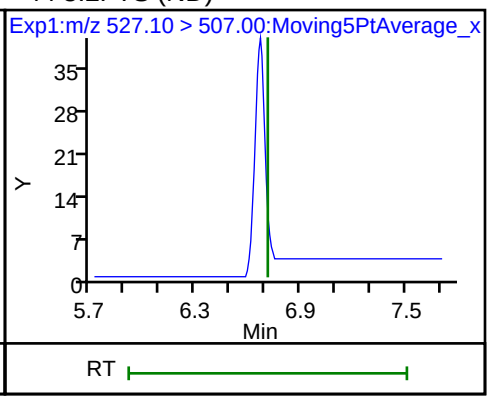
D 42 13C9 PFNA



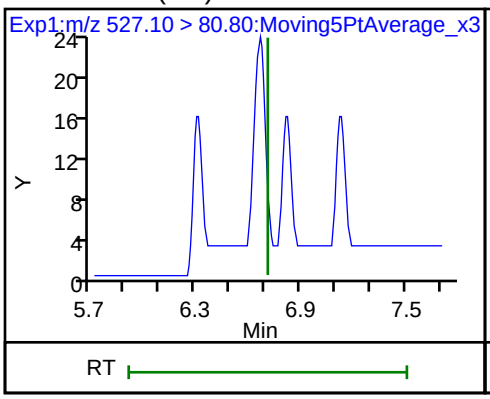
D 45 13C2-8:2FTS



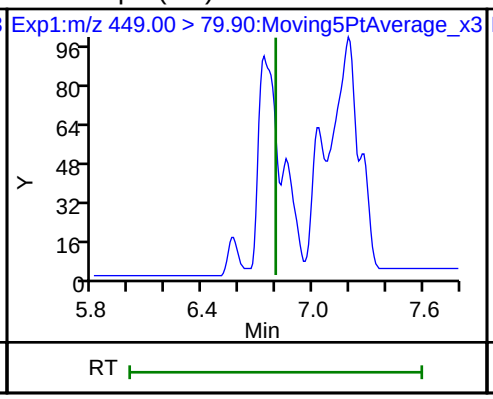
44 8:2FTS (ND)



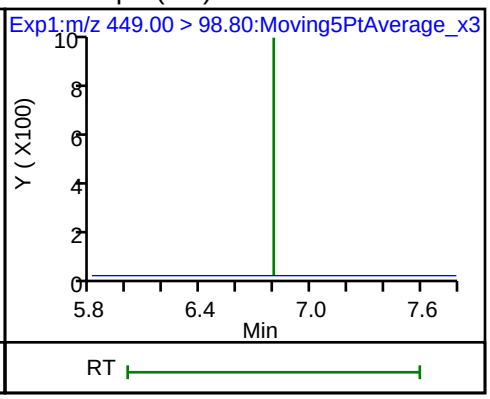
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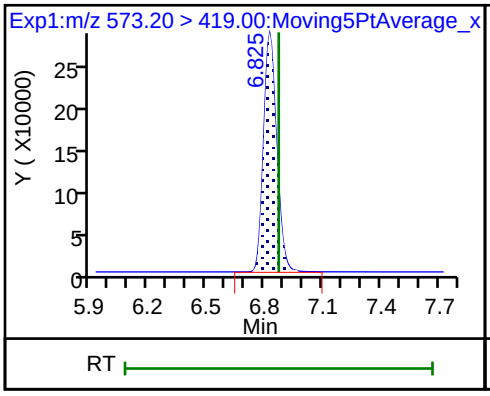
47 PFHpS (ND)



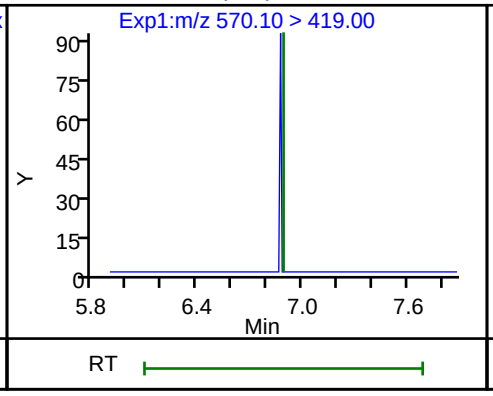
47 PFHpS (ND)



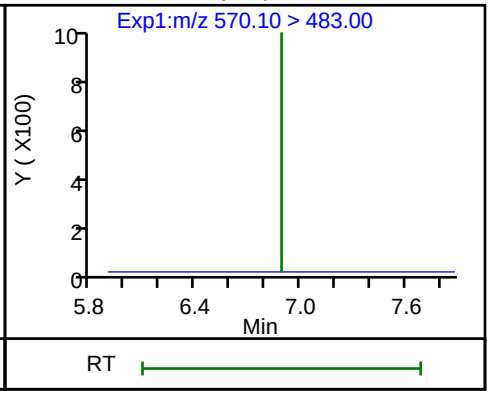
D 48 d3-NMeFOSAA



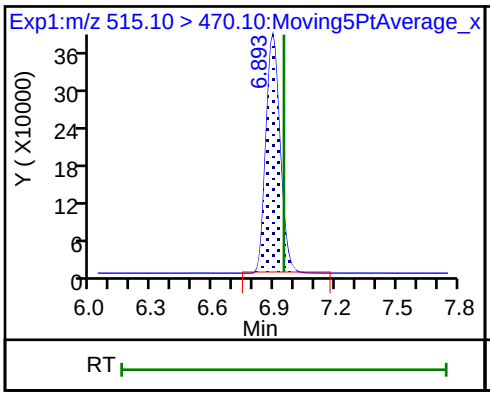
49 NMeFOSAA (ND)



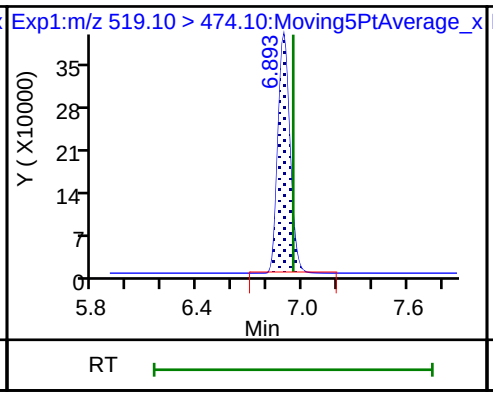
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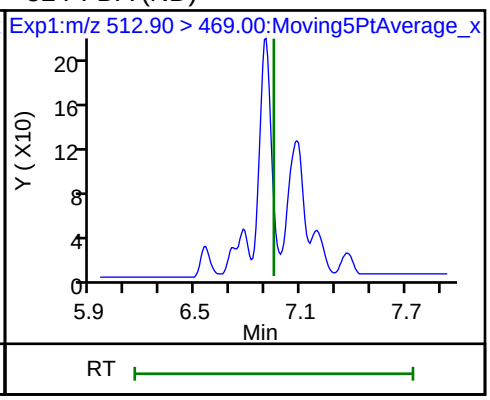
* 50 13C2 PFDA



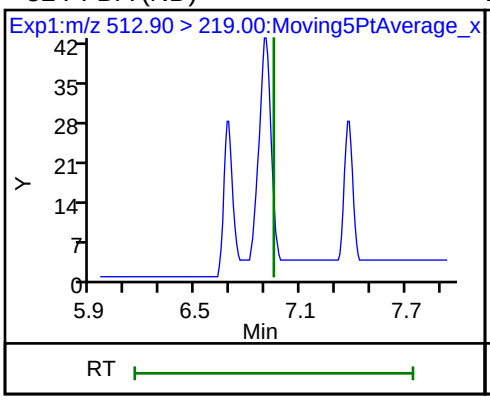
D 51 13C6 PFDA



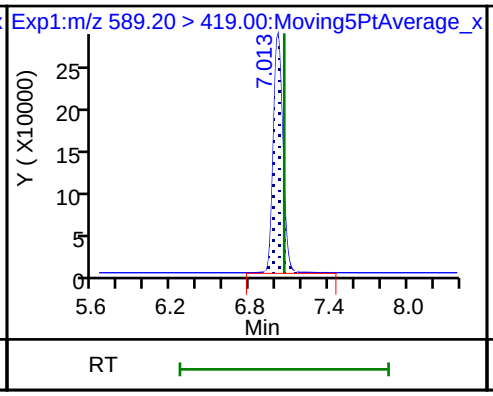
52 PFDA (ND)



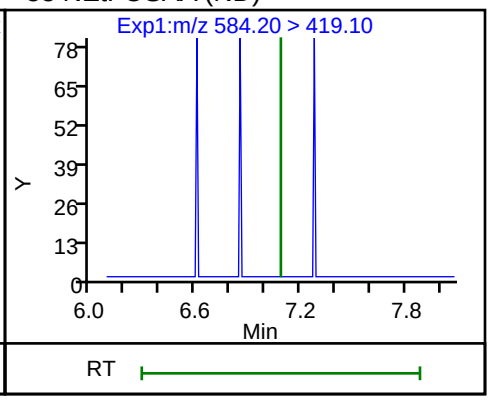
52 PFDA (ND)



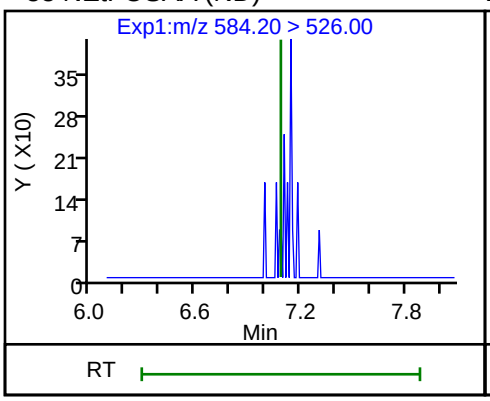
D 54 d5-NEtFOSAA



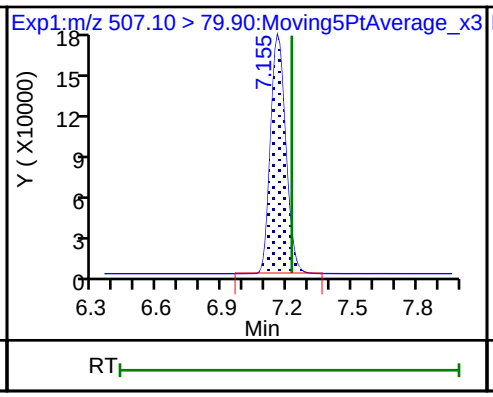
55 NEtFOSAA (ND)



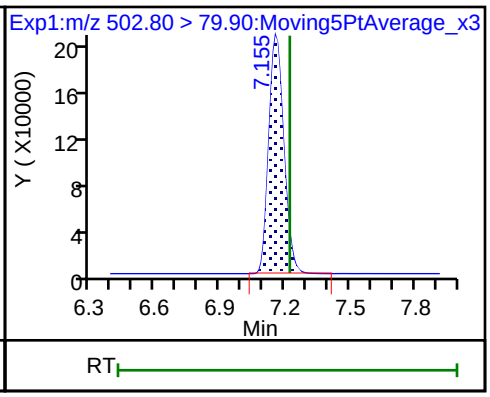
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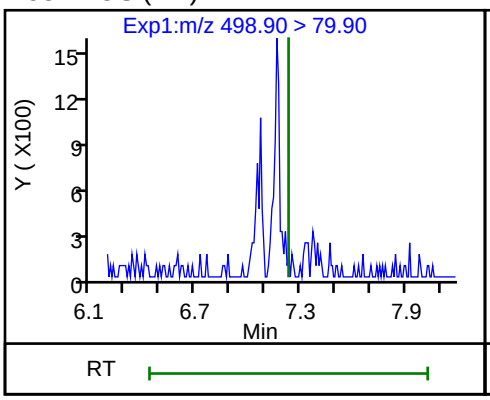
D 56 13C8 PFOS



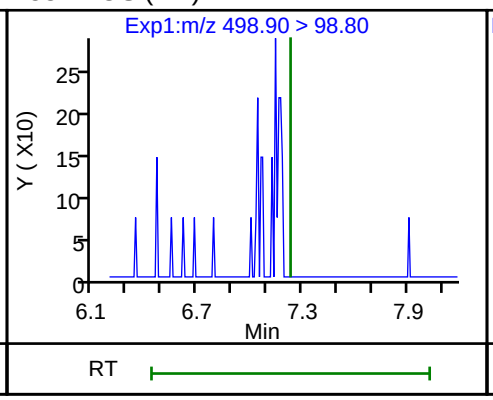
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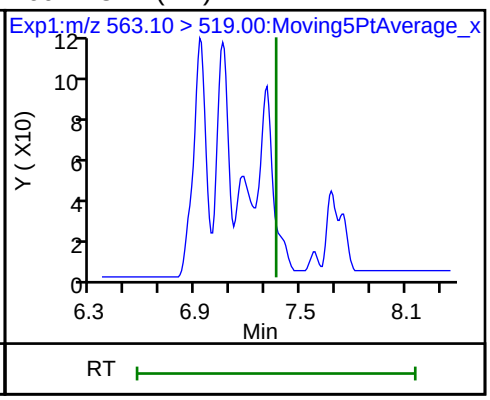
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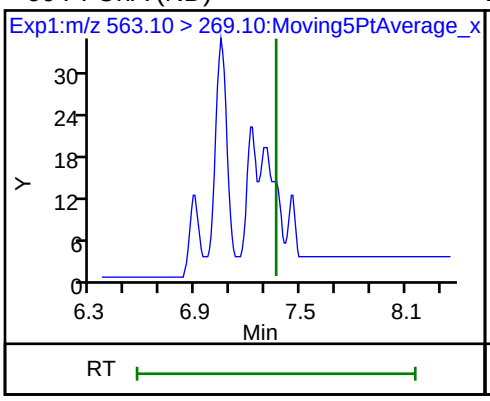
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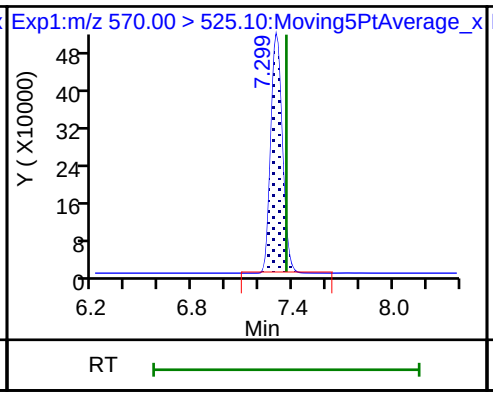
60 PFUnA (ND)



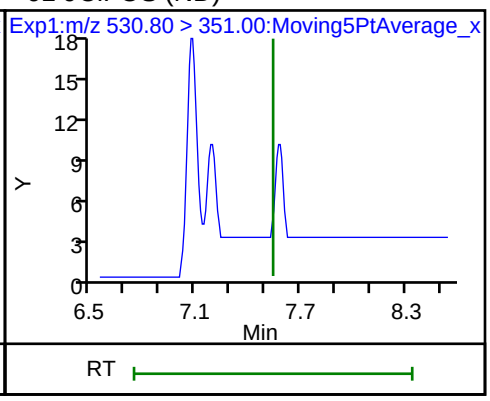
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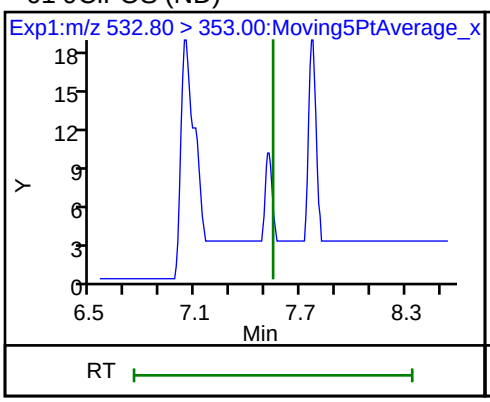
D 59 13C7 PFUnA



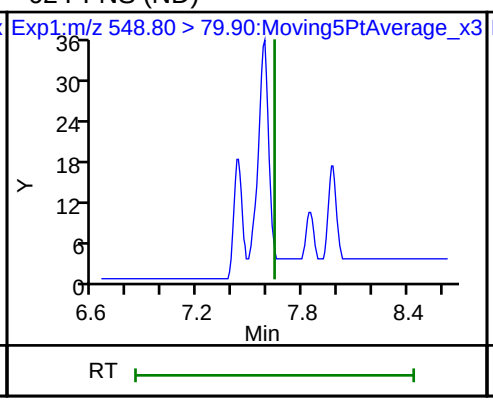
61 9ClFOS (ND)



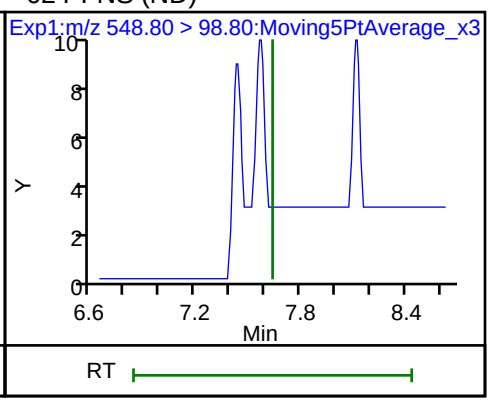
61 9ClFOS (ND)



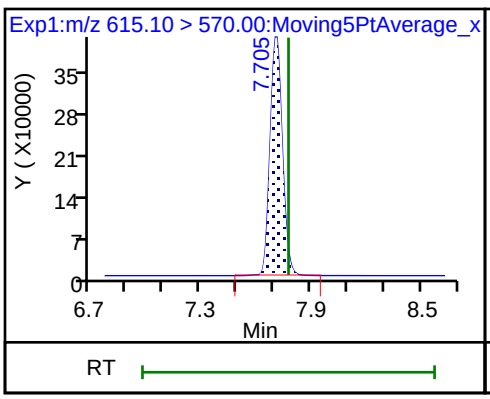
62 PFNS (ND)



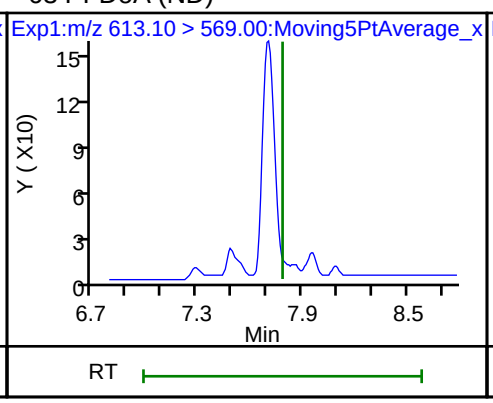
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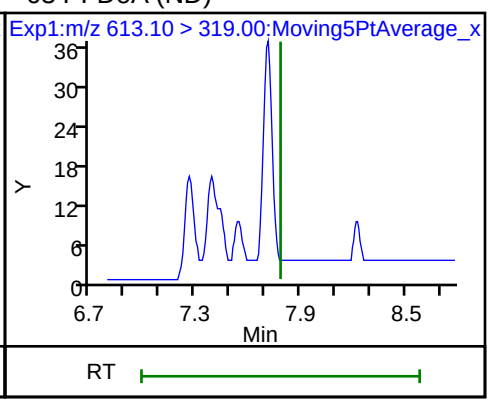
D 81 13C2 PFDoA



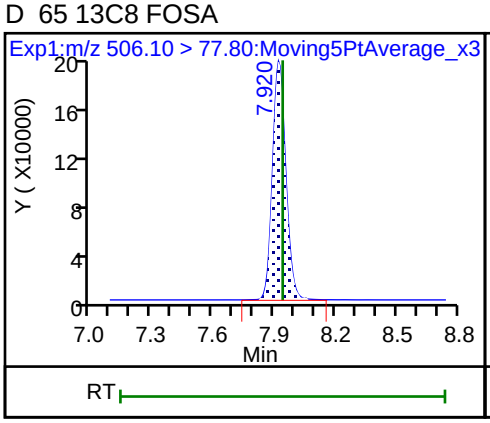
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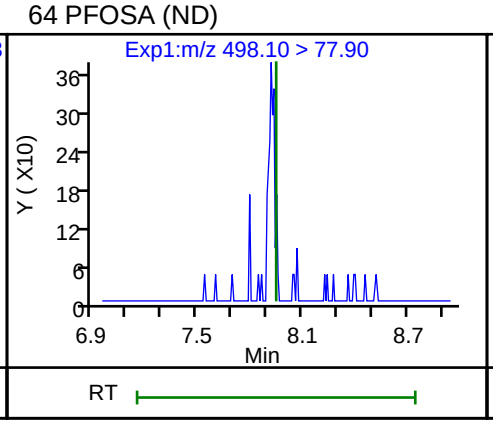
63 PFDoA (ND)



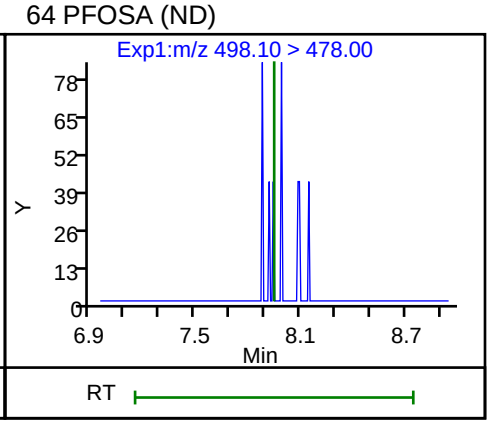
D 65 13C8 FOSA



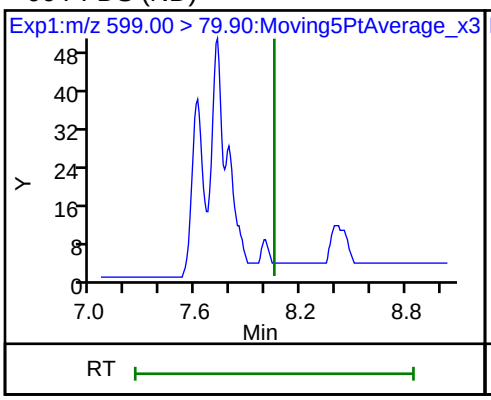
64 PFOSA (ND)



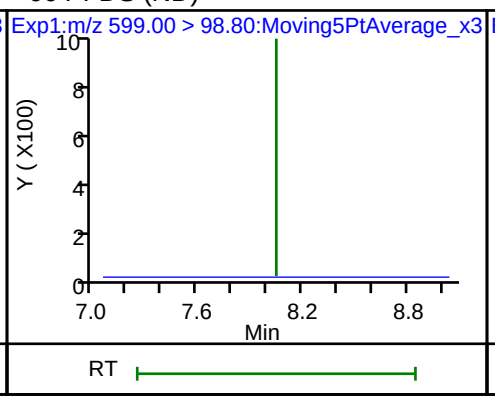
64 PFOSA (ND)



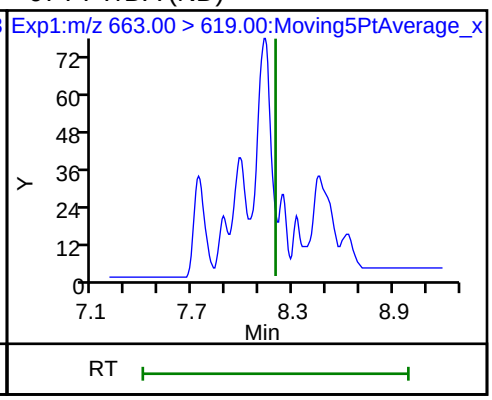
66 PFDS (ND)



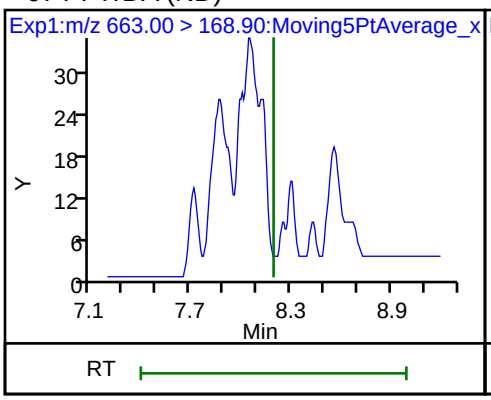
66 PFDS (ND)



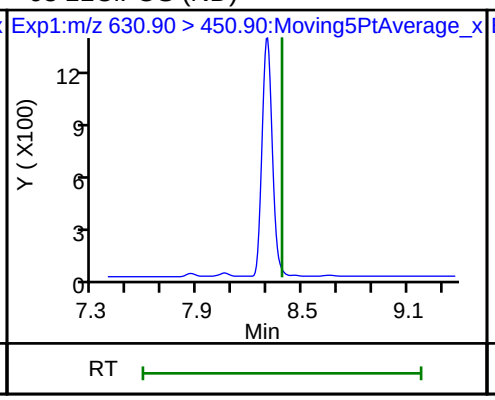
67 PFTrDA (ND)



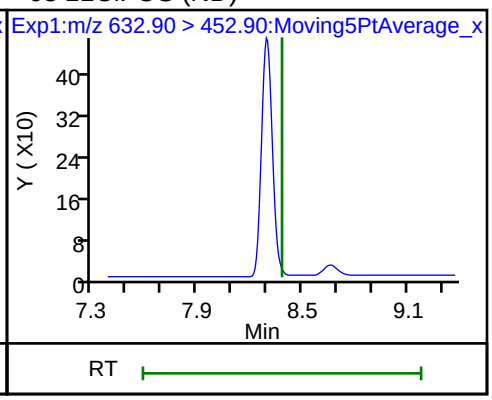
67 PFTrDA (ND)



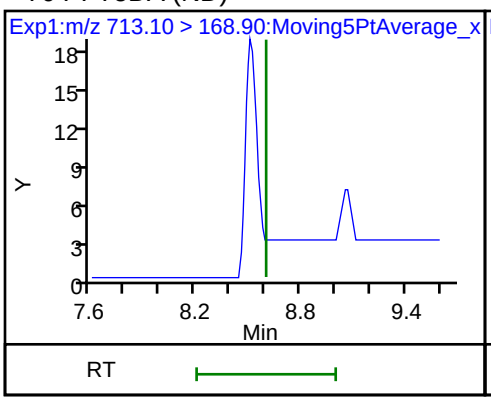
68 11ClFOS (ND)



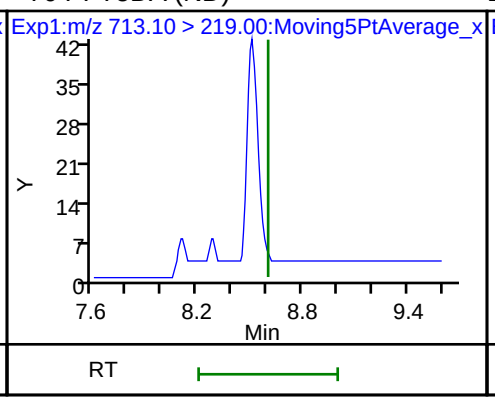
68 11ClFOS (ND)



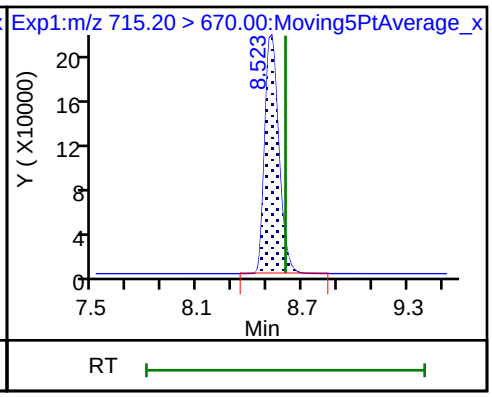
70 PFTeDA (ND)



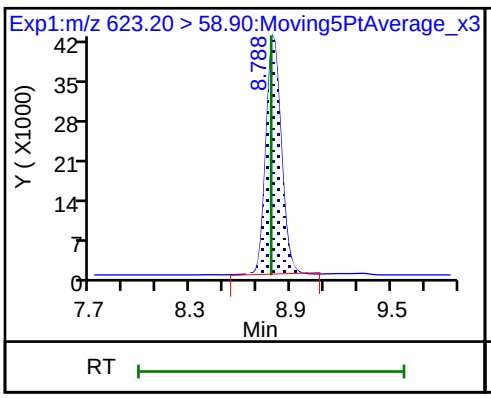
70 PFTeDA (ND)



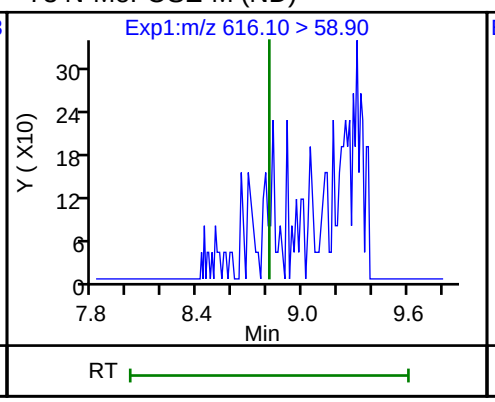
D 69 13C2 PFTeDA



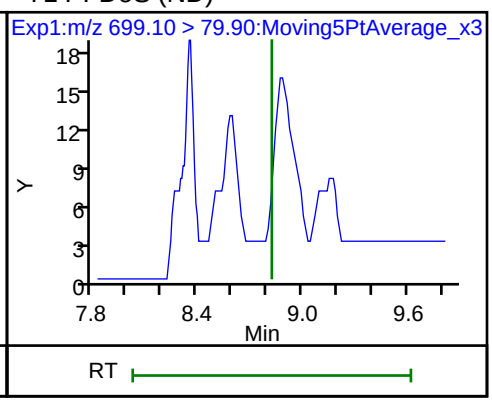
D 72 d7-N-Me-FOSE



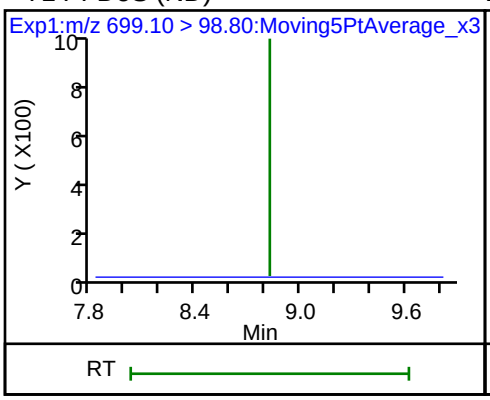
73 N-MeFOSE-M (ND)



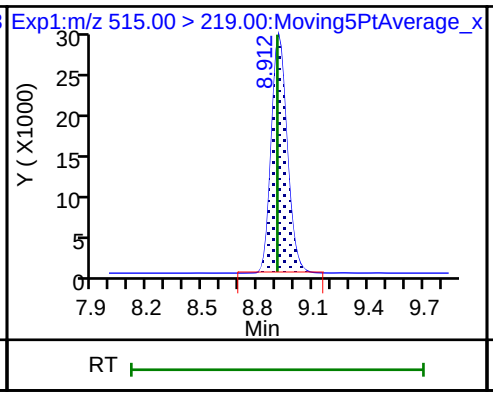
71 PFDoS (ND)



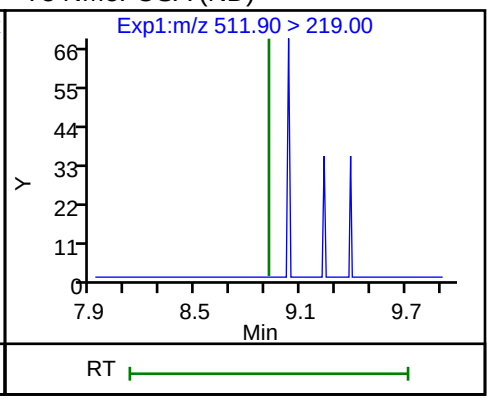
71 PFDoS (ND)



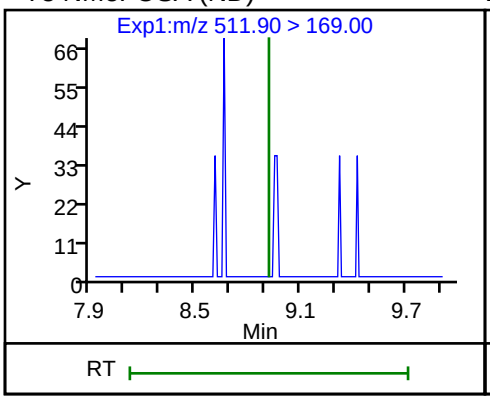
D 74 d3-NMePFOSA



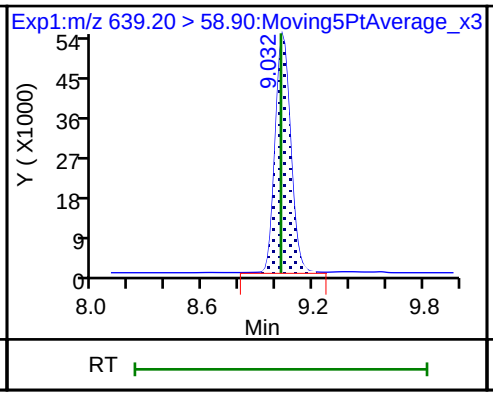
75 NMeFOSA (ND)



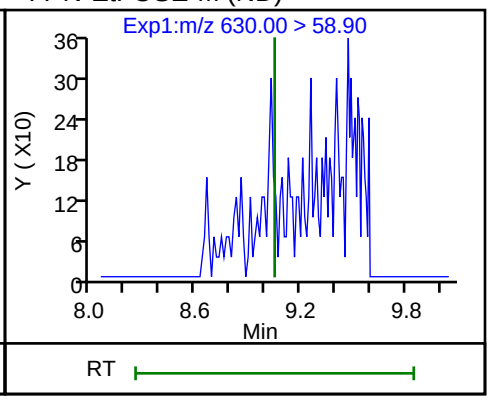
75 NMeFOSA (ND)



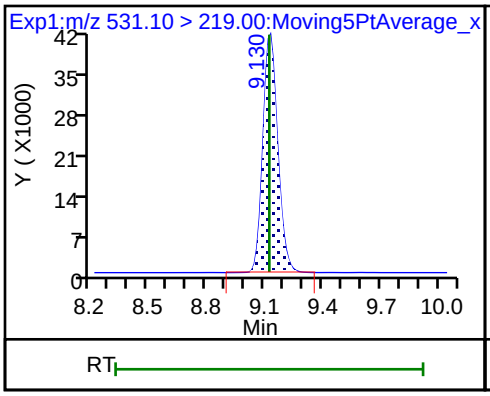
D 76 d9-N-EtFOSE



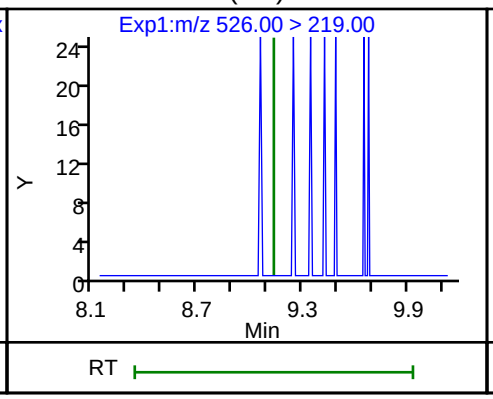
77 N-EtFOSE-M (ND)



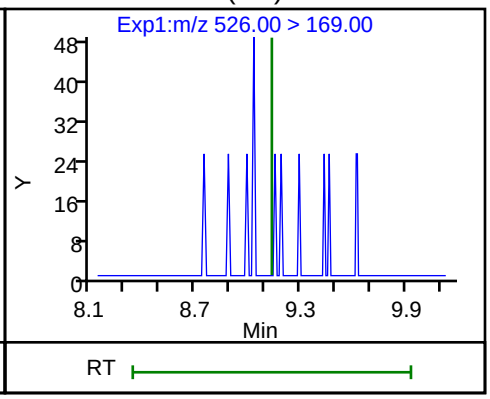
D 78 d5-NEtPFOSA



79 N-EtFOSA-M (ND)



79 N-EtFOSA-M (ND)



FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1 Analy Batch No.: 610933

SDG No.:

Instrument ID: 29347 GC Column: Gemini C18 5 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/27/2025 15:11 Calibration End Date: 02/27/2025 16:49 Calibration ID: 70169

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-610933/1	25FEB27ICAL-01.d
Level 2	IC 410-610933/2	25FEB27ICAL-02.d
Level 3	IC 410-610933/3	25FEB27ICAL-03.d
Level 4	IC 410-610933/4	25FEB27ICAL-04.d
Level 5	ICISAV 410-610933/5	25FEB27ICAL-05.d
Level 6	IC 410-610933/6	25FEB27ICAL-06.d
Level 7	IC 410-610933/7	25FEB27ICAL-07.d
Level 8	IC 410-610933/8	25FEB27ICAL-08.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Perfluoropropionic acid (PFPrA)	1.0706 1.0049	1.1101 1.0630	0.9921	1.0205	1.0839	AveID		1.0493				4.2		20.0			
Perfluorobutanoic acid	1.0442 0.9190	1.0073 0.9629	0.9330 +++++	0.9347	1.0002	AveID		0.9716				4.8		20.0			
Perfluoro-3-methoxypropanoic acid	2.0878 2.0110	2.1491 2.1185	1.9888	1.9925	2.2052	AveID		2.0790				4.1		20.0			
3:3 FTCA	0.1103 0.1264	0.1362 0.1287	0.1218	0.1223	0.1376	L2ID	-0.0022	0.1296				6.4		20.0			
Perfluoropentanoic acid	1.8229 1.5514	1.7684 1.6899	1.5421 1.4512	1.6006	1.7457	L2ID	0.0124	1.5972				6.5		20.0			
Perfluoro(4-methoxybutanoic acid)	1.7029 1.7112	1.9149 1.8028	1.7022	1.7646	1.9213	AveID		1.7886				5.4		20.0			
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	3.1207 3.2569	3.5159 3.5605	3.4067	3.3185	3.5516	AveID		3.3901				4.9		20.0			
Perfluoro-3,6-dioxaheptanoic acid	0.2493 0.2393	0.2885 0.2503	0.2428	0.2503	0.2628	AveID		0.2548				6.5		20.0			
Perfluorohexanoic acid	1.2853 0.9283	1.1386 0.9842	0.9529 0.8185	0.9424	1.0270	L2ID	0.0185	0.9364				7.2		20.0			
5:3 FTCA	0.1396 0.1226	0.1495 0.1325	0.1214	0.1309	0.1410	AveID		0.1339				7.6		20.0			
Perfluorobutanesulfonic acid	1.1102 1.0426	1.1749 1.0950	1.0228 +++++	1.0323	1.1657	AveID		1.0919				5.7		20.0			
HFPO-DA	1.0475 1.1077	1.3049 1.1599	1.0995 +++++	1.1284	1.1794	AveID		1.1468				7.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1 Analy Batch No.: 610933

SDG No.:

Instrument ID: 29347 GC Column: Gemini C18 5 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/27/2025 15:11 Calibration End Date: 02/27/2025 16:49 Calibration ID: 70169

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
PFEESA	4.4639 4.2201	4.9251 4.1579	4.1062	4.1073	4.7207	AveID		4.3859				7.5		20.0			
Perfluoroheptanoic acid	1.3024 0.9888	1.1394 1.1045	1.0145 0.8718	0.9937	1.1549	L2ID	0.0145	1.0136				8.9		20.0			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.4113 3.0878	3.6128 3.1540	3.2305 +++++	3.2263	3.5141	AveID		3.3195				5.9		20.0			
Perfluoropentanesulfonic acid	1.0072 0.9646	1.1847 1.0603	0.9752 +++++	1.0501	1.0657	AveID		1.0440				7.1		20.0			
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	5.0942 4.4852	5.1242 4.6037	4.3005	4.6861	4.5869	AveID		4.6973				6.5		20.0			
Perfluorobutanesulfonamide (FBSA)	1.5336 1.3572	1.4171 1.4331	1.3383	1.4181	1.5403	AveID		1.4339				5.5		20.0			
Bis(trifluoromethane)sulfonamide (TFSI)	3.8531 3.2076	3.9708 3.6065	3.5283	3.7298	3.7347	AveID		3.6616				6.8		20.0			
Perfluorooctanoic acid	1.0670 0.9126	1.0773 0.9380	0.8809 0.7957	0.9252	0.9753	L2ID	0.0096	0.9084				7.7		20.0			
7:3 FTCA	0.1173 0.1046	0.1162 0.1102	0.1031	0.1039	0.1117	L2ID	0.0029	0.1070				4.1		20.0			
Perfluorohexanesulfonic acid	1.3183 1.0192	1.1976 1.0866	1.0326 0.9879	1.0941	1.0562	L2ID	0.0133	1.0413				4.0		20.0			
Perfluorononanoic acid	1.0672 0.8682	0.9991 0.8770	0.8457 0.7468	0.8791	0.9083	L2ID	0.0117	0.8524				6.6		20.0			
Perfluorohexanesulfonamide (FHxSA)	1.0237 0.9931	1.0891 1.0876	0.9892	1.0453	1.0334	AveID		1.0373				3.9		20.0			
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	4.4739 4.3074	4.5093 4.2990	4.1716	4.2495	4.2487	AveID		4.3228				2.9		20.0			
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.2641 0.2794	0.3313 0.2951	0.2714	0.2872	0.2905	AveID		0.2884				7.6		20.0			
Perfluoroheptanesulfonic acid	1.0523 1.0664	1.2259 1.0477	1.0713 +++++	1.1008	1.1786	AveID		1.1061				6.3		20.0			
NMeFOSAA	1.1224 1.0428	1.0988 1.0343	0.9876	1.1008	1.0769	L2ID	0.0039	1.0487				3.9		20.0			
Perfluorodecanoic acid	1.0896 0.9699	1.1310 1.0752	1.0009	1.0181	1.0833	AveID		1.0526				5.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1 Analy Batch No.: 610933

SDG No.:

Instrument ID: 29347 GC Column: Gemini C18 5 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/27/2025 15:11 Calibration End Date: 02/27/2025 16:49 Calibration ID: 70169

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
NEtFOSAA	0.8439 0.8148	0.9261 0.8178	0.7608	0.8446	0.8620	L2ID	0.0020	0.8294				6.4		20.0			
Perfluorooctanesulfonic acid	1.3984 1.1188	1.3020 1.1646	1.1511 1.0482	1.1510	1.2169	L2ID	0.0130	1.1383				4.8		20.0			
Perfluoroundecanoic acid	0.9639 0.8877	0.9323 0.8532	0.8332	0.8322	0.9027	AveID		0.8864				5.7		20.0			
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	4.2800 4.0773	4.4740 4.1590	4.2419	4.2120	4.5677	AveID		4.2874				4.1		20.0			
Perfluorononanesulfonic acid	0.9016 0.8893	0.9619 0.8589	0.8649	0.8683	0.9064	AveID		0.8930				4.0		20.0			
Perfluorododecanoic acid	1.1181 1.0277	1.1072 1.0661	0.9951	1.0333	1.1092	AveID		1.0652				4.5		20.0			
Perfluorooctanesulfonamide	1.0946 1.0552	1.1662 1.1096	1.0190	1.0757	1.1217	AveID		1.0917				4.4		20.0			
Perfluorodecanesulfonic acid	0.9791 0.9581	1.0933 0.9471	0.9721	0.9628	1.0170	AveID		0.9899				5.1		20.0			
Perfluorotridecanoic acid	1.5282 1.4027	1.4769 1.4192	1.4112	1.3760	1.5691	AveID		1.4548				4.9		20.0			
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	4.6554 3.9302	4.5012 3.8643	4.0665	4.2739	4.4450	L2ID	0.0284	4.1116				5.5		20.0			
Perfluorotetradecanoic acid	0.3668 0.2523	0.2947 0.2713	0.2755	0.2507	0.2928	L2ID	0.0050	0.2638				6.2		20.0			
Perfluorododecanesulfonic acid (PFDoS)	1.1408 1.0972	1.2245 1.0859	1.1135	1.1509	1.1831	AveID		1.1423				4.3		20.0			
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	1.2440 1.0709	1.2194 1.1567	1.0965	1.1145	1.2007	AveID		1.1575				5.7		20.0			
NMeFOSA	1.3532 1.0816	1.1317 1.1241	1.0855	1.1028	1.1962	L2ID	0.0111	1.1031				5.0		20.0			
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	1.2128 1.0934	1.2195 1.1945	1.1094	1.1442	1.2390	AveID		1.1732				4.9		20.0			
N-ethylperfluoro-1-octanesulfonamide	1.1299 1.1447	1.3632 1.2274	1.1495	1.2100	1.2376	AveID		1.2089				6.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1 Analy Batch No.: 610933

SDG No.:

Instrument ID: 29347 GC Column: Gemini C18 5 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/27/2025 15:11 Calibration End Date: 02/27/2025 16:49 Calibration ID: 70169

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Perfluoro-n-octadecanoic acid (PFODA)	3.2221 2.7067	3.1333 2.7655	2.6912	2.6347	2.9919	L2ID	0.0255	2.7623				5.6		20.0			
13C3 PFPrA	0.5109 0.4497	0.4666 0.4561	0.5067 +++++	0.5200	0.5065	Ave		0.4881				6.0		20.0			
13C4 PFBA	1.1700 1.1664	1.1518 1.1478	1.1383 1.0871	1.1516	1.1558	Ave		1.1461				2.3		20.0			
13C5 PFPeA	0.5360 0.5160	0.5146 0.5298	0.5174 0.4965	0.5175	0.5037	Ave		0.5164				2.5		20.0			
M2-4:2 FTS	0.0968 0.0918	0.0905 0.0829	0.0871 0.0914	0.0833	0.0897	Ave		0.0892				5.2		20.0			
13C5 PFHxA	1.0758 1.0971	1.0552 1.1160	1.1061 1.0426	1.0896	1.0538	Ave		1.0795				2.5		20.0			
13C3 PFBS	1.1074 1.1328	1.1107 1.0897	1.0621 1.0170	1.0599	1.0845	Ave		1.0830				3.3		20.0			
13C3 HFPO-DA	0.7036 0.6885	0.6947 0.7116	0.6753 0.7368	0.6756	0.6753	Ave		0.6952				3.1		20.0			
13C4 PFHpA	1.3091 1.3634	1.3532 1.3257	1.3071 1.2399	1.3353	1.3334	Ave		1.3209				2.9		20.0			
M2-6:2 FTS	0.0635 0.0627	0.0633 0.0567	0.0608 0.0593	0.0617	0.0671	Ave		0.0619				5.0		20.0			
13C8 PFOA	1.0479 1.0237	1.0153 1.0216	1.0412 0.9655	1.0015	0.9919	Ave		1.0136				2.6		20.0			
13C3 PFHxS	1.0405 1.0507	0.9660 0.9693	0.9468 0.8947	0.9280	1.0529	Ave		0.9811				6.1		20.0			
13C9 PFNA	0.9718 0.9794	0.9909 0.9890	0.9664 0.9441	0.9635	1.0166	Ave		0.9777				2.2		20.0			
M2-8:2 FTS	0.0398 0.0379	0.0413 0.0352	0.0366 0.0400	0.0378	0.0421	Ave		0.0388				6.1		20.0			
d3-NMeFOSAA	0.3759 0.3678	0.3492 0.3702	0.3648 +++++	0.3383	0.3840	Ave		0.3643				4.3		20.0			
13C6 PFDA	1.0621 1.0197	1.0295 1.0329	0.9903 +++++	1.0071	1.0315	Ave		1.0247				2.2		20.0			
d5-NEtFOSAA	0.3153 0.3039	0.3024 0.3167	0.3176 +++++	0.3092	0.3280	Ave		0.3133				2.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1 Analy Batch No.: 610933

SDG No.:

Instrument ID: 29347 GC Column: Gemini C18 5 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/27/2025 15:11 Calibration End Date: 02/27/2025 16:49 Calibration ID: 70169

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
13C8 PFOS	0.9658 0.9607	0.9207 0.9623	0.9211 0.9071	0.9170	0.9717	Ave		0.9408				2.8		20.0			
13C7 PFUnA	0.7980 0.6636	0.7512 0.7785	0.7101 +++++	0.6997	0.7121	Ave		0.7305				6.5		20.0			
13C2 PFDoA	0.6139 0.5608	0.6264 0.6137	0.5817 +++++	0.5465	0.5836	Ave		0.5895				5.0		20.0			
13C8 FOSA	0.8861 0.9363	0.8965 0.9104	0.8835 +++++	0.8720	0.9382	Ave		0.9033				2.9		20.0			
13C2 PFTeDA	0.6473 0.5928	0.6537 0.6479	0.5991 +++++	0.6042	0.6154	Ave		0.6229				4.2		20.0			
d7-N-MeFOSE-M	0.0992 0.1079	0.1006 0.1031	0.1016 +++++	0.1004	0.1024	Ave		0.1022				2.8		20.0			
d3-NMePFOSA	0.1925 0.2066	0.1955 0.2063	0.2018 +++++	0.1876	0.2050	Ave		0.1993				3.8		20.0			
d9-N-EtFOSE-M	0.1264 0.1352	0.1238 0.1262	0.1276 +++++	0.1253	0.1299	Ave		0.1278				3.0		20.0			
d5-NEtPFOSA	0.2222 0.2326	0.2194 0.2245	0.2172 +++++	0.2142	0.2305	Ave		0.2230				3.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-209941-1 | Analy Batch No.: 610933

SDG No.:

Instrument ID: 29347 | GC Column: Gemini C18 ID: 3(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 02/27/2025 15:11 | Calibration End Date: 02/27/2025 16:49 | Calibration ID: 70169

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-610933/1	25FEB27ICAL-01.d
Level 2	IC 410-610933/2	25FEB27ICAL-02.d
Level 3	IC 410-610933/3	25FEB27ICAL-03.d
Level 4	IC 410-610933/4	25FEB27ICAL-04.d
Level 5	ICISAV 410-610933/5	25FEB27ICAL-05.d
Level 6	IC 410-610933/6	25FEB27ICAL-06.d
Level 7	IC 410-610933/7	25FEB27ICAL-07.d
Level 8	IC 410-610933/8	25FEB27ICAL-08.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Perfluoropropionic acid (PFPrA)		AveID	148642 11173870	355912 24460467	1324020	2875072	7462771	0.250 25.0	0.625 50.0	2.50	5.00	12.5
Perfluorobutanoic acid		AveID	132797 10601519	318892 22302376	1118774 +++++	2333145	6285785	0.100 10.0	0.250 20.0	1.00 +++++	2.00	5.00
Perfluoro-3-methoxypropanoic acid		AveID	56052 5011392	137169 10480688	485262	1032837	2748133	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
3:3 FTCA		L2ID	5922 629787	17384 1273722	59425	126809	342970	0.100 10.0	0.250 20.0	1.00	2.00	5.00
Perfluoropentanoic acid		L2ID	48939 3866065	112872 8360431	376271 32143543	829709	2175416	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
Perfluoro(4-methoxybutanoic acid)		AveID	45719 4264268	122222 8919101	415333	914713	2394341	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)		AveID	40070 3793320	108254 7798973	403390	762538	2098702	0.0934 9.34	0.234 18.7	0.934	1.87	4.67
Perfluoro-3,6-dioxaheptanoic acid		AveID	13433 1268190	37761 2608725	126634	273172	685072	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorohexanoic acid		L2ID	69253 4918564	149014 10256926	497097 38067647	1028455	2677592	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
5:3 FTCA		AveID	37622 3248742	97839 6903384	316594	714329	1837642	0.250 25.0	0.625 50.0	2.50	5.00	12.5
Perfluorobutanesulfonic acid		AveID	77491 7126560	210984 14995044	701700 +++++	1434907	3960887	0.0444 4.44	0.111 8.88	0.444 +++++	0.888	2.22
HFPO-DA		AveID	27687 2762395	84328 5780717	262635 +++++	572655	1477887	0.0375 3.75	0.0938 7.50	0.375 +++++	0.750	1.88
PFEESA		AveID	214545 19945395	574951 38652367	1910677	3998370	10978704	0.0446 4.46	0.112 8.92	0.446	0.892	2.23
Perfluoroheptanoic acid		L2ID	85396 6510878	191233 13673104	625353 48220036	1329052	3809706	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1 Analy Batch No.: 610933

SDG No.:

Instrument ID: 29347 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/27/2025 15:11 Calibration End Date: 02/27/2025 16:49 Calibration ID: 70169

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		AveID	113727 9712399	294486 19827447	973274 +++++	2065274	5554420	0.0473 4.73	0.118 9.46	0.473 +++++	0.946	2.37
Perfluoropentanesulfonic acid		AveID	69923 6474087	195878 13671834	631328 +++++	1352876	3721380	0.0470 4.70	0.118 9.40	0.470 +++++	0.940	2.35
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)		AveID	43538 3621534	112042 6999715	360515	810052	2060038	0.0948 9.48	0.237 19.0	0.948	1.90	4.74
Perfluorobutanesulfonamide (FBSA)		AveID	120540 10447156	286572 22099299	1033906	2219711	5893409	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Bis(trifluoromethane)sulfonamide (TFSI)		AveID	278595 22420996	683757 48434550	2379061	5004792	13582742	0.0490 4.90	0.122 9.79	0.490	0.979	2.45
Perfluorooctanoic acid		L2ID	69522 5690573	170261 11636003	568527 45946745	1161908	3038284	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
7:3 FTCA		L2ID	31614 2771631	76011 5744937	269015	566911	1456372	0.250 25.0	0.625 50.0	2.50	5.00	12.5
Perfluorohexanesulfonic acid		L2ID	88796 6636294	192116 13594264	648575 54541431	1367652	3578475	0.0456 4.56	0.114 9.12	0.456 45.6	0.912	2.28
Perfluorononanoic acid		L2ID	70198 5561856	166444 11371256	523232 43563389	1128819	3038825	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
Perfluorohexanesulfonamide (FHxSA)		AveID	75609 7090452	191560 14919703	681299	1432653	3838949	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)		AveID	24225 2128107	64918 4108312	212727	454154	1208840	0.0958 9.58	0.240 19.2	0.958	1.92	4.79
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)		AveID	18026 1843222	53844 3740579	172717	363733	997158	0.0462 4.62	0.116 9.24	0.462	0.924	2.31
Perfluoroheptanesulfonic acid		AveID	75604 7064191	209646 14226054	696218 +++++	1509825	4057182	0.0477 4.77	0.119 9.54	0.477 +++++	0.954	2.39
NMeFOSAA		L2ID	32903 2772258	74710 5662630	266435	583900	1535510	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorodecanoic acid		AveID	57157 5265010	146058 10705186	515252	1143168	2915036	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
NEtFOSAA		L2ID	20745 1789639	54534 3830717	178688	409453	1049744	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorooctanesulfonic acid		L2ID	97944 7224830	217070 15415319	729228 59946502	1538958	4083680	0.0465 4.65	0.116 9.30	0.465 46.5	0.930	2.33
Perfluoroundecanoic acid		AveID	37988 3136096	87852 6402119	307568	649235	1676965	0.0500 5.00	0.125 10.0	0.500	1.00	2.50

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1 Analy Batch No.: 610933

SDG No.:

Instrument ID: 29347 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/27/2025 15:11 Calibration End Date: 02/27/2025 16:49 Calibration ID: 70169

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid		AveID	140877 12662163	360059 25813931	1261789	2662082	7128270	0.0467 4.67	0.117 9.34	0.467	0.934	2.34
Perfluorononanesulfonic acid		AveID	65323 5940172	165883 11760045	566794	1200907	3146255	0.0481 4.81	0.120 9.62	0.481	0.962	2.41
Perfluorododecanoic acid		AveID	33900 3068308	86998 6306753	300896	629665	1688670	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorooctanesulfonamide		AveID	75633 7141189	203582 14939798	665838	1470453	3907975	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorodecanesulfonic acid		AveID	71085 6413634	188929 12995562	638337	1334381	3537671	0.0482 4.82	0.121 9.64	0.482	0.964	2.41
Perfluorotridecanoic acid		AveID	47598 4307311	118574 8629833	433140	882727	2454033	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid		L2ID	154877 12335874	366123 24241130	1222570	2730125	7011028	0.0472 4.72	0.118 9.44	0.472	0.944	2.36
Perfluorotetradecanoic acid		L2ID	11728 796152	24163 1694283	85804	168868	470018	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorododecanesulfonic acid (PFDoS)		AveID	83340 7390191	212920 14992389	735730	1605022	4141010	0.0485 4.85	0.121 9.70	0.485	0.970	2.43
2-(N-methylperfluoro-1-octanesulfonamido) ethanol		AveID	48094 4176875	119388 8822809	412116	877223	2283429	0.250 25.0	0.625 50.0	2.50	5.00	12.5
NMeFOSA		L2ID	20311 1614711	43082 3429894	161977	324323	910447	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol		AveID	59775 5340286	146978 11144654	523467	1123749	2989254	0.250 25.0	0.625 50.0	2.50	5.00	12.5
N-ethylperfluoro-1-octanesulfonamide		AveID	19581 1924189	58242 4075615	184682	406268	1059347	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluoro-n-octadecanoic acid (PFODA)		L2ID	103021 8542135	256924 17271429	838179	1774902	4803531	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
13C3 PFPrA	13C3PFBA	Ave	1110710 889542	1025914 920430	1067667 +++++	1126956	1101604	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1 Analy Batch No.: 610933

SDG No.:

Instrument ID: 29347 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/27/2025 15:11 Calibration End Date: 02/27/2025 16:49 Calibration ID: 70169

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
13C4 PFBA	13C3PFBA	Ave	2543502 2307305	2532696 2316075	2398352 2022381	2496060	2513772	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C5 PFPeA	PFHxA	Ave	1073884 996817	1021213 989463	975992 885967	1036716	996954	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
M2-4:2 FTS	PFHxS	Ave	644747 584849	618438 549947	594597 580090	576916	593453	4.69 4.69	4.69 4.69	4.69 4.69	4.69	4.69
13C5 PFHxA	PFHxA	Ave	2155272 2119421	2093965 2084350	2086636 1860387	2182708	2085786	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C3 PFBS	PFHxS	Ave	2930225 2869612	3015581 2874406	2880176 2565603	2917755	2852865	1.86 1.86	1.86 1.86	1.86 1.86	1.86	1.86
13C3 HFPO-DA	PFHxA	Ave	1409659 1329981	1378641 1329058	1273905 1314787	1353362	1336674	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C4 PFHpA	PFHxA	Ave	2622630 2633778	2685433 2475976	2465714 2212438	2674976	2639038	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
M2-6:2 FTS	PFHxS	Ave	429129 405423	439152 381720	420920 382186	433977	451010	4.76 4.76	4.76 4.76	4.76 4.76	4.76	4.76
13C8 PFOA	PFOA	Ave	2606312 2494317	2528701 2480981	2581437 2309772	2511638	2492213	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C3 PFHxS	PFHxS	Ave	2800615 2707423	2667921 2600879	2611685 2295663	2598681	2817363	1.90 1.90	1.90 1.90	1.90 1.90	1.90	1.90
13C9 PFNA	PFNA	Ave	2631223 2562426	2665619 2593121	2474834 2333398	2568268	2676483	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
M2-8:2 FTS	PFHxS	Ave	271301 247547	288528 239407	255502 259722	267739	285116	4.80 4.80	4.80 4.80	4.80 4.80	4.80	4.80
d3-NMeFOSAA	PFOS	Ave	2931490 2658574	2719798 2737488	2697732 +++++	2652090	2851794	5.00 5.00	5.00 5.00	5.00 +++++	5.00	5.00
13C6 PFDA	PFDA	Ave	2098267 2171444	2066182 1991362	2059240 +++++	2245741	2152680	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00
d5-NEtFOSAA	PFOS	Ave	2458368 2196435	2355494 2342163	2348577 +++++	2423966	2435722	5.00 5.00	5.00 5.00	5.00 +++++	5.00	5.00
13C8 PFOS	PFOS	Ave	2879969 2655295	2742052 2721392	2604905 2351556	2748795	2759689	1.91 1.91	1.91 1.91	1.91 1.91	1.91	1.91
13C7 PFUnA	PFDA	Ave	1576486 1413189	1507735 1500804	1476639 +++++	1560243	1486219	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00
13C2 PFDoA	PFDA	Ave	1212772 1194250	1257243 1183188	1209547 +++++	1218711	1217915	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00
13C8 FOSA	PFOS	Ave	2763907 2706919	2793083 2692879	2613656 +++++	2734066	2787088	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00
13C2 PFTeDA	PFDA	Ave	1278918	1311976	1245829	1347327	1284410	2.00	2.00	2.00	2.00	2.00

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1 Analy Batch No.: 610933

SDG No.:

Instrument ID: 29347 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/27/2025 15:11 Calibration End Date: 02/27/2025 16:49 Calibration ID: 70169

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			1262358	1249079	+++++			2.00	2.00	+++++		
d7-N-MeFOSE-M	PFOS	Ave	773203 780066	783239 762789	751694 +++++	787112	760700	5.00 5.00	5.00 5.00	5.00 +++++	5.00	5.00
d3-NMePFOSA	PFOS	Ave	600371 597164	609092 610225	596876 +++++	588180	608882	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00
d9-N-EtFOSE-M	PFOS	Ave	985751 976835	964155 933008	943734 +++++	982156	965086	5.00 5.00	5.00 5.00	5.00 +++++	5.00	5.00
d5-NEtPFOSA	PFOS	Ave	693216 672402	683614 664114	642659 +++++	671529	684757	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00

Curve Type Legend:

Ave = Average ISTD
AveID = Average isotope dilution
L2ID = Linear 1/conc^2 IsoDil

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-01.d
Lims ID: IC CAL 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 27-Feb-2025 15:11:03 ALS Bottle#: 20002 Worklist Smp#: 1
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: IC CAL 1
Misc. Info.: Plate: 1 Rack: 1 410-0139404-001
Operator ID: US19_USR_INS00012E Instrument ID: 29347
Sublist: chrom-29347_1633Final*sub1

Method: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\29347_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 27-Feb-2025 19:04:36 Calib Date: 27-Feb-2025 16:49:35
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1602

First Level Reviewer: LDU5 Date: 27-Feb-2025 17:33:05
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C3PFPrA										
166.00 > 121.00	1.839	1.839	0.0	0.444	1110710	2.09		105	348	
2 Perfluoropropionic acid										
163.00 > 119.00	1.848	1.848	0.0	1.005	148642	0.2551		102	1.6	
D 4 13C4-PFBA										
216.80 > 171.90	4.141	4.141	0.0	1.000	2543502	2.04		102	73002	
3 PFBA										
212.80 > 168.90	4.141	4.141	0.0	1.000	132797	0.1075		107	420	
* 5 13C3PFBA										
216.00 > 172.00	4.141	4.141	0.0		2174002	2.00			670	
7 PFMPA										
229.00 > 84.90	4.385	4.385	0.0	0.923	56052	0.0502		100	1997	
6 3:3 FTCA										
241.00 > 177.00	4.385	4.385	0.0	0.923	5922	0.0967	Target=1.12	96.7	486	
241.00 > 117.00	4.385	4.385	0.0	0.923	5747		1.03(0.56-1.67)	96.7	90.1	
8 PFPA										
263.00 > 219.00	4.742	4.742	0.0	0.998	48939	0.0493		98.6	897	
D 9 13C5 PFPeA										
268.30 > 223.00	4.753	4.753	0.0	0.895	1073884	2.08		104	51337	
10 PFMBA										
279.00 > 85.10	4.932	4.932	0.0	1.038	45719	0.0476		95.2	2259	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.094	5.094	0.0	0.778	644747	5.09		109	30588	
11 4:2FTS										
327.10 > 307.00	5.094	5.094	0.0	1.000	40070	0.0860	Target=1.53	92.1	3212	
327.10 > 80.90	5.094	5.094	0.0	1.000	27668		1.45(0.76-2.29)	92.1	537	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										M
295.00 > 201.00	5.263	5.263	0.0	0.991	13433	0.0489	Target=17.76	97.9	932	a
295.00 > 84.90	5.253	5.263	-0.010	0.990	671		20.02(8.88-26.65)	97.9	47.3	M
16 PFHxA										M
313.00 > 269.00	5.308	5.308	0.0	1.000	69253	0.0489	Target=12.95	97.8	1447	M
313.00 > 118.90	5.308	5.308	0.0	1.000	5137		13.48(6.47-19.42)	97.8	368	
* 15 13C2 PFHxA										
315.10 > 270.00	5.308	5.308	0.0		5008575	5.00			153045	
D 17 13C5 PFHxA										
318.00 > 273.00	5.308	5.308	0.0	1.000	2155272	1.99		99.7	114663	
18 5:3 FTCA										
341.00 > 237.10	5.407	5.407	0.0	1.019	37622	0.2607	Target=2.90	104	1807	
341.00 > 217.00	5.396	5.407	-0.011	1.017	13509		2.78(1.45-4.35)	104	900	
19 PFBS										
298.70 > 79.90	5.461	5.461	0.0	1.000	77491	0.0451	Target=3.01	102	2686	
298.70 > 98.80	5.450	5.461	-0.011	0.998	26730		2.90(1.51-4.52)	102	1157	
D 20 13C3 PFBS										
302.10 > 79.90	5.461	5.461	0.0	0.834	2930225	1.91		102	100743	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.530	5.530	0.0	1.042	1409659	2.02		101	67090	
21 HFPO-DA										
284.90 > 168.90	5.530	5.530	0.0	1.000	27687	0.0343	Target=15.29	91.3	763	
284.90 > 184.90	5.530	5.530	0.0	1.000	1809		15.31(7.65-22.94)	91.3	108	
24 PFEESA										
314.80 > 134.90	5.745	5.745	0.0	1.082	214545	0.0454	Target=13.00	102	9811	
314.80 > 82.90	5.734	5.745	-0.011	1.080	18503		11.60(6.50-19.50)	102	517	
26 PFHpA										
363.10 > 319.00	5.823	5.823	0.0	1.000	85396	0.0499	Target=3.19	99.8	2738	
363.10 > 169.00	5.823	5.823	0.0	1.000	25034		3.41(1.60-4.79)	99.8	1208	
D 27 13C4 PFHpA										
367.10 > 322.00	5.823	5.823	0.0	1.097	2622630	1.98		99.1	128412	
28 ADONA										
376.90 > 250.90	6.002	6.002	0.0	1.085	113727	0.0486	Target=14.18	103	8120	
376.90 > 84.80	6.002	6.002	0.0	1.085	7679		14.81(7.09-21.26)	103	602	
29 PFPeS										
349.10 > 79.90	6.031	6.031	0.0	0.921	69923	0.0453	Target=2.90	96.5	4709	
349.10 > 98.90	6.031	6.031	0.0	0.921	26851		2.60(1.45-4.36)	96.5	1817	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.069	6.069	0.0	0.927	429129	4.88		103	30880	
30 6:2FTS										
427.10 > 407.00	6.060	6.060	0.0	0.998	43538	0.1028	Target=1.45	108	3125	
427.10 > 80.90	6.060	6.060	0.0	0.998	31440		1.38(0.72-2.17)	108	1638	
32 BTS										
280.00 > 147.00	6.225	6.225	0.0	0.951	278595	0.0515		105	259	
33 FBSA										
279.90 > 78.00	6.215	6.215	0.0	1.138	120540	0.0535		107	5137	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
36 PFOA										M
413.00 > 369.00	6.293	6.293	0.0	1.000	69522	0.0481	Target=2.12	96.3	7605	M
413.00 > 169.00	6.303	6.293	0.010	1.002	34629		2.01(1.06-3.17)	96.3	12177	
D 34 13C8 PFOA										
421.10 > 376.00	6.293	6.293	0.0	0.998	2606312	2.07		103	180462	
* 35 13C4 PFOA										
417.10 > 372.00	6.303	6.303	0.0		6218157	5.00			761558	
37 7:3 FTCA										
441.00 > 316.90	6.344	6.344	0.0	1.195	31614	0.2471	Target=0.48	98.9	2141	
441.00 > 336.90	6.344	6.344	0.0	1.195	67499		0.47(0.24-0.71)	98.9	3384	
* 38 18O2 PFHxS										
403.00 > 83.90	6.546	6.546	0.0		2685838	1.89			137701	
D 39 13C3 PFHxS										
402.10 > 79.90	6.546	6.546	0.0	1.000	2800615	2.01		106	143328	
40 PFHxS										M
398.70 > 79.90	6.546	6.546	0.0	1.000	88796	0.0450	Target=2.92	98.6	27094	M
398.70 > 98.90	6.546	6.546	0.0	1.000	28787		3.08(1.46-4.39)	98.6	59.5	
42 PFNA										M
463.00 > 419.00	6.746	6.746	0.0	1.000	70198	0.0488	Target=5.06	97.7	22956	
463.00 > 219.00	6.737	6.746	-0.009	0.999	12703		5.53(2.53-7.59)	97.7	3506	M
D 41 13C9 PFNA										
472.10 > 427.00	6.746	6.746	0.0	1.000	2631223	1.99		99.4	121522	
* 43 13C5 PFNA										
468.00 > 423.00	6.746	6.746	0.0		2707513	2.00			157115	
48 FHxSA										
397.90 > 78.00	6.880	6.880	0.0	1.051	75609	0.0493		98.7	3194	
44 8:2FTS										
527.10 > 507.00	6.935	6.935	0.0	0.999	24225	0.0991	Target=1.11	103	1817	
527.10 > 80.80	6.935	6.935	0.0	0.999	22085		1.10(0.55-1.66)	103	1641	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.944	6.944	0.0	1.061	271301	4.92		103	20051	
46 PFECHS										
461.00 > 381.00	6.962	6.962	0.0	1.064	18026	0.0423	Target=0.23	91.6	1294	
461.00 > 99.00	6.962	6.962	0.0	1.064	80008		0.23(0.12-0.34)	91.6	4342	
47 PFHpS										
449.00 > 79.90	7.007	7.007	0.0	0.940	75604	0.0454	Target=3.38	95.1	4114	
449.00 > 98.80	6.998	7.007	-0.009	0.939	25611		2.95(1.69-5.07)	95.1	1964	
D 50 d3-NMeFOSAA										
573.20 > 419.00	7.102	7.102	0.0	0.953	2931490	5.16		103	164357	
49 NMeFOSAA										
570.10 > 419.00	7.111	7.111	0.0	1.001	32903	0.0498	Target=2.33	99.7	98.3	
570.10 > 483.00	7.111	7.111	0.0	1.001	12860		2.56(1.16-3.49)	99.7	41.1	
* 52 13C2 PFDA										
515.10 > 470.10	7.173	7.173	0.0		1975628	2.00			106804	
D 53 13C6 PFDA										
519.10 > 474.10	7.173	7.173	0.0	1.000	2098267	2.07		104	114029	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
51 PFDA										
512.90 > 469.00	7.173	7.173	0.0	1.000	57157	0.0518	Target=6.26	104	3160	
512.90 > 219.00	7.173	7.173	0.0	1.000	9246		6.18(3.13-9.39)	104	713	
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.291	7.291	0.0	0.979	2458368	5.03		101	133650	
55 NEtFOSAA										M
584.20 > 419.10	7.299	7.299	0.0	1.001	20745	0.0484	Target=2.76	96.9	62.9	
584.20 > 526.00	7.291	7.299	-0.008	1.000	7653		2.71(1.38-4.14)	96.9	27.4	M
* 57 13C4 PFOS										
502.80 > 79.90	7.451	7.451	0.0		2981953	1.91			126238	
D 56 13C8 PFOS										
507.10 > 79.90	7.451	7.451	0.0	1.000	2879969	1.96		103	32188	
58 PFOS										M
498.90 > 79.90	7.451	7.451	0.0	1.000	97944	0.0457	Target=3.93	98.2	5812	M
498.90 > 98.80	7.451	7.451	0.0	1.000	23880		4.10(1.97-5.89)	98.2	60.2	
D 60 13C7 PFUnA										
570.00 > 525.10	7.601	7.601	0.0	1.060	1576486	2.18		109	109922	
59 PFUnA										
563.10 > 519.00	7.601	7.601	0.0	1.000	37988	0.0544	Target=6.78	109	2694	
563.10 > 269.10	7.601	7.601	0.0	1.000	5040		7.54(3.39-10.17)	109	354	
61 9ClFOS										
530.80 > 351.00	7.780	7.780	0.0	1.407	140877	0.0466	Target=3.19	99.8	10367	
532.80 > 353.00	7.772	7.780	-0.008	1.405	41343		3.41(1.59-4.78)	99.8	3125	
62 PFNS										
548.80 > 79.90	7.880	7.880	0.0	1.058	65323	0.0486	Target=3.47	101	2965	
548.80 > 98.80	7.871	7.880	-0.009	1.056	18534		3.52(1.73-5.20)	101	1412	
63 PFDoA										
613.10 > 569.00	8.013	8.013	0.0		33900	0.0525	Target=8.09	105	2744	
613.10 > 319.00	8.013	8.013	0.0		4601		7.37(4.04-12.13)	105	371	
D 64 PFDoA										
615.10 > 570.00	8.013	8.013	0.0	1.117	1212772	2.08		104	73388	
65 PFOSA										
498.10 > 77.90	8.075	8.075	0.0	1.000	75633	0.0501	Target=54.30	100	195	
498.10 > 478.00	8.075	8.075	0.0	1.000	1586		47.69(27.15-81.45)	100	6.0	
D 66 13C8 FOSA										
506.10 > 77.80	8.075	8.075	0.0	1.084	2763907	1.96		98.1	127365	
67 PFDS										
599.00 > 79.90	8.266	8.266	0.0	1.109	71085	0.0477	Target=3.76	98.9	4257	
599.00 > 98.80	8.266	8.266	0.0	1.109	19873		3.58(1.88-5.63)	98.9	1665	
68 PFTrDA										
663.00 > 619.00	8.400	8.400	0.0	0.959	47598	0.0525	Target=4.44	105	3377	
663.00 > 168.90	8.400	8.400	0.0	0.959	11383		4.18(2.22-6.65)	105	818	
69 11ClFOS										
630.90 > 450.90	8.566	8.566	0.0	1.549	154877	0.0465	Target=3.61	98.6	10275	
632.90 > 452.90	8.556	8.566	-0.010	1.547	44513		3.48(1.80-5.41)	98.6	2991	
D 71 13C2 PFTeDA										
715.20 > 670.00	8.760	8.760	0.0	1.221	1278918	2.08		104	62835	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
70 PFTeDA										
713.10 > 168.90	8.749	8.749	0.0	0.999	11728	0.0507	Target=1.85	101	763	
713.10 > 219.00	8.749	8.749	0.0	0.999	4999		2.35(0.93-2.78)	101	335	
72 PFDoS										
699.10 > 79.90	8.944	8.944	0.0	1.200	83340	0.0484	Target=4.41	99.9	2044	
699.10 > 98.80	8.944	8.944	0.0	1.200	18136		4.60(2.20-6.61)	99.9	1362	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.001	9.001	0.0	1.208	773203	4.85		97.0	5114	
74 N-MeFOSE-M										M
616.10 > 58.90	9.019	9.019	0.0	1.002	48094	0.2687		107	8142	M
D 75 d3-NMePFOSA										
515.00 > 219.00	9.102	9.102	0.0	1.222	600371	1.93		96.6	35933	
76 NMeFOSA										
511.90 > 219.00	9.102	9.102	0.0	1.000	20311	0.0512	Target=0.56	102	90.6	
511.90 > 169.00	9.102	9.102	0.0	1.000	33626		0.60(0.28-0.84)	102	69.1	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.214	9.214	0.0	1.237	985751	4.95		98.9	3727	
78 N-EtFOSE-M										
630.00 > 58.90	9.239	9.239	0.0	1.003	59775	0.2584		103	5944	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.302	9.302	0.0	1.248	693216	1.99		99.7	32446	
80 N-EtFOSA-M										
526.00 > 219.00	9.315	9.315	0.0	1.001	19581	0.0467	Target=0.74	93.5	97.3	
526.00 > 169.00	9.315	9.315	0.0	1.001	26984		0.73(0.37-1.12)	93.5	74.6	
81 Perfluorooctadecanoic acid										
913.00 > 869.00	9.645	9.645	0.0	1.101	103021	0.0491	Target=7.28	98.2	7695	
913.00 > 169.00	9.635	9.645	-0.011	1.100	13774		7.48(3.64-10.91)	98.2	1030	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_CAL1_00036 Amount Added: 1.00 Units: mL

Report Date: 27-Feb-2025 19:04:37 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-01.d

Injection Date: 27-Feb-2025 15:11:03 Instrument ID: 29347

Lims ID: IC CAL 1

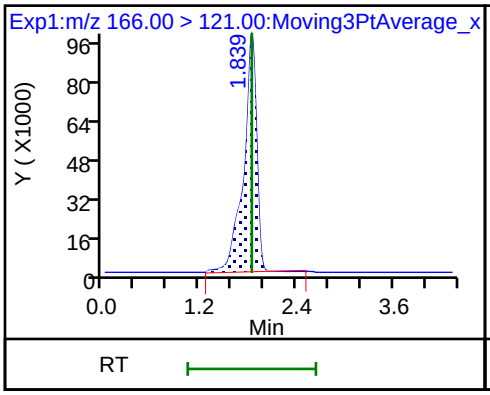
Client ID:

Operator ID: US19_USR_INS00012E ALS Bottle#: 20002 Worklist Smp#: 1

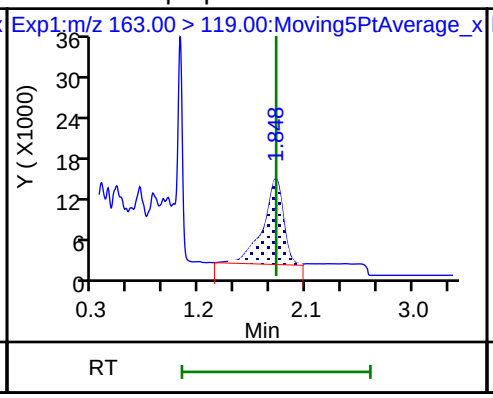
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 29347_1633Final Limit Group: LC - 1633 LVI- ICAL

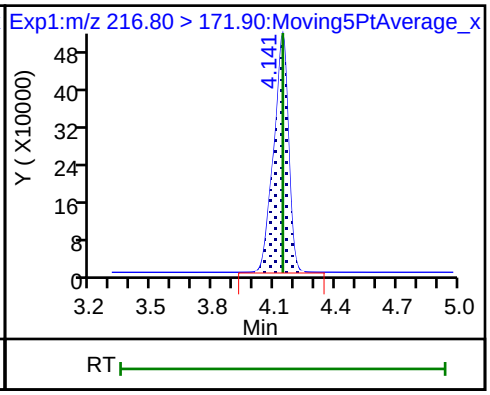
D 1 13C3PFPrA



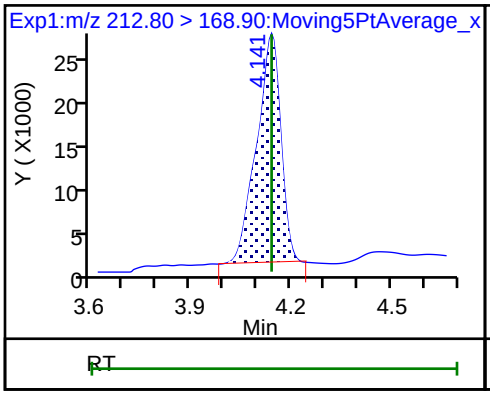
2 Perfluoropropionic acid



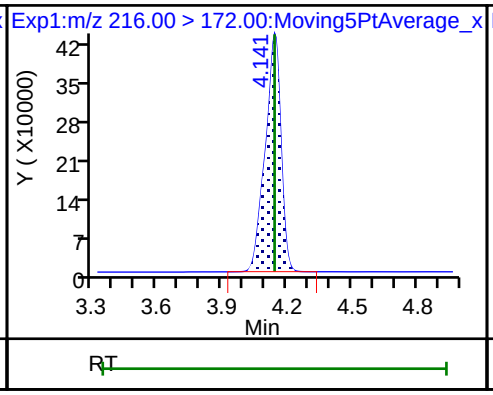
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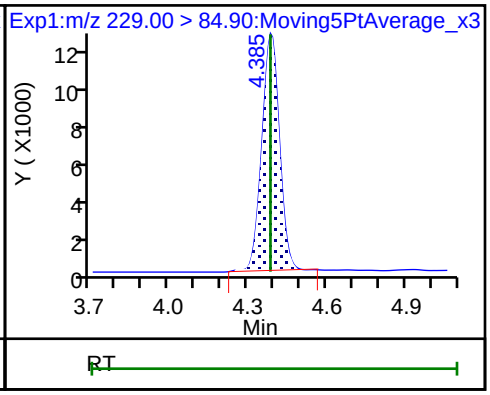
3 PFBA



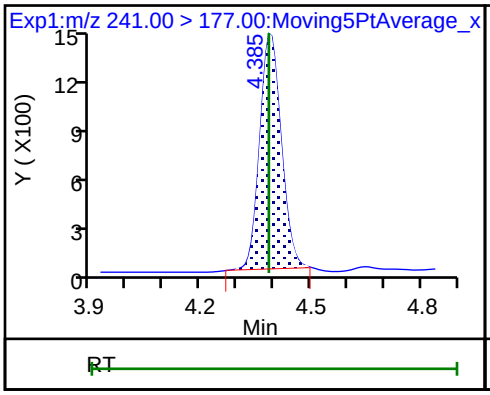
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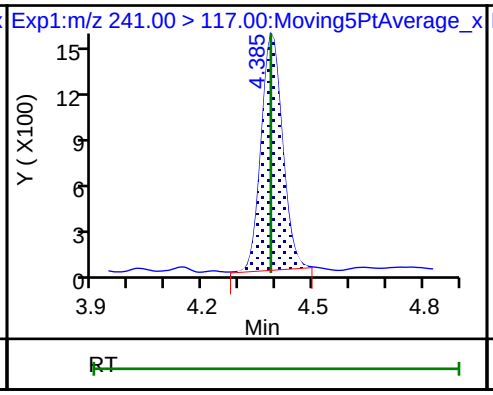
7 PFMPA



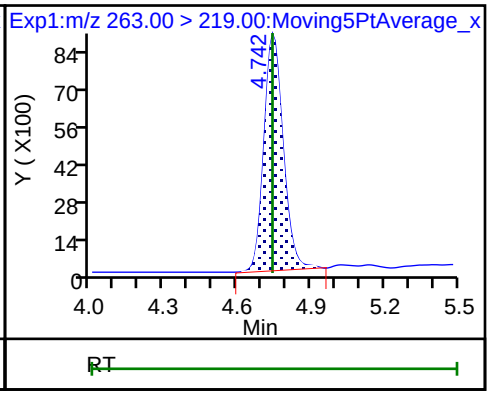
6 3:3 FTCA



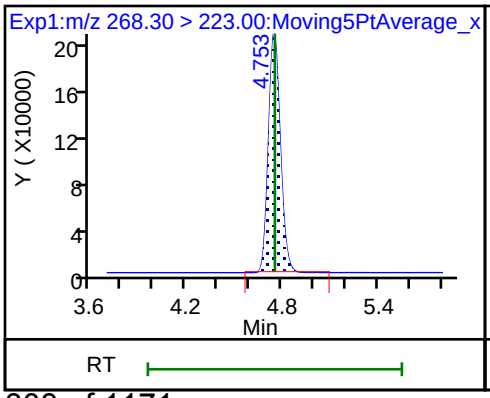
6 3:3 FTCA



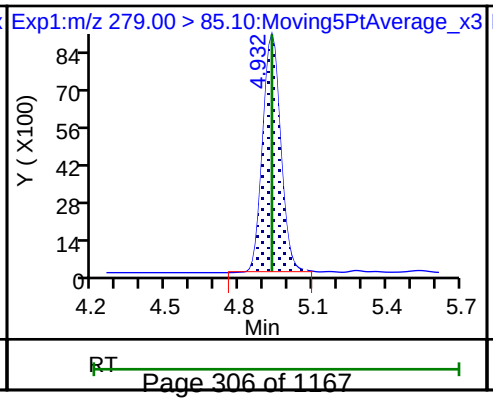
8 PFPA



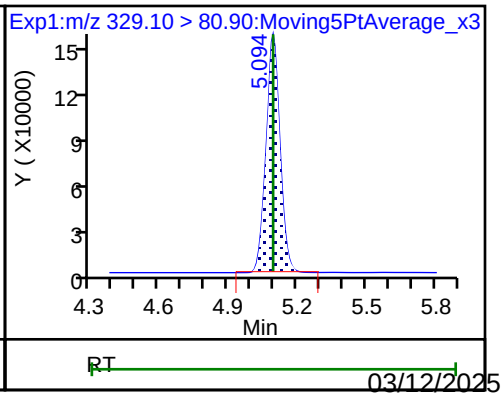
D 9 13C5 PFPeA



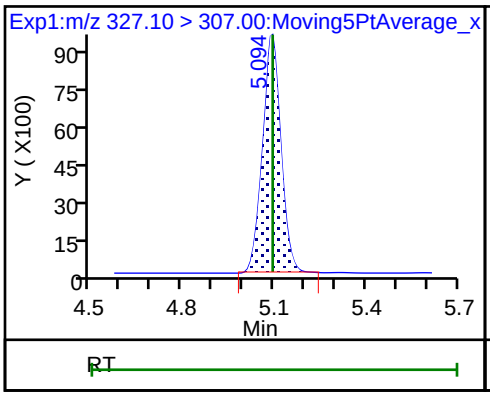
10 PFMBA



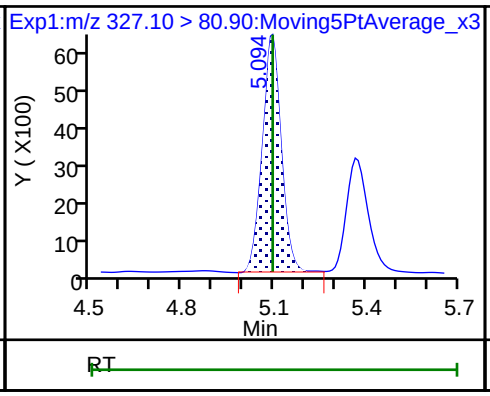
D 13 13C2-4:2FTS



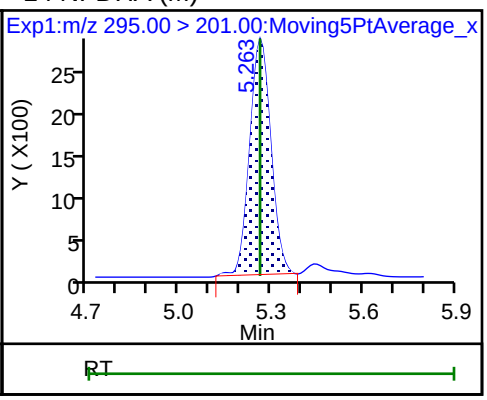
11 4:2FTS



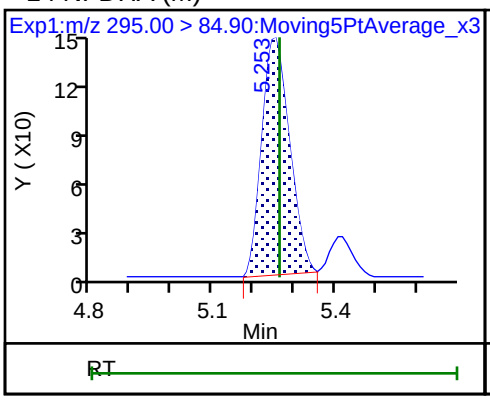
11 4:2FTS



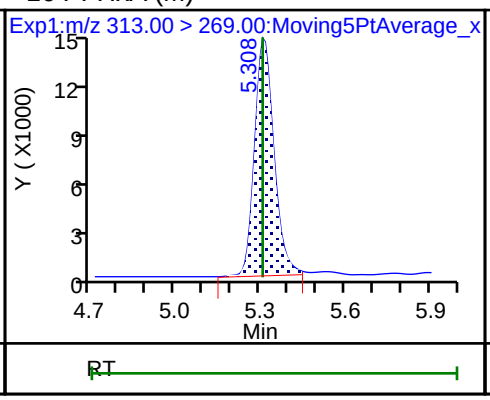
14 NFDHA (M)



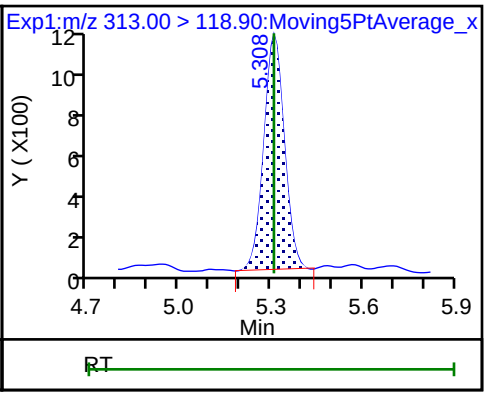
14 NFDHA (M)



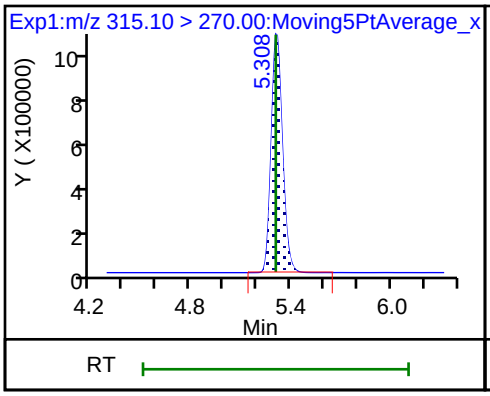
16 PFHxA (M)



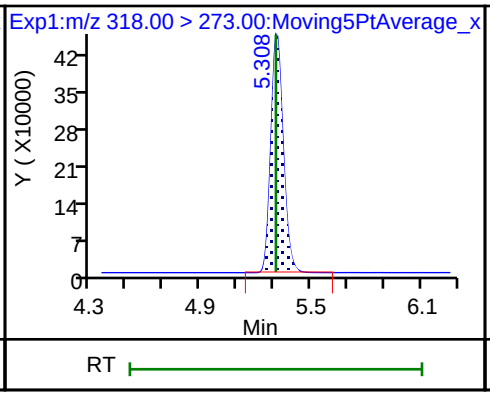
16 PFHxA



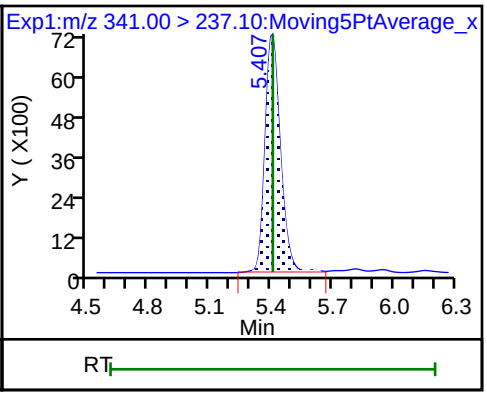
* 15 13C2 PFHxA



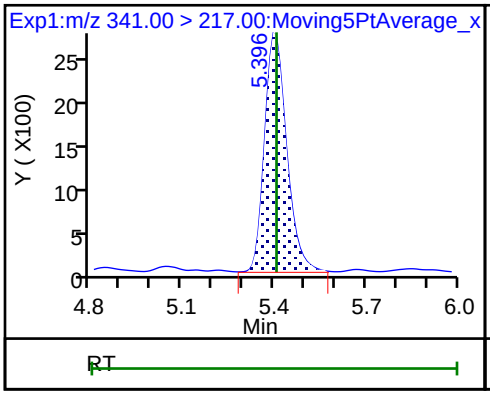
D 17 13C5 PFHxA



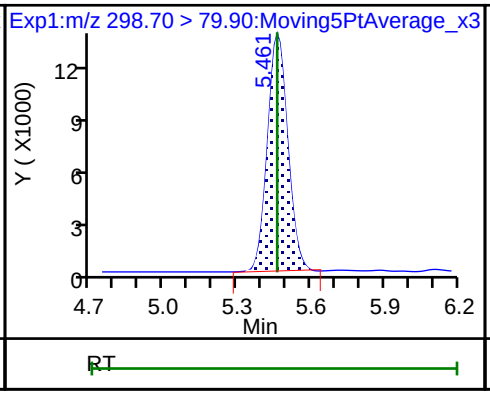
18 5:3 FTCA



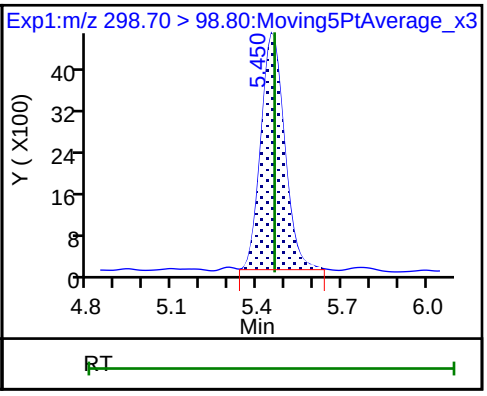
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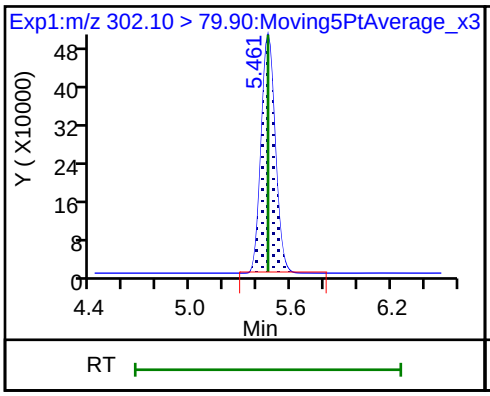
19 PFBS



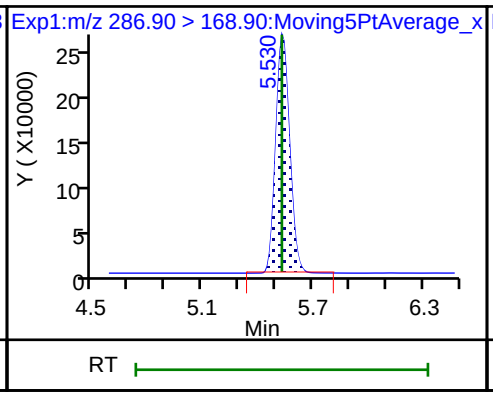
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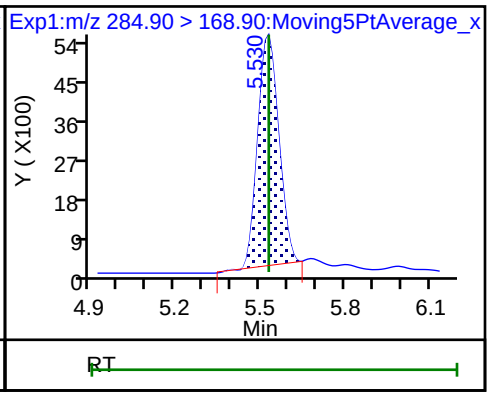
D 20 13C3 PFBS



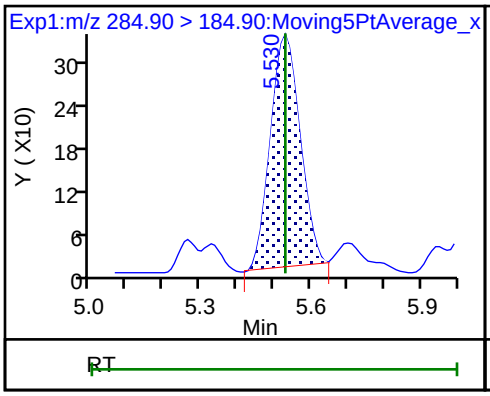
D 22 13C3 HFPO-DA



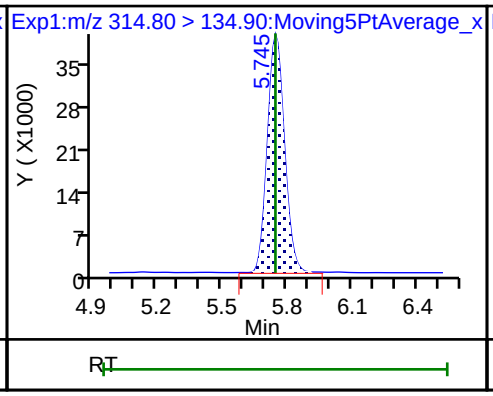
21 HFPO-DA



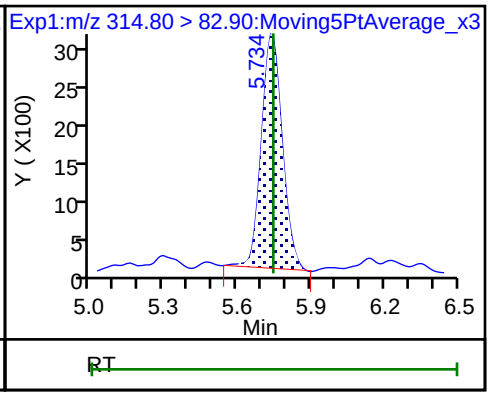
21 HFPO-DA



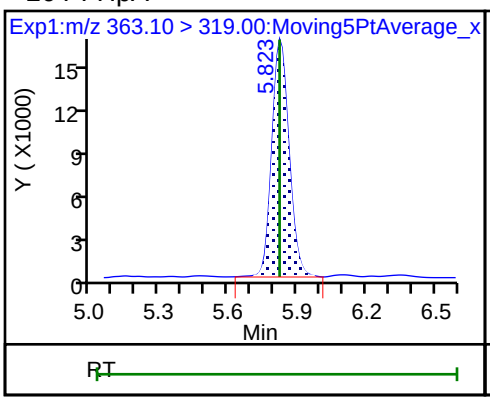
24 PFEESA



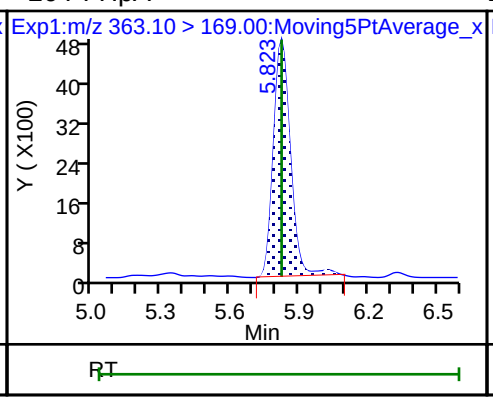
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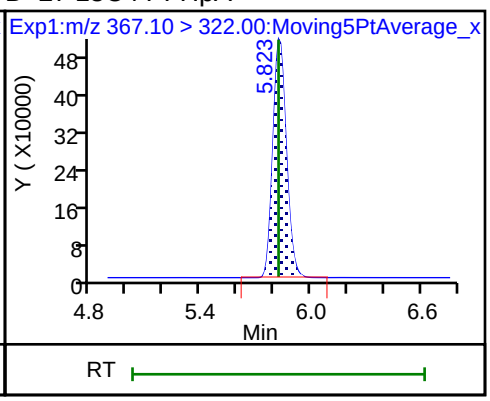
26 PFHpA



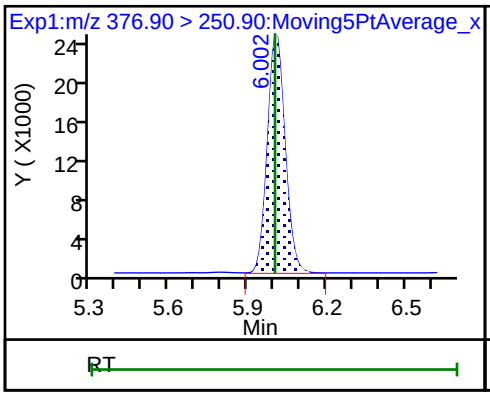
26 PFHpA



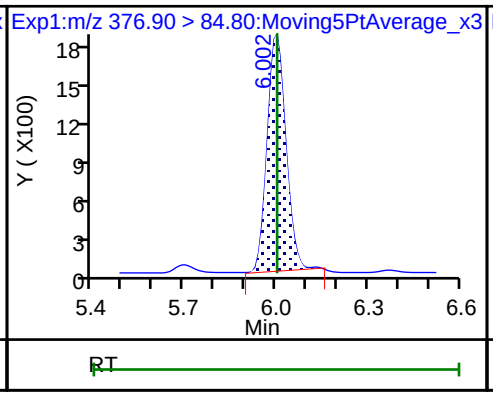
D 27 13C4 PFHpA



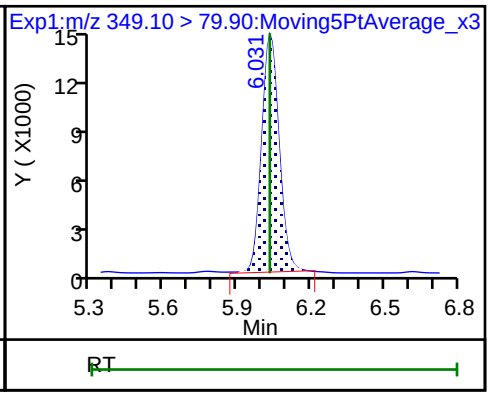
28 ADONA



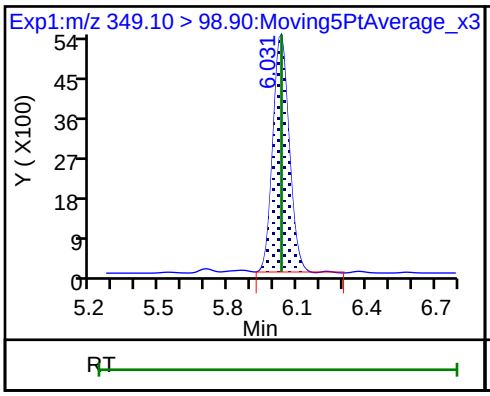
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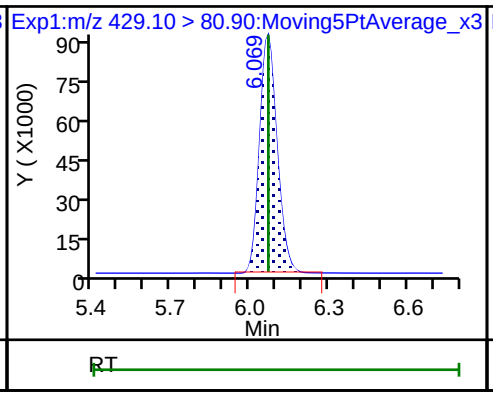
29 PFPeS



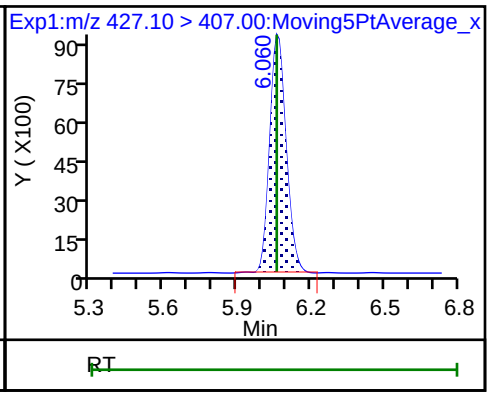
29 PFPeS



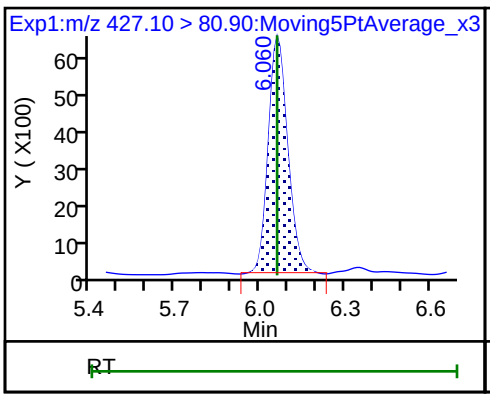
D 31 13C2-6:2FTS



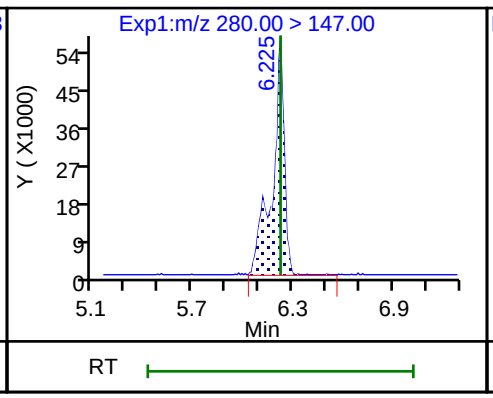
30 6:2FTS



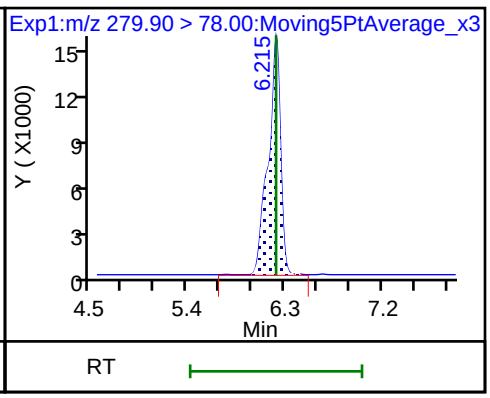
30 6:2FTS



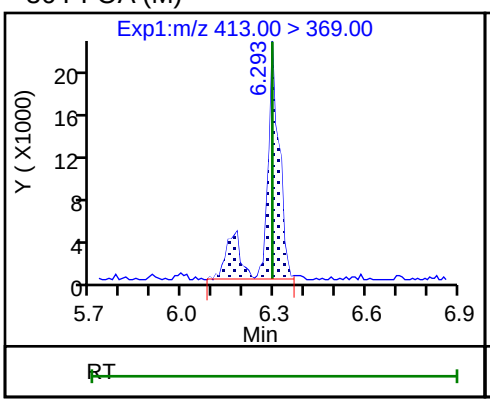
32 BTS



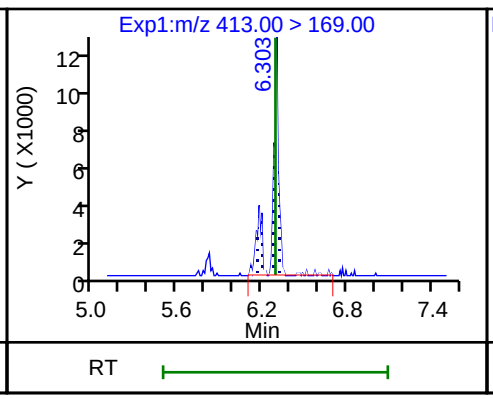
33 FBSA



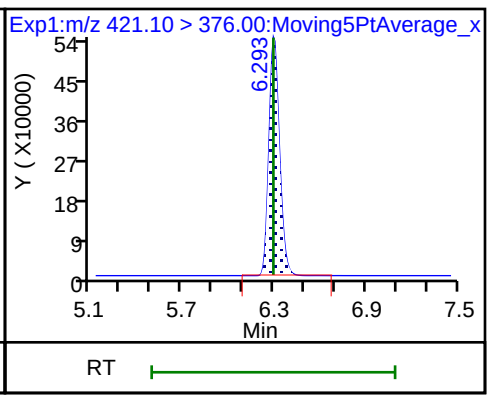
36 PFOA (M)



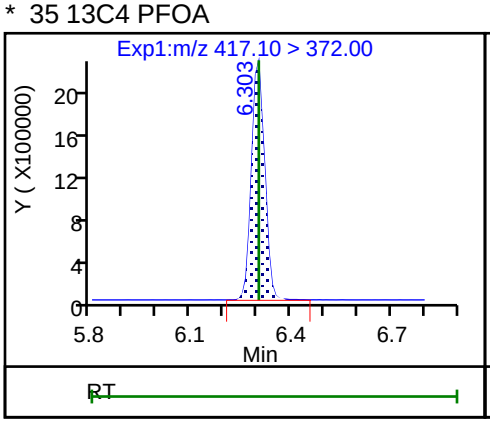
36 PFOA



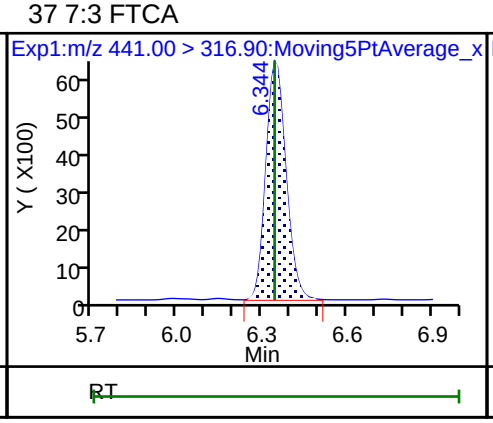
D 34 13C8 PFOA



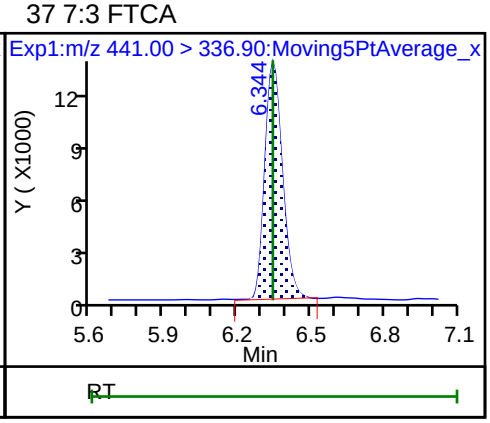
* 35 13C4 PFOA



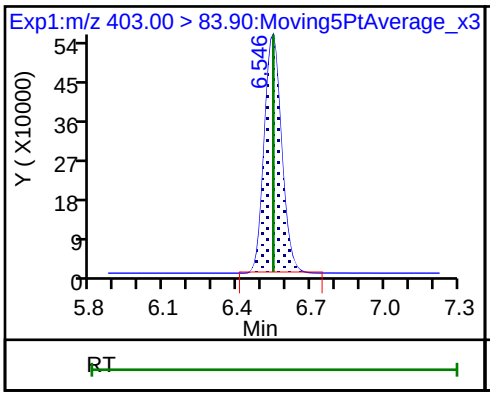
37 7:3 FTCA



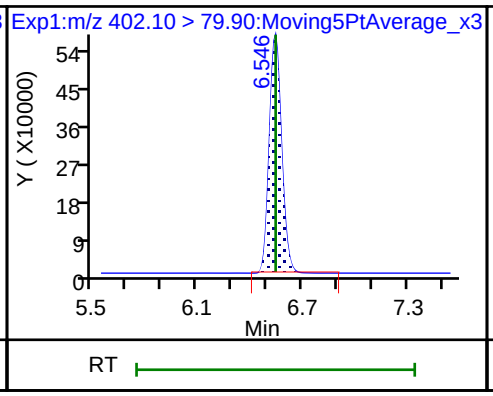
37 7:3 FTCA



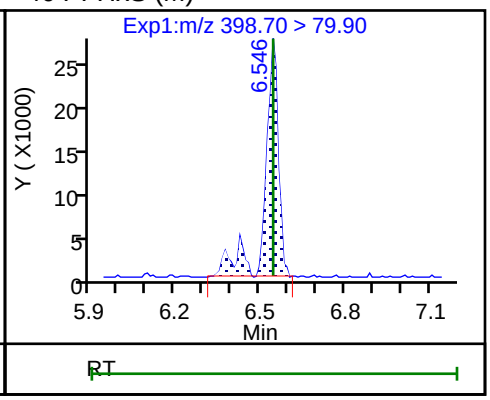
* 38 18O2 PFHxS



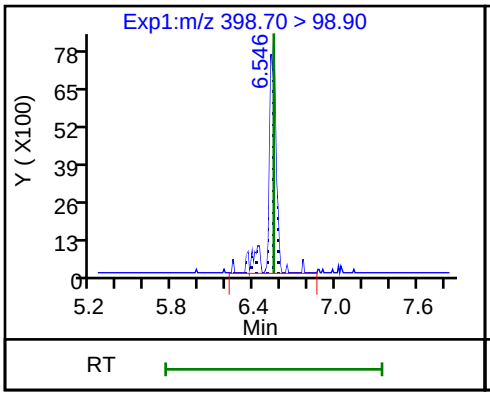
D 39 13C3 PFHxS



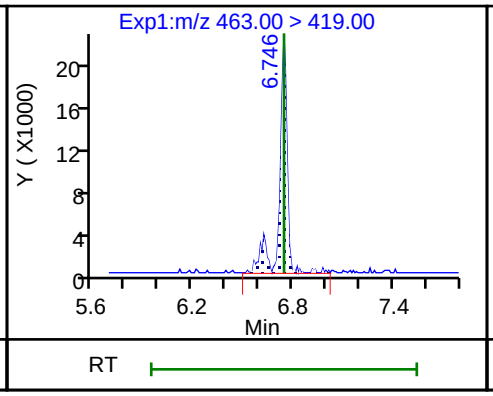
40 PFHxS (M)



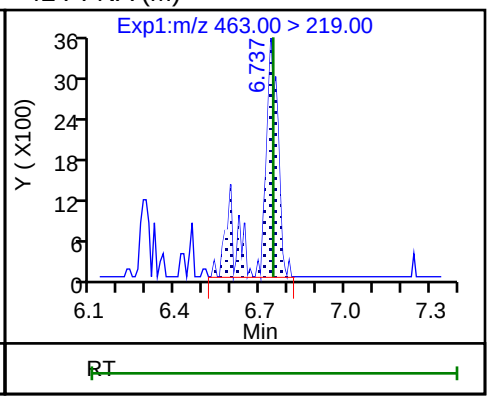
40 PFHxS



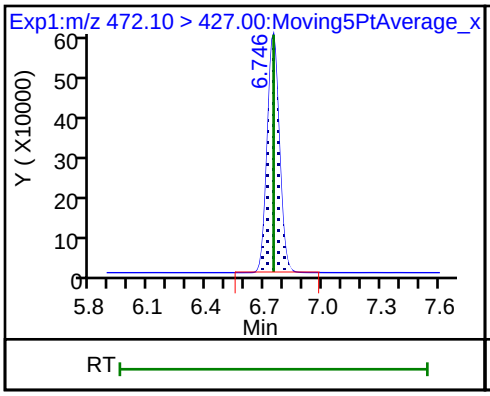
42 PFNA



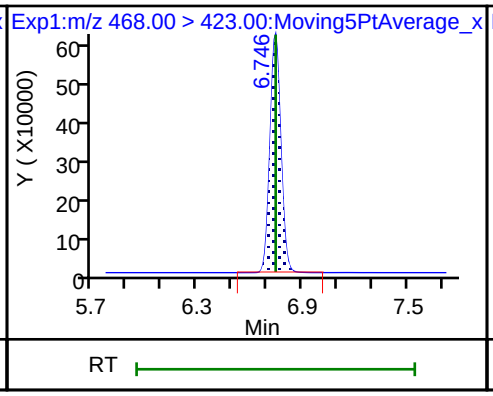
42 PFNA (M)



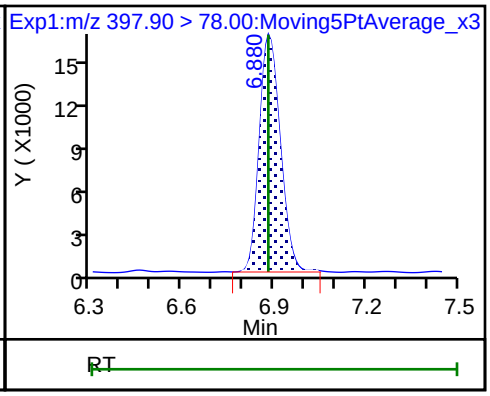
D 41 13C9 PFNA



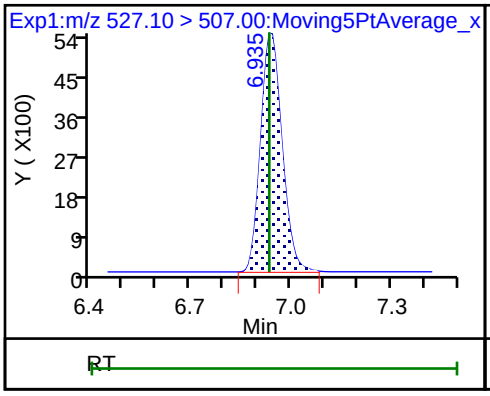
* 43 13C5 PFNA



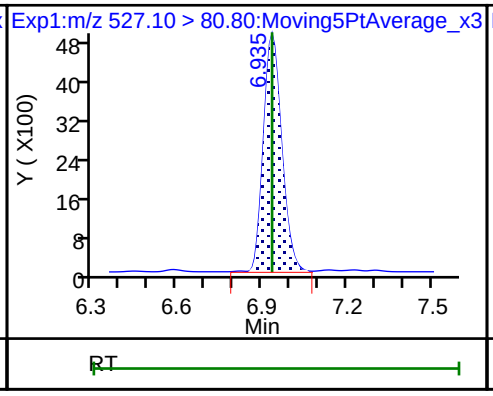
48 FHxSA



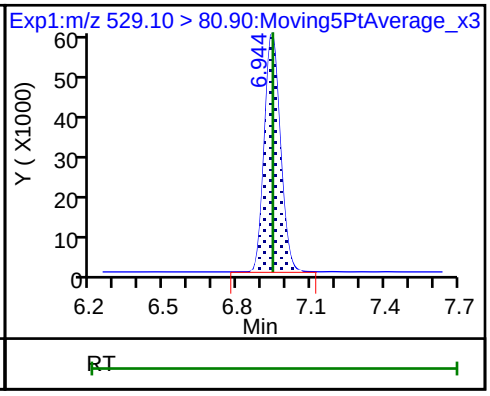
44 8:2FTS



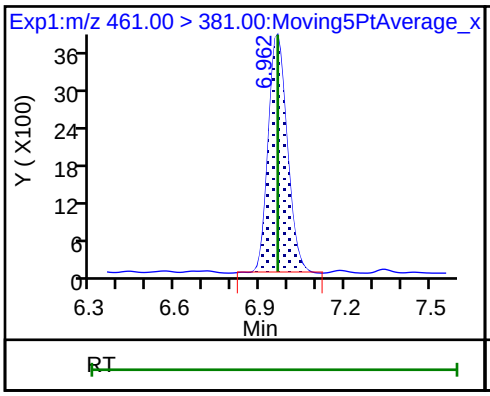
44 8:2FTS



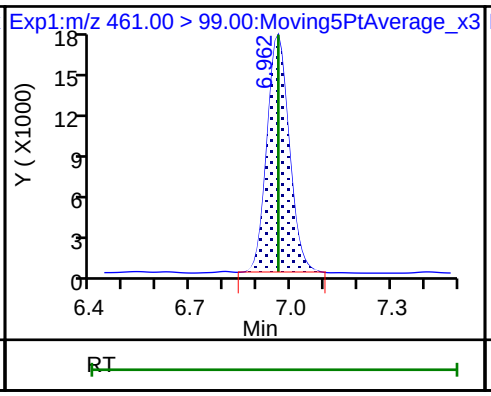
D 45 13C2-8:2FTS



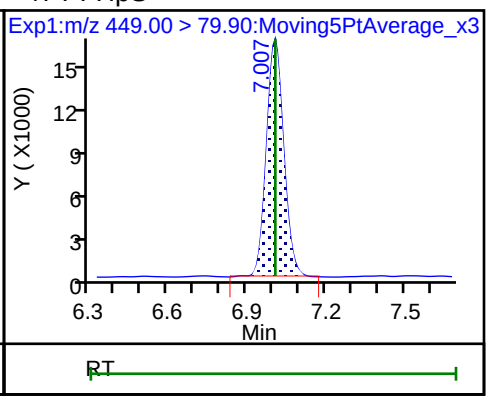
46 PFECHS



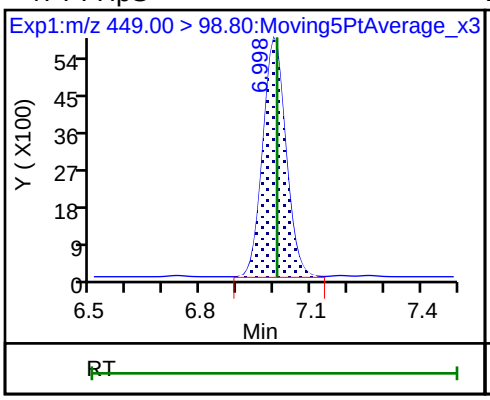
46 PFECHS



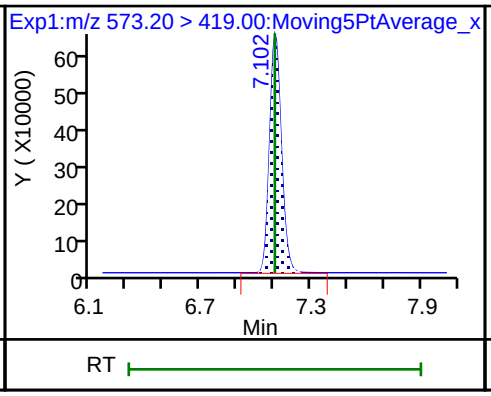
47 PFHpS



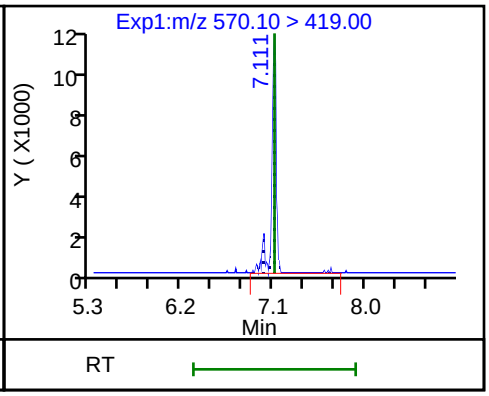
47 PFHpS



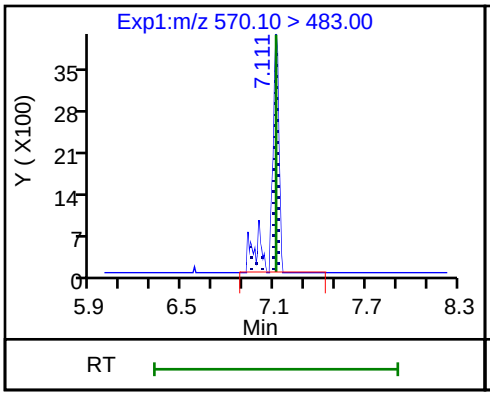
D 50 d3-NMeFOSAA



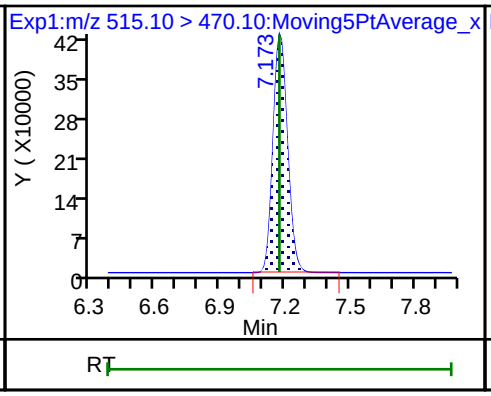
49 NMeFOSAA



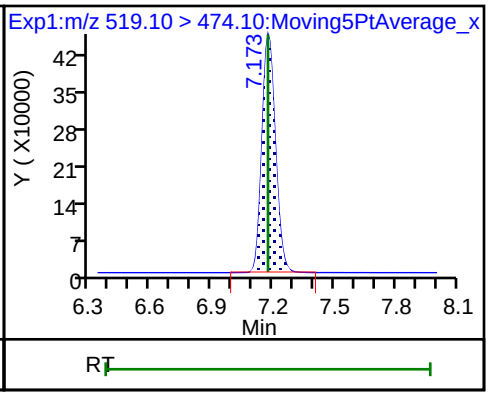
49 NMeFOSAA



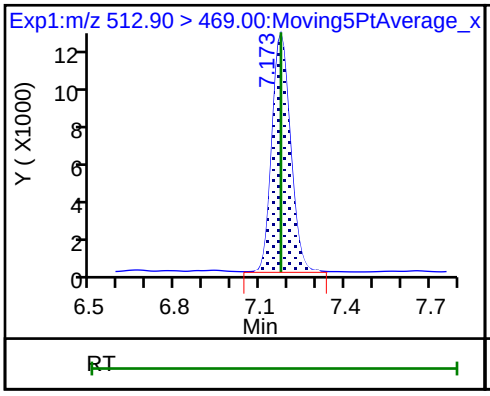
* 52 13C2 PFDA



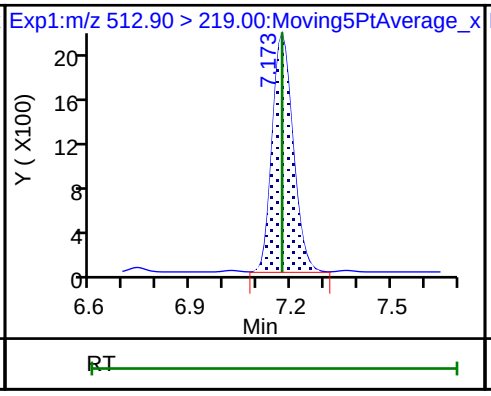
D 53 13C6 PFDA



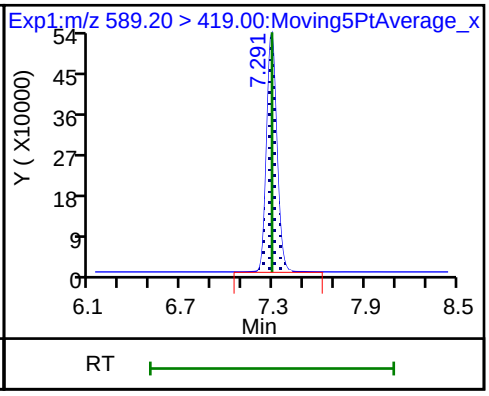
51 PFDA



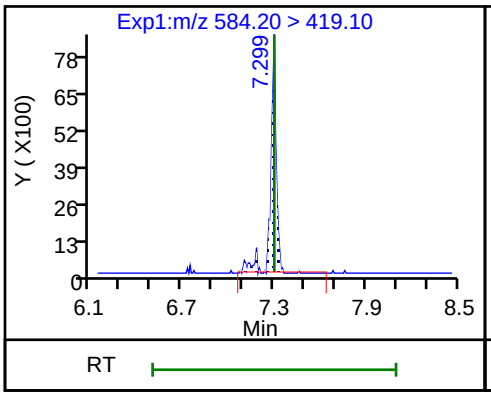
51 PFDA



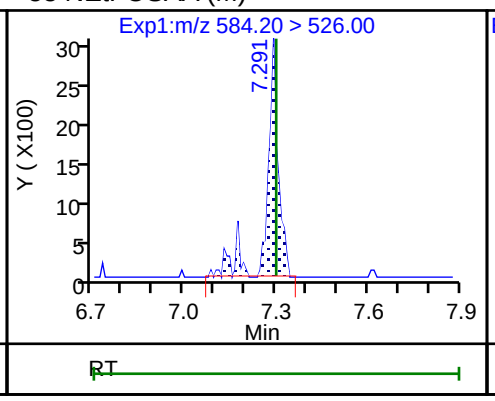
D 54 d5-NEtFOSAA



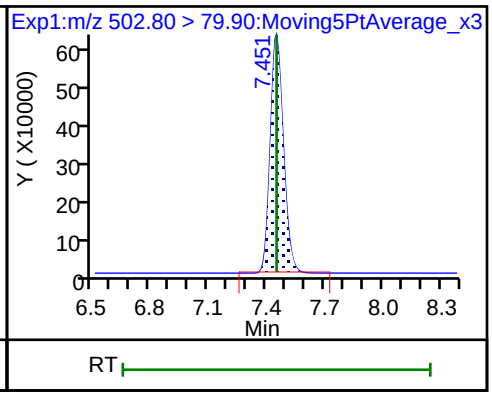
55 NEtFOSAA



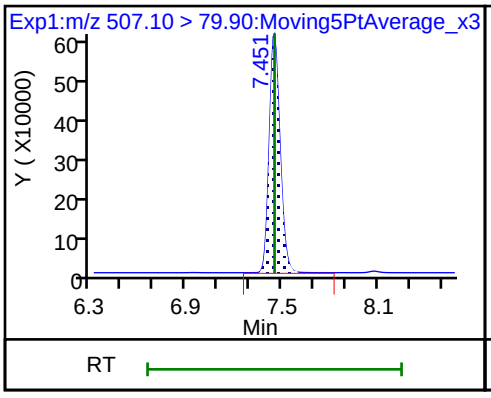
55 NEtFOSAA (M)



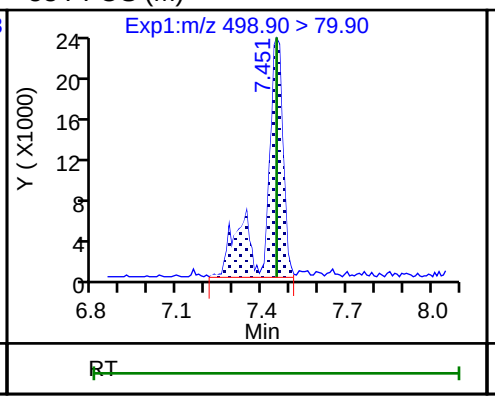
* 57 13C4 PFOS



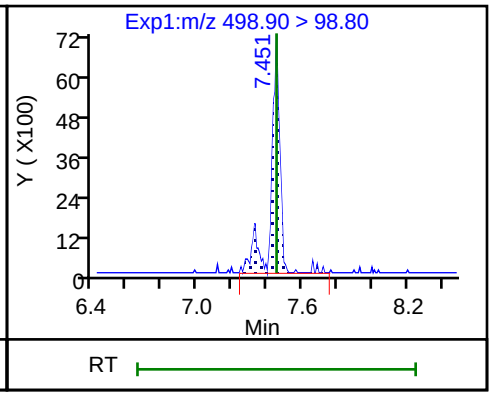
D 56 13C8 PFOS



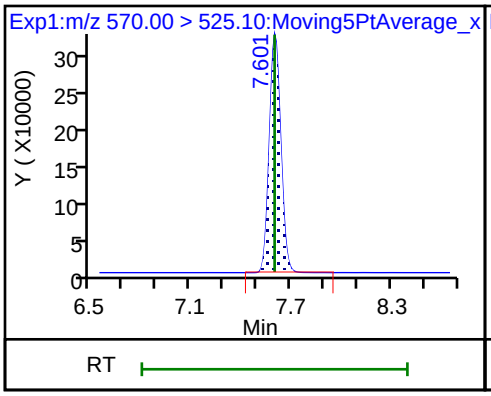
58 PFOS (M)



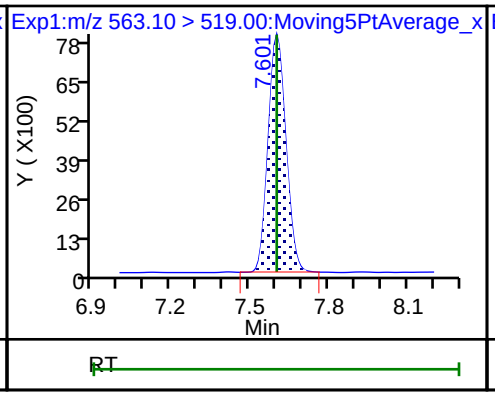
58 PFOS



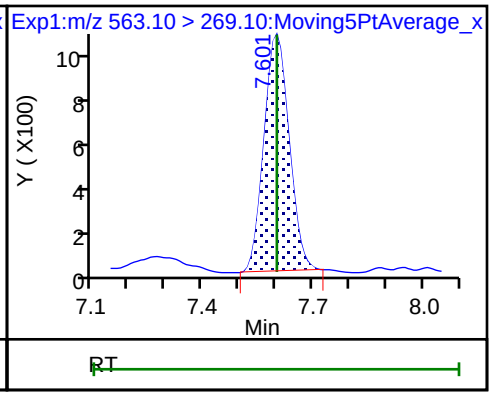
D 60 13C7 PFUnA



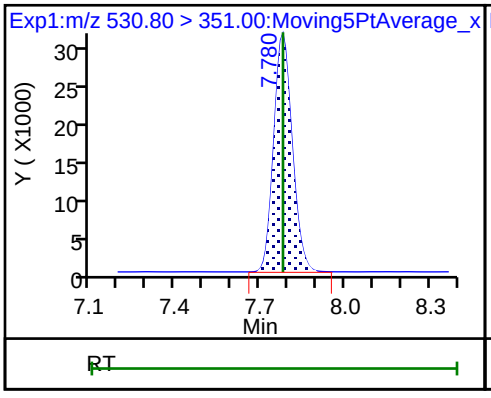
59 PFUnA



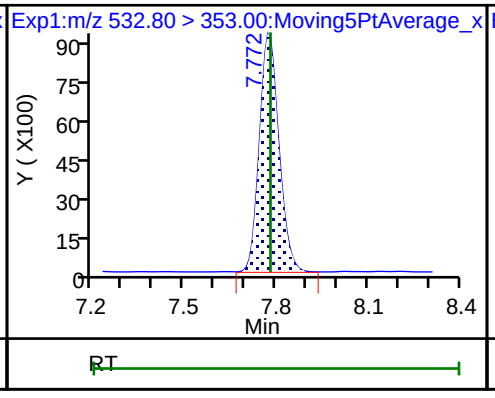
59 PFUnA



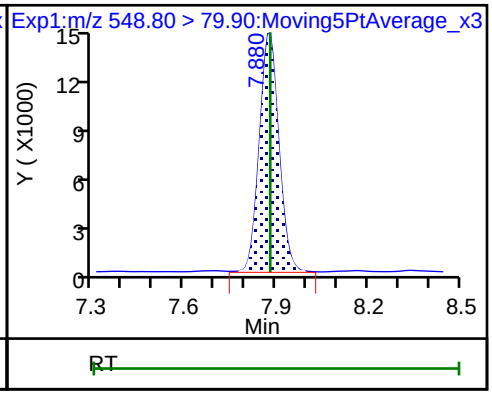
61 9ClFOS



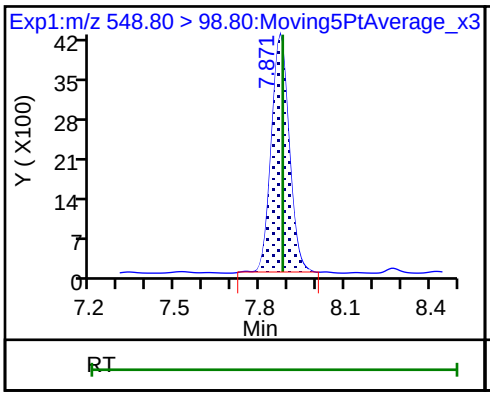
61 9ClFOS



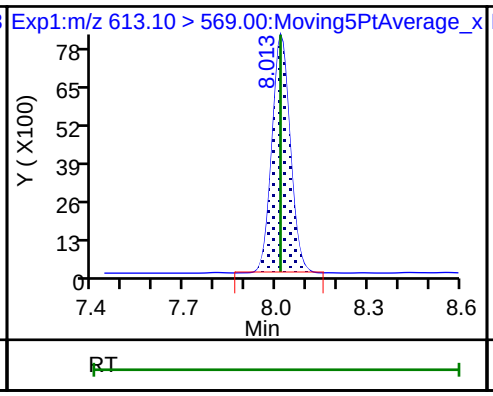
62 PFNS



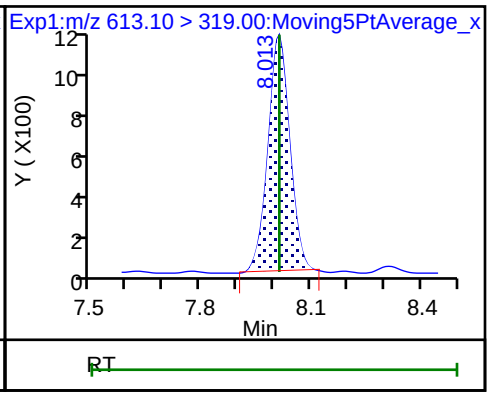
62 PFNS



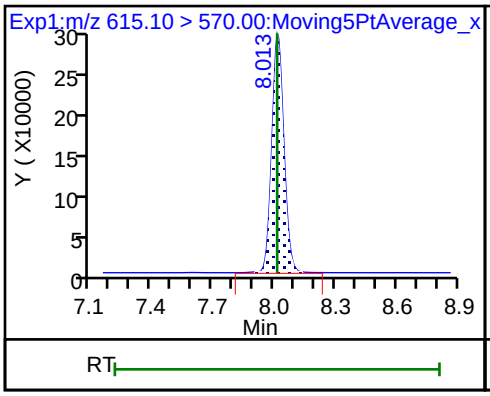
63 PFDoA



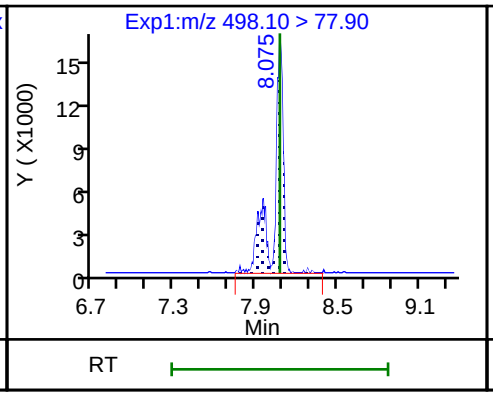
63 PFDoA



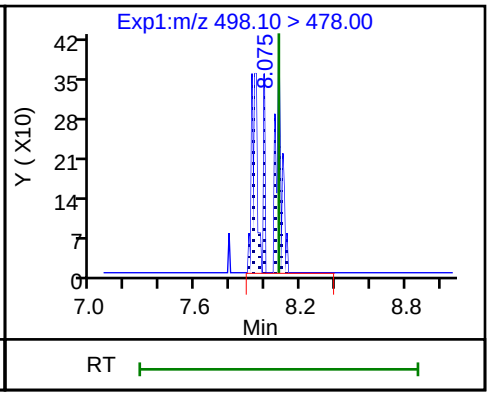
D 64 PFDoA



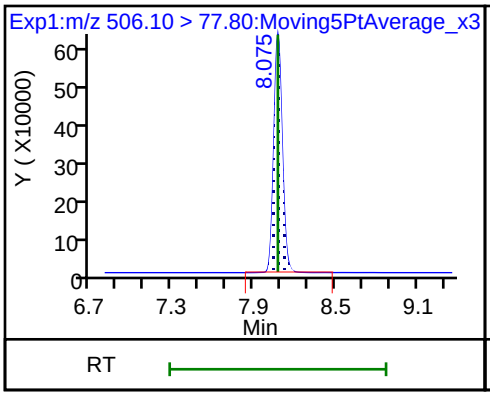
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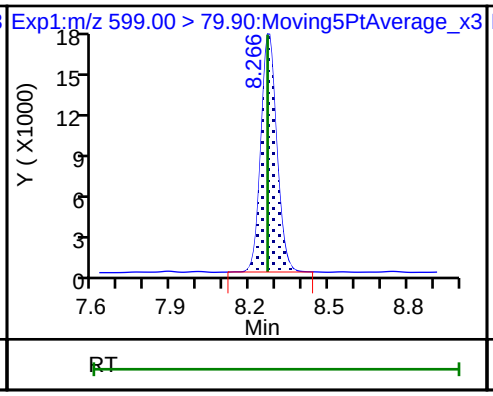
65 PFOSA



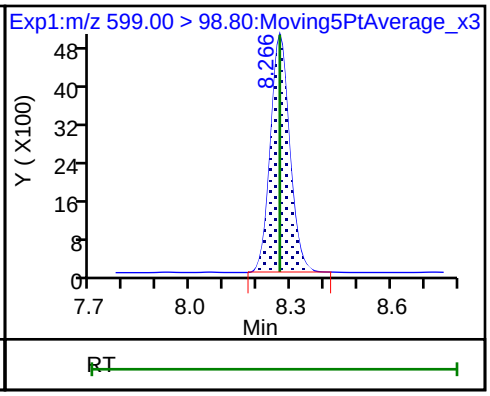
D 66 13C8 FOSA



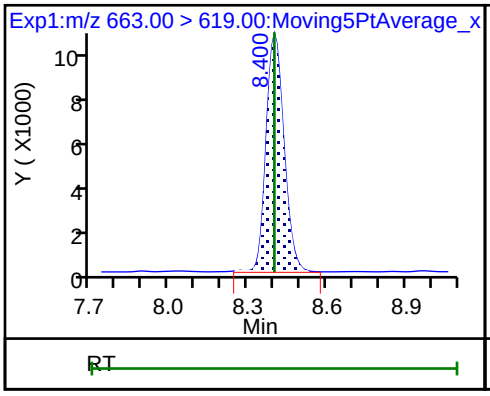
67 PFDS



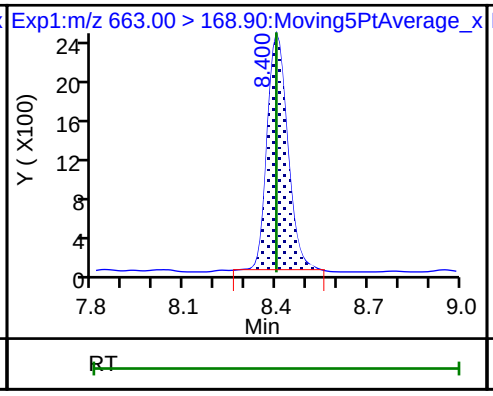
67 PFDS



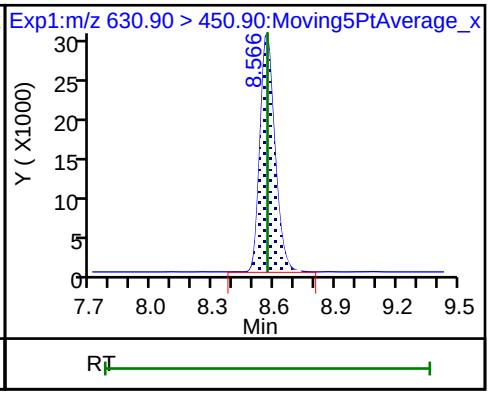
68 PFTrDA



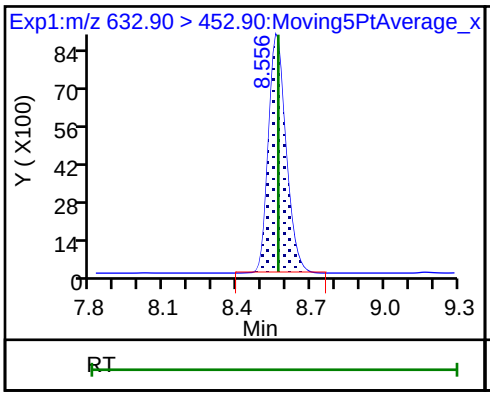
68 PFTrDA



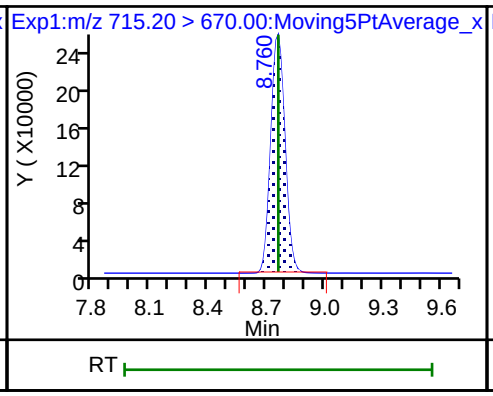
69 11ClFOS



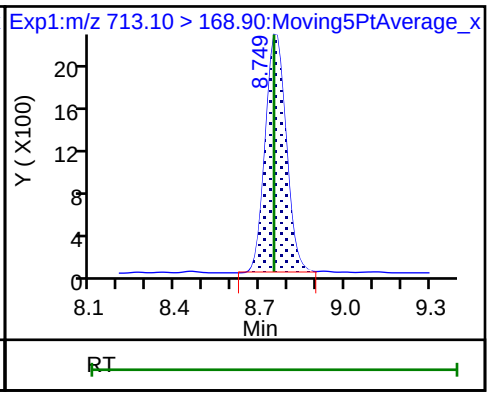
69 11ClFOS



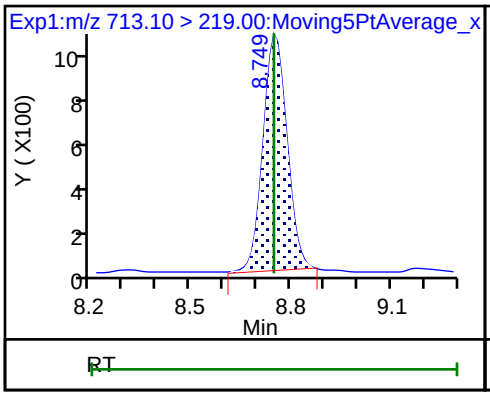
D 71 13C2 PFTeDA



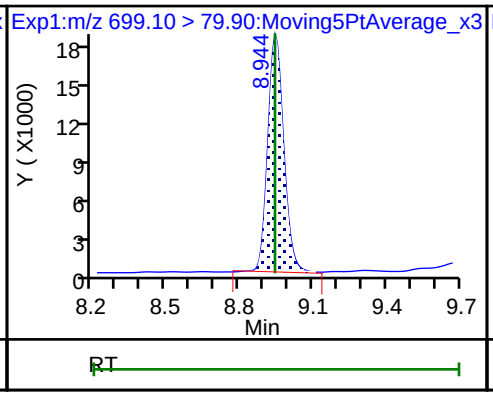
70 PFTeDA



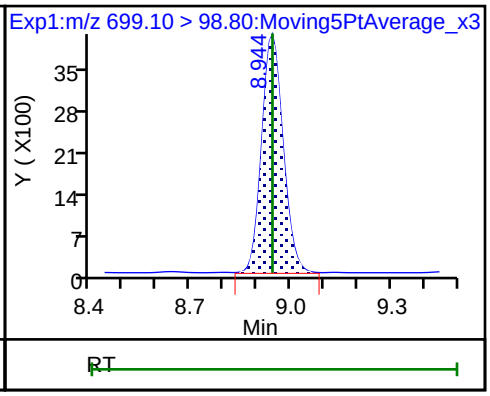
70 PFTeDA



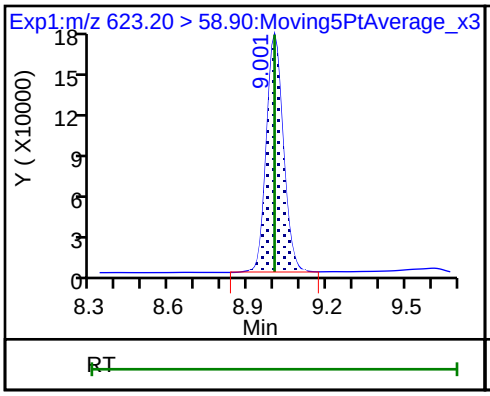
72 PFDoS



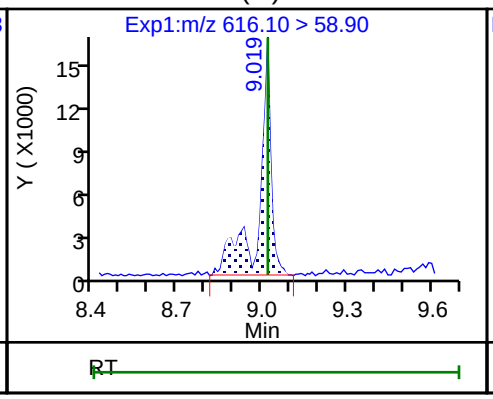
72 PFDoS



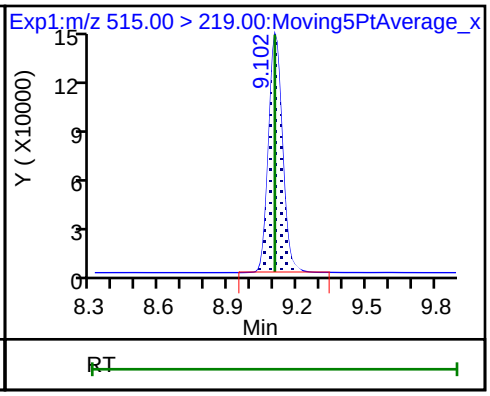
D 73 d7-N-Me-FOSE



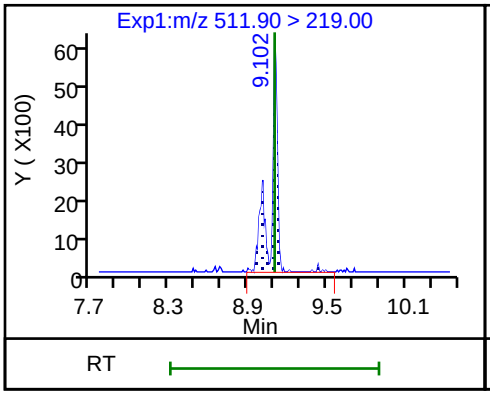
74 N-MeFOSE-M (M)



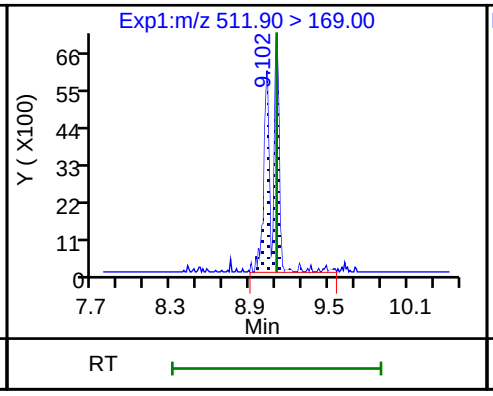
D 75 d3-NMePFOSA



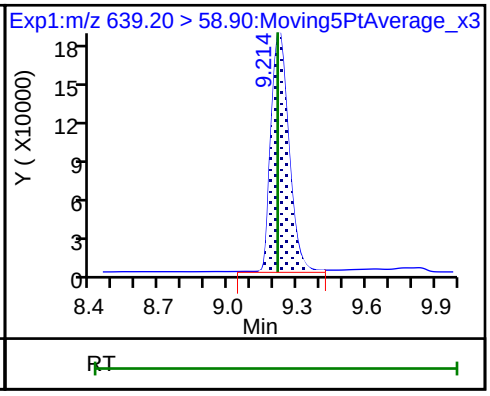
76 NMeFOSA



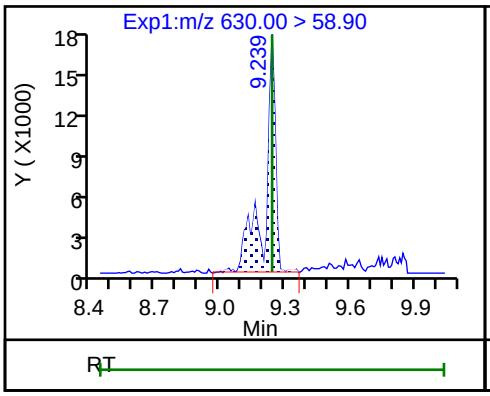
76 NMeFOSA



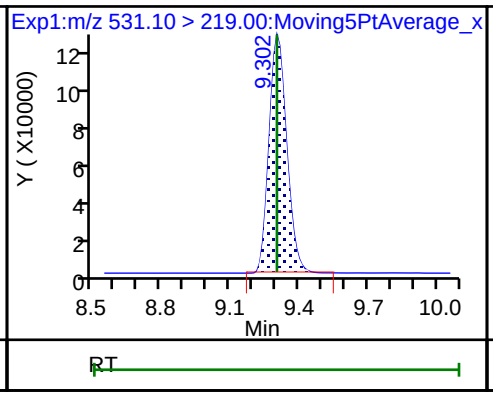
D 77 d9-N-EtFOSE



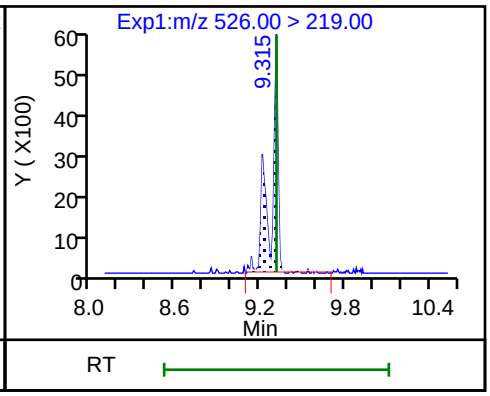
78 N-EtFOSE-M



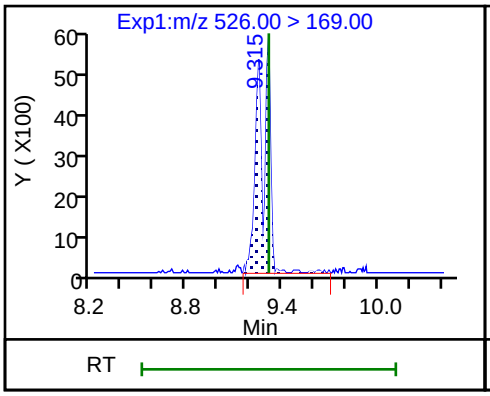
D 79 d5-NEtPFOSA



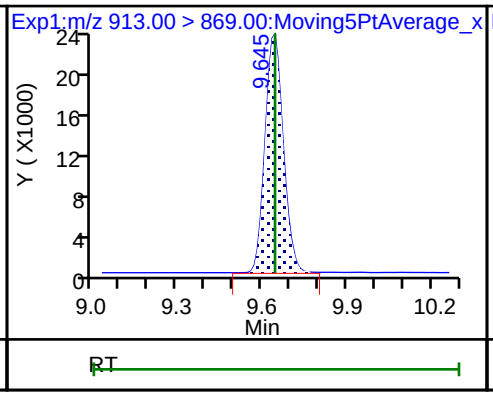
80 N-EtFOSA-M



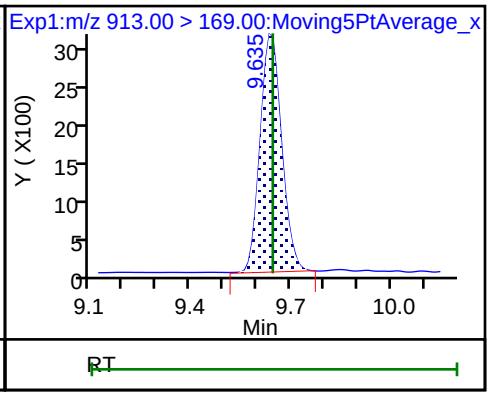
80 N-EtFOSA-M



81 Perfluorooctadecanoic acid



81 Perfluorooctadecanoic acid



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-02.d
Lims ID: IC CAL 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 27-Feb-2025 15:25:08 ALS Bottle#: 20003 Worklist Smp#: 2
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: IC CAL 2
Misc. Info.: Plate: 1 Rack: 1 410-0139404-002
Operator ID: US19_USR_INS00012E Instrument ID: 29347
Sublist: chrom-29347_1633Final*sub1

Method: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\29347_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 27-Feb-2025 19:04:49 Calib Date: 27-Feb-2025 16:49:35
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1602

First Level Reviewer: LDU5 Date: 27-Feb-2025 17:39:09
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C3PFPrA										
166.00 > 121.00	1.849	1.839	0.010	0.445	1025914	1.91		95.6	284	
2 Perfluoropropionic acid										
163.00 > 119.00	1.857	1.848	0.009	1.005	355912	0.6612		106	4.3	
D 4 13C4-PFBA										
216.80 > 171.90	4.153	4.141	0.012	1.000	2532696	2.01		100	60646	
3 PFBA										
212.80 > 168.90	4.153	4.141	0.012	1.000	318892	0.2592		104	1007	
* 5 13C3PFBA										
216.00 > 172.00	4.153	4.141	0.012		2198936	2.00			637	
7 PFMPA										
229.00 > 84.90	4.398	4.385	0.013	0.926	137169	0.1292		103	5440	
6 3:3 FTCA										
241.00 > 177.00	4.398	4.385	0.013	0.926	17384	0.2743	Target=1.12	110	1409	
241.00 > 117.00	4.390	4.385	0.005	0.924	15704		1.11(0.56-1.67)	110	223	
8 PFPA										
263.00 > 219.00	4.750	4.742	0.008	1.000	112872	0.1306		104	2026	
D 9 13C5 PFPeA										
268.30 > 223.00	4.750	4.753	-0.003	0.894	1021213	1.99		99.6	47658	
10 PFMBA										
279.00 > 85.10	4.940	4.932	0.008	1.040	122222	0.1338		107	5834	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.099	5.094	0.005	0.780	618438	4.76		102	36397	
11 4:2FTS										
327.10 > 307.00	5.092	5.094	-0.002	0.999	108254	0.2422	Target=1.53	104	8377	
327.10 > 80.90	5.092	5.094	-0.002	0.999	77343		1.40(0.76-2.29)	104	1499	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.260	5.263	-0.003	0.990	37761	0.1416	Target=17.76	113	1962	
295.00 > 84.90	5.260	5.263	-0.003	0.990	2216		17.04(8.88-26.65)	113	149	
16 PFHxA										
313.00 > 269.00	5.315	5.308	0.007	1.000	149014	0.1323	Target=12.95	106	2854	
313.00 > 118.90	5.315	5.308	0.007	1.000	10825		13.77(6.47-19.42)	106	751	
* 15 13C2 PFHxA										
315.10 > 270.00	5.315	5.308	0.007		4961224	5.00			149771	
D 17 13C5 PFHxA										
318.00 > 273.00	5.315	5.308	0.007	1.000	2093965	1.95		97.7	109417	
18 5:3 FTCA										
341.00 > 237.10	5.403	5.407	-0.004	1.017	97839	0.6977	Target=2.90	112	4891	
341.00 > 217.00	5.403	5.407	-0.004	1.017	31038		3.15(1.45-4.35)	112	1549	
19 PFBS										
298.70 > 79.90	5.458	5.461	-0.003	0.998	210984	0.1194	Target=3.01	108	11126	
298.70 > 98.80	5.458	5.461	-0.003	0.998	68890		3.06(1.51-4.52)	108	2840	
D 20 13C3 PFBS										
302.10 > 79.90	5.469	5.461	0.008	0.837	3015581	1.91		103	97930	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.538	5.530	0.008	1.042	1378641	2.00		99.9	64482	
21 HFPO-DA										
284.90 > 168.90	5.538	5.530	0.008	1.000	84328	0.1067	Target=15.29	114	2262	
284.90 > 184.90	5.538	5.530	0.008	1.000	5395		15.63(7.65-22.94)	114	333	
24 PFEESA										
314.80 > 134.90	5.754	5.745	0.009	1.083	574951	0.1252	Target=13.00	112	33164	
314.80 > 82.90	5.743	5.745	-0.002	1.081	43009		13.37(6.50-19.50)	112	1230	
26 PFHpA										
363.10 > 319.00	5.820	5.823	-0.003	0.998	191233	0.1262	Target=3.19	101	5292	
363.10 > 169.00	5.820	5.823	-0.003	0.998	59556		3.21(1.60-4.79)	101	3928	
D 27 13C4 PFHpA										
367.10 > 322.00	5.831	5.823	0.008	1.097	2685433	2.05		102	172633	
28 ADONA										
376.90 > 250.90	6.010	6.002	0.008	1.085	294486	0.1287	Target=14.18	109	20744	
376.90 > 84.80	6.000	6.002	-0.002	1.084	22047		13.36(7.09-21.26)	109	1542	
29 PFPeS										
349.10 > 79.90	6.038	6.031	0.007	0.923	195878	0.1333	Target=2.90	113	9641	
349.10 > 98.90	6.029	6.031	-0.002	0.921	61960		3.16(1.45-4.36)	113	4115	
30 6:2FTS										
427.10 > 407.00	6.067	6.060	0.007	1.000	112042	0.2585	Target=1.45	109	7937	
427.10 > 80.90	6.067	6.060	0.007	1.000	70709		1.58(0.72-2.17)	109	3751	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.067	6.069	-0.002	0.928	439152	4.87		102	31264	
33 FBSA										
279.90 > 78.00	6.223	6.215	0.008	1.138	286572	0.1235		98.8	12109	
32 BTS										
280.00 > 147.00	6.223	6.225	-0.002	0.951	683757	0.1327		108	582	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
36 PFOA										M
413.00 > 369.00	6.291	6.293	-0.002	1.000	170261	0.1377	Target=2.12	110	16150	
413.00 > 169.00	6.301	6.293	0.008	1.002	74248		2.29(1.06-3.17)	110	5853	M
D 34 13C8 PFOA										
421.10 > 376.00	6.291	6.293	-0.002	0.998	2528701	2.00		100	129938	
* 35 13C4 PFOA										
417.10 > 372.00	6.301	6.303	-0.002		6226478	5.00			459919	
37 7:3 FTCA										
441.00 > 316.90	6.341	6.344	-0.003	1.193	76011	0.6516	Target=0.48	104	5200	
441.00 > 336.90	6.341	6.344	-0.003	1.193	157646		0.48(0.24-0.71)	104	10739	
* 38 18O2 PFHxS										
403.00 > 83.90	6.534	6.546	-0.012		2755884	1.89			184877	
D 39 13C3 PFHxS										
402.10 > 79.90	6.544	6.546	-0.002	1.001	2667921	1.87		98.5	135218	
40 PFHxS										
398.70 > 79.90	6.544	6.546	-0.002	1.000	192116	0.1184	Target=2.92	104	51373	
398.70 > 98.90	6.534	6.546	-0.012	0.999	67871		2.83(1.46-4.39)	104	102	
D 41 13C9 PFNA										
472.10 > 427.00	6.743	6.746	-0.003	1.000	2665619	2.03		101	151998	
* 43 13C5 PFNA										
468.00 > 423.00	6.743	6.746	-0.003		2690061	2.00			205764	
42 PFNA										
463.00 > 419.00	6.743	6.746	-0.003	1.000	166444	0.1327	Target=5.06	106	292	
463.00 > 219.00	6.735	6.746	-0.012	0.999	31125		5.35(2.53-7.59)	106	9047	
48 FHxSA										
397.90 > 78.00	6.887	6.880	0.007	1.052	191560	0.1312		105	6718	
44 8:2FTS										
527.10 > 507.00	6.933	6.935	-0.001	1.000	64918	0.2498	Target=1.11	104	4798	
527.10 > 80.80	6.933	6.935	-0.001	1.000	56659		1.15(0.55-1.66)	104	4204	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.933	6.944	-0.011	1.061	288528	5.10		106	21049	
46 PFECHS										
461.00 > 381.00	6.960	6.962	-0.002	1.064	53844	0.1327	Target=0.23	115	3765	
461.00 > 99.00	6.960	6.962	-0.002	1.064	226600		0.24(0.12-0.34)	115	12163	
47 PFHpS										
449.00 > 79.90	6.996	7.007	-0.011	0.940	209646	0.1322	Target=3.38	111	11401	
449.00 > 98.80	6.996	7.007	-0.011	0.940	59330		3.53(1.69-5.07)	111	4387	
D 50 d3-NMeFOSAA										
573.20 > 419.00	7.102	7.102	0.0	0.954	2719798	4.79		95.9	122381	
49 NMeFOSAA										
570.10 > 419.00	7.110	7.111	-0.001	1.001	74710	0.1273	Target=2.33	102	200	
570.10 > 483.00	7.102	7.111	-0.009	1.000	34638		2.16(1.16-3.49)	102	65.5	
D 53 13C6 PFDA										
519.10 > 474.10	7.172	7.173	-0.001	1.000	2066182	2.01		100	150706	
51 PFDA										
512.90 > 469.00	7.172	7.173	-0.001	1.000	146058	0.1343	Target=6.26	107	7912	
512.90 > 219.00	7.163	7.173	-0.010	0.999	23426		6.23(3.13-9.39)	107	1700	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 52 13C2 PFDA										
515.10 > 470.10	7.172	7.173	-0.001		2007052	2.00			109148	
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.281	7.291	-0.010	0.978	2355494	4.83		96.5	129489	
55 NEtFOSAA										
584.20 > 419.10	7.290	7.299	-0.009	1.001	54534	0.1371	Target=2.76	110	138	
584.20 > 526.00	7.281	7.299	-0.018	1.000	17633		3.09(1.38-4.14)	110	44.3	
* 57 13C4 PFOS										
502.80 > 79.90	7.442	7.451	-0.009		2978357	1.91			124681	
D 56 13C8 PFOS										
507.10 > 79.90	7.442	7.451	-0.009	1.000	2742052	1.87		97.9	26185	
58 PFOS										
498.90 > 79.90	7.450	7.451	-0.001	1.001	217070	0.1215	Target=3.93	105	18072	
498.90 > 98.80	7.442	7.451	-0.009	1.000	53979		4.02(1.97-5.89)	105	91.7	
D 60 13C7 PFUnA										
570.00 > 525.10	7.600	7.601	-0.001	1.060	1507735	2.06		103	104151	
59 PFUnA										
563.10 > 519.00	7.600	7.601	-0.001	1.000	87852	0.1315	Target=6.78	105	4584	
563.10 > 269.10	7.600	7.601	-0.001	1.000	13048		6.73(3.39-10.17)	105	680	
61 9ClFOS										
530.80 > 351.00	7.780	7.780	0.0	1.405	360059	0.1218	Target=3.19	104	26103	
532.80 > 353.00	7.771	7.780	-0.009	1.403	115645		3.11(1.59-4.78)	104	8431	
62 PFNS										
548.80 > 79.90	7.879	7.880	-0.001	1.059	165883	0.1295	Target=3.47	108	7440	
548.80 > 98.80	7.871	7.880	-0.010	1.058	48391		3.43(1.73-5.20)	108	3541	
63 PFDoA										
613.10 > 569.00	8.013	8.013	0.0		86998	0.1299	Target=8.09	104	7046	
613.10 > 319.00	8.013	8.013	0.0		12282		7.08(4.04-12.13)	104	1041	
D 64 PFDoA										
615.10 > 570.00	8.013	8.013	0.0	1.117	1257243	2.13		106	102745	
65 PFOSA										M
498.10 > 77.90	8.074	8.075	-0.001	1.000	203582	0.1335	Target=54.30	107	400	M
498.10 > 478.00	8.082	8.075	0.007	1.001	3971		51.27(27.15-81.45)	107	7.5	M
D 66 13C8 FOSA										
506.10 > 77.80	8.074	8.075	-0.001	1.085	2793083	1.99		99.3	107144	
67 PFDS										
599.00 > 79.90	8.272	8.266	0.006	1.111	188929	0.1331	Target=3.76	110	11394	
599.00 > 98.80	8.264	8.266	-0.002	1.110	49873		3.79(1.88-5.63)	110	4082	
68 PFTrDA										
663.00 > 619.00	8.398	8.400	-0.002	0.959	118574	0.1269	Target=4.44	102	8509	
663.00 > 168.90	8.398	8.400	-0.002	0.959	29106		4.07(2.22-6.65)	102	2070	
69 11ClFOS										
630.90 > 450.90	8.563	8.566	-0.003	1.546	366123	0.1223	Target=3.61	104	24708	
632.90 > 452.90	8.553	8.566	-0.013	1.544	105955		3.46(1.80-5.41)	104	7118	
70 PFTeDA										
713.10 > 168.90	8.755	8.749	0.007	1.000	24163	0.1208	Target=1.85	96.7	1588	
713.10 > 219.00	8.755	8.749	0.007	1.000	13799		1.75(0.93-2.78)	96.7	882	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 71 13C2 PFTeDA										
715.20 > 670.00	8.755	8.760	-0.005	1.221	1311976	2.10		105	87113	
72 PFDoS										
699.10 > 79.90	8.948	8.944	0.004	1.202	212920	0.1300	Target=4.41	107	3444	
699.10 > 98.80	8.948	8.944	0.004	1.202	48715		4.37(2.20-6.61)	107	3673	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.005	9.001	0.004	1.210	783239	4.92		98.4	5795	
74 N-MeFOSE-M										
616.10 > 58.90	9.014	9.019	-0.005	1.001	119388	0.6584		105	17196	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.105	9.102	0.003	1.224	609092	1.96		98.1	36727	
76 NMeFOSA										
511.90 > 219.00	9.114	9.102	0.012	1.001	43082	0.1181	Target=0.56	94.5	113	
511.90 > 169.00	9.105	9.102	0.003	1.000	83338		0.52(0.28-0.84)	94.5	19640	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.230	9.214	0.016	1.240	964155	4.84		96.9	3589	
78 N-EtFOSE-M										M
630.00 > 58.90	9.243	9.239	0.004	1.001	146978	0.6497		104	16323	M
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.305	9.302	0.003	1.250	683614	1.97		98.4	25434	
80 N-EtFOSA-M										
526.00 > 219.00	9.318	9.315	0.003	1.001	58242	0.1410	Target=0.74	113	267	
526.00 > 169.00	9.318	9.315	0.003	1.001	74376		0.78(0.37-1.12)	113	280	
81 Perfluorooctadecanoic acid										
913.00 > 869.00	9.647	9.645	0.002	1.102	256924	0.1325	Target=7.28	106	14508	
913.00 > 169.00	9.637	9.645	-0.008	1.101	34955		7.35(3.64-10.91)	106	2630	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_CAL2_00019 Amount Added: 1.00 Units: mL

Report Date: 27-Feb-2025 19:04:50 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-02.d

Injection Date: 27-Feb-2025 15:25:08 Instrument ID: 29347

Lims ID: IC CAL 2

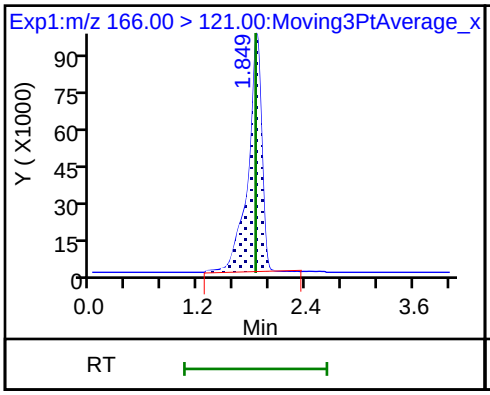
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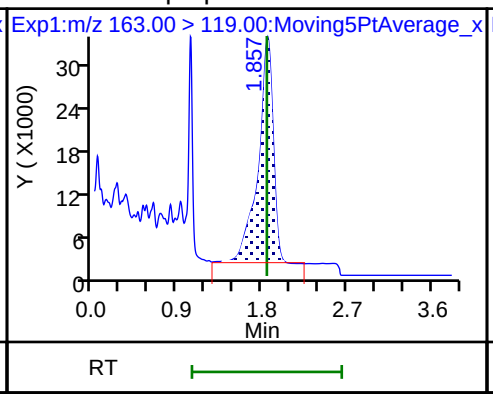
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Method: 29347_1633Final Limit Group: LC - 1633 LVI- ICAL

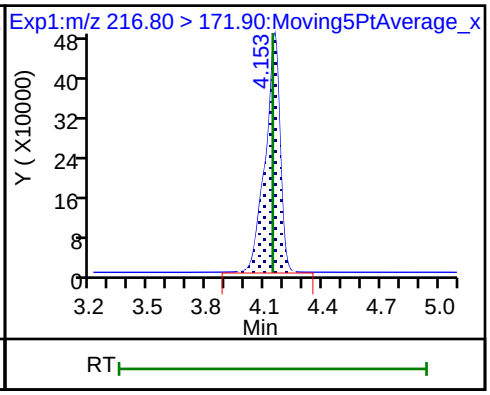
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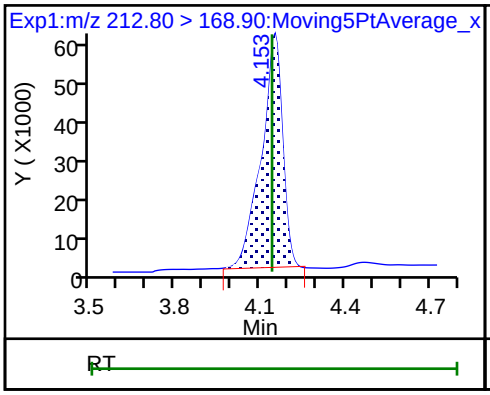
2 Perfluoropropionic acid



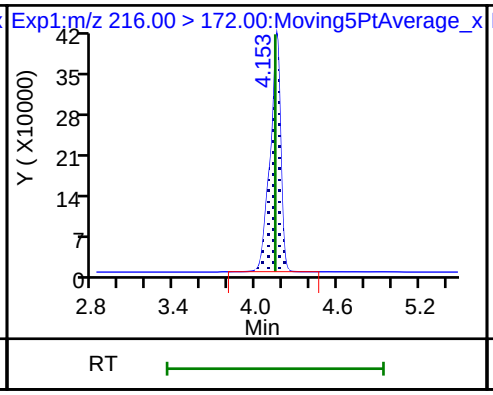
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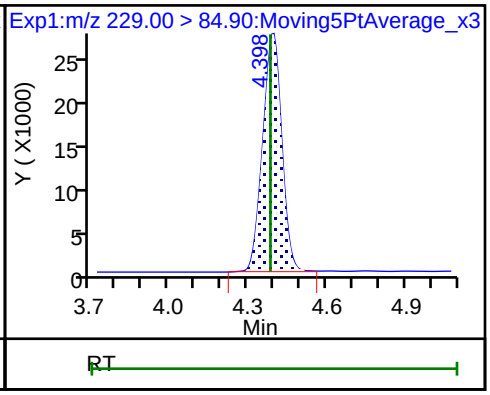
3 PFBA



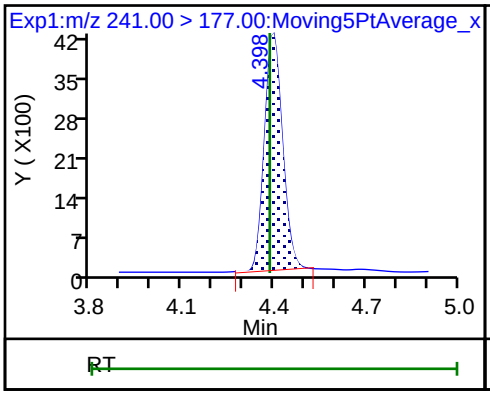
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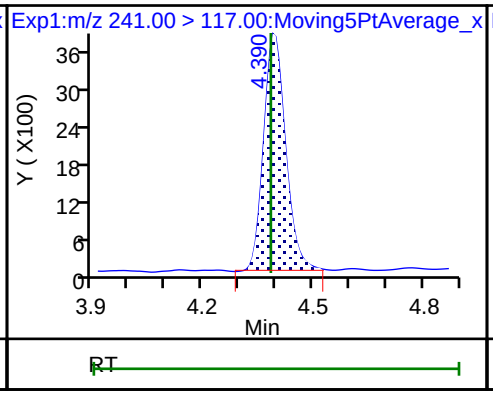
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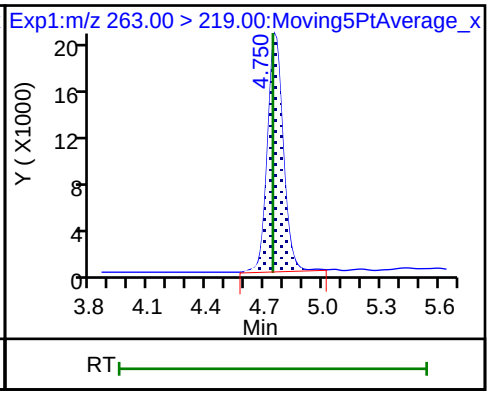
6 3:3 FTCA



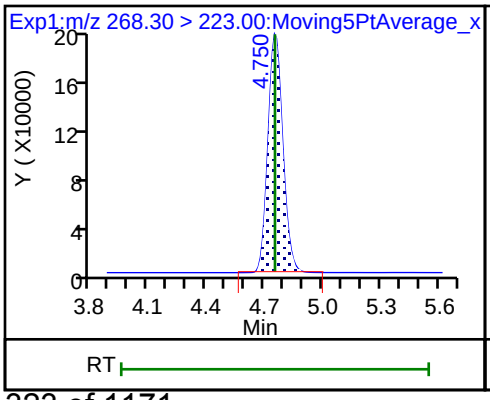
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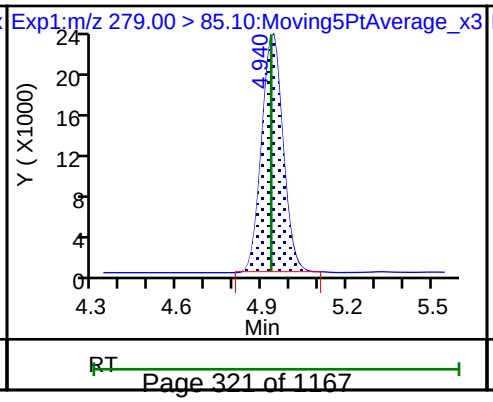
8 PFPA



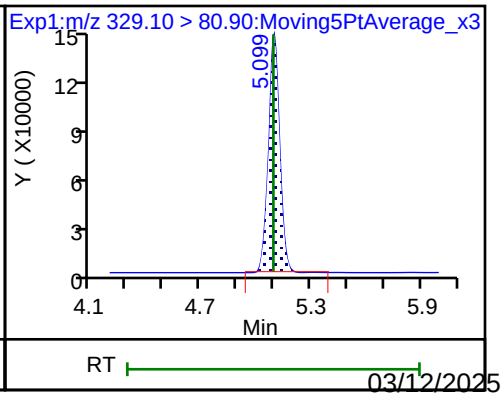
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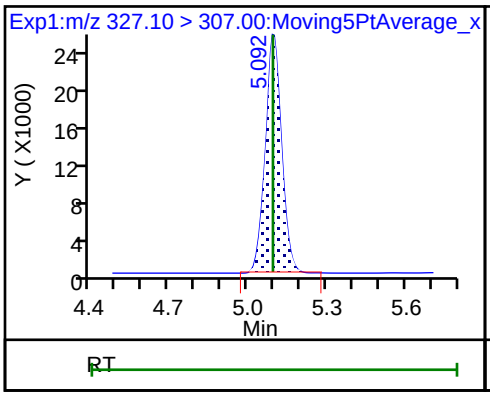
10 PFMBA



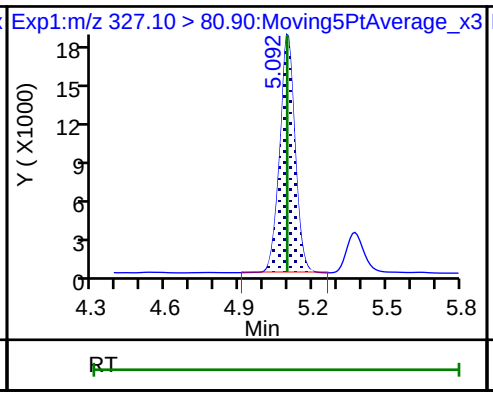
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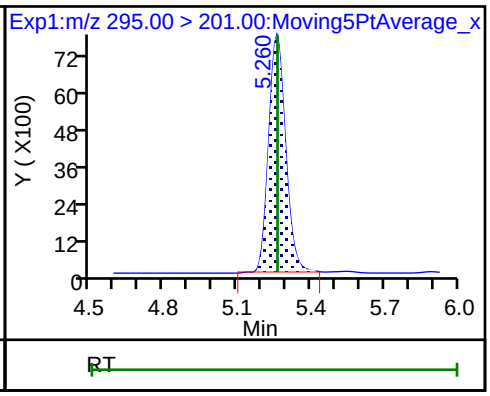
11 4:2FTS



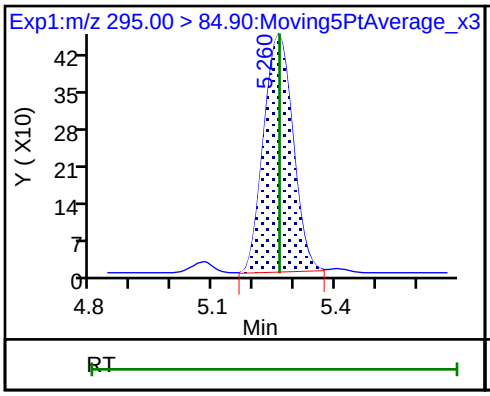
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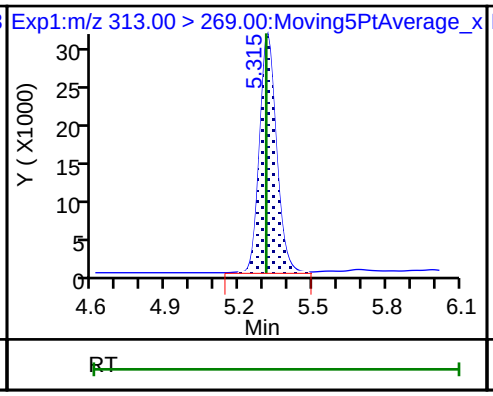
14 NFDHA



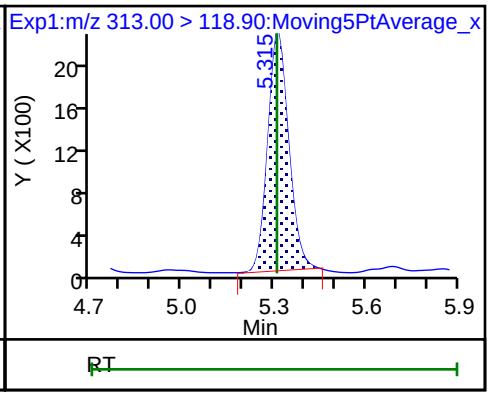
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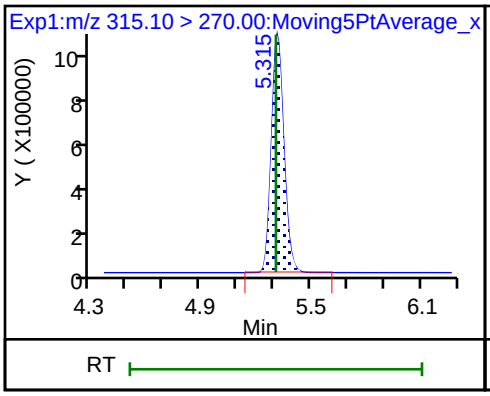
16 PFHxA



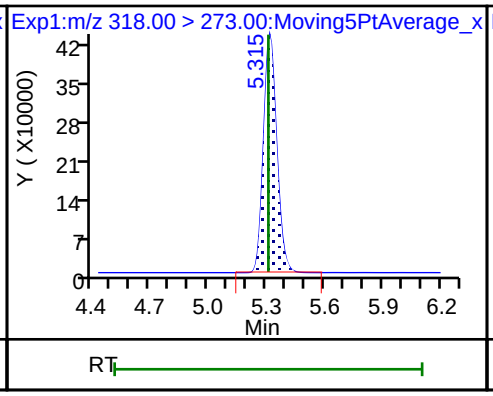
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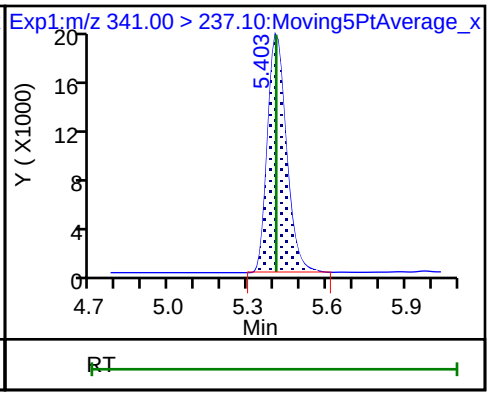
* 15 13C2 PFHxA



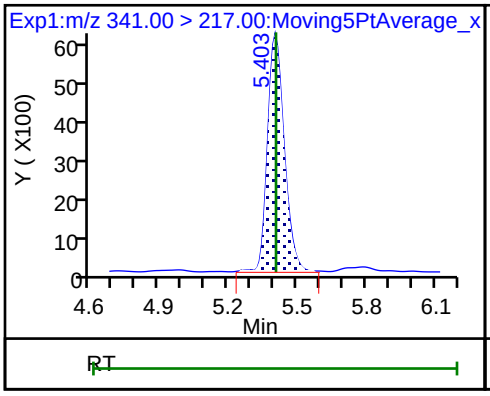
D 17 13C5 PFHxA



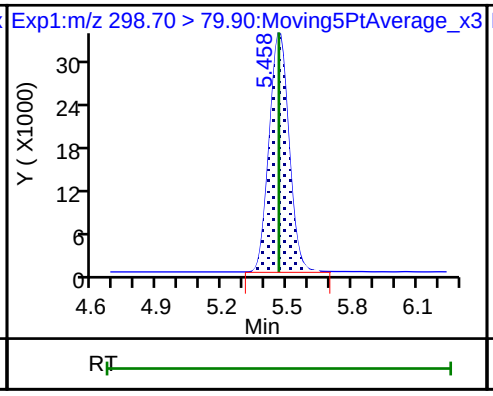
18 5:3 FTCA



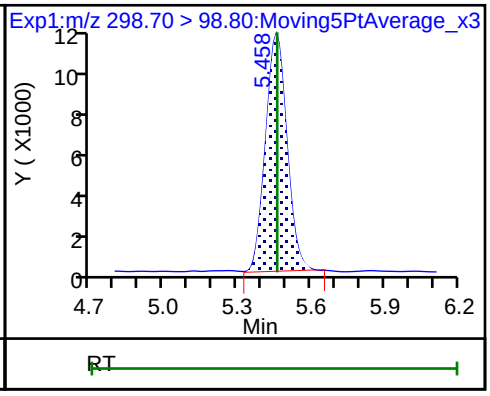
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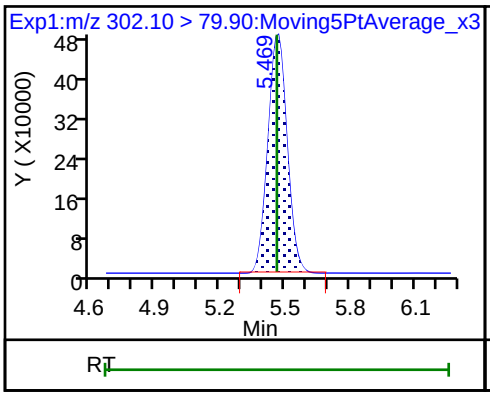
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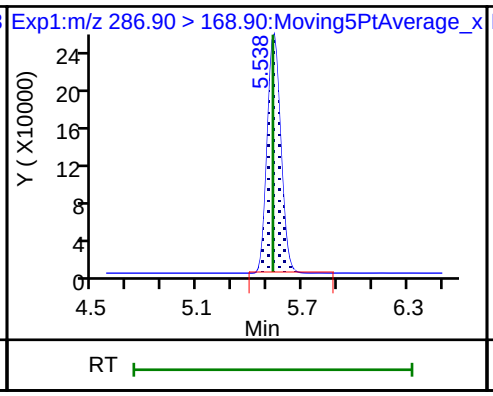
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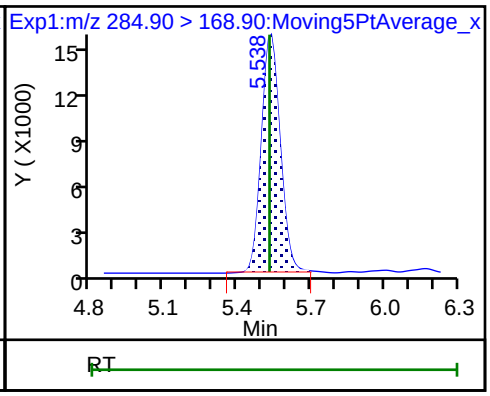
D 20 13C3 PFBS



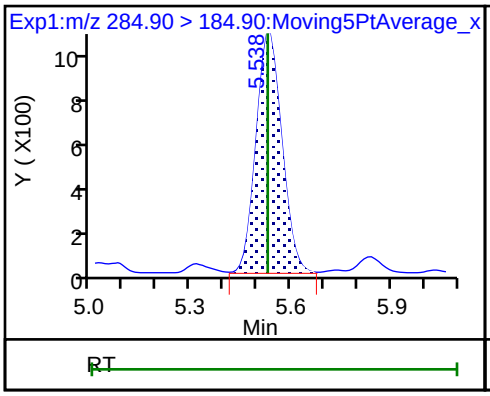
D 22 13C3 HFPO-DA



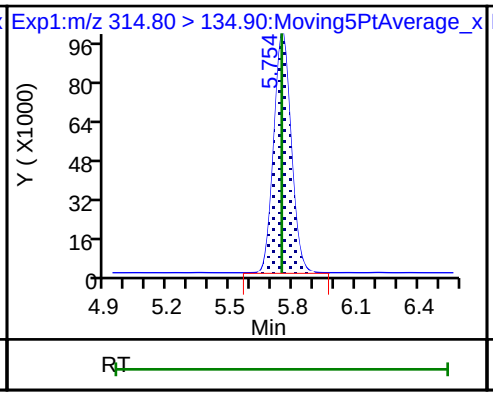
21 HFPO-DA



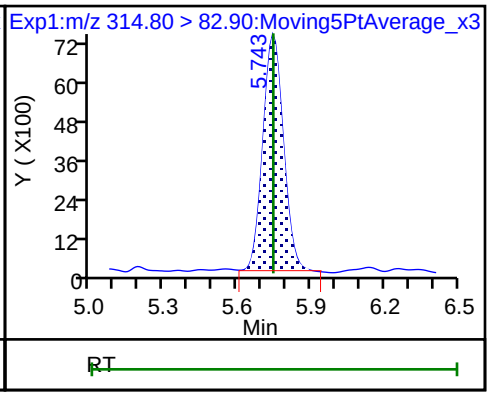
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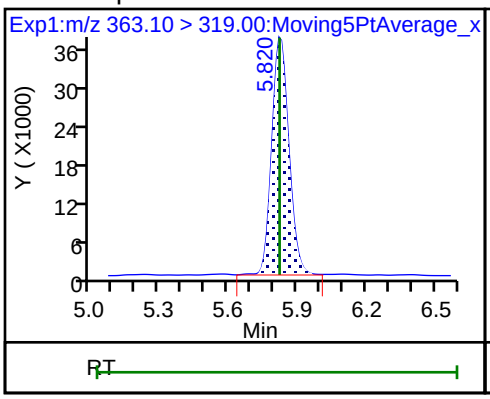
24 PFEESA



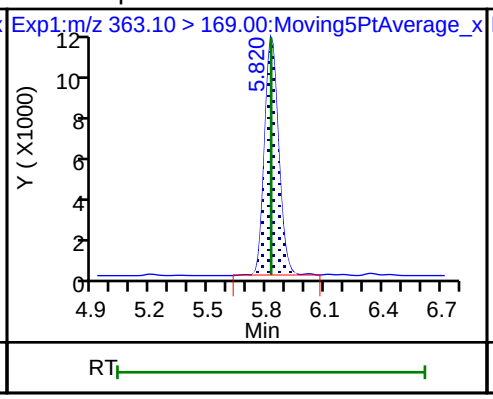
24 PFEESA



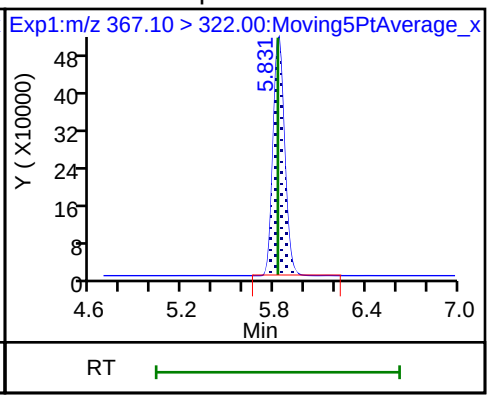
26 PFHpA



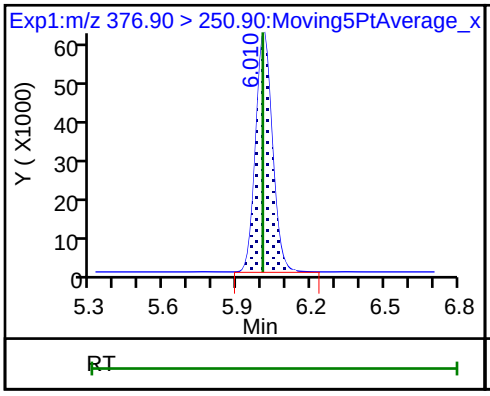
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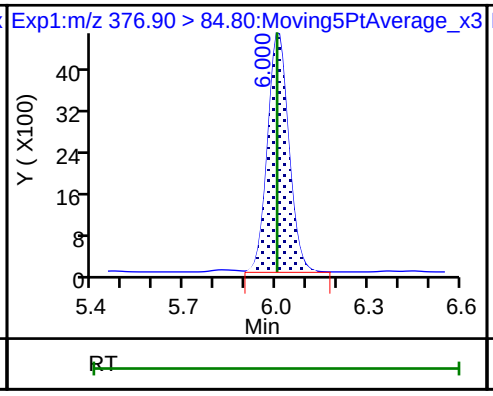
D 27 13C4 PFHpA



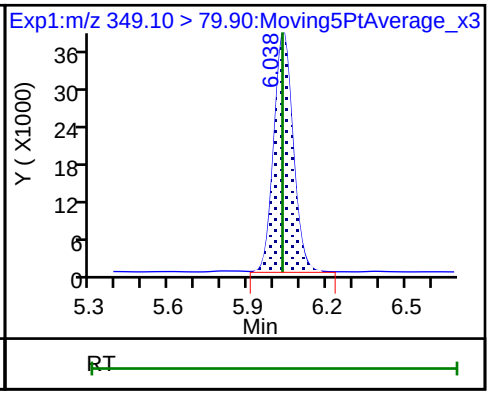
28 ADONA



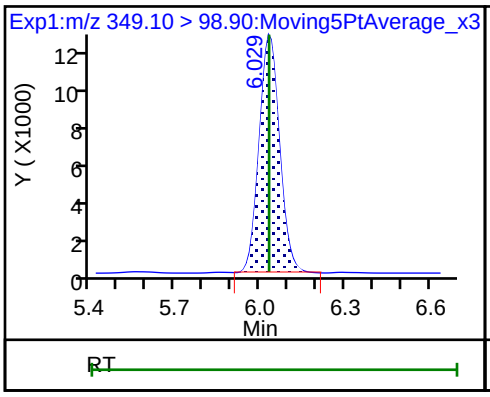
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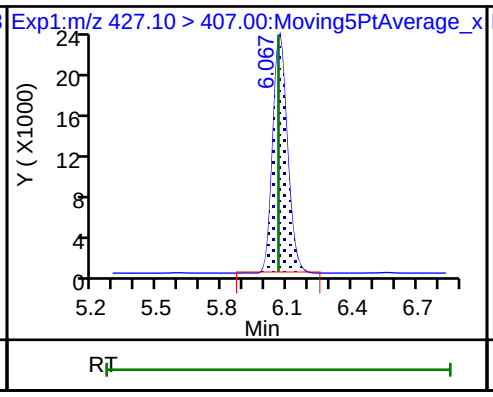
29 PFPeS



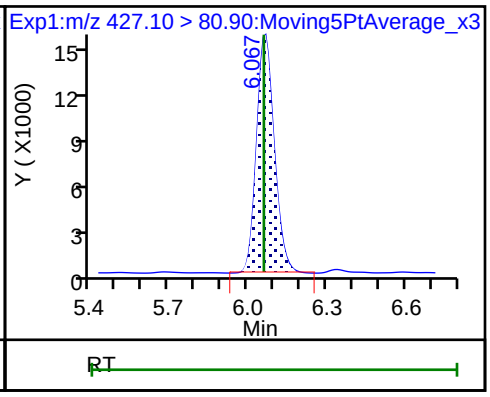
29 PFPeS



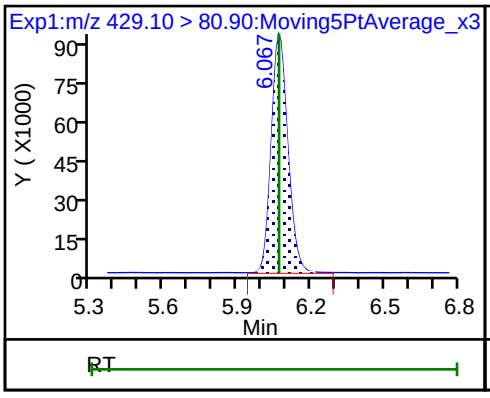
30 6:2FTS



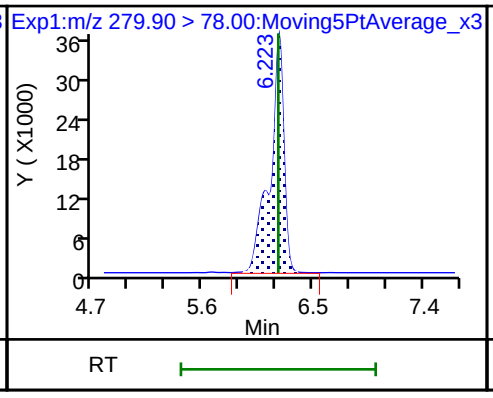
30 6:2FTS



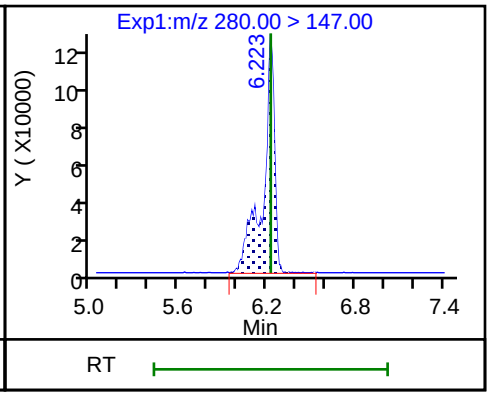
D 31 13C2-6:2FTS



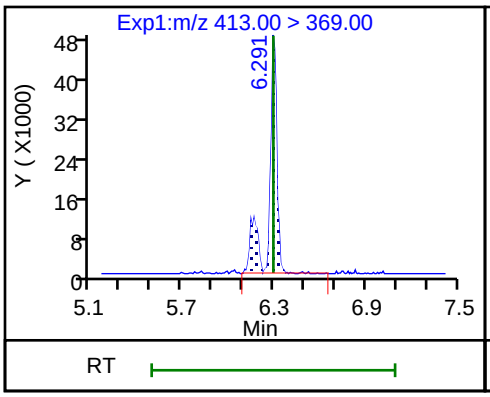
33 FBSA



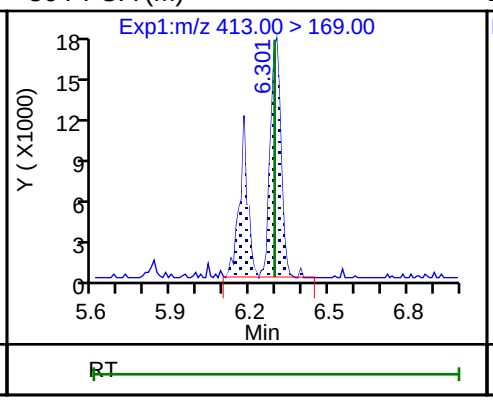
32 BTS



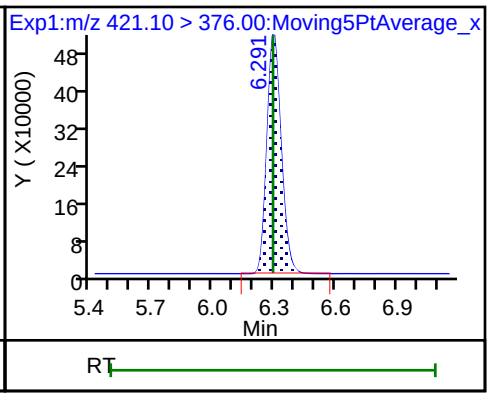
36 PFOA



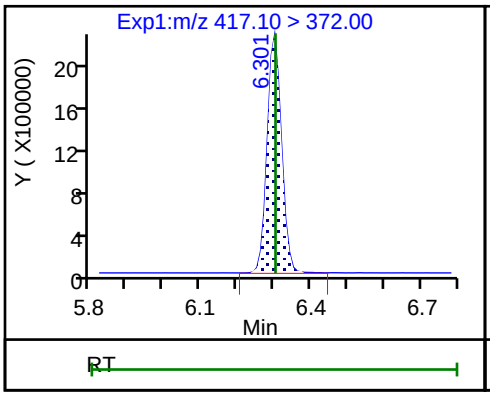
36 PFOA (M)



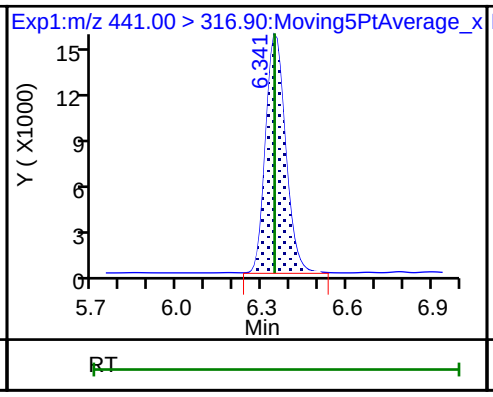
D 34 13C8 PFOA



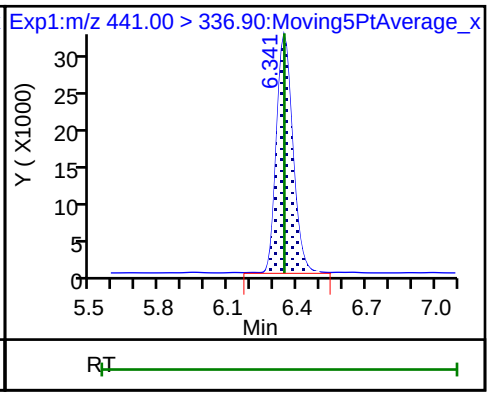
* 35 13C4 PFOA



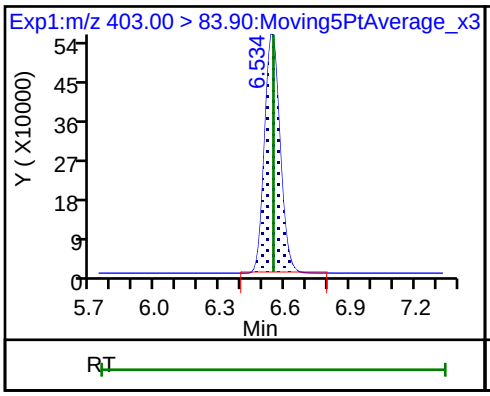
37 7:3 FTCA



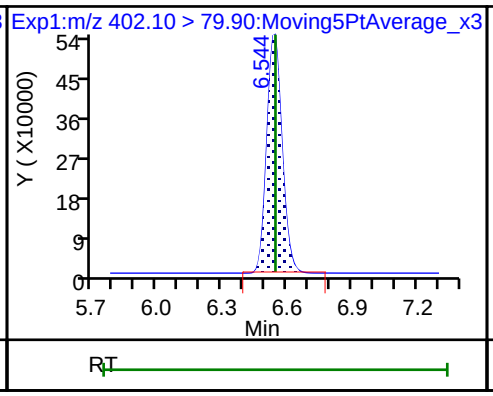
37 7:3 FTCA



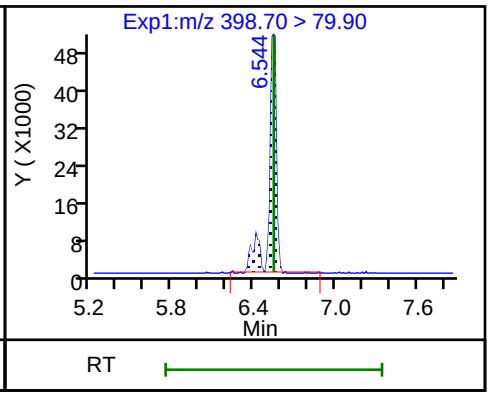
* 38 18O2 PFHxS



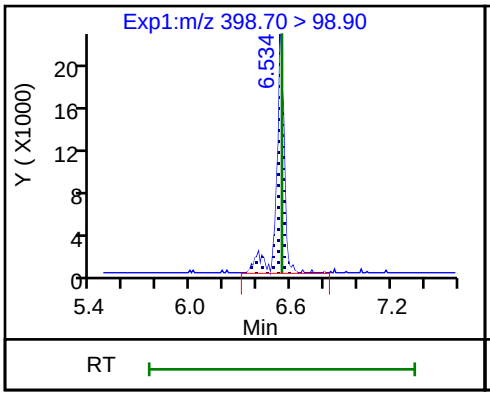
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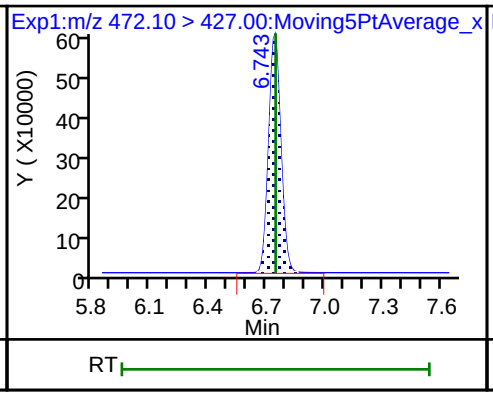
40 PFHxS



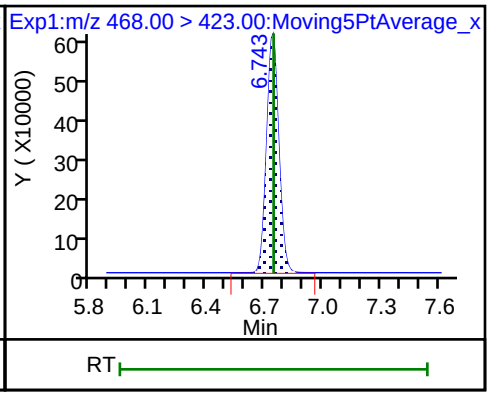
40 PFHxS



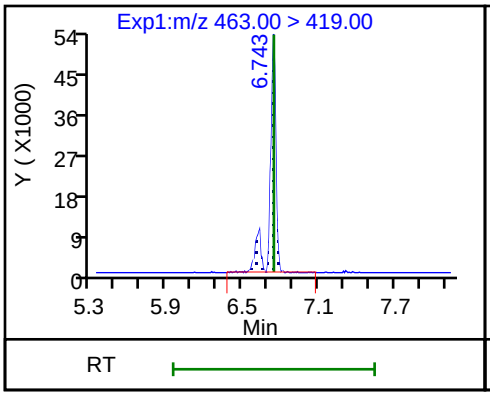
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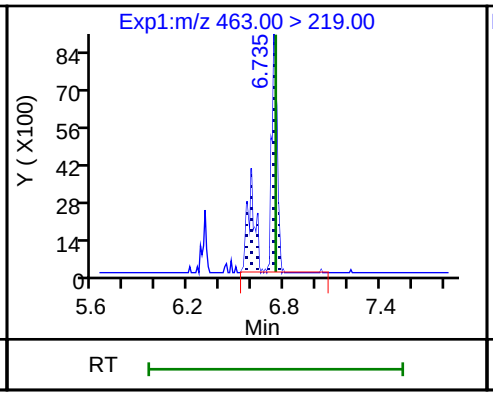
* 43 13C5 PFNA



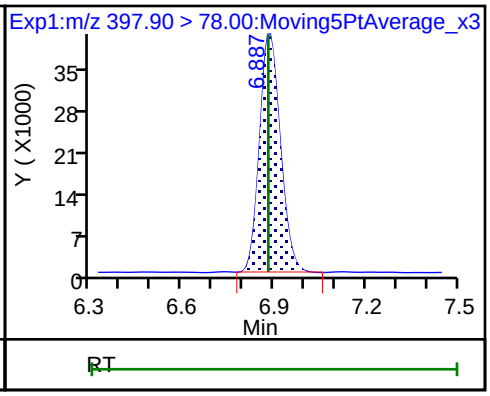
42 PFNA



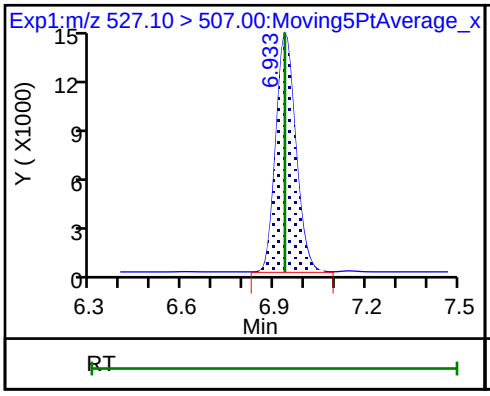
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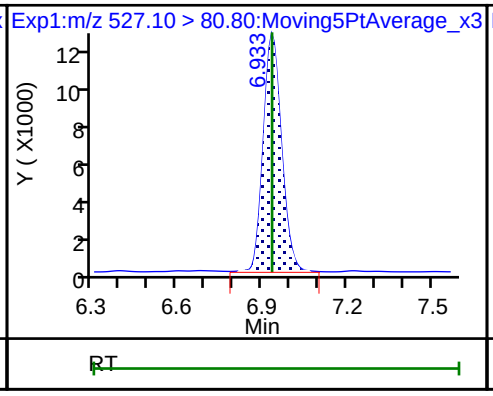
48 FHxSA



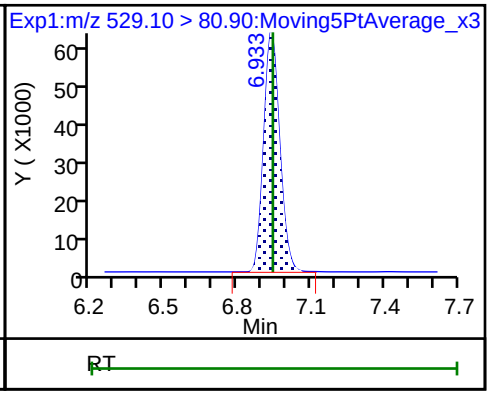
44 8:2FTS



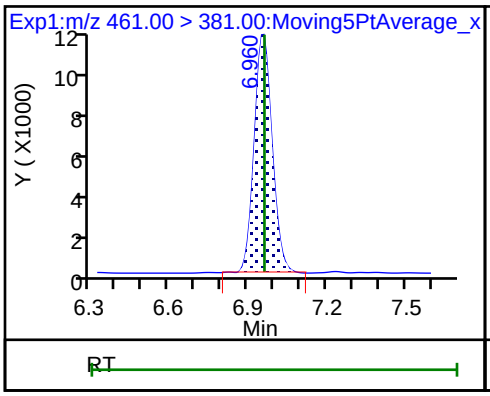
44 8:2FTS



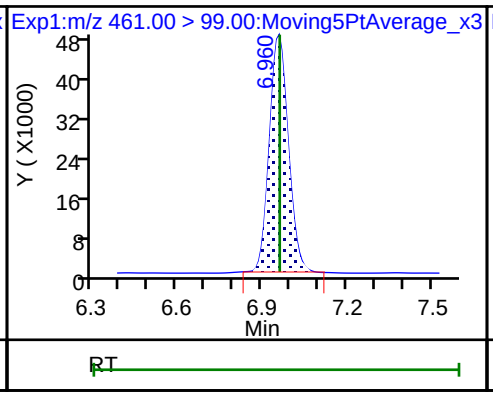
D 45 13C2-8:2FTS



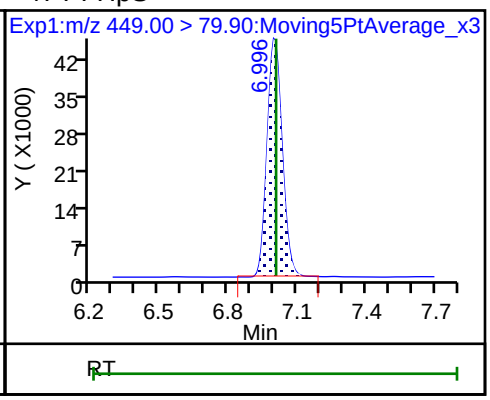
46 PFECHS



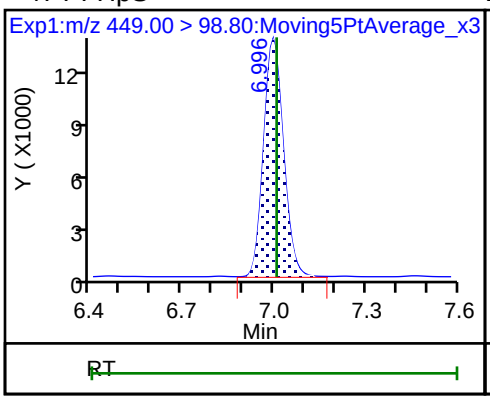
46 PFECHS



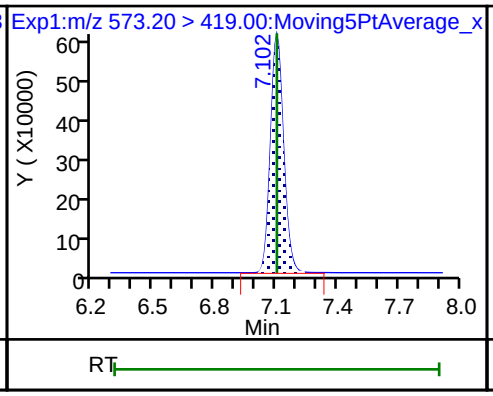
47 PFHpS



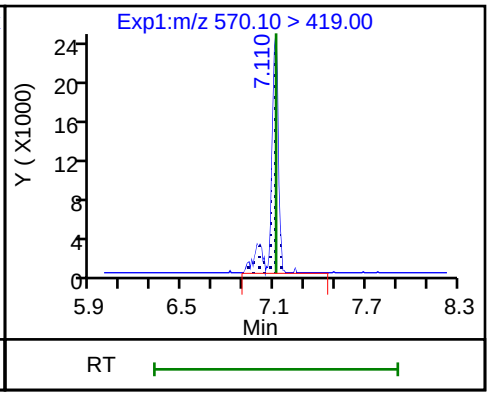
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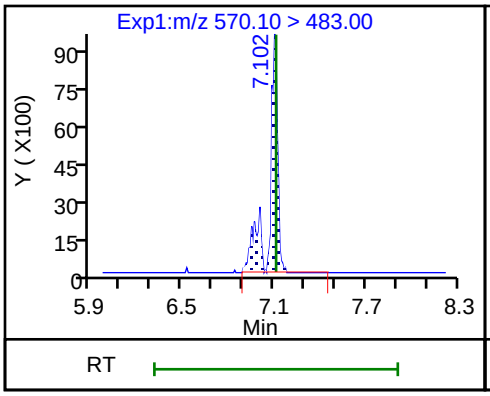
D 50 d3-NMeFOSAA



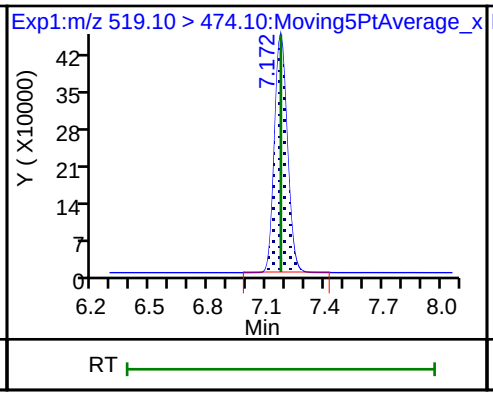
49 NMeFOSAA



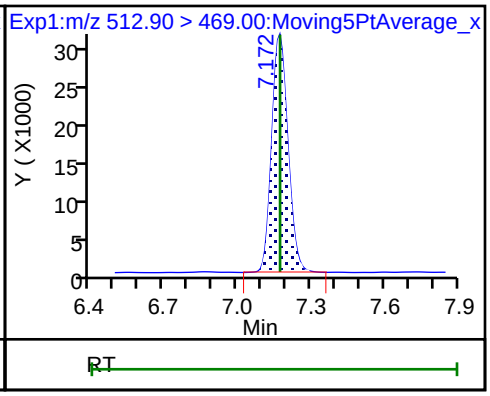
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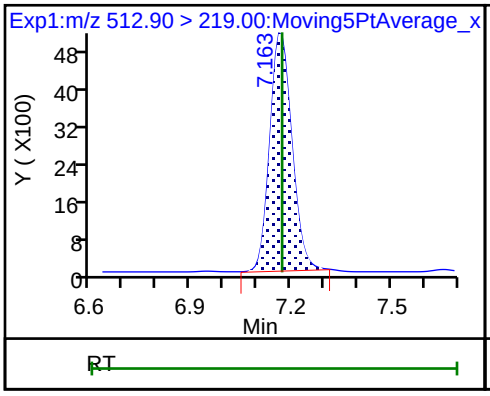
D 53 13C6 PFDA



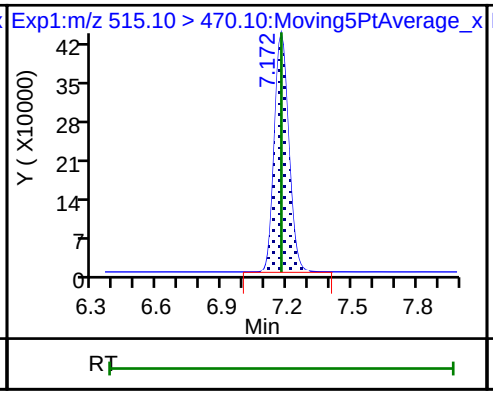
51 PFDA



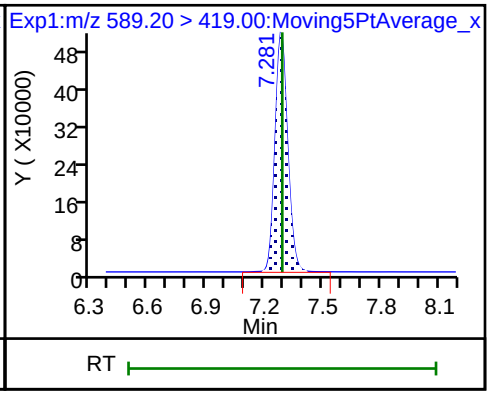
51 PFDA



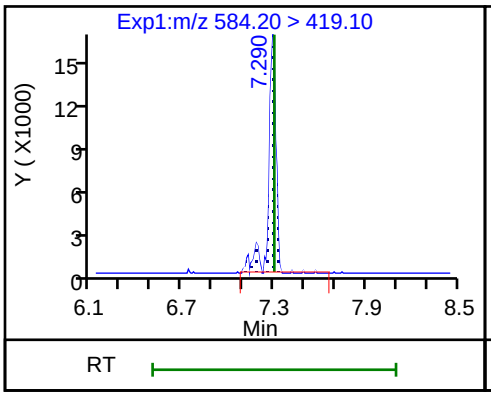
* 52 13C2 PFDA



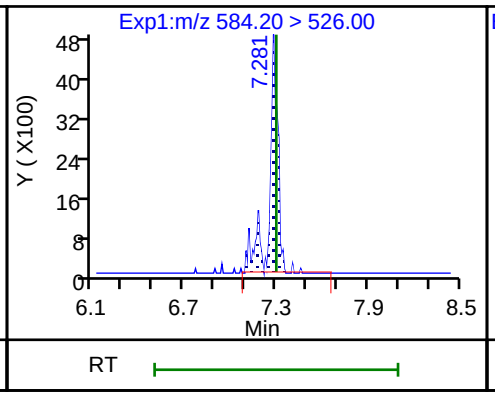
D 54 d5-NEtFOSAA



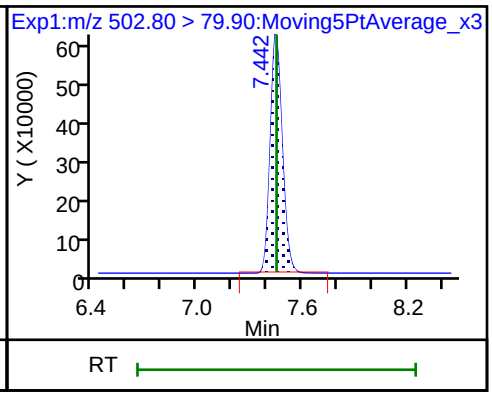
55 NEtFOSAA



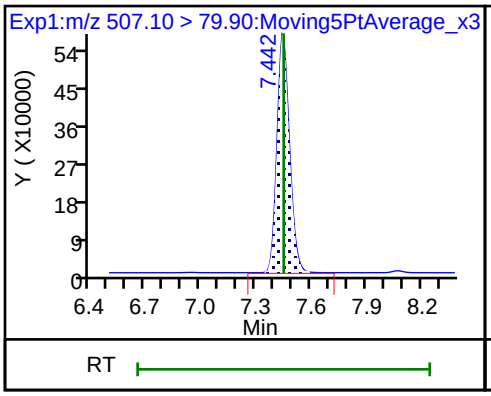
55 NEtFOSAA



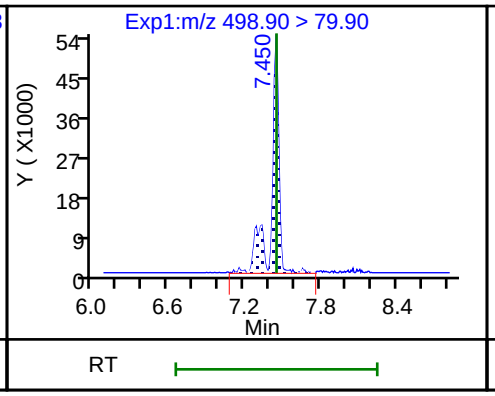
* 57 13C4 PFOS



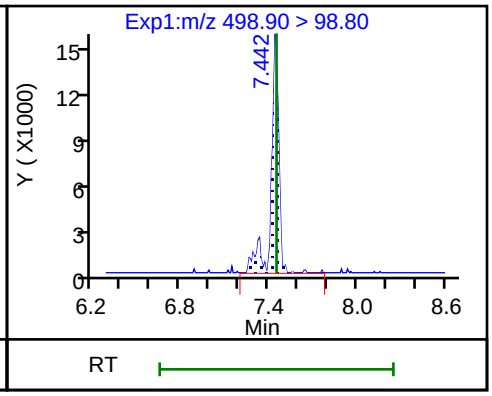
D 56 13C8 PFOS



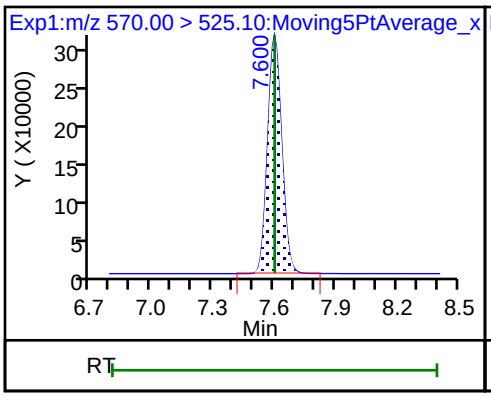
58 PFOS



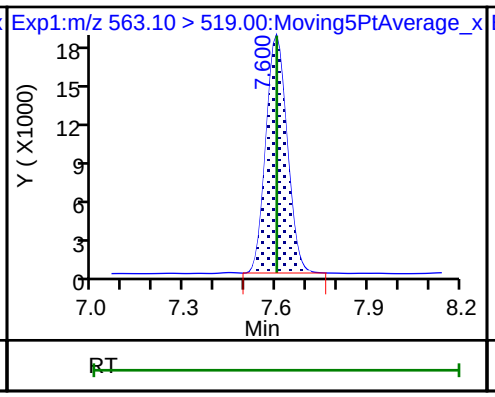
58 PFOS



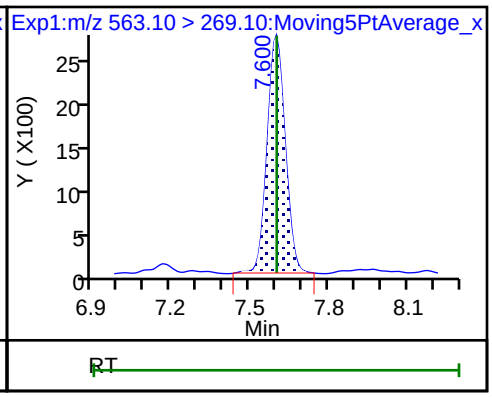
D 60 13C7 PFUnA



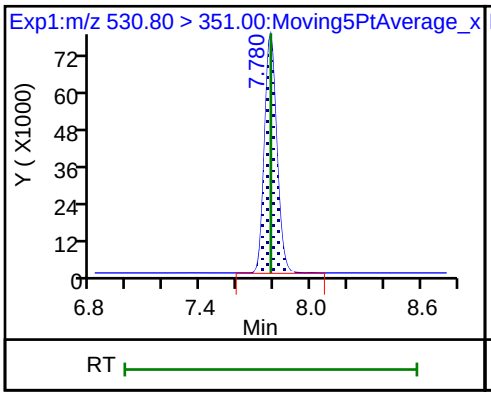
59 PFUnA



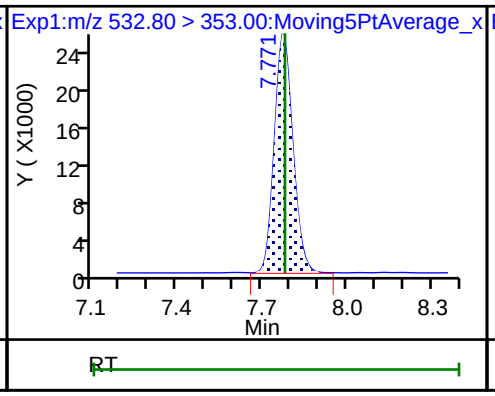
59 PFUnA



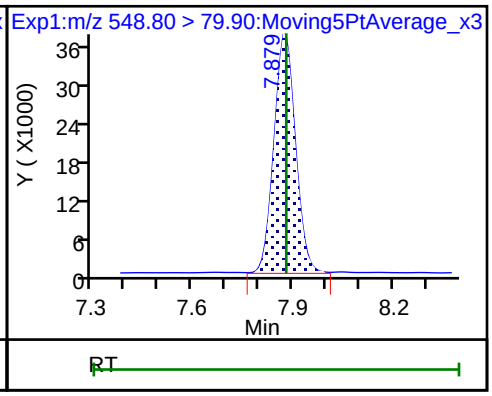
61 9ClFOS



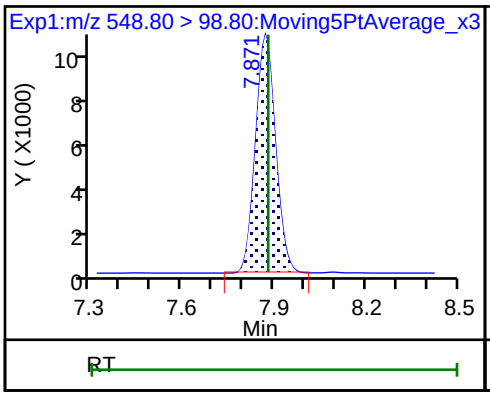
61 9ClFOS



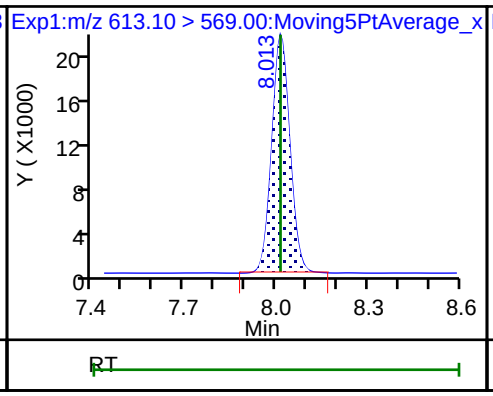
62 PFNS



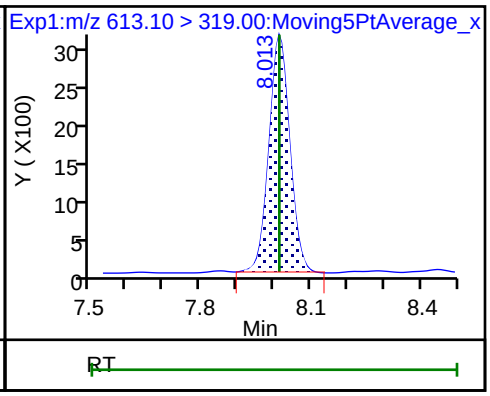
62 PFNS



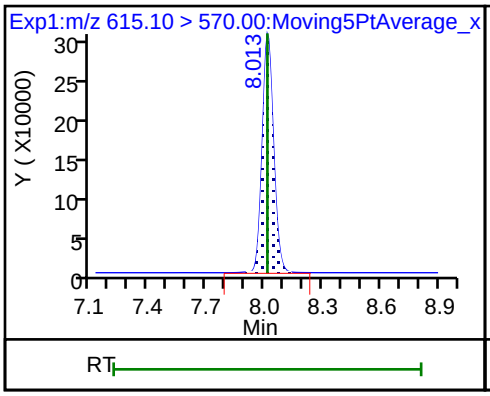
63 PFDoA



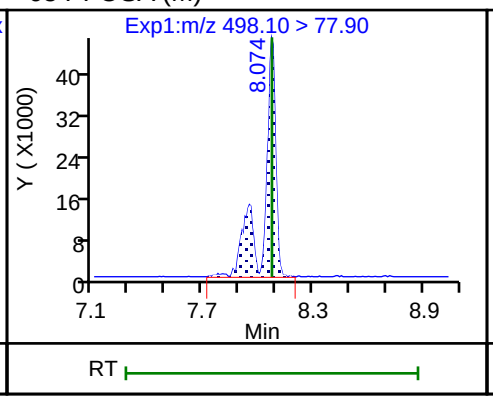
63 PFDoA



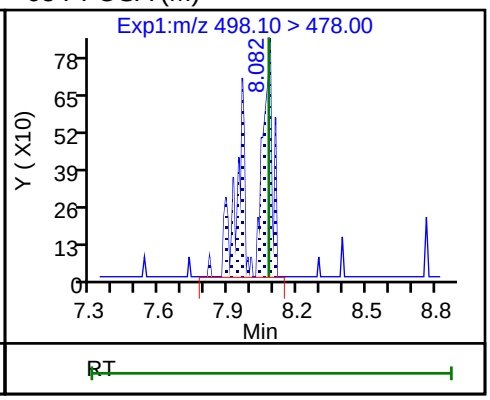
D 64 PFDoA



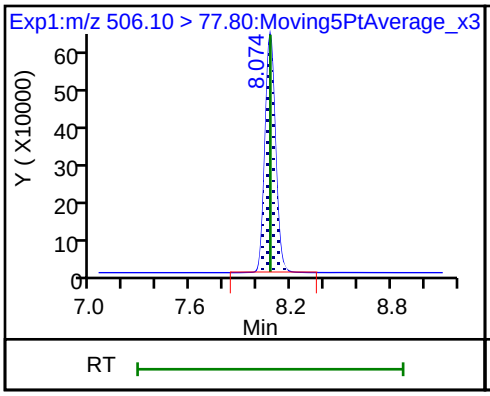
65 PFOSA (M)



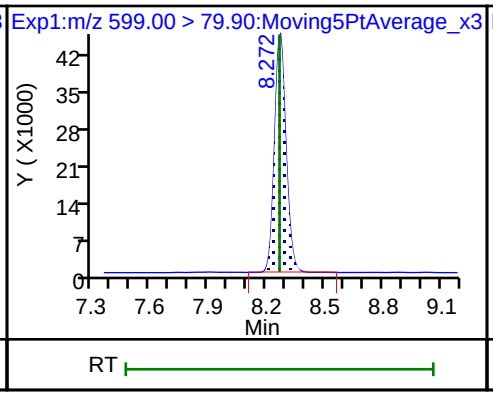
65 PFOSA (M)



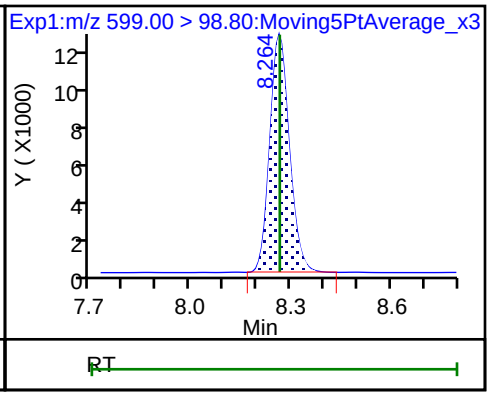
D 66 13C8 FOSA



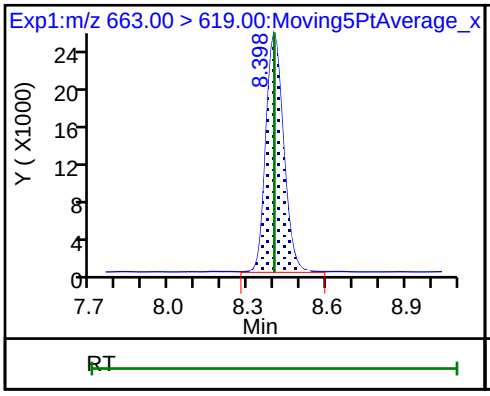
67 PFDS



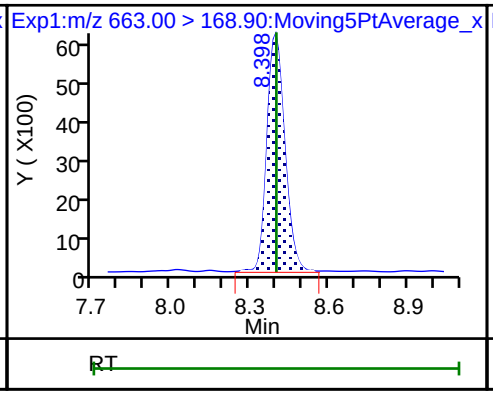
67 PFDS



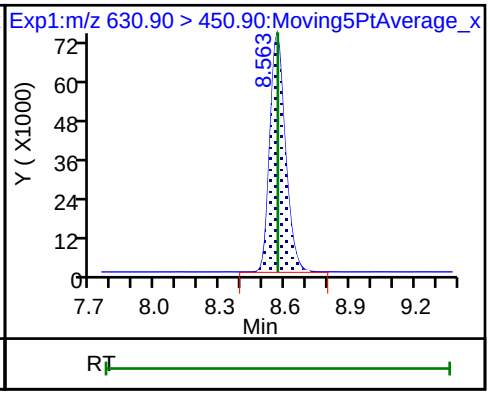
68 PFTrDA



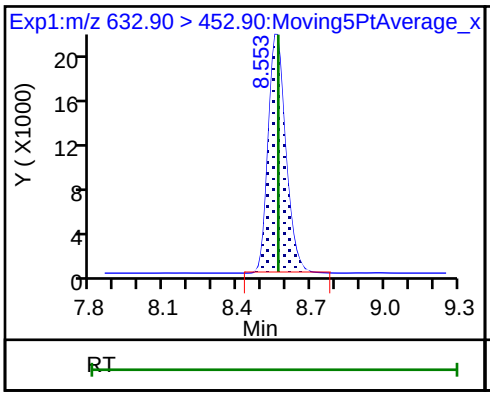
68 PFTrDA



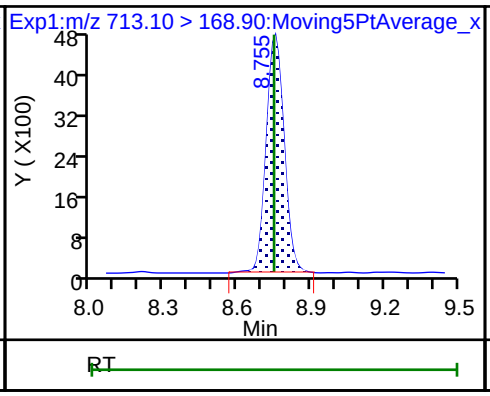
69 11ClFOS



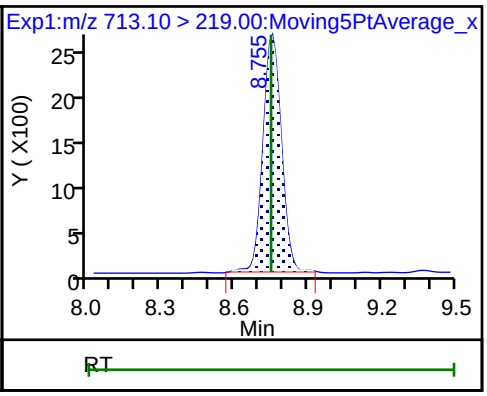
69 11ClFOS



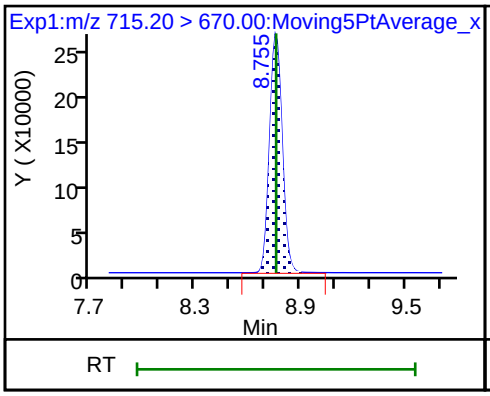
70 PFTeDA



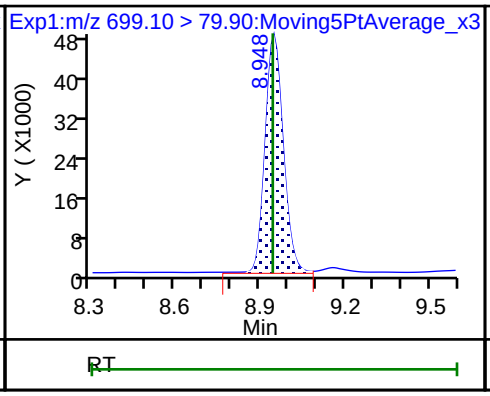
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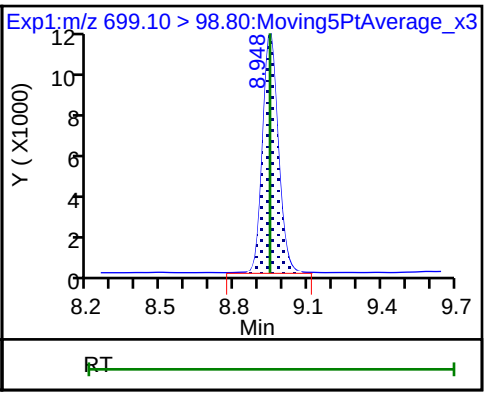
D 71 13C2 PFTeDA



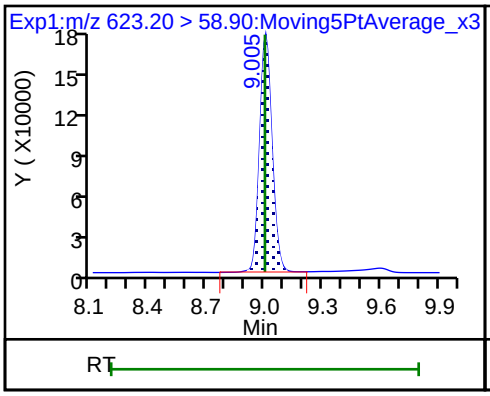
72 PFDoS



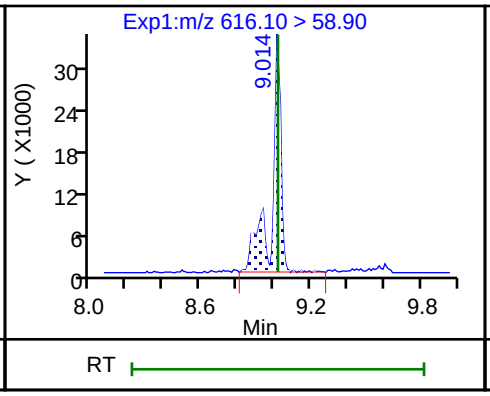
72 PFDoS



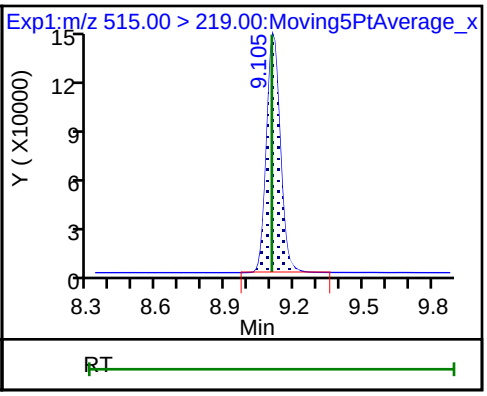
D 73 d7-N-Me-FOSE



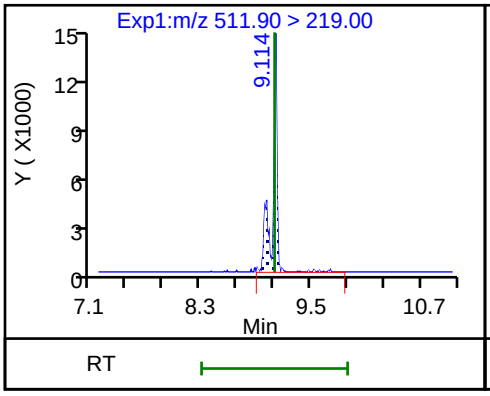
74 N-MeFOSE-M



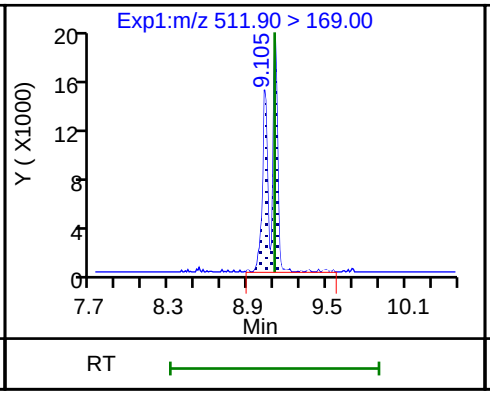
D 75 d3-NMePFOSA



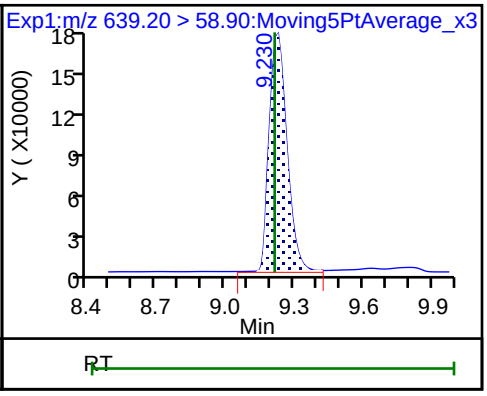
76 NMeFOSA



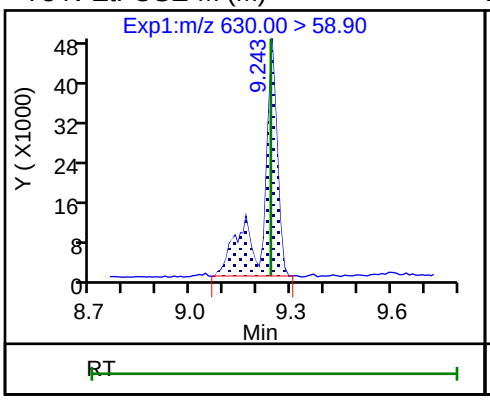
76 NMeFOSA



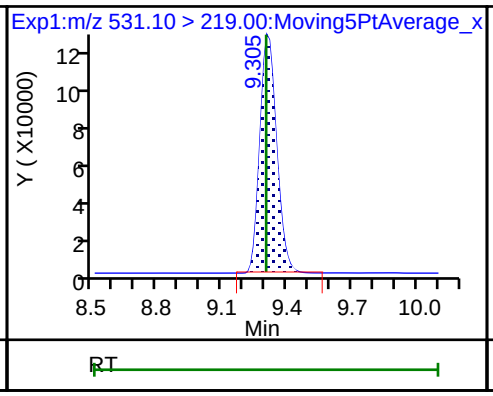
D 77 d9-N-EtFOSE



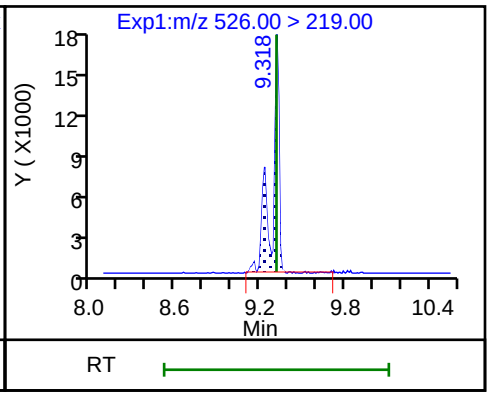
78 N-EtFOSE-M (M)



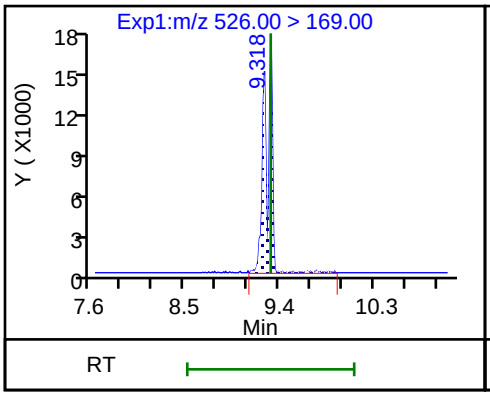
D 79 d5-NEtPFOSA



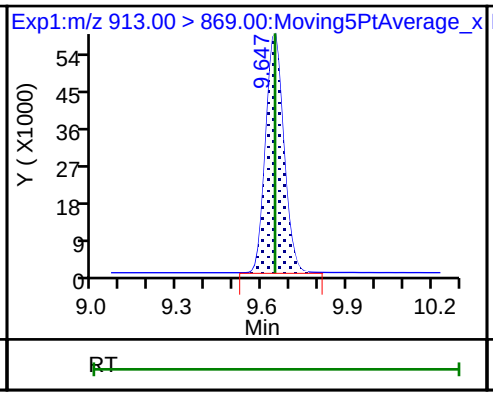
80 N-EtFOSA-M



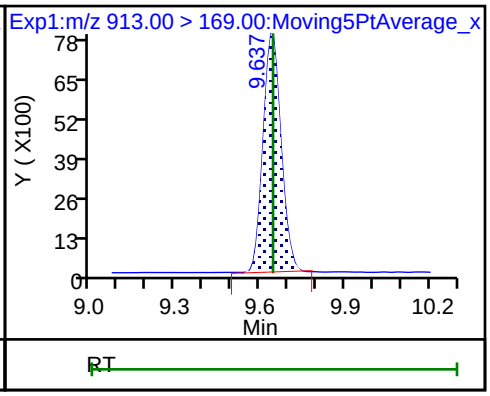
80 N-EtFOSA-M



81 Perfluorooctadecanoic acid



81 Perfluorooctadecanoic acid



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-03.d
Lims ID: IC CAL 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 27-Feb-2025 15:39:12 ALS Bottle#: 20004 Worklist Smp#: 3
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: IC CAL 3
Misc. Info.: Plate: 1 Rack: 1 410-0139404-003
Operator ID: US19_USR_INS00012E Instrument ID: 29347
Sublist: chrom-29347_1633Final*sub1

Method: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\29347_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 27-Feb-2025 19:05:02 Calib Date: 27-Feb-2025 16:49:35
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1602

First Level Reviewer: LDU5 Date: 27-Feb-2025 17:40:27
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C3PFPrA										
166.00 > 121.00	1.823	1.839	-0.016	0.440	1067667	2.08		104	280	
2 Perfluoropropionic acid										
163.00 > 119.00	1.832	1.848	-0.016	1.005	1324020	2.36		94.5	15.5	
D 4 13C4-PFBA										
216.80 > 171.90	4.140	4.141	-0.001	1.000	2398352	1.99		99.3	78651	
3 PFBA										
212.80 > 168.90	4.140	4.141	-0.001	1.000	1118774	0.9602		96.0	3746	
* 5 13C3PFBA										
216.00 > 172.00	4.140	4.141	-0.001		2107007	2.00			648	
7 PFMPA										
229.00 > 84.90	4.390	4.385	0.005	0.924	485262	0.4783		95.7	17357	
6 3:3 FTCA										
241.00 > 177.00	4.390	4.385	0.005	0.924	59425	0.9513	Target=1.12	95.1	4906	
241.00 > 117.00	4.390	4.385	0.005	0.924	52406		1.13(0.56-1.67)	95.1	759	
8 PFPA										
263.00 > 219.00	4.750	4.742	0.008	1.000	376271	0.4750		95.0	6599	
D 9 13C5 PFPeA										
268.30 > 223.00	4.750	4.753	-0.003	0.894	975992	2.00		100	47161	
10 PFMBA										
279.00 > 85.10	4.929	4.932	-0.003	1.038	415333	0.4759		95.2	16190	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.099	5.094	0.005	0.779	594597	4.58		97.7	35132	
11 4:2FTS										
327.10 > 307.00	5.092	5.094	-0.002	0.999	403390	0.9386	Target=1.53	100	31923	
327.10 > 80.90	5.092	5.094	-0.002	0.999	252343		1.60(0.76-2.29)	100	5092	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.259	5.263	-0.004	0.989	126634	0.4764	Target=17.76	95.3	6865	
295.00 > 84.90	5.259	5.263	-0.004	0.989	8631		14.67(8.88-26.65)	95.3	613	
16 PFHxA										
313.00 > 269.00	5.315	5.308	0.007	1.000	497097	0.4891	Target=12.95	97.8	9468	
313.00 > 118.90	5.306	5.308	-0.002	0.998	39643		12.54(6.47-19.42)	97.8	2782	
* 15 13C2 PFHxA										
315.10 > 270.00	5.315	5.308	0.007		4716057	5.00			144202	
D 17 13C5 PFHxA										
318.00 > 273.00	5.315	5.308	0.007	1.000	2086636	2.05		102	111524	
18 5:3 FTCA										
341.00 > 237.10	5.403	5.407	-0.004	1.017	316594	2.27	Target=2.90	90.6	12873	
341.00 > 217.00	5.403	5.407	-0.004	1.017	110383		2.87(1.45-4.35)	90.6	7438	
19 PFBS										
298.70 > 79.90	5.458	5.461	-0.003	1.000	701700	0.4159	Target=3.01	93.7	30238	
298.70 > 98.80	5.458	5.461	-0.003	1.000	237516		2.95(1.51-4.52)	93.7	10328	
D 20 13C3 PFBS										
302.10 > 79.90	5.458	5.461	-0.003	0.834	2880176	1.83		98.1	122998	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.538	5.530	0.008	1.042	1273905	1.94		97.1	60143	
21 HFPO-DA										
284.90 > 168.90	5.527	5.530	-0.004	0.998	262635	0.3596	Target=15.29	95.9	8384	
284.90 > 184.90	5.527	5.530	-0.004	0.998	16276		16.14(7.65-22.94)	95.9	1022	
24 PFEESA										
314.80 > 134.90	5.743	5.745	-0.002	1.081	1910677	0.4176	Target=13.00	93.6	86090	
314.80 > 82.90	5.743	5.745	-0.002	1.081	138163		13.83(6.50-19.50)	93.6	4229	
26 PFHpA										
363.10 > 319.00	5.821	5.823	-0.002	0.998	625353	0.4861	Target=3.19	97.2	17334	
363.10 > 169.00	5.821	5.823	-0.002	0.998	199358		3.14(1.60-4.79)	97.2	12862	
D 27 13C4 PFHpA										
367.10 > 322.00	5.832	5.823	0.009	1.097	2465714	1.98		99.0	119559	
28 ADONA										
376.90 > 250.90	6.011	6.002	0.009	1.085	973274	0.4603	Target=14.18	97.3	68746	
376.90 > 84.80	6.001	6.002	-0.001	1.084	66777		14.57(7.09-21.26)	97.3	4766	
29 PFPeS										
349.10 > 79.90	6.030	6.031	-0.001	0.921	631328	0.4390	Target=2.90	93.4	32068	
349.10 > 98.90	6.030	6.031	-0.001	0.921	216904		2.91(1.45-4.36)	93.4	10930	
30 6:2FTS										
427.10 > 407.00	6.068	6.060	0.008	1.000	360515	0.8679	Target=1.45	91.6	25594	
427.10 > 80.90	6.058	6.060	-0.002	0.998	249303		1.45(0.72-2.17)	91.6	13365	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.068	6.069	-0.001	0.927	420920	4.67		98.2	30182	
33 FBSA										
279.90 > 78.00	6.224	6.215	0.009	1.140	1033906	0.4666		93.3	44524	
32 BTS										
280.00 > 147.00	6.233	6.225	0.008	0.952	2379061	0.4717		96.4	2400	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
36 PFOA										
413.00 > 369.00	6.301	6.293	0.008	1.002	568527	0.4743	Target=2.12	94.9	78189	
413.00 > 169.00	6.292	6.293	-0.001	1.000	256364		2.22(1.06-3.17)	94.9	33839	
D 34 13C8 PFOA										
421.10 > 376.00	6.292	6.293	-0.001	0.998	2581437	2.05		103	132923	
* 35 13C4 PFOA										
417.10 > 372.00	6.301	6.303	-0.002		6198350	5.00			614519	
37 7:3 FTCA										
441.00 > 316.90	6.342	6.344	-0.002	1.193	269015	2.38	Target=0.48	95.3	13559	
441.00 > 336.90	6.342	6.344	-0.002	1.193	559186		0.48(0.24-0.71)	95.3	22679	
* 38 18O2 PFHxS										
403.00 > 83.90	6.545	6.546	-0.001		2752585	1.89			140854	
D 39 13C3 PFHxS										
402.10 > 79.90	6.545	6.546	-0.001	1.000	2611685	1.83		96.5	133796	
40 PFHxS										
398.70 > 79.90	6.545	6.546	-0.001	1.000	648575	0.4394	Target=2.92	96.4	196462	
398.70 > 98.90	6.535	6.546	-0.011	0.999	214232		3.03(1.46-4.39)	96.4	63103	
42 PFNA										M
463.00 > 419.00	6.745	6.746	-0.001	1.000	523232	0.4823	Target=5.06	96.5	79217	
463.00 > 219.00	6.736	6.746	-0.010	0.999	105168		4.98(2.53-7.59)	96.5	9914	M
D 41 13C9 PFNA										
472.10 > 427.00	6.745	6.746	-0.001	1.000	2474834	1.98		98.8	140738	
* 43 13C5 PFNA										
468.00 > 423.00	6.745	6.746	-0.001		2560962	2.00			147156	
48 FHxSA										
397.90 > 78.00	6.872	6.880	-0.008	1.050	681299	0.4768		95.4	29286	
44 8:2FTS										
527.10 > 507.00	6.934	6.935	0.0	1.000	212727	0.9245	Target=1.11	96.5	15697	
527.10 > 80.80	6.934	6.935	0.0	1.000	199103		1.07(0.55-1.66)	96.5	14524	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.934	6.944	-0.010	1.059	255502	4.52		94.2	18878	
46 PFECHS										
461.00 > 381.00	6.952	6.962	-0.010	1.062	172717	0.4347	Target=0.23	94.1	9165	
461.00 > 99.00	6.952	6.962	-0.010	1.062	758410		0.23(0.12-0.34)	94.1	40514	
47 PFHpS										
449.00 > 79.90	6.998	7.007	-0.009	0.940	696218	0.4620	Target=3.38	96.9	30668	
449.00 > 98.80	6.998	7.007	-0.009	0.940	209419		3.32(1.69-5.07)	96.9	15426	
D 50 d3-NMeFOSAA										
573.20 > 419.00	7.102	7.102	0.0	0.954	2697732	5.01		100	151929	
49 NMeFOSAA										
570.10 > 419.00	7.102	7.111	-0.009	1.000	266435	0.4672	Target=2.33	93.4	683	
570.10 > 483.00	7.102	7.111	-0.009	1.000	115625		2.30(1.16-3.49)	93.4	210	
D 53 13C6 PFDA										
519.10 > 474.10	7.173	7.173	0.0	1.000	2059240	1.93		96.6	150756	
51 PFDA										
512.90 > 469.00	7.173	7.173	0.0	1.000	515252	0.4754	Target=6.26	95.1	27885	
512.90 > 219.00	7.163	7.173	-0.010	0.999	85373		6.04(3.13-9.39)	95.1	6212	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 52 13C2 PFDA										
515.10 > 470.10	7.173	7.173	0.0		2079487	2.00			114071	
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.281	7.291	-0.010	0.978	2348577	5.07		101	128648	
55 NEtFOSAA										
584.20 > 419.10	7.290	7.299	-0.009	1.001	178688	0.4562	Target=2.76	91.2	54550	
584.20 > 526.00	7.290	7.299	-0.009	1.001	67247		2.66(1.38-4.14)	91.2	223	
* 57 13C4 PFOS										
502.80 > 79.90	7.442	7.451	-0.009		2828022	1.91			99186	
D 56 13C8 PFOS										
507.10 > 79.90	7.442	7.451	-0.009	1.000	2604905	1.87		97.9	21027	
58 PFOS										
498.90 > 79.90	7.450	7.451	-0.001	1.001	729228	0.4588	Target=3.93	98.7	193953	
498.90 > 98.80	7.450	7.451	-0.001	1.001	182593		3.99(1.97-5.89)	98.7	380	
D 60 13C7 PFUnA										
570.00 > 525.10	7.600	7.601	-0.001	1.060	1476639	1.94		97.2	102348	
59 PFUnA										
563.10 > 519.00	7.600	7.601	-0.001	1.000	307568	0.4699	Target=6.78	94.0	21344	
563.10 > 269.10	7.600	7.601	-0.001	1.000	45737		6.72(3.39-10.17)	94.0	3167	
61 9ClFOS										
530.80 > 351.00	7.780	7.780	0.0	1.405	1261789	0.4620	Target=3.19	98.9	91950	
532.80 > 353.00	7.771	7.780	-0.009	1.403	392686		3.21(1.59-4.78)	98.9	28490	
62 PFNS										
548.80 > 79.90	7.871	7.880	-0.009	1.058	566794	0.4659	Target=3.47	96.9	25283	
548.80 > 98.80	7.871	7.880	-0.009	1.058	169917		3.34(1.73-5.20)	96.9	12782	
63 PFDoA										
613.10 > 569.00	8.013	8.013	0.0		300896	0.4671	Target=8.09	93.4	24613	
613.10 > 319.00	8.013	8.013	0.0		36904		8.15(4.04-12.13)	93.4	2987	
D 64 PFDoA										
615.10 > 570.00	8.013	8.013	0.0	1.117	1209547	1.97		98.7	74539	
65 PFOSA										M
498.10 > 77.90	8.074	8.075	-0.001	1.000	665838	0.4667	Target=54.30	93.3	75947	M
498.10 > 478.00	7.952	8.075	-0.123	0.985	11611		57.35(27.15-81.45)	93.3	27.2	
D 66 13C8 FOSA										
506.10 > 77.80	8.074	8.075	-0.001	1.085	2613656	1.96		97.8	99881	
67 PFDS										
599.00 > 79.90	8.272	8.266	0.006	1.112	638337	0.4733	Target=3.76	98.2	38478	
599.00 > 98.80	8.264	8.266	-0.002	1.111	168615		3.79(1.88-5.63)	98.2	13810	
68 PFTrDA										
663.00 > 619.00	8.398	8.400	-0.002	0.959	433140	0.4850	Target=4.44	97.0	31520	
663.00 > 168.90	8.398	8.400	-0.002	0.959	88941		4.87(2.22-6.65)	97.0	6459	
69 11ClFOS										
630.90 > 450.90	8.563	8.566	-0.003	1.546	1222570	0.4599	Target=3.61	97.4	62190	
632.90 > 452.90	8.553	8.566	-0.013	1.544	334491		3.66(1.80-5.41)	97.4	22386	
70 PFTeDA										
713.10 > 168.90	8.755	8.749	0.007	1.000	85804	0.5033	Target=1.85	101	5640	
713.10 > 219.00	8.755	8.749	0.007	1.000	47501		1.81(0.93-2.78)	101	3077	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 71 13C2 PFTeDA										
715.20 > 670.00	8.755	8.760	-0.005	1.221	1245829	1.92		96.2	82660	
72 PFDoS										
699.10 > 79.90	8.949	8.944	0.005	1.203	735730	0.4728	Target=4.41	97.5	20730	
699.10 > 98.80	8.949	8.944	0.005	1.203	174827		4.21(2.20-6.61)	97.5	12961	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.005	9.001	0.004	1.210	751694	4.97		99.5	5902	
74 N-MeFOSE-M										
616.10 > 58.90	9.024	9.019	0.005	1.002	412116	2.37		94.7	1168	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.115	9.102	0.013	1.225	596876	2.02		101	35986	
76 NMeFOSA										
511.90 > 219.00	9.115	9.102	0.013	1.000	161977	0.4819	Target=0.56	96.4	604	
511.90 > 169.00	9.106	9.102	0.004	0.999	285301		0.57(0.28-0.84)	96.4	606	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.231	9.214	0.017	1.240	943734	4.99		99.9	3831	
78 N-EtFOSE-M										
630.00 > 58.90	9.243	9.239	0.004	1.001	523467	2.36		94.6	53515	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.306	9.302	0.004	1.250	642659	1.95		97.4	29875	
80 N-EtFOSA-M										
526.00 > 219.00	9.318	9.315	0.003	1.001	184682	0.4754	Target=0.74	95.1	719	
526.00 > 169.00	9.318	9.315	0.003	1.001	258242		0.72(0.37-1.12)	95.1	63055	
81 Perfluorooctadecanoic acid										
913.00 > 869.00	9.638	9.645	-0.007	1.101	838179	0.4779	Target=7.28	95.6	37660	
913.00 > 169.00	9.627	9.645	-0.018	1.100	117903		7.11(3.64-10.91)	95.6	8762	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_CAL3_00019 Amount Added: 1.00 Units: mL

Report Date: 27-Feb-2025 19:05:03 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-03.d

Injection Date: 27-Feb-2025 15:39:12 Instrument ID: 29347

Lims ID: IC CAL 3

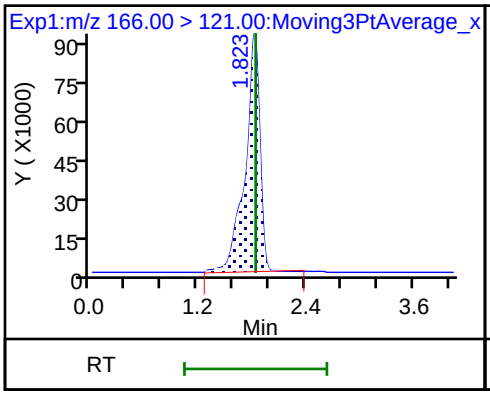
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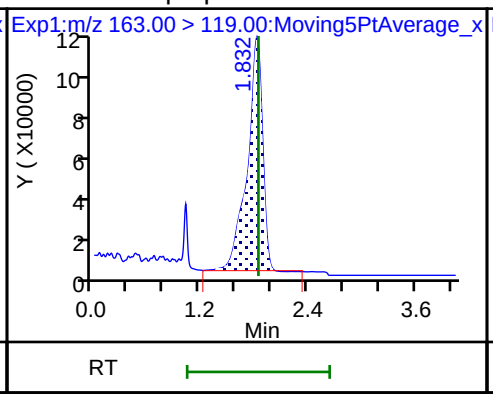
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Method: 29347_1633Final Limit Group: LC - 1633 LVI- ICAL

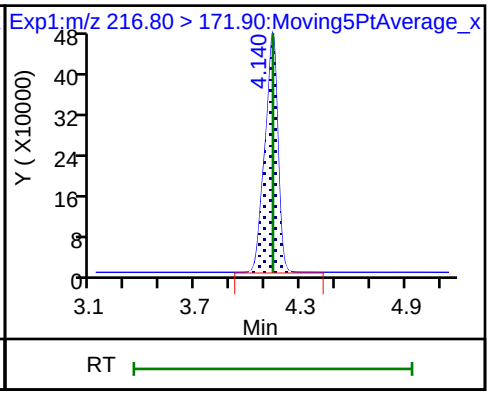
D 1 13C3PFPrA



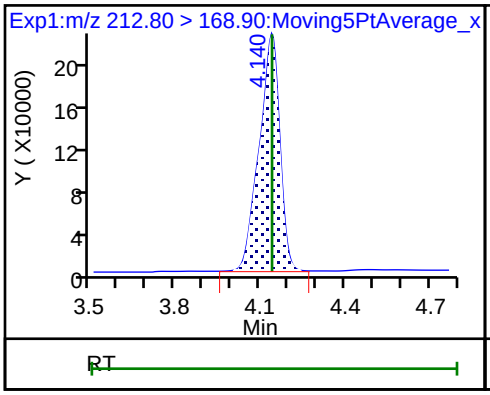
2 Perfluoropropionic acid



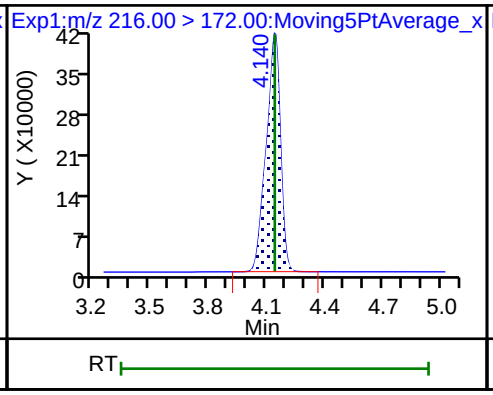
D 4 13C4-PFBA



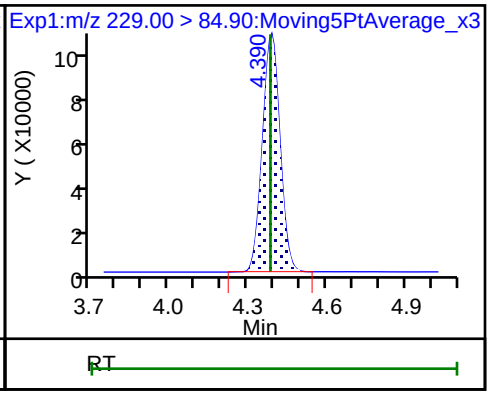
3 PFBA



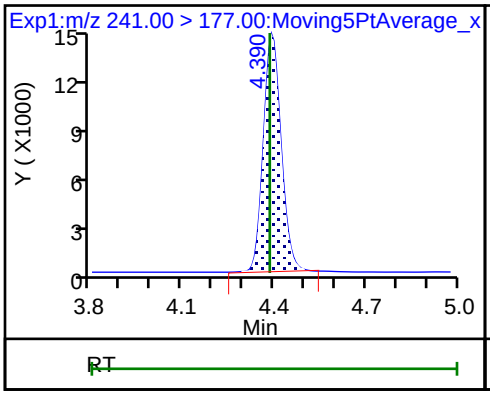
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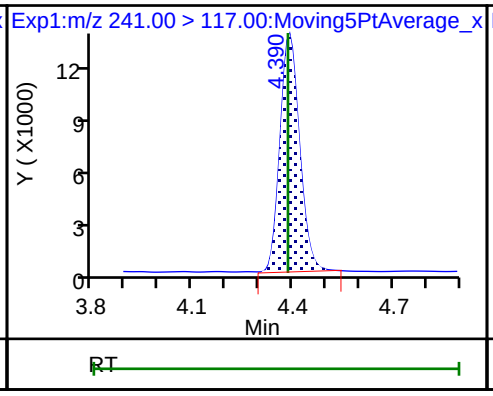
7 PFMPA



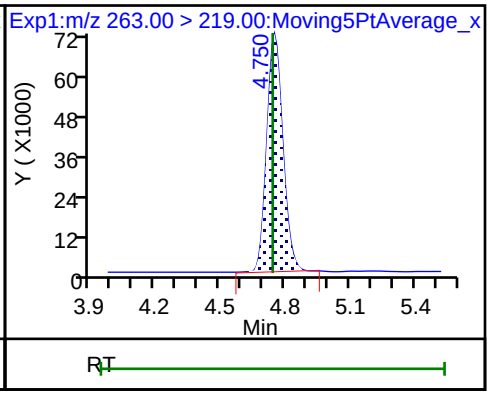
6 3:3 FTCA



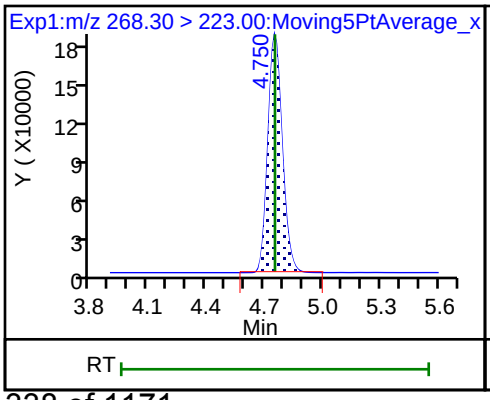
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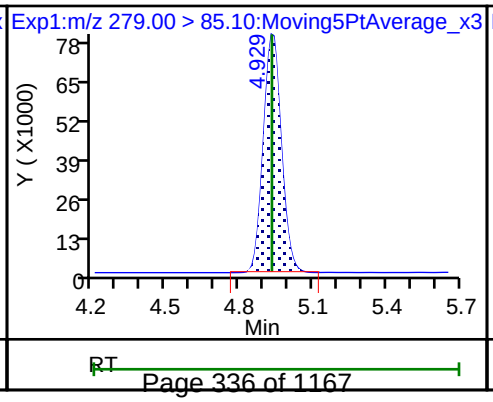
8 PFPA



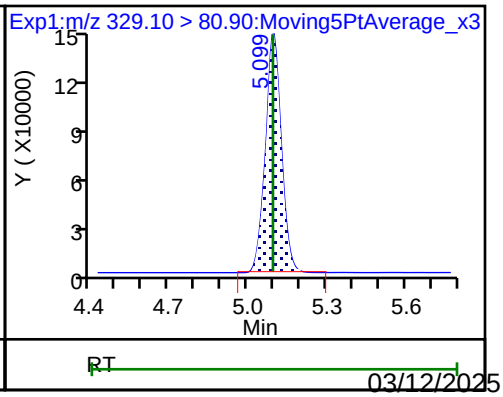
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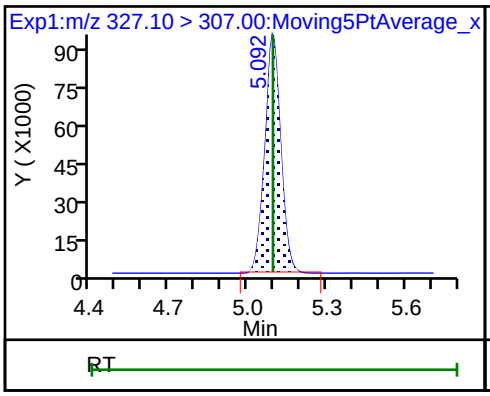
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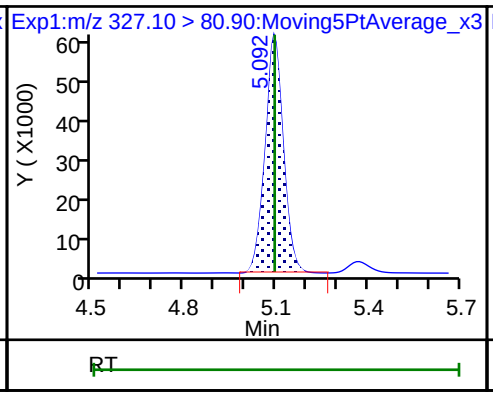
D 13 13C2-4:2FTS



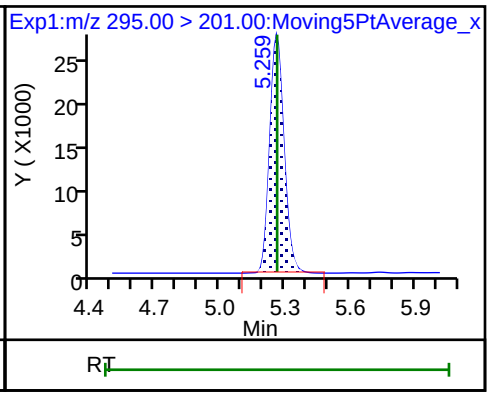
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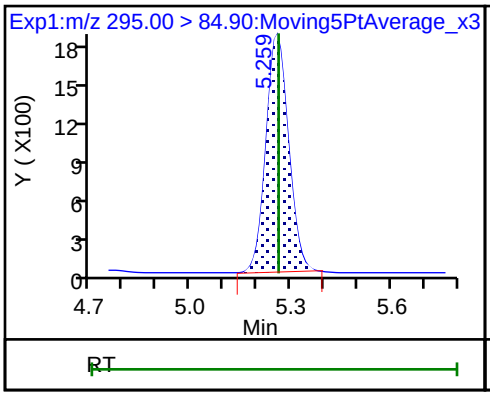
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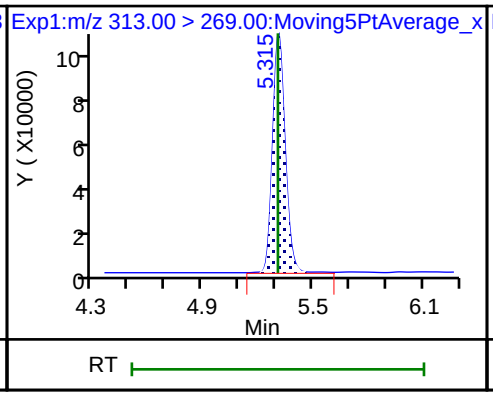
14 NFDHA



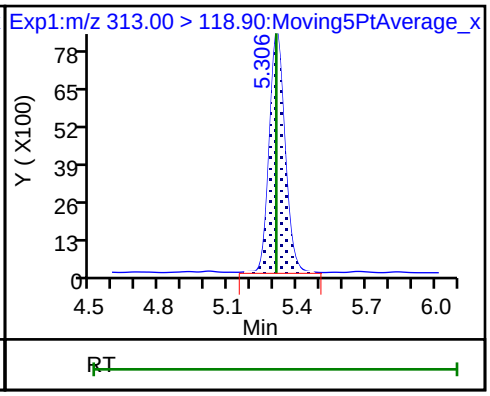
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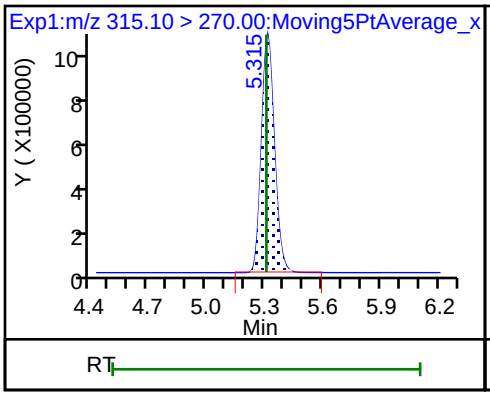
16 PFHxA



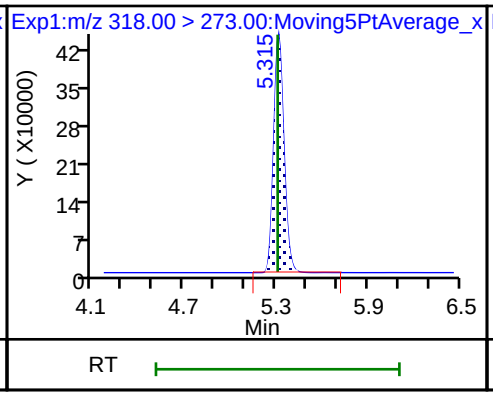
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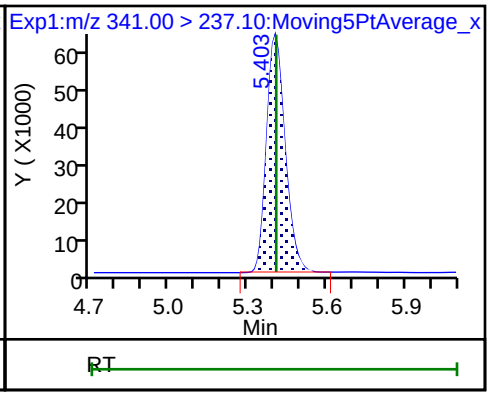
* 15 13C2 PFHxA



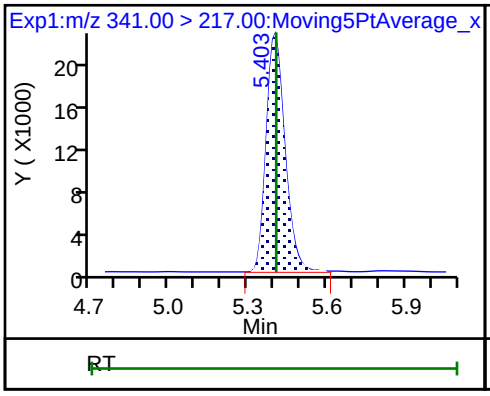
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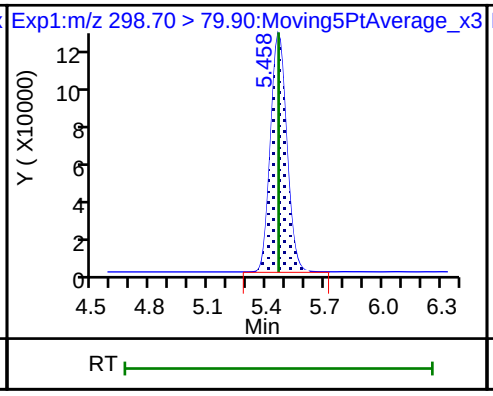
18 5:3 FTCA



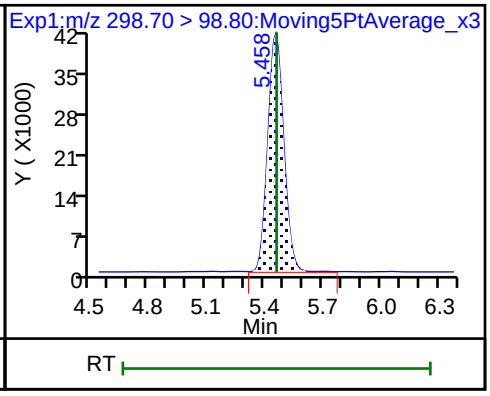
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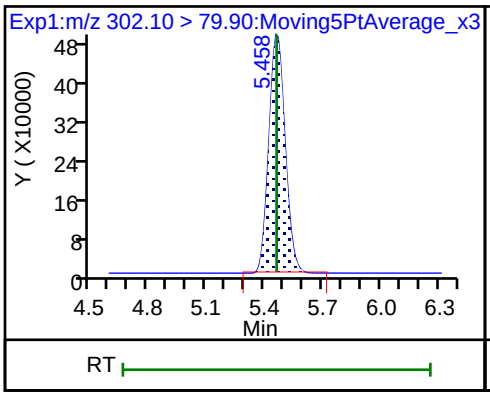
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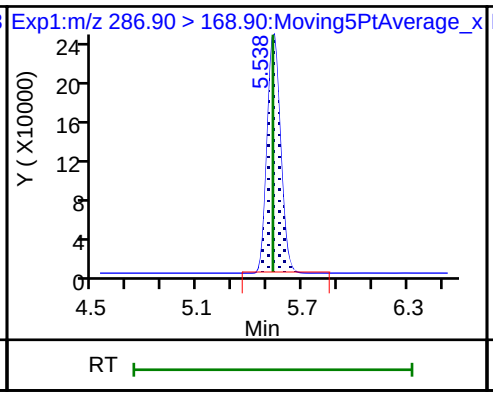
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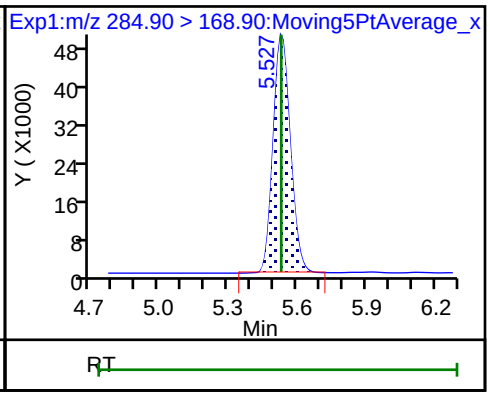
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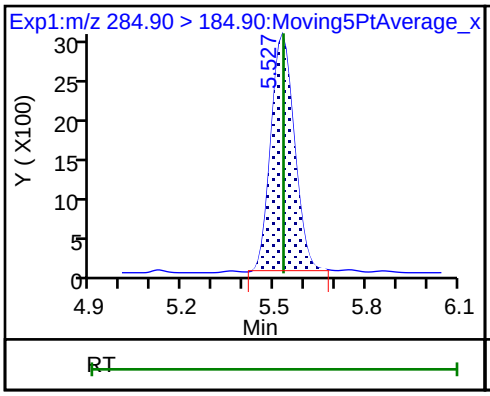
D 22 13C3 HFPO-DA



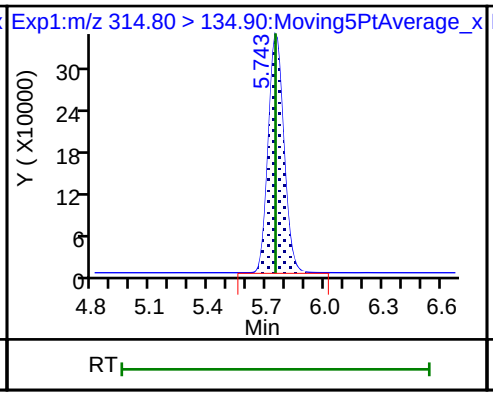
21 HFPO-DA



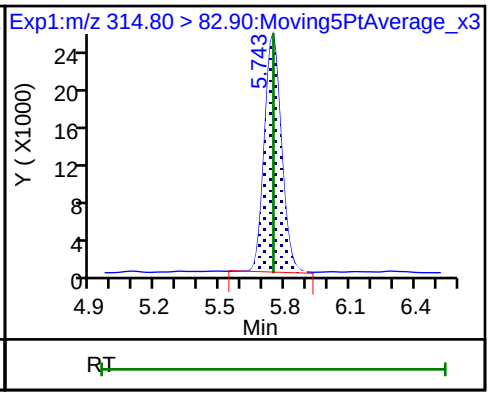
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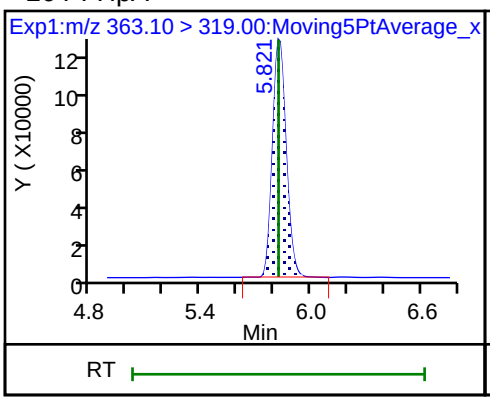
24 PFEESA



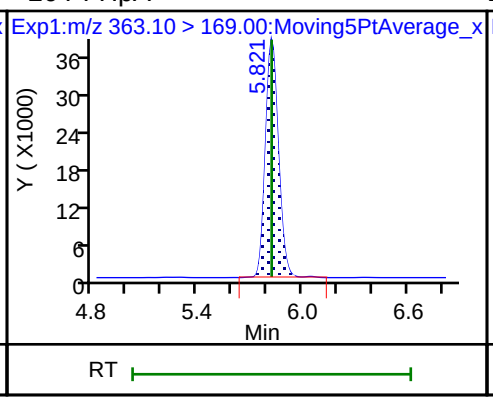
24 PFEESA



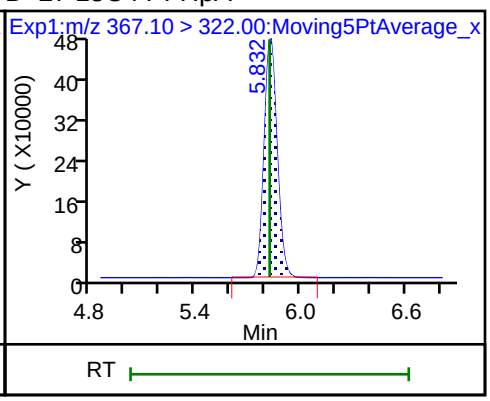
26 PFHpA



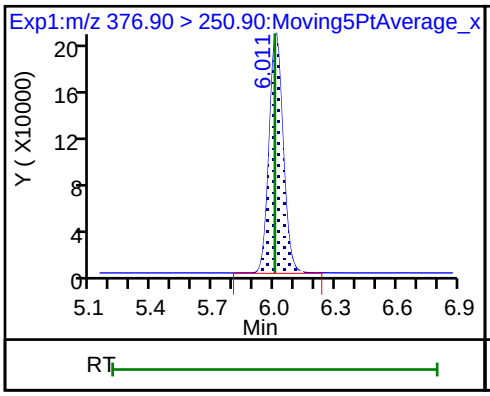
26 PFHpA



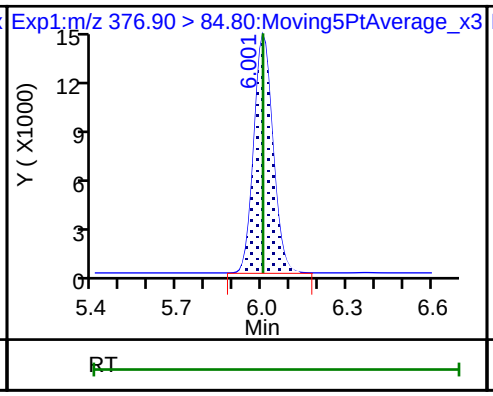
D 27 13C4 PFHpA



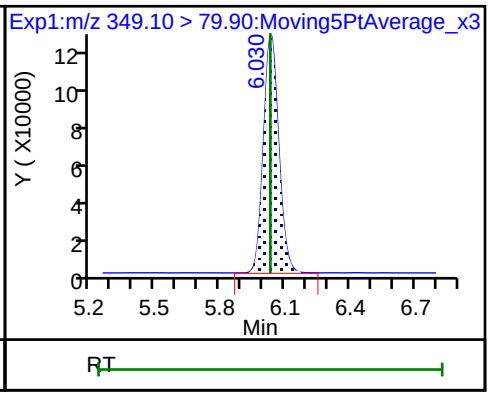
28 ADONA



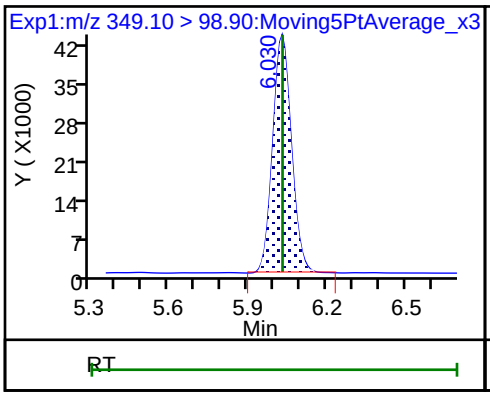
28 ADONA



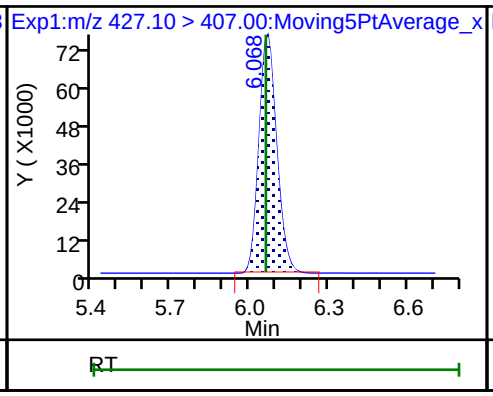
29 PFPeS



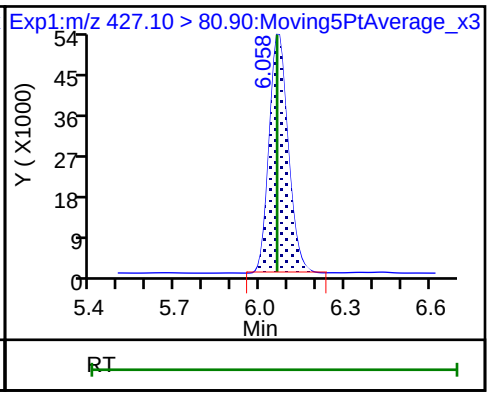
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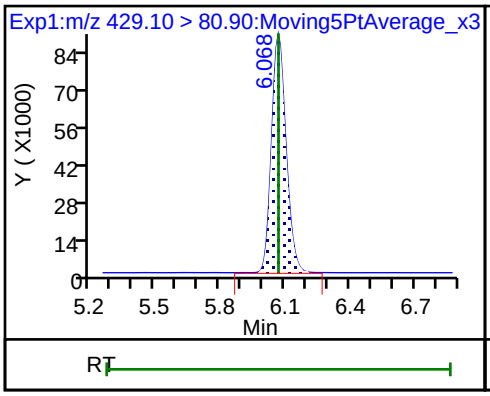
30 6:2FTS



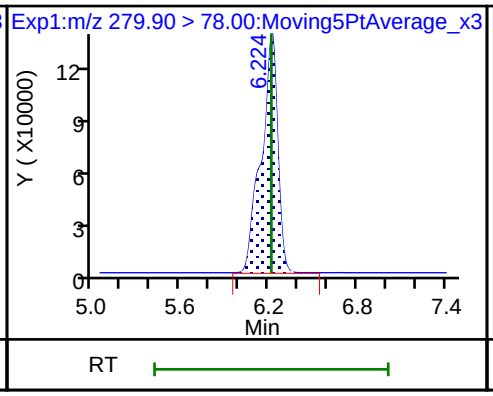
30 6:2FTS



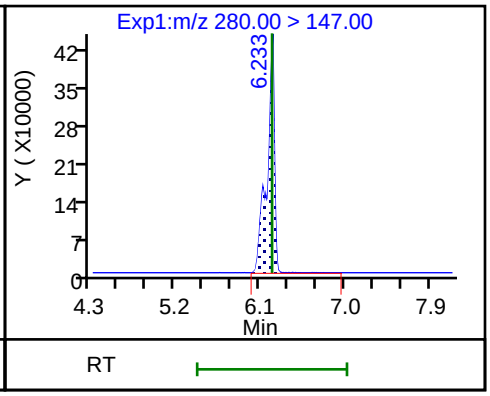
D 31 13C2-6:2FTS



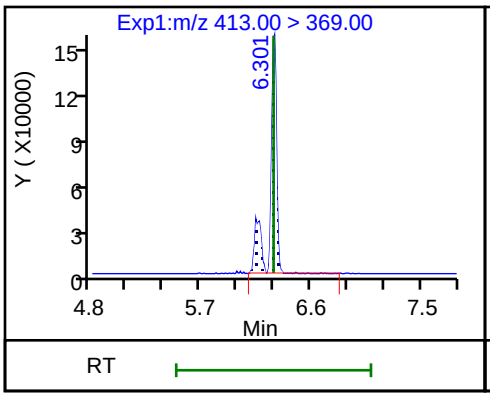
33 FBSA



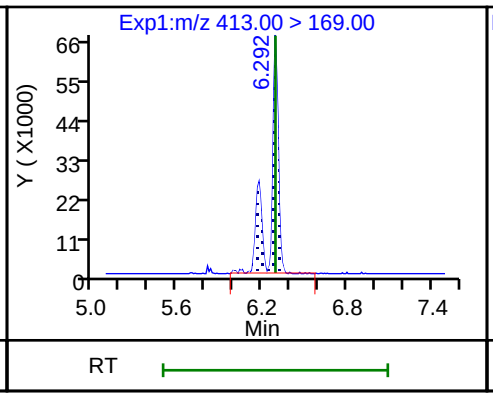
32 BTS



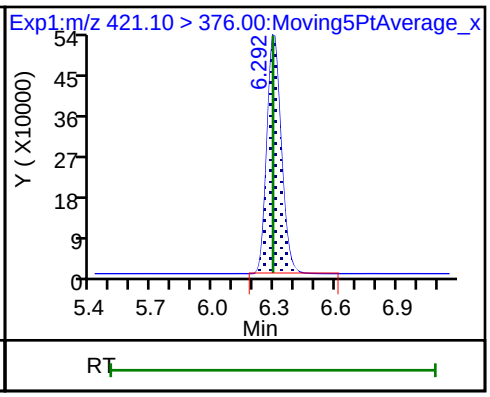
36 PFOA



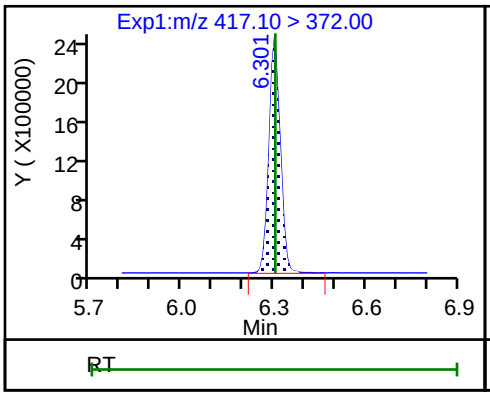
36 PFOA



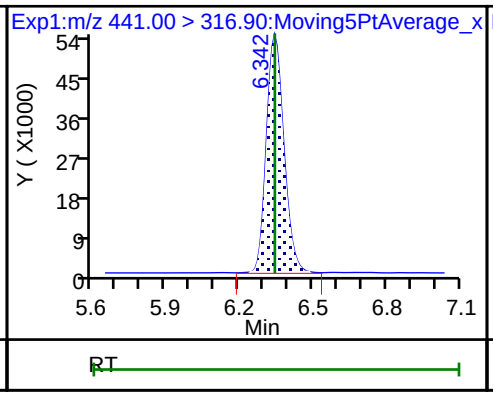
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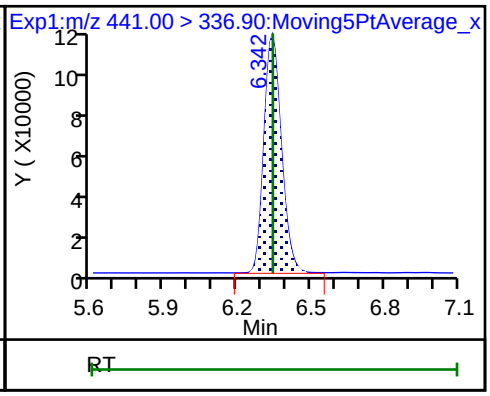
* 35 13C4 PFOA



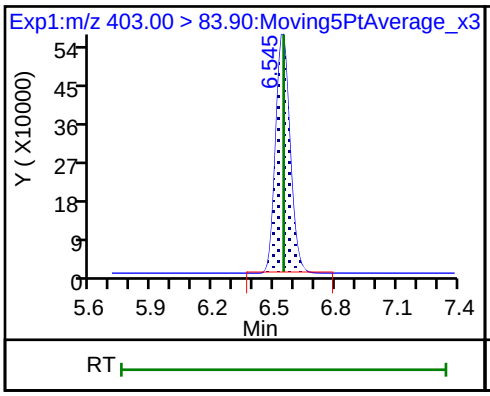
37 7:3 FTCA



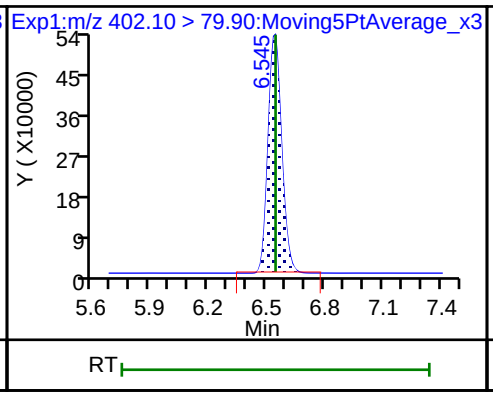
37 7:3 FTCA



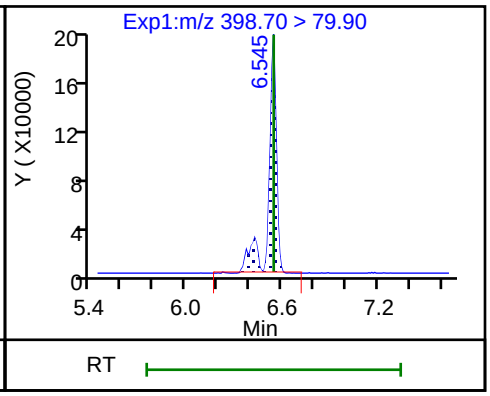
* 38 18O2 PFHxS



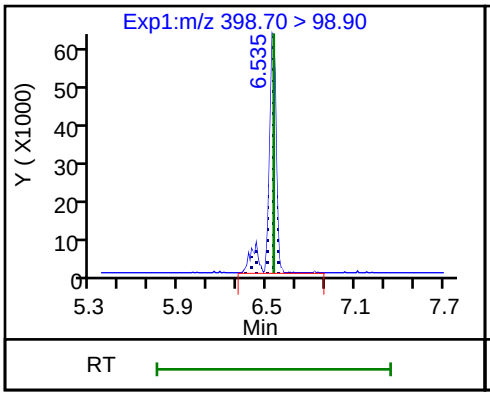
D 39 13C3 PFHxS



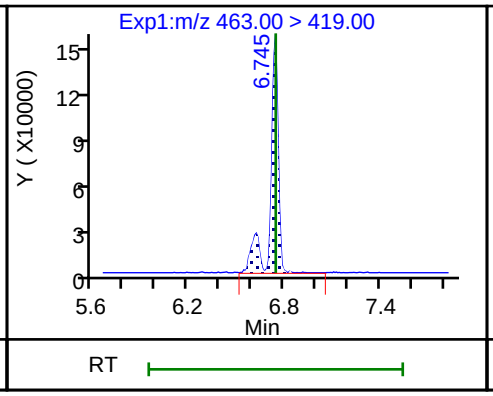
40 PFHxS



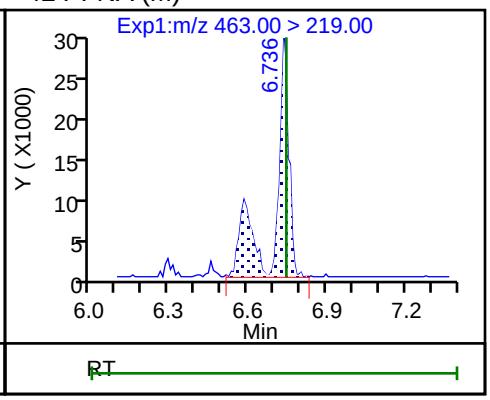
40 PFHxS



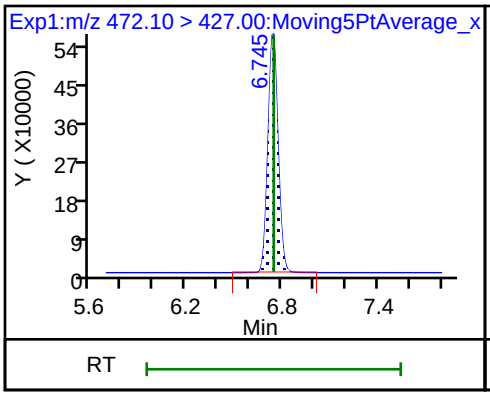
42 PFNA



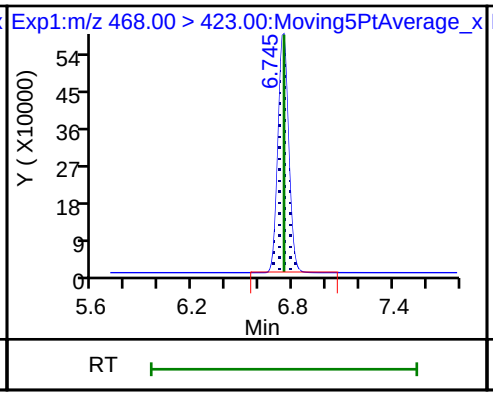
42 PFNA (M)



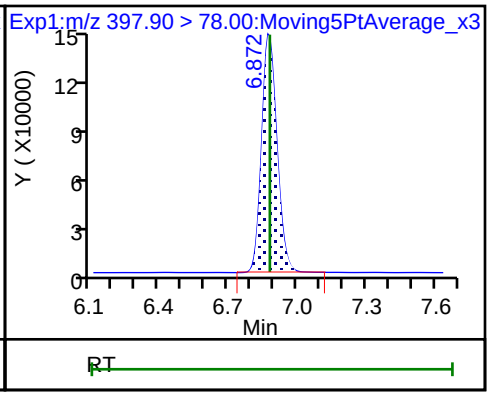
D 41 13C9 PFNA



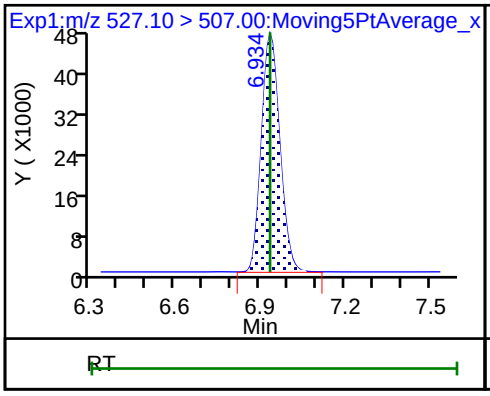
* 43 13C5 PFNA



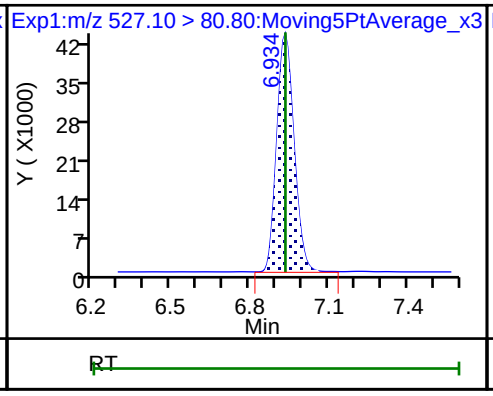
48 FHxSA



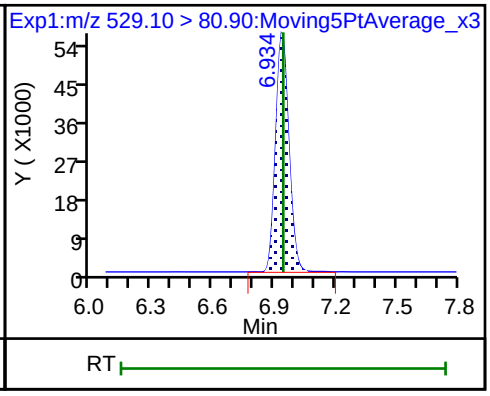
44 8:2FTS



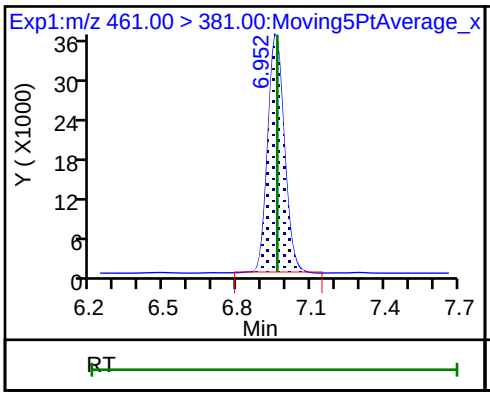
44 8:2FTS



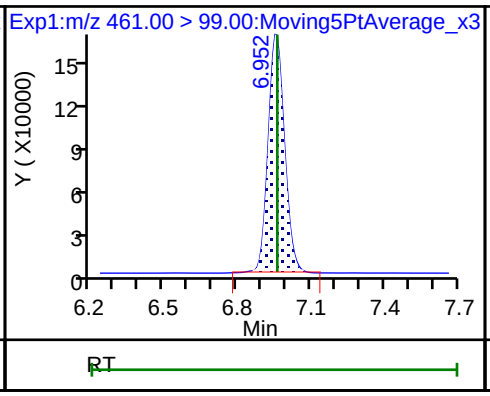
D 45 13C2-8:2FTS



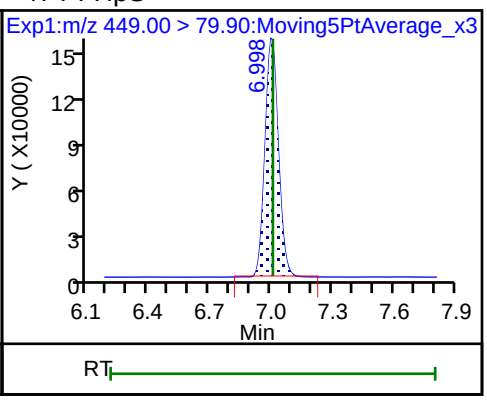
46 PFECHS



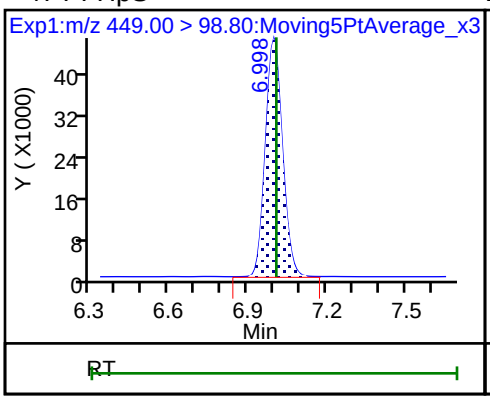
46 PFECHS



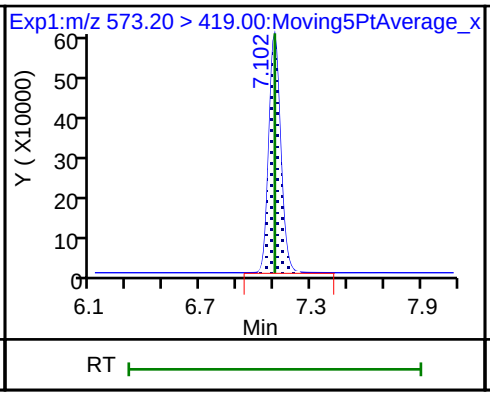
47 PFHpS



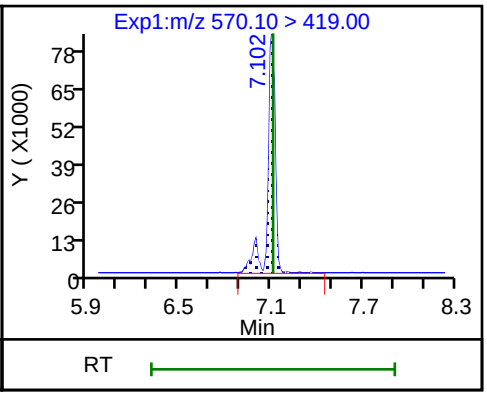
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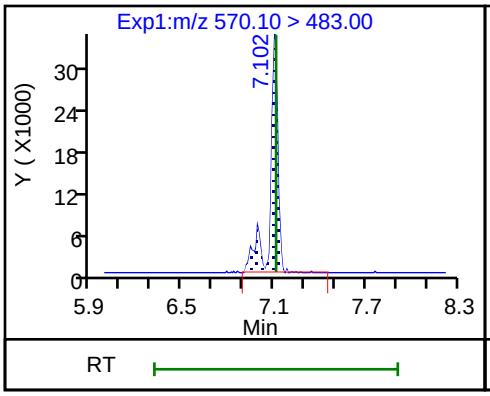
D 50 d3-NMeFOSAA



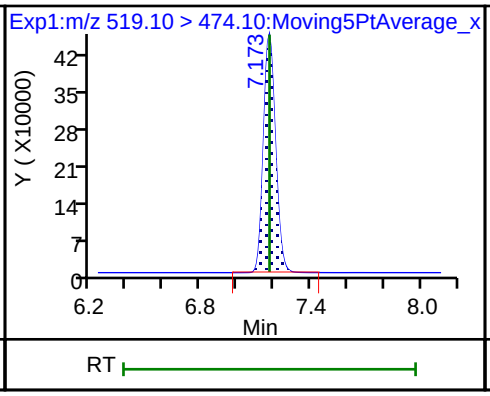
49 NMeFOSAA



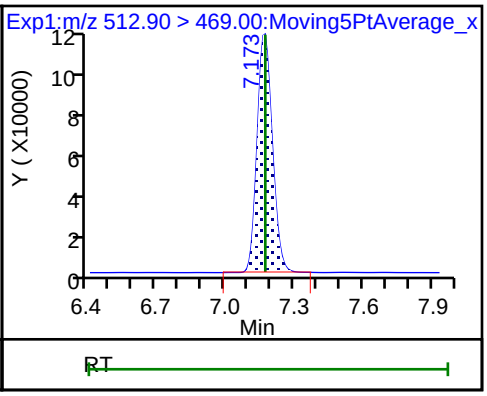
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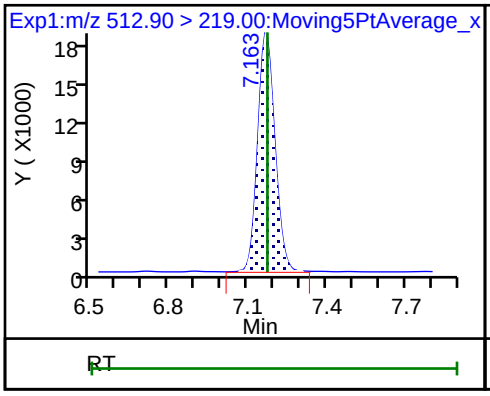
D 53 13C6 PFDA



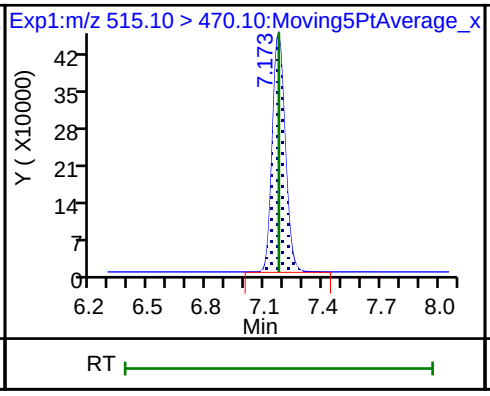
51 PFDA



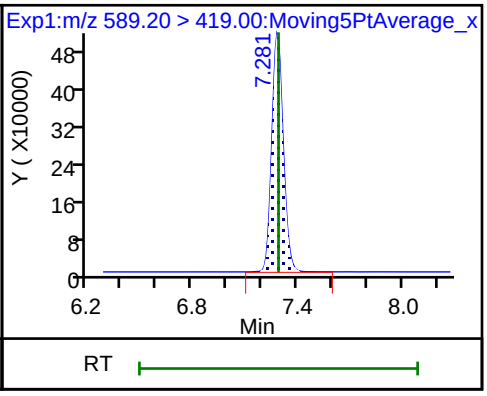
51 PFDA



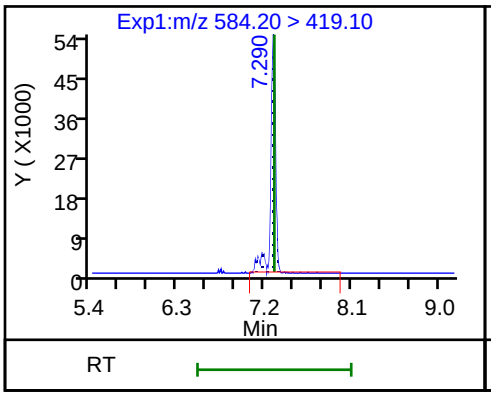
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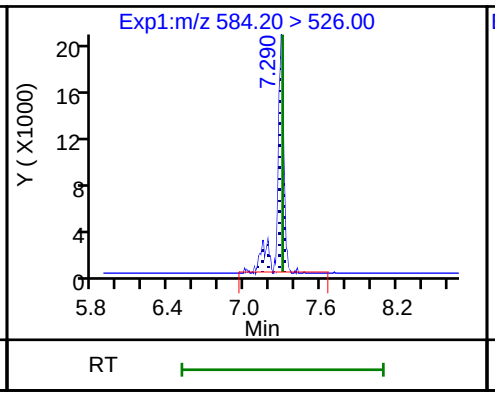
D 54 d5-NEtFOSAA



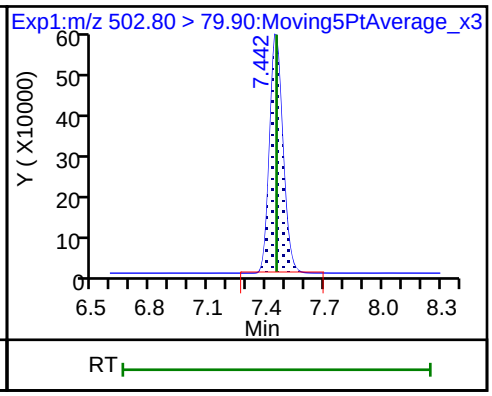
55 NEtFOSAA



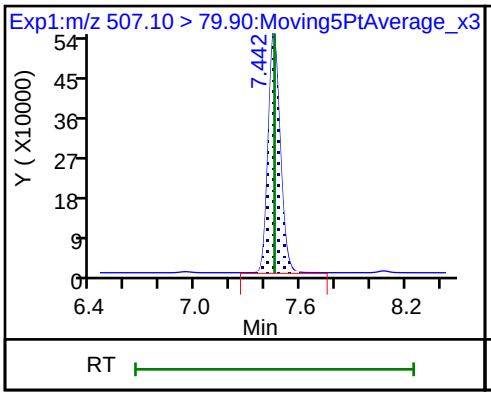
55 NEtFOSAA



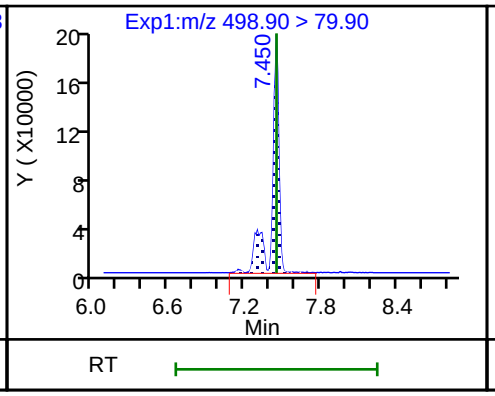
* 57 13C4 PFOS



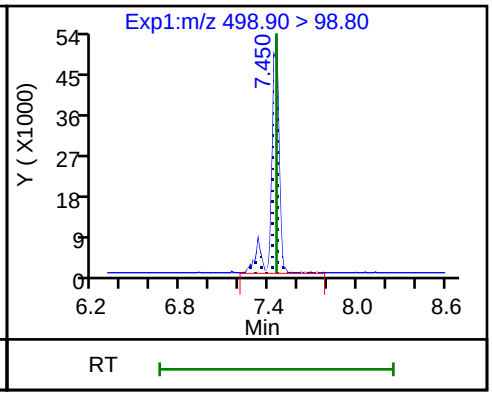
D 56 13C8 PFOS



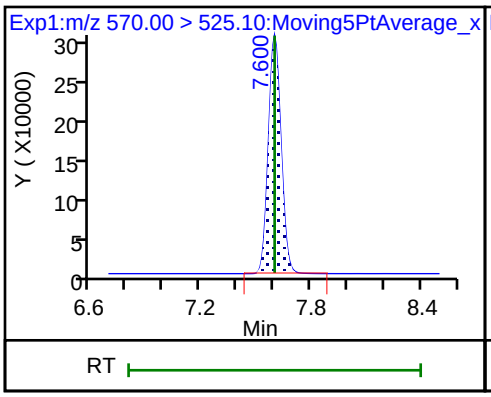
58 PFOS



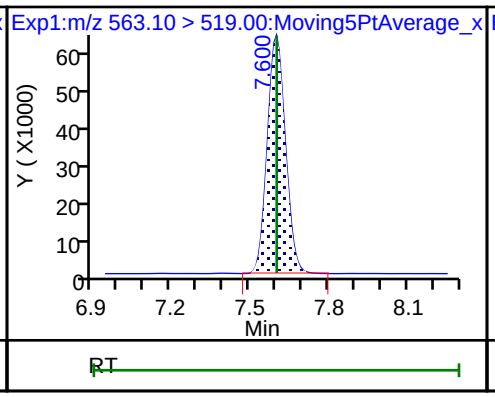
58 PFOS



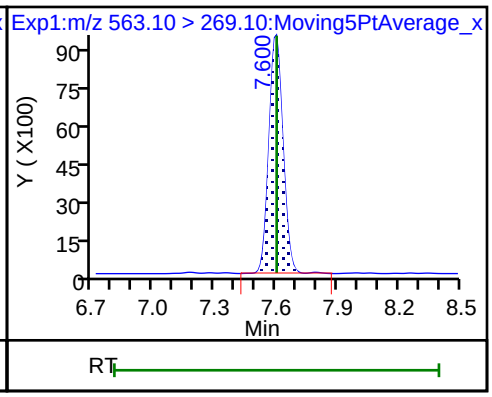
D 60 13C7 PFUnA



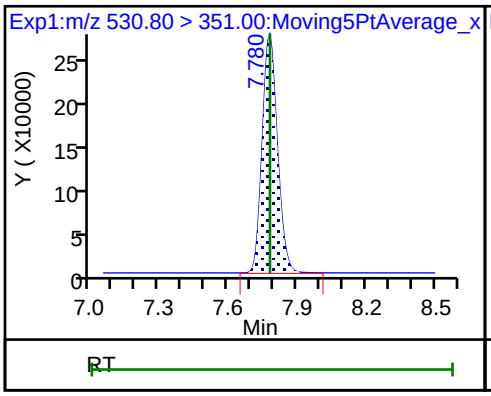
59 PFUnA



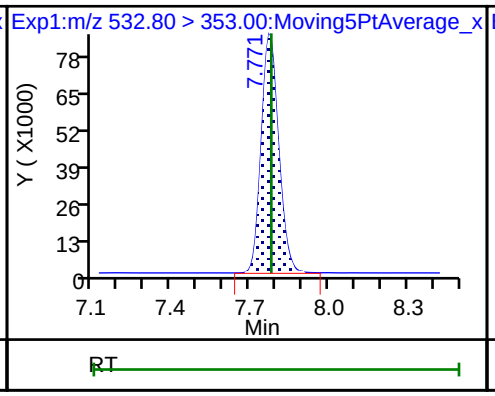
59 PFUnA



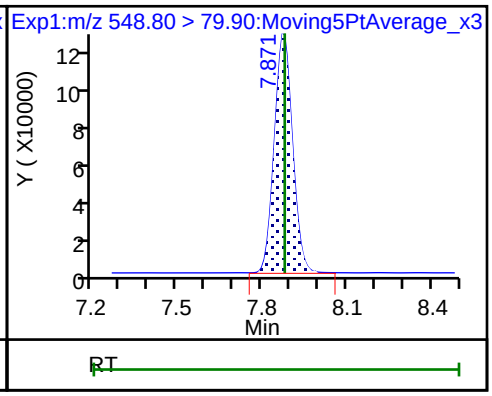
61 9ClFOS



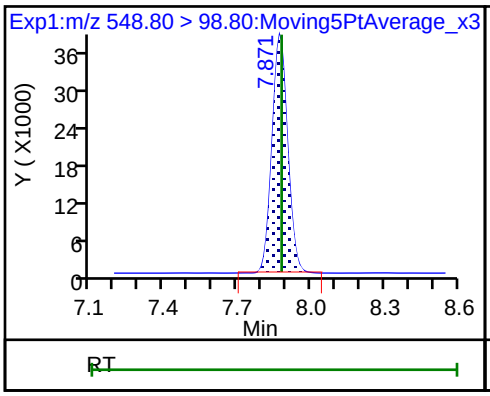
61 9ClFOS



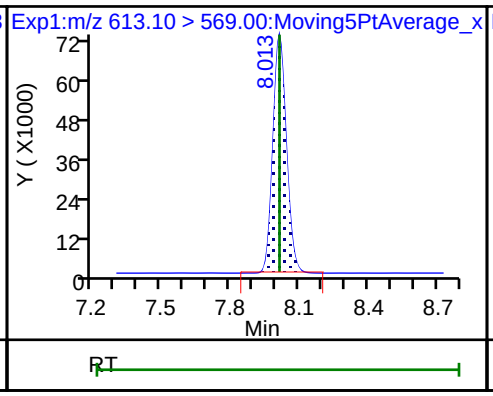
62 PFNS



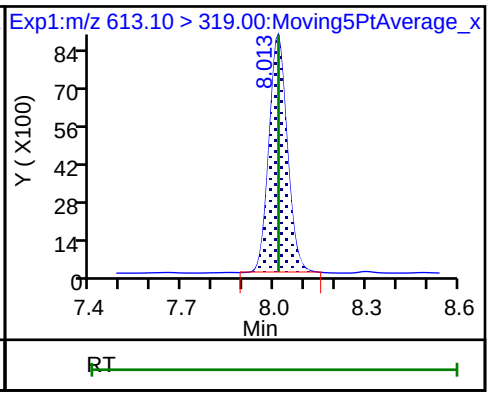
62 PFNS



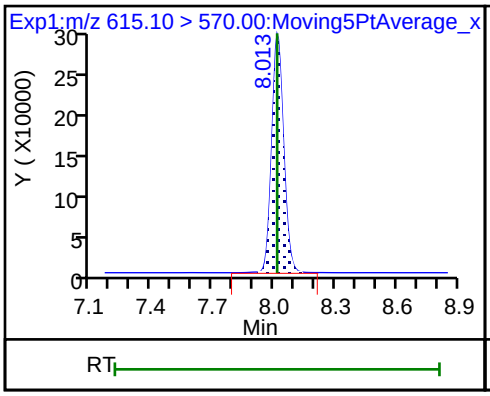
63 PFDoA



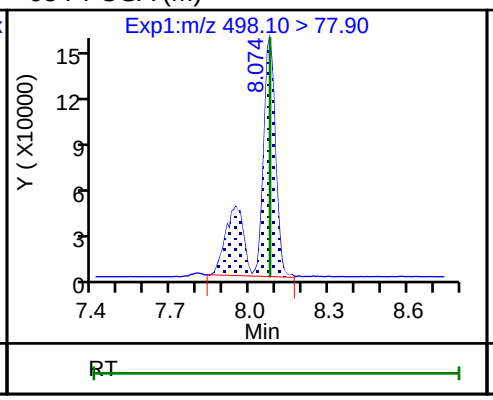
63 PFDoA



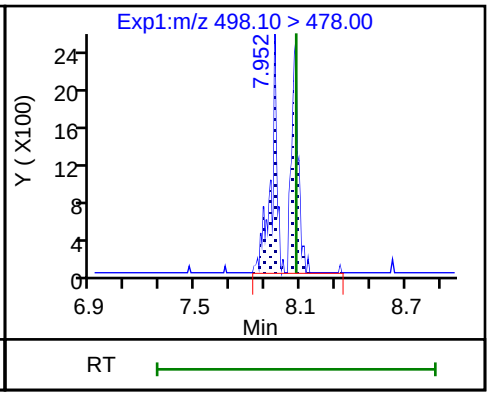
D 64 PFDoA



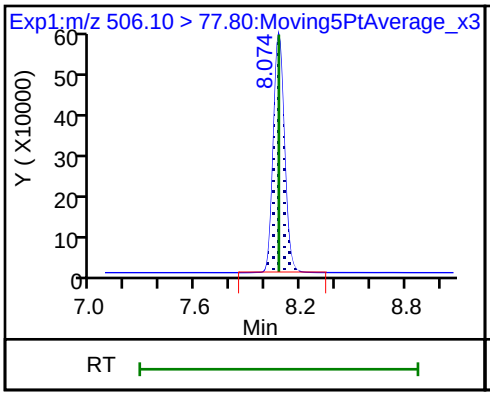
65 PFOSA (M)



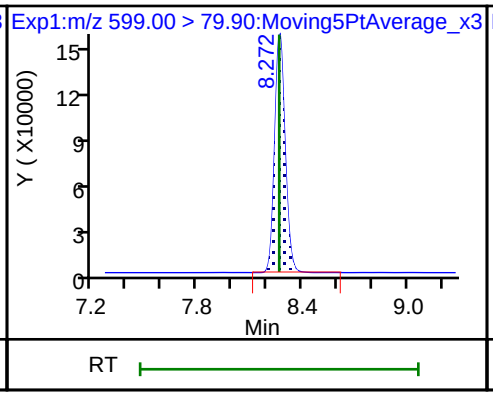
65 PFOSA



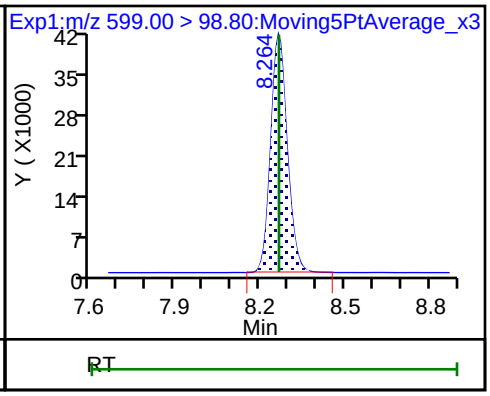
D 66 13C8 FOSA



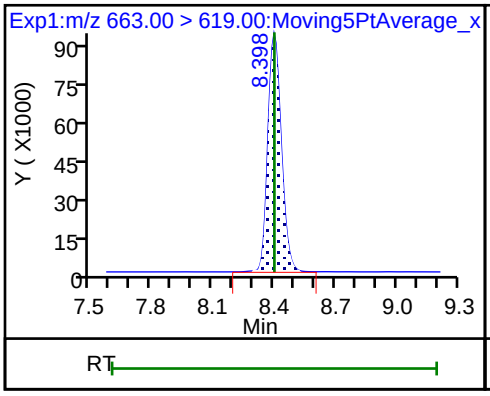
67 PFDS



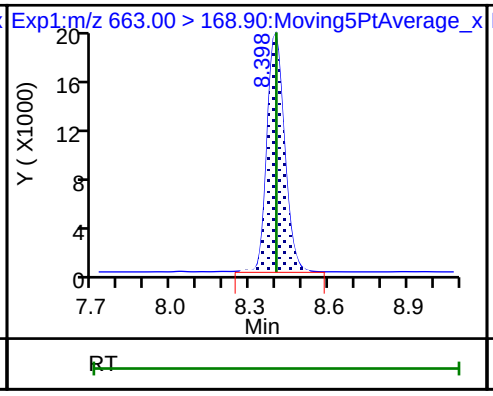
67 PFDS



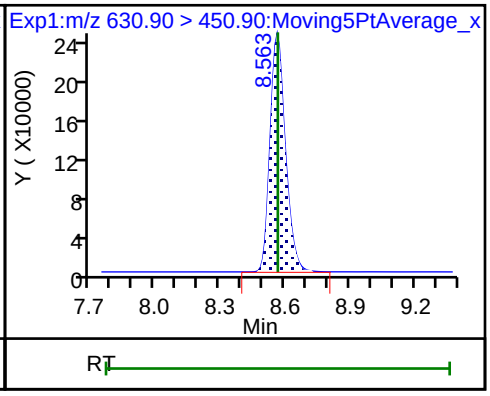
68 PFTrDA



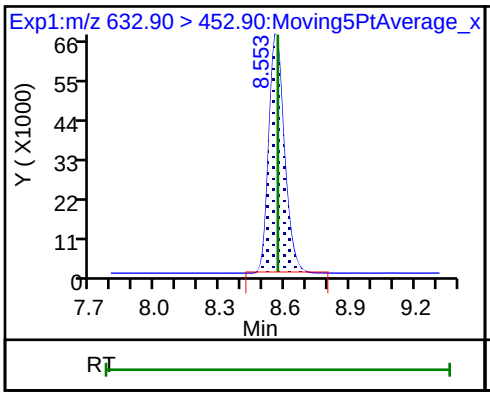
68 PFTrDA



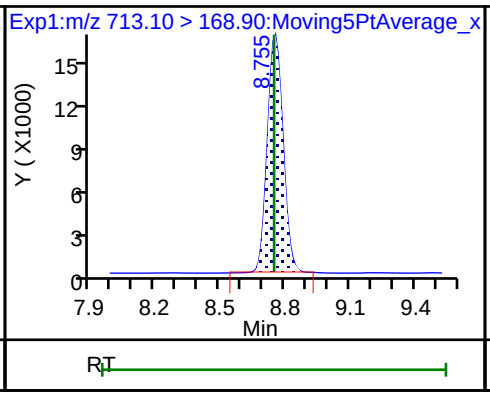
69 11ClFOS



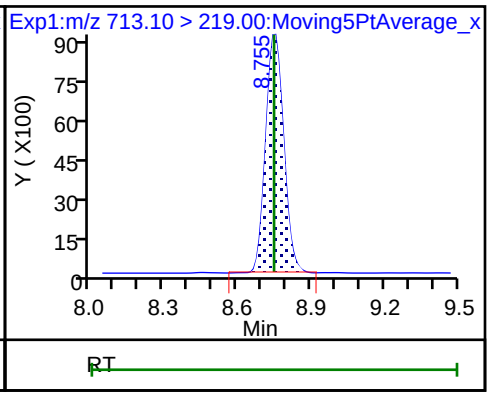
69 11ClFOS



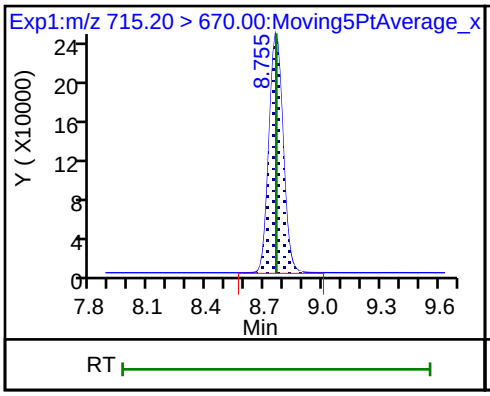
70 PFTeDA



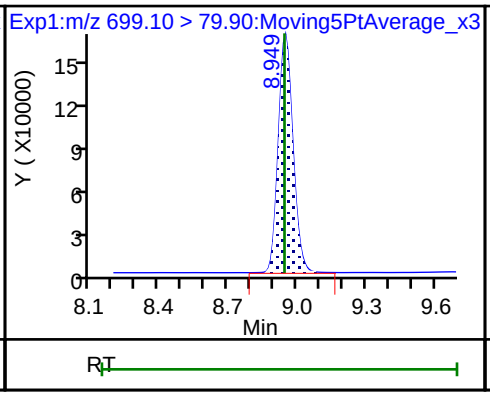
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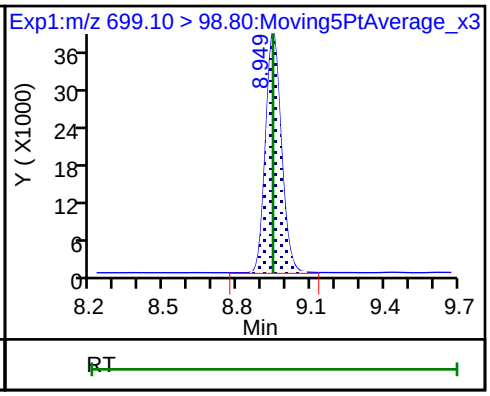
D 71 13C2 PFTeDA



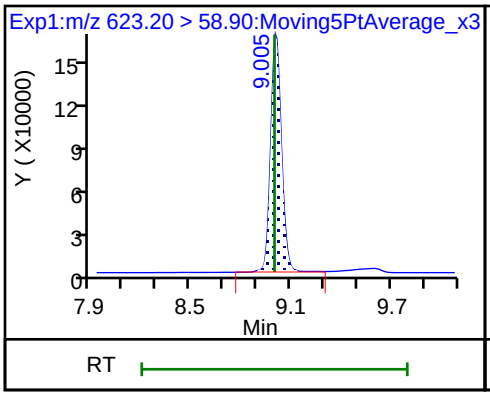
72 PFDoS



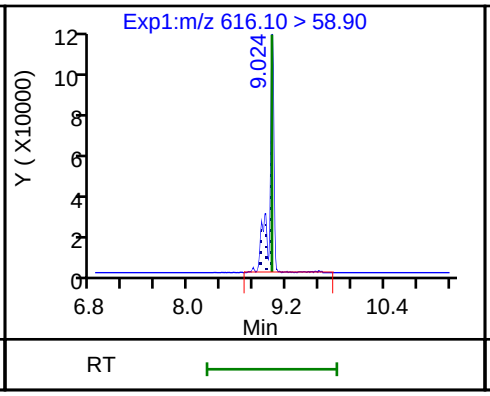
72 PFDoS



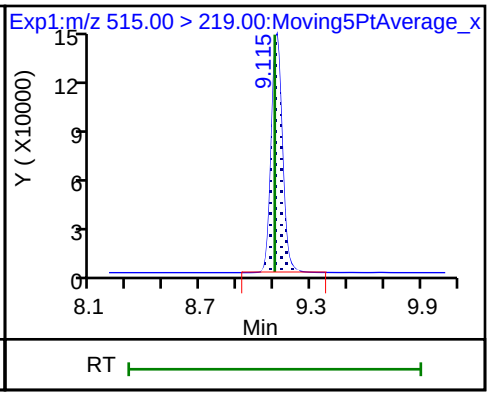
D 73 d7-N-Me-FOSE



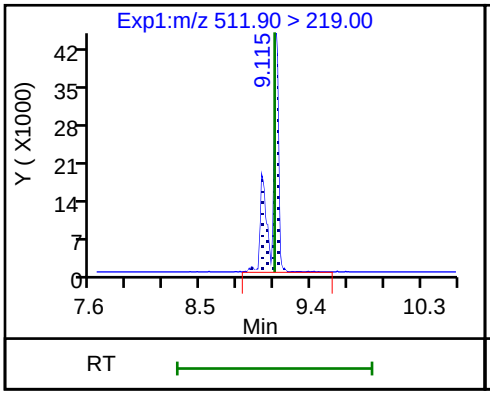
74 N-MeFOSE-M



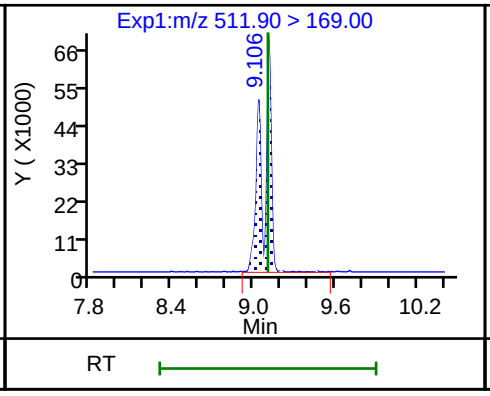
D 75 d3-NMePFOSA



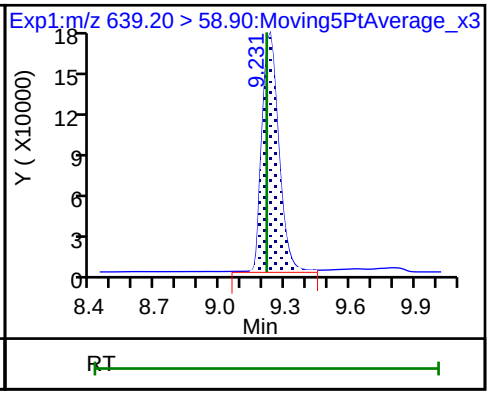
76 NMeFOSA



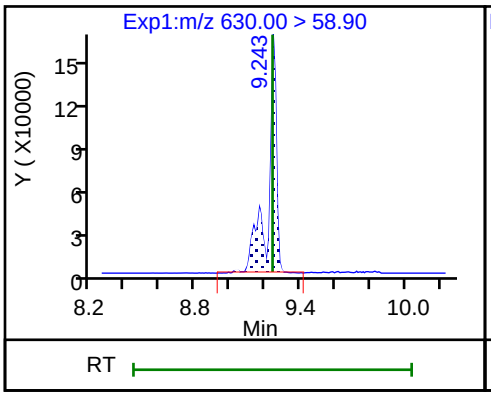
76 NMeFOSA



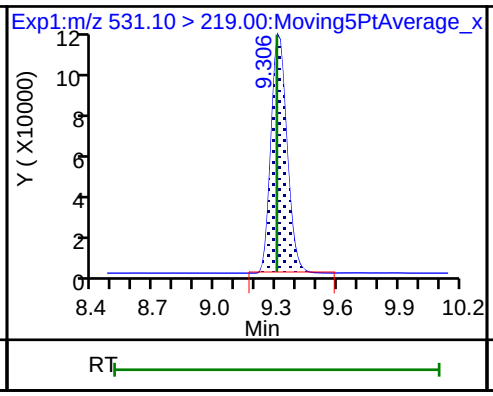
D 77 d9-N-EtFOSE



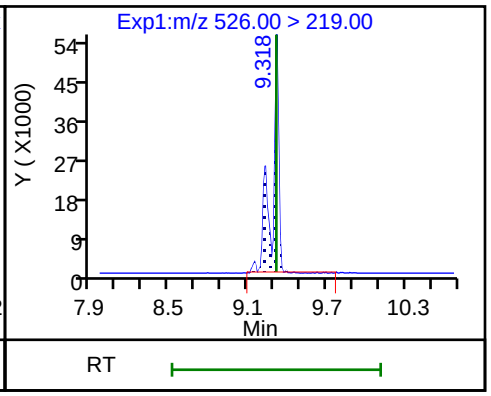
78 N-EtFOSE-M



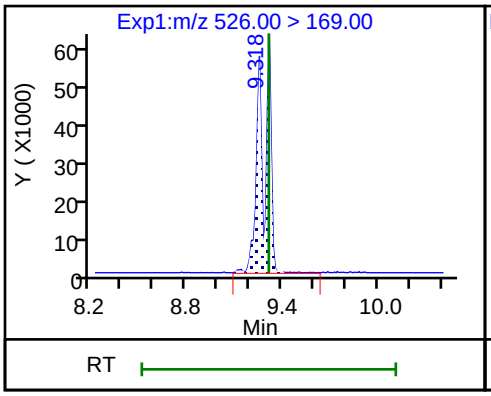
D 79 d5-NEtPFOSA



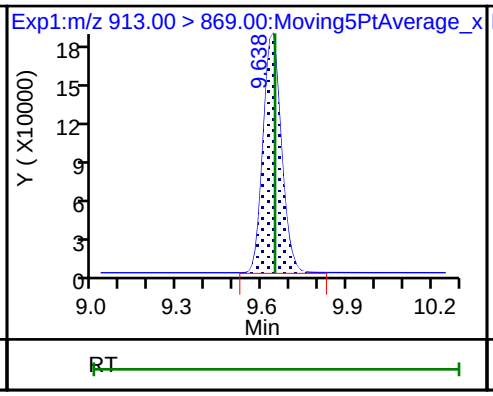
80 N-EtFOSA-M



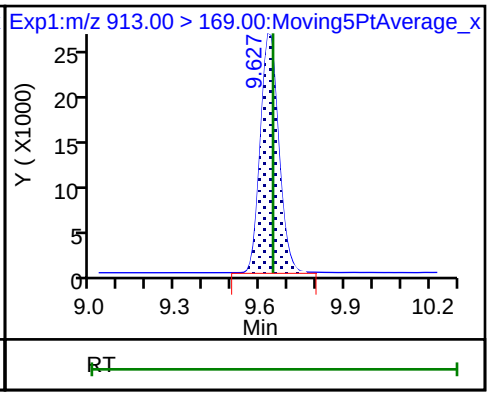
80 N-EtFOSA-M



81 Perfluorooctadecanoic acid



81 Perfluorooctadecanoic acid



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-04.d
Lims ID: IC CAL 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 27-Feb-2025 15:53:17 ALS Bottle#: 20005 Worklist Smp#: 4
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: IC CAL 4
Misc. Info.: Plate: 1 Rack: 1 410-0139404-004
Operator ID: US19_USR_INS00012E Instrument ID: 29347
Sublist: chrom-29347_1633Final*sub1

Method: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\29347_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 27-Feb-2025 19:05:14 Calib Date: 27-Feb-2025 16:49:35
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1602

First Level Reviewer: LDU5 Date: 27-Feb-2025 17:41:25
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C3PFPrA										
166.00 > 121.00	1.840	1.839	0.001	0.444	1126956	2.13		107	263	
2 Perfluoropropionic acid										
163.00 > 119.00	1.849	1.848	0.001	1.005	2875072	4.86		97.3	39.5	
D 4 13C4-PFBA										
216.80 > 171.90	4.148	4.141	0.007	1.000	2496060	2.01		100	74176	
3 PFBA										
212.80 > 168.90	4.148	4.141	0.007	1.000	2333145	1.92		96.2	8177	
* 5 13C3PFBA										
216.00 > 172.00	4.148	4.141	0.007		2167404	2.00			714	
7 PFMPA										
229.00 > 84.90	4.392	4.385	0.007	0.922	1032837	0.9584		95.8	37903	
6 3:3 FTCA										
241.00 > 177.00	4.401	4.385	0.015	0.924	126809	1.90	Target=1.12	95.0	10453	
241.00 > 117.00	4.392	4.385	0.007	0.922	113369		1.12(0.56-1.67)	95.0	1736	
8 PFPA										
263.00 > 219.00	4.763	4.742	0.021	1.000	829709	0.99		99.4	17729	
D 9 13C5 PFPeA										
268.30 > 223.00	4.763	4.753	0.010	0.894	1036716	2.00		100	50326	
10 PFMBA										
279.00 > 85.10	4.943	4.932	0.011	1.038	914713	0.9866		98.7	45388	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.109	5.094	0.015	0.781	576916	4.38		93.4	27838	
11 4:2FTS										
327.10 > 307.00	5.102	5.094	0.008	0.999	762538	1.83	Target=1.53	97.9	61318	
327.10 > 80.90	5.102	5.094	0.008	0.999	489319		1.56(0.76-2.29)	97.9	9858	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.272	5.263	0.009	0.990	273172	0.9825	Target=17.76	98.3	19618	
295.00 > 84.90	5.272	5.263	0.009	0.990	15006		18.20(8.88-26.65)	98.3	1088	
16 PFHxA										
313.00 > 269.00	5.317	5.308	0.009	0.998	1028455	0.9867	Target=12.95	98.7	21945	
313.00 > 118.90	5.317	5.308	0.009	0.998	75742		13.58(6.47-19.42)	98.7	5334	
* 15 13C2 PFHxA										
315.10 > 270.00	5.327	5.308	0.019		5008041	5.00			153070	
D 17 13C5 PFHxA										
318.00 > 273.00	5.327	5.308	0.019	1.000	2182708	2.02		101	93672	
18 5:3 FTCA										
341.00 > 237.10	5.417	5.407	0.010	1.017	714329	4.89	Target=2.90	97.7	23731	
341.00 > 217.00	5.407	5.407	0.0	1.015	237047		3.01(1.45-4.35)	97.7	15808	
19 PFBS										
298.70 > 79.90	5.473	5.461	0.012	1.000	1434907	0.8395	Target=3.01	94.5	62868	
298.70 > 98.80	5.461	5.461	0.0	0.998	485655		2.95(1.51-4.52)	94.5	21520	
D 20 13C3 PFBS										
302.10 > 79.90	5.473	5.461	0.012	0.836	2917755	1.82		97.9	128365	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.541	5.530	0.011	1.040	1353362	1.94		97.2	64832	
21 HFPO-DA										
284.90 > 168.90	5.541	5.530	0.011	1.000	572655	0.7380	Target=15.29	98.4	15755	
284.90 > 184.90	5.541	5.530	0.011	1.000	36768		15.57(7.65-22.94)	98.4	2307	
24 PFEESA										
314.80 > 134.90	5.756	5.745	0.011	1.081	3998370	0.8353	Target=13.00	93.6	244226	
314.80 > 82.90	5.745	5.745	0.0	1.079	302806		13.20(6.50-19.50)	93.6	7874	
26 PFHpA										
363.10 > 319.00	5.834	5.823	0.011	1.000	1329052	0.9660	Target=3.19	96.6	37582	
363.10 > 169.00	5.834	5.823	0.011	1.000	413625		3.21(1.60-4.79)	96.6	26916	
D 27 13C4 PFHpA										
367.10 > 322.00	5.834	5.823	0.011	1.095	2674976	2.02		101	131948	
28 ADONA										
376.90 > 250.90	6.012	6.002	0.010	1.085	2065274	0.9194	Target=14.18	97.2	146045	
376.90 > 84.80	6.012	6.002	0.010	1.085	152384		13.55(7.09-21.26)	97.2	10917	
29 PFPeS										
349.10 > 79.90	6.041	6.031	0.009	0.923	1352876	0.9455	Target=2.90	101	70068	
349.10 > 98.90	6.041	6.031	0.009	0.923	478408		2.83(1.45-4.36)	101	24335	
30 6:2FTS										
427.10 > 407.00	6.078	6.060	0.018	1.000	810052	1.89	Target=1.45	99.8	57617	
427.10 > 80.90	6.069	6.060	0.009	0.998	548349		1.48(0.72-2.17)	99.8	29243	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.078	6.069	0.009	0.929	433977	4.75		99.7	31099	
33 FBSA										
279.90 > 78.00	6.225	6.215	0.010	1.137	2219711	0.9889		98.9	101867	
32 BTS										
280.00 > 147.00	6.234	6.225	0.009	0.952	5004792	1.00		102	4518	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
36 PFOA										
413.00 > 369.00	6.312	6.293	0.019	1.001	1161908	1.01	Target=2.12	101	320318	
413.00 > 169.00	6.303	6.293	0.010	1.000	575726		2.02(1.06-3.17)	101	152789	
D 34 13C8 PFOA										
421.10 > 376.00	6.303	6.293	0.010	0.999	2511638	1.98		98.8	130010	
* 35 13C4 PFOA										
417.10 > 372.00	6.312	6.303	0.009		6269704	5.00			748432	
37 7:3 FTCA										
441.00 > 316.90	6.354	6.344	0.010	1.193	566911	4.83	Target=0.48	96.6	28619	
441.00 > 336.90	6.354	6.344	0.010	1.193	1199150		0.47(0.24-0.71)	96.6	48400	
* 38 18O2 PFHxS										
403.00 > 83.90	6.545	6.546	-0.001		2794286	1.89			191933	
D 39 13C3 PFHxS										
402.10 > 79.90	6.545	6.546	-0.001	1.000	2598681	1.79		94.6	106361	
40 PFHxS										
398.70 > 79.90	6.545	6.546	-0.001	1.000	1367652	0.9455	Target=2.92	104	1905	
398.70 > 98.90	6.545	6.546	-0.001	1.000	462970		2.95(1.46-4.39)	104	842	
* 43 13C5 PFNA										
468.00 > 423.00	6.745	6.746	-0.001		2665642	2.00			153837	
42 PFNA										M
463.00 > 419.00	6.745	6.746	-0.001	1.000	1128819	1.02	Target=5.06	102	353959	
463.00 > 219.00	6.745	6.746	-0.001	1.000	219847		5.13(2.53-7.59)	102	25331	M
D 41 13C9 PFNA										
472.10 > 427.00	6.745	6.746	-0.001	1.000	2568268	1.97		98.5	117635	
48 FHxSA										
397.90 > 78.00	6.898	6.880	0.018	1.054	1432653	1.01		101	59435	
44 8:2FTS										
527.10 > 507.00	6.944	6.935	0.010	1.000	454154	1.88	Target=1.11	98.3	33270	
527.10 > 80.80	6.944	6.935	0.010	1.000	401251		1.13(0.55-1.66)	98.3	22018	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.944	6.944	0.0	1.061	267739	4.67		97.2	19579	
46 PFECHS										
461.00 > 381.00	6.962	6.962	0.0	1.064	363733	0.9201	Target=0.23	99.6	25869	
461.00 > 99.00	6.962	6.962	0.0	1.064	1614776		0.23(0.12-0.34)	99.6	85381	
47 PFHpS										
449.00 > 79.90	7.007	7.007	0.0	0.940	1509825	0.9494	Target=3.38	99.5	67427	
449.00 > 98.80	7.007	7.007	0.0	0.940	436135		3.46(1.69-5.07)	99.5	32280	
D 50 d3-NMeFOSAA										
573.20 > 419.00	7.111	7.102	0.009	0.954	2652090	4.64		92.9	148490	
49 NMeFOSAA										
570.10 > 419.00	7.111	7.111	0.0	1.000	583900	1.05	Target=2.33	105	883	
570.10 > 483.00	7.111	7.111	0.0	1.000	258326		2.26(1.16-3.49)	105	417	
D 53 13C6 PFDA										
519.10 > 474.10	7.183	7.173	0.010	1.000	2245741	1.97		98.3	124224	
51 PFDA										
512.90 > 469.00	7.183	7.173	0.010	1.000	1143168	0.9672	Target=6.26	96.7	50046	
512.90 > 219.00	7.173	7.173	0.0	0.999	185726		6.16(3.13-9.39)	96.7	13439	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 52 13C2 PFDA										
515.10 > 470.10	7.183	7.173	0.010		2229851	2.00			122230	
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.291	7.291	0.0	0.979	2423966	4.94		98.7	132685	
55 NEtFOSAA										
584.20 > 419.10	7.299	7.299	0.0	1.001	409453	1.02	Target=2.76	102	128043	
584.20 > 526.00	7.291	7.299	-0.008	1.000	147357		2.78(1.38-4.14)	102	218	
* 57 13C4 PFOS										
502.80 > 79.90	7.451	7.451	0.0		2997607	1.91			126405	
D 56 13C8 PFOS										
507.10 > 79.90	7.451	7.451	0.0	1.000	2748795	1.86		97.5	17601	
58 PFOS										
498.90 > 79.90	7.461	7.451	0.010	1.001	1538958	0.9290	Target=3.93	99.9	102249	
498.90 > 98.80	7.451	7.451	0.0	1.000	392758		3.92(1.97-5.89)	99.9	956	
D 60 13C7 PFUnA										
570.00 > 525.10	7.611	7.601	0.010	1.060	1560243	1.92		95.8	108892	
59 PFUnA										
563.10 > 519.00	7.601	7.601	0.0	0.999	649235	0.9388	Target=6.78	93.9	33594	
563.10 > 269.10	7.601	7.601	0.0	0.999	100257		6.48(3.39-10.17)	93.9	5147	
61 9ClFOS										
530.80 > 351.00	7.780	7.780	0.0	1.404	2662082	0.9176	Target=3.19	98.2	193654	
532.80 > 353.00	7.780	7.780	0.0	1.404	841087		3.17(1.59-4.78)	98.2	61505	
62 PFNS										
548.80 > 79.90	7.880	7.880	0.0	1.058	1200907	0.9354	Target=3.47	97.2	54993	
548.80 > 98.80	7.871	7.880	-0.009	1.056	338242		3.55(1.73-5.20)	97.2	25242	
63 PFDoA										
613.10 > 569.00	8.014	8.013	0.001		629665	0.9700	Target=8.09	97.0	51225	
613.10 > 319.00	8.014	8.013	0.001		72271		8.71(4.04-12.13)	97.0	5793	
D 64 PFDoA										
615.10 > 570.00	8.021	8.013	0.008	1.117	1218711	1.85		92.7	98421	
65 PFOSA										
498.10 > 77.90	8.099	8.075	0.024	1.001	1470453	0.9853	Target=54.30	98.5	1867	
498.10 > 478.00	8.091	8.075	0.016	1.000	25255		58.22(27.15-81.45)	98.5	56.7	
D 66 13C8 FOSA										
506.10 > 77.80	8.091	8.075	0.016	1.086	2734066	1.93		96.5	103040	
67 PFDS										
599.00 > 79.90	8.274	8.266	0.008	1.110	1334381	0.9376	Target=3.76	97.3	81023	
599.00 > 98.80	8.266	8.266	0.0	1.109	356343		3.74(1.88-5.63)	97.3	28973	
68 PFTrDA										
663.00 > 619.00	8.400	8.400	0.0	0.959	882727	0.9459	Target=4.44	94.6	62903	
663.00 > 168.90	8.400	8.400	0.0	0.959	200463		4.40(2.22-6.65)	94.6	14518	
69 11ClFOS										
630.90 > 450.90	8.566	8.566	0.0	1.546	2730125	0.9743	Target=3.61	103	137198	
632.90 > 452.90	8.556	8.566	-0.010	1.544	732357		3.73(1.80-5.41)	103	48818	
70 PFTeDA										
713.10 > 168.90	8.760	8.749	0.012	1.000	168868	0.9314	Target=1.85	93.1	11105	
713.10 > 219.00	8.748	8.749	0.0	0.999	93927		1.80(0.93-2.78)	93.1	6113	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 71 13C2 PFTeDA										
715.20 > 670.00	8.760	8.760	0.0	1.220	1347327	1.94		97.0	89573	
72 PFDoS										
699.10 > 79.90	8.954	8.944	0.010	1.202	1605022	0.9774	Target=4.41	101	40086	
699.10 > 98.80	8.944	8.944	0.0	1.200	355299		4.52(2.20-6.61)	101	26775	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.010	9.001	0.009	1.209	787112	4.91		98.3	5476	
74 N-MeFOSE-M										
616.10 > 58.90	9.029	9.019	0.010	1.002	877223	4.81		96.3	2486	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.111	9.102	0.009	1.223	588180	1.88		94.1	35342	
76 NMeFOSA										
511.90 > 219.00	9.119	9.102	0.017	1.001	324323	0.9896	Target=0.56	99.0	1037	
511.90 > 169.00	9.111	9.102	0.009	1.000	598584		0.54(0.28-0.84)	99.0	1153	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.227	9.214	0.013	1.238	982156	4.90		98.1	3646	
78 N-EtFOSE-M										
630.00 > 58.90	9.252	9.239	0.013	1.003	1123749	4.88		97.5	3546	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.314	9.302	0.012	1.250	671529	1.92		96.1	25220	
80 N-EtFOSA-M										
526.00 > 219.00	9.327	9.315	0.012	1.001	406268	1.00	Target=0.74	100	2184	
526.00 > 169.00	9.314	9.315	-0.001	1.000	535867		0.76(0.37-1.12)	100	1414	
81 Perfluorooctadecanoic acid										
913.00 > 869.00	9.634	9.645	-0.011	1.100	1774902	0.9446	Target=7.28	94.5	66879	
913.00 > 169.00	9.634	9.645	-0.011	1.100	249747		7.11(3.64-10.91)	94.5	14021	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_CAL4_00033 Amount Added: 1.00 Units: mL

Report Date: 27-Feb-2025 19:05:15 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-04.d

Injection Date: 27-Feb-2025 15:53:17 Instrument ID: 29347

Lims ID: IC CAL 4

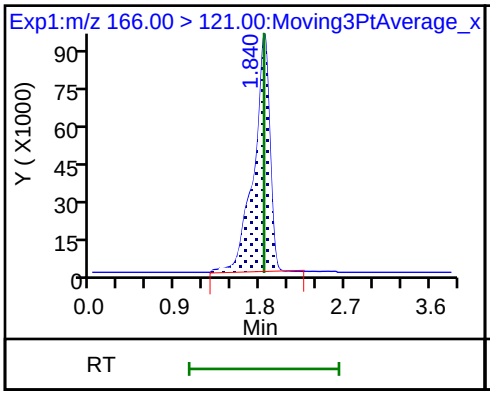
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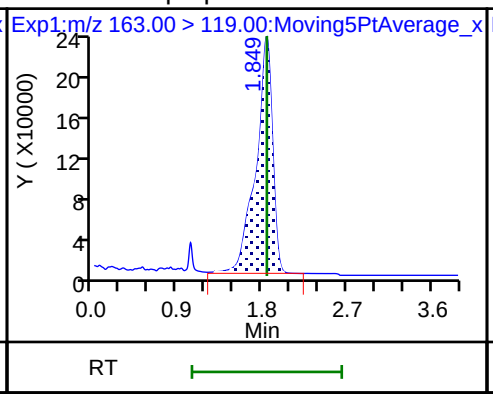
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Method: 29347_1633Final Limit Group: LC - 1633 LVI- ICAL

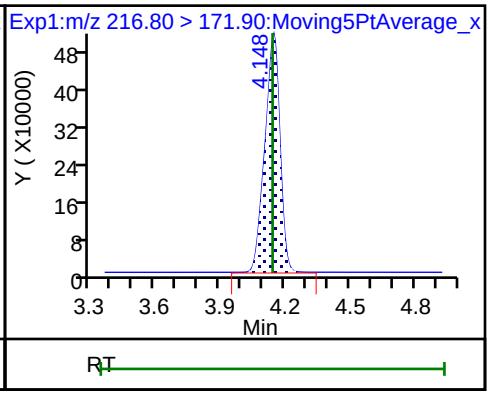
D 1 13C3PFPrA



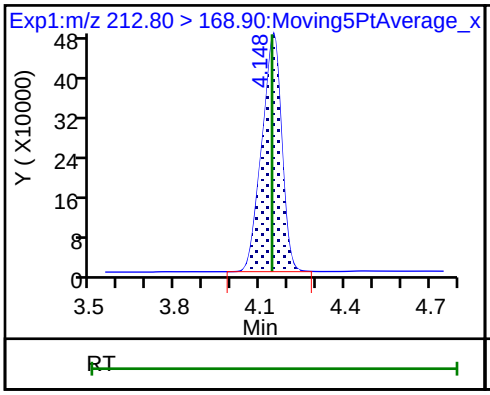
2 Perfluoropropionic acid



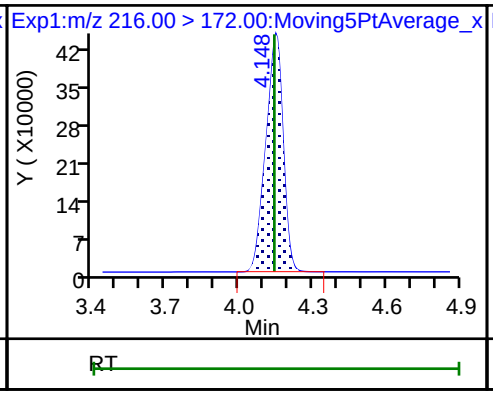
D 4 13C4-PFBA



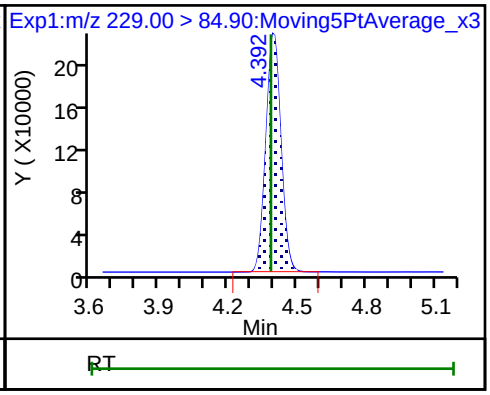
3 PFBA



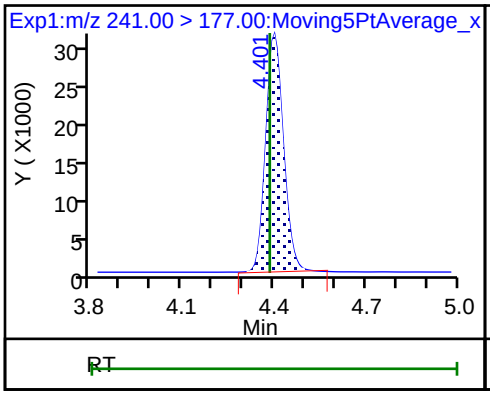
* 5 13C3PFBA



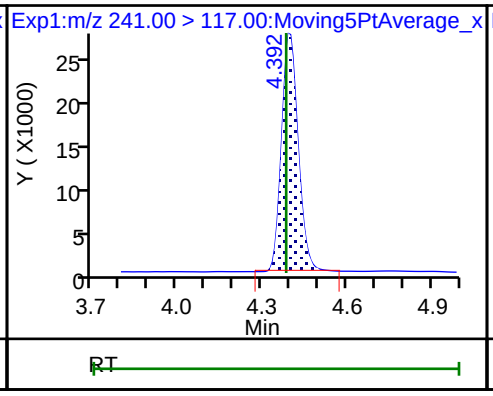
7 PFMPA



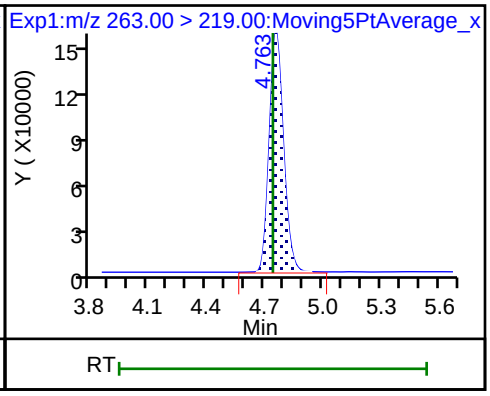
6 3:3 FTCA



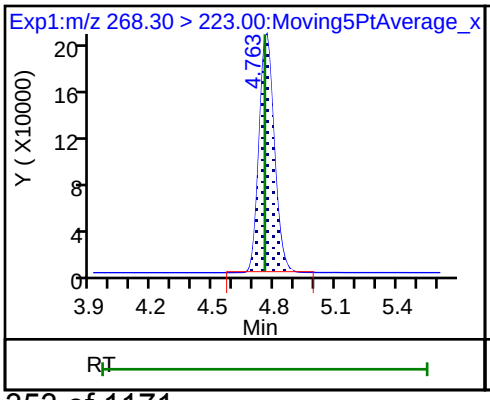
6 3:3 FTCA



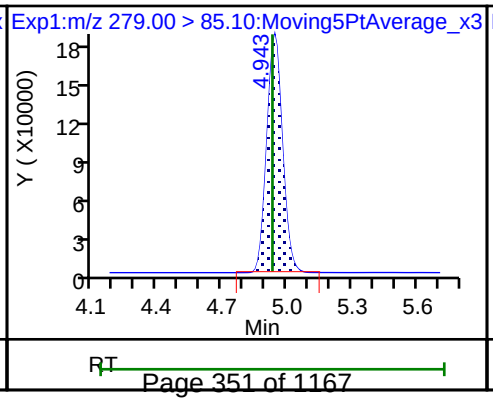
8 PFPA



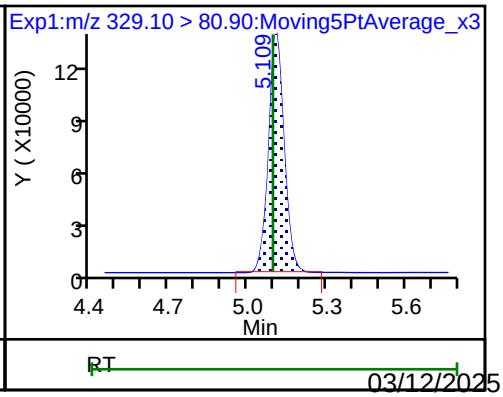
D 9 13C5 PFPeA



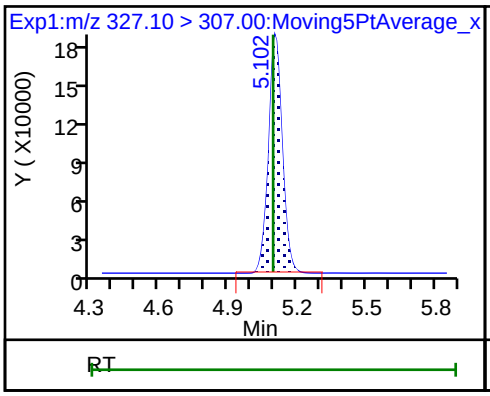
10 PFMBA



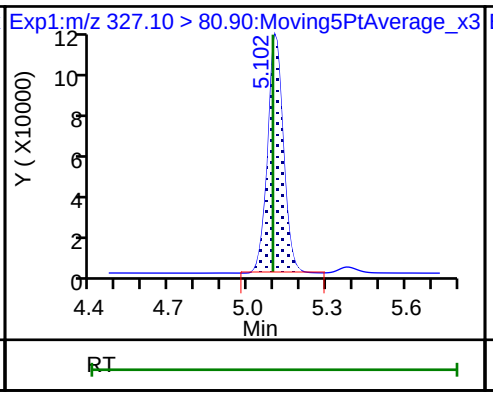
D 13 13C2-4:2FTS



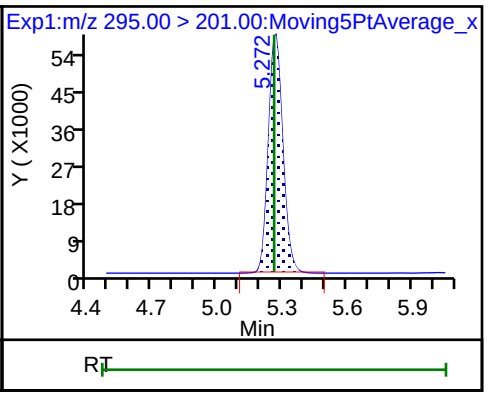
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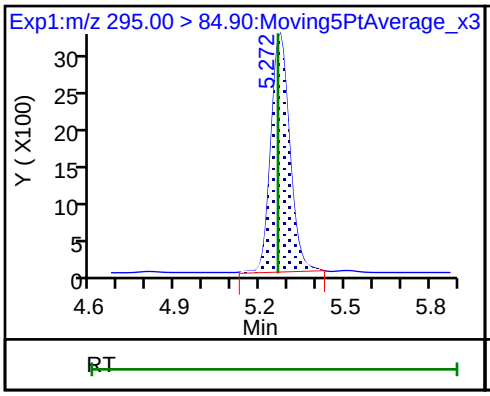
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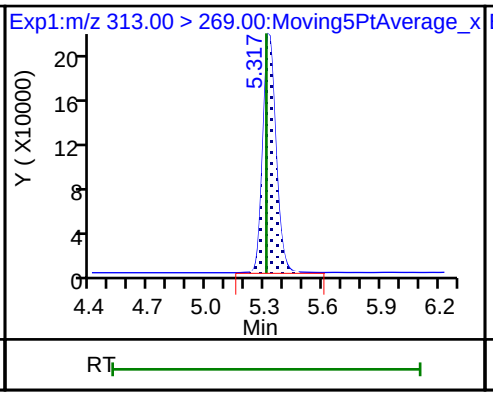
14 NFDHA



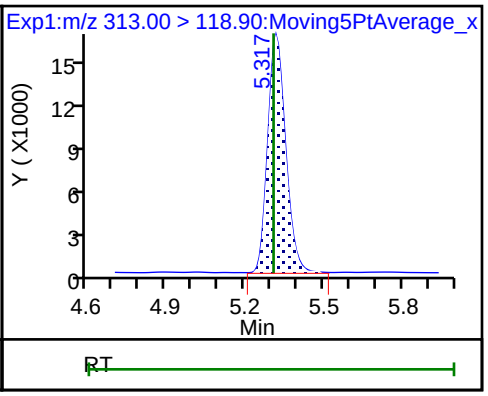
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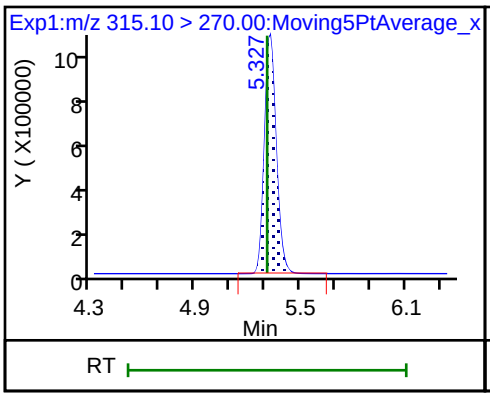
16 PFHxA



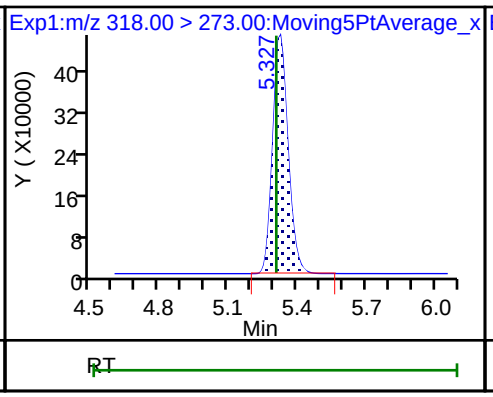
16 PFHxA



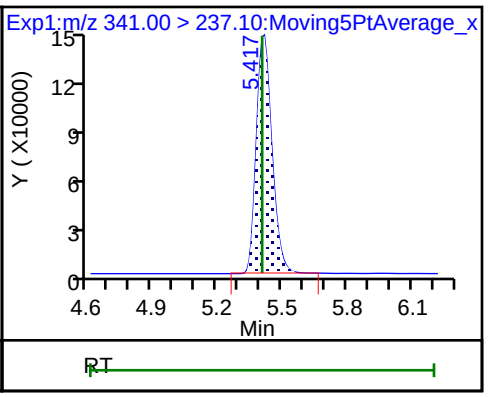
* 15 13C2 PFHxA



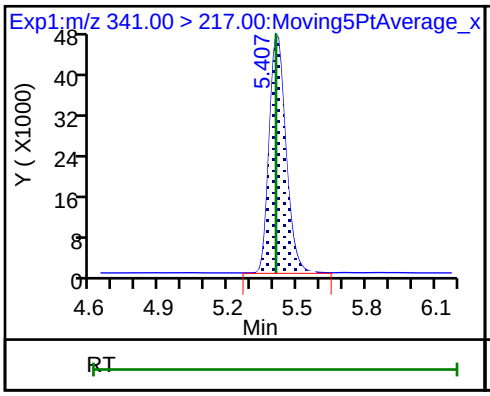
D 17 13C5 PFHxA



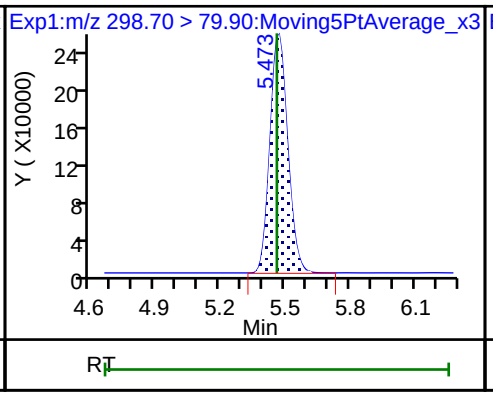
18 5:3 FTCA



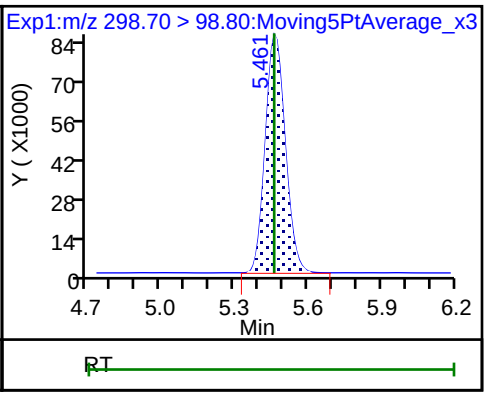
18 5:3 FTCA



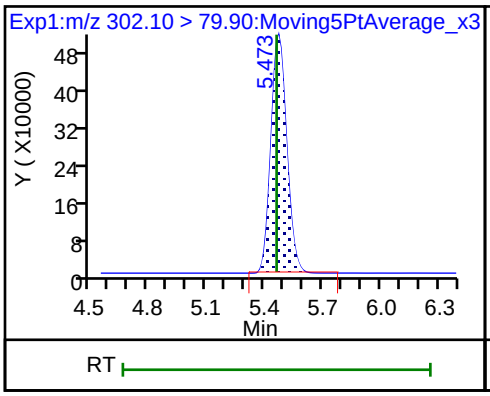
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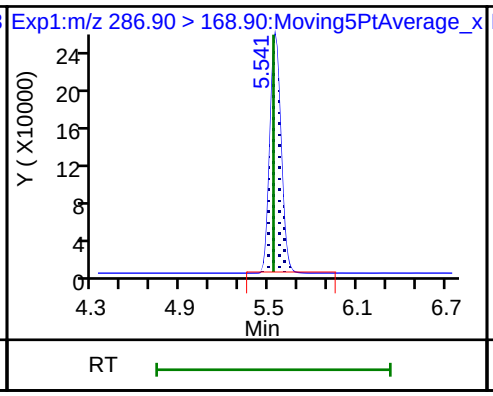
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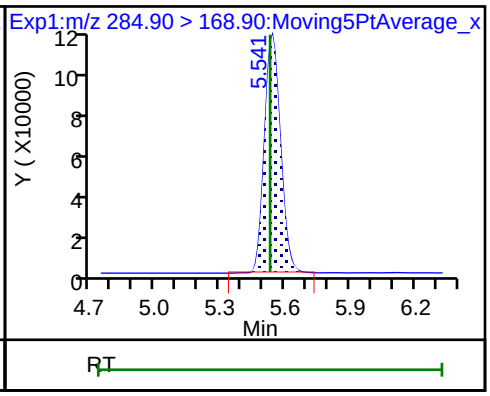
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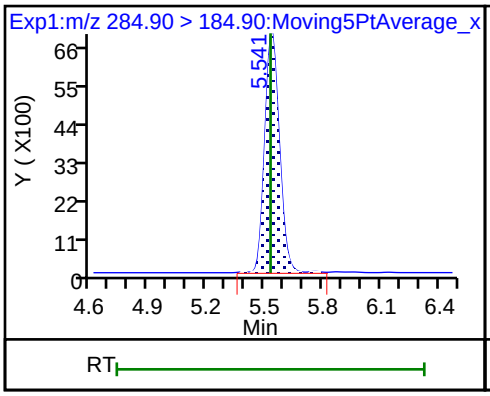
D 22 13C3 HFPO-DA



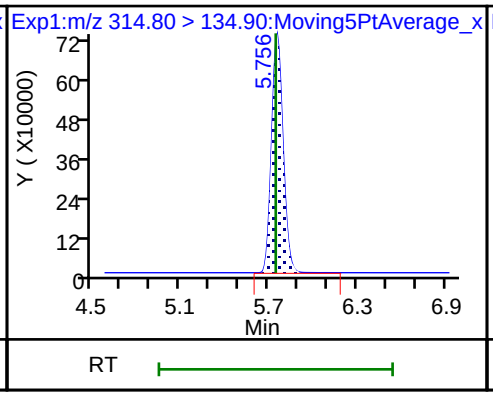
21 HFPO-DA



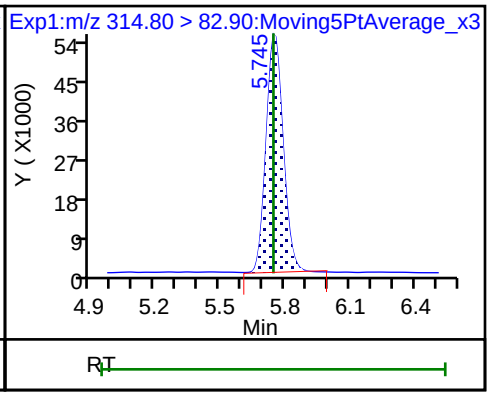
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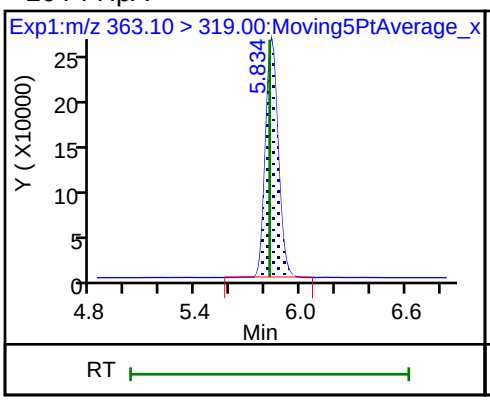
24 PFEESA



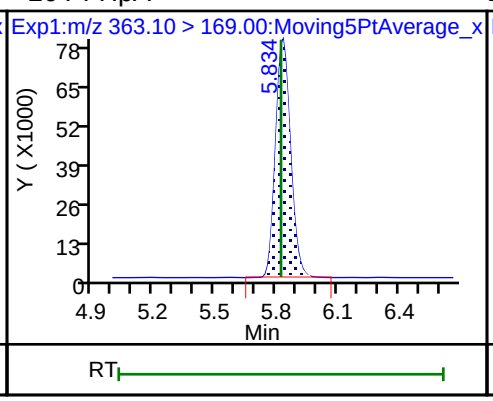
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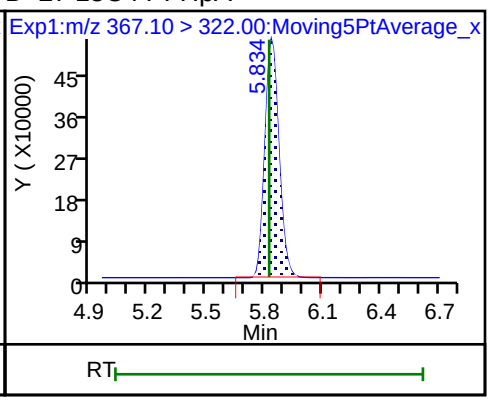
26 PFHpA



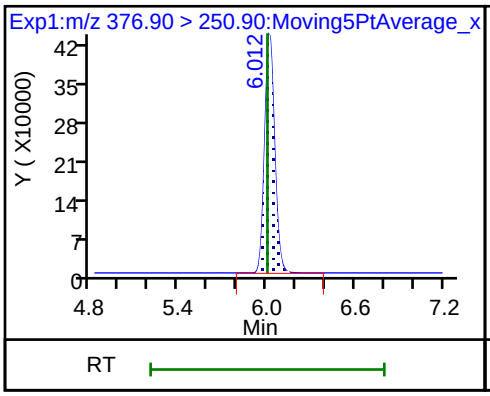
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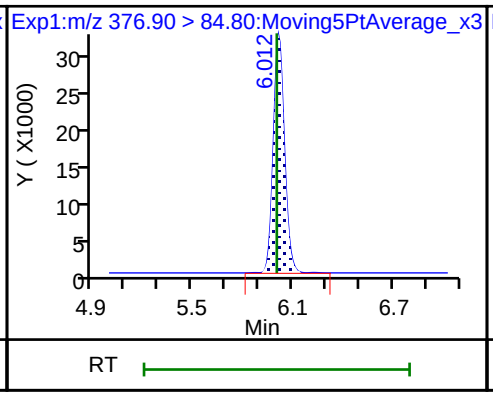
D 27 13C4 PFHpA



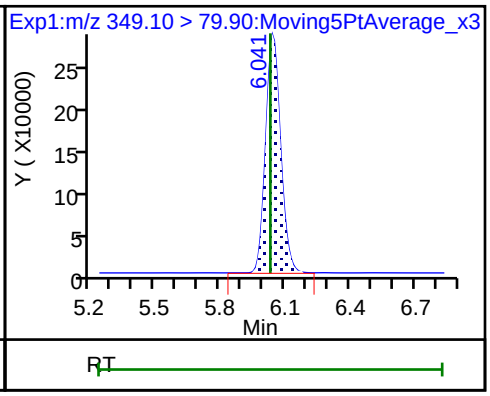
28 ADONA



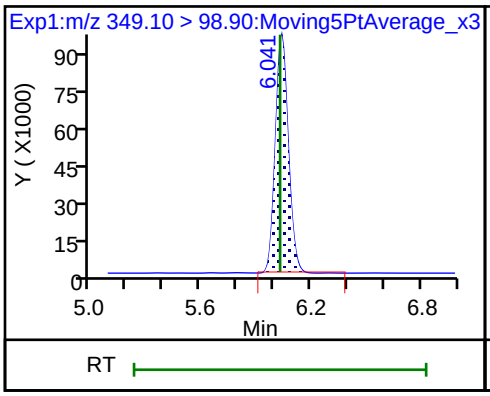
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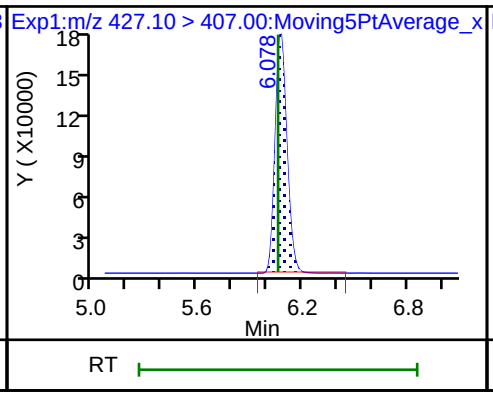
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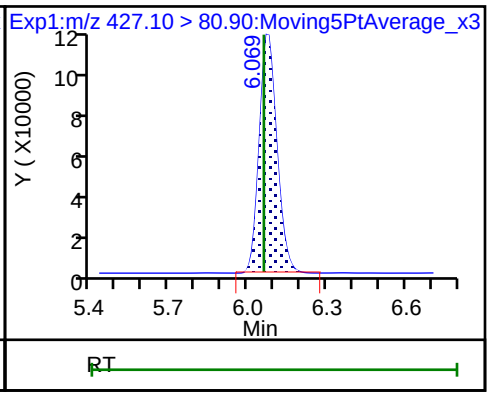
29 PFPeS



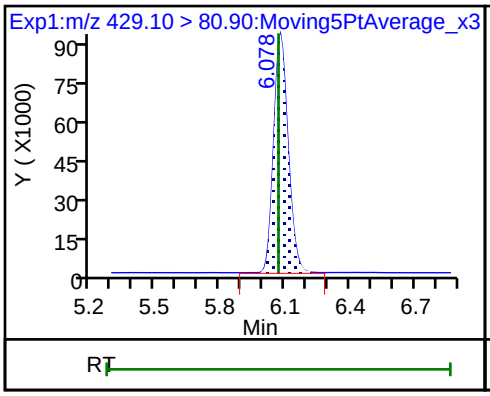
30 6:2FTS



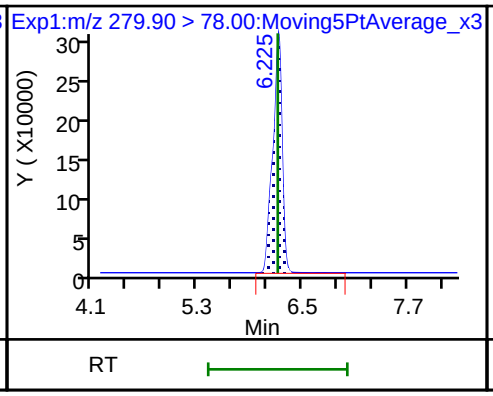
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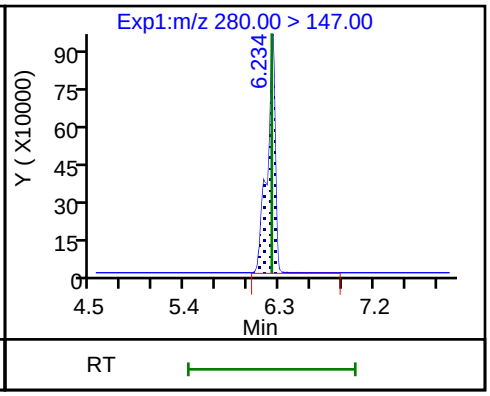
D 31 13C2-6:2FTS



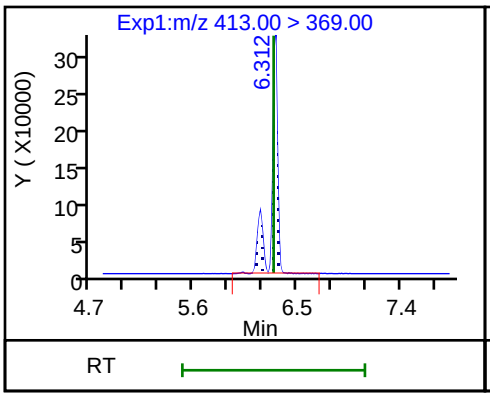
33 FBSA



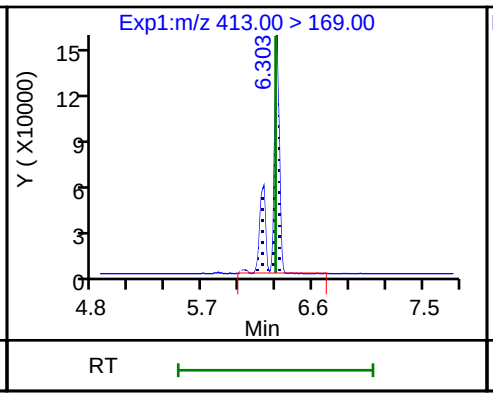
32 BTS



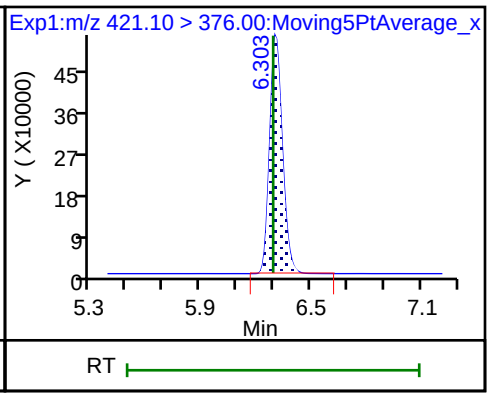
36 PFOA



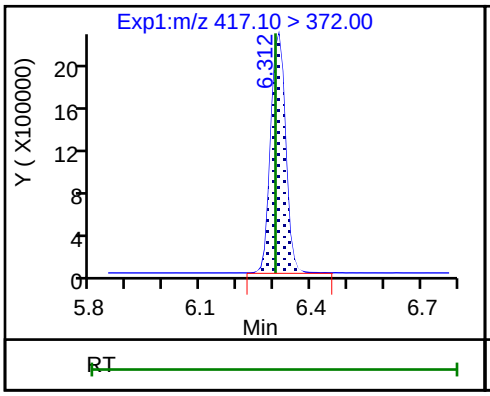
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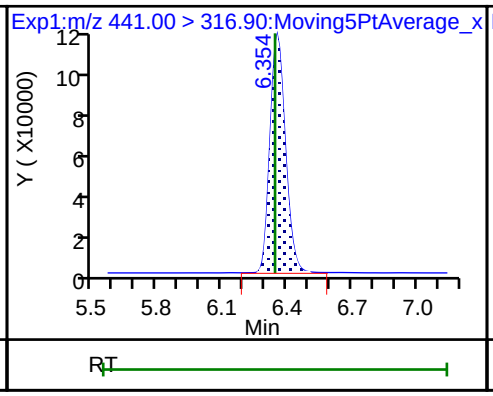
D 34 13C8 PFOA



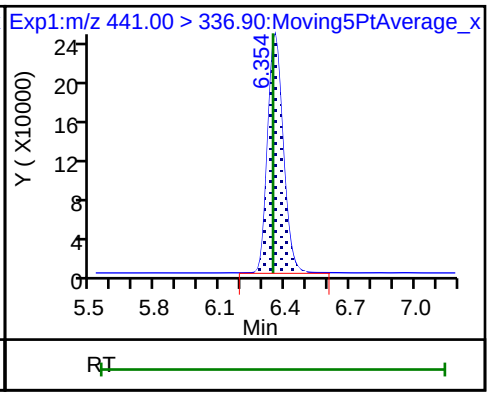
* 35 13C4 PFOA



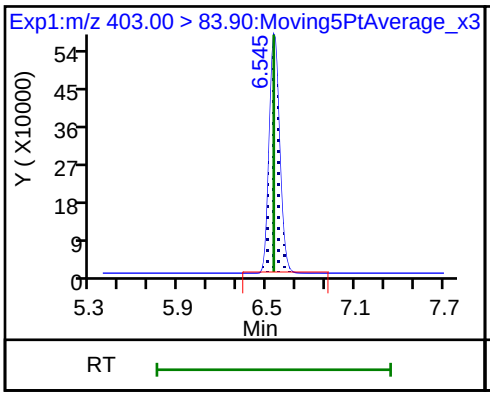
37 7:3 FTCA



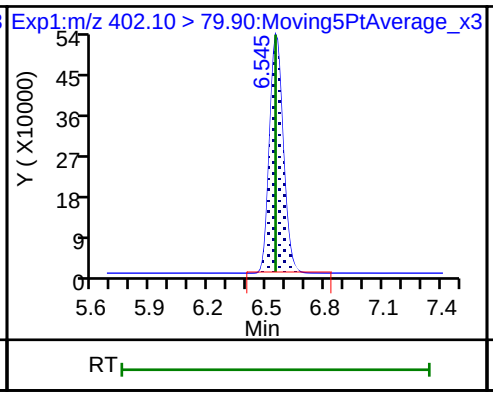
37 7:3 FTCA



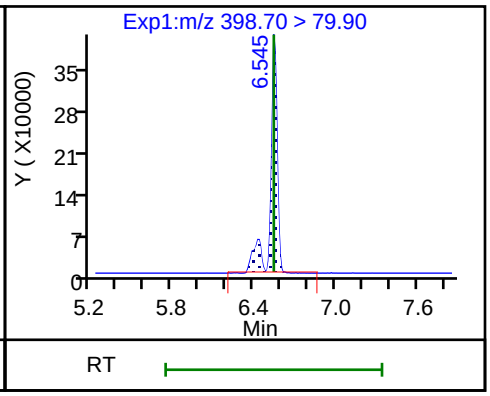
* 38 18O2 PFHxS



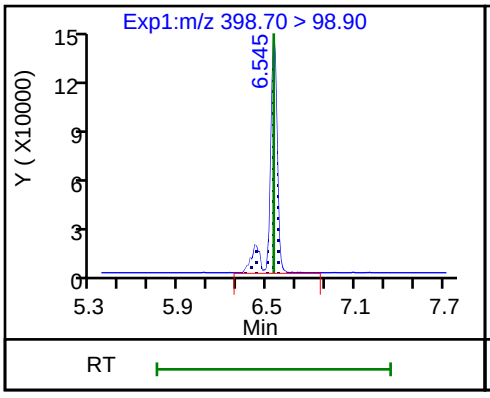
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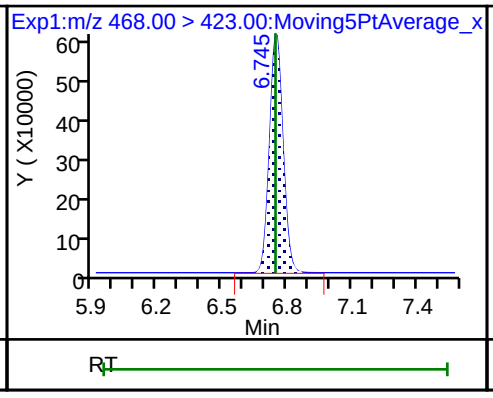
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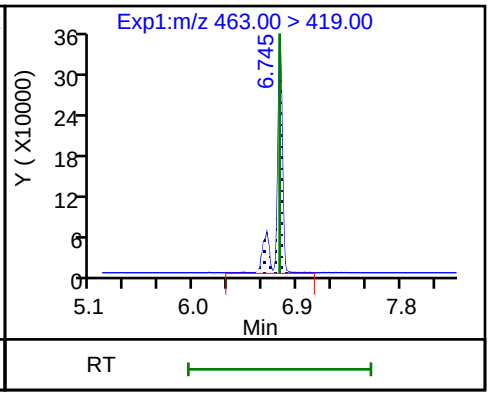
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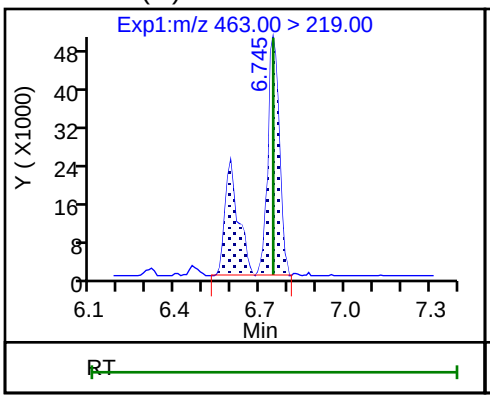
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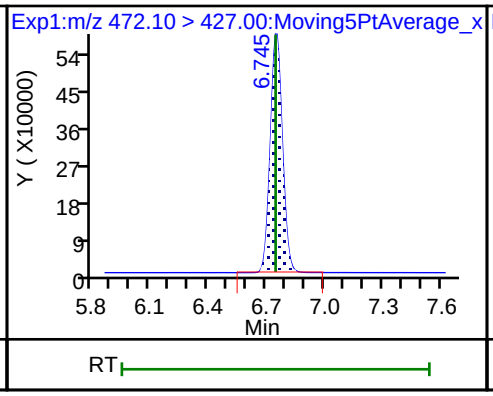
42 PFNA



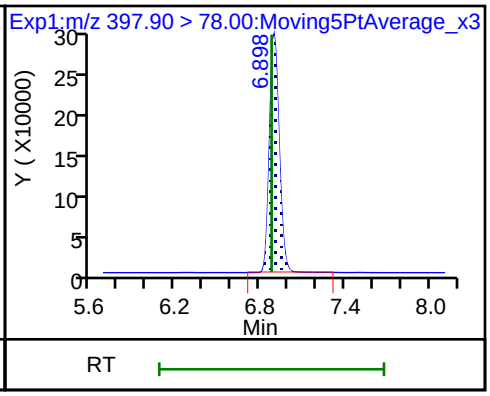
42 PFNA (M)



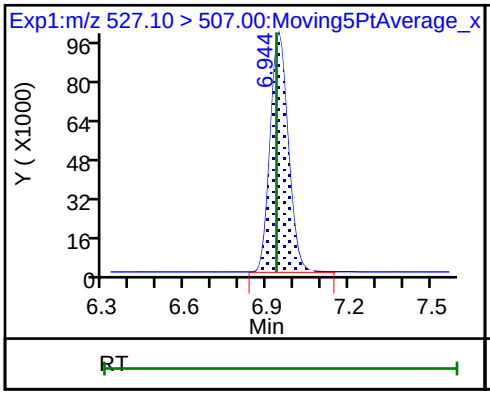
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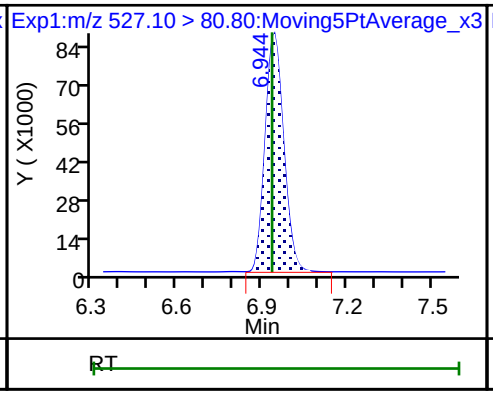
48 FHxSA



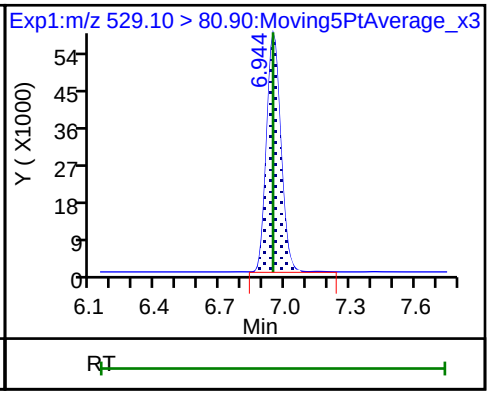
44 8:2FTS



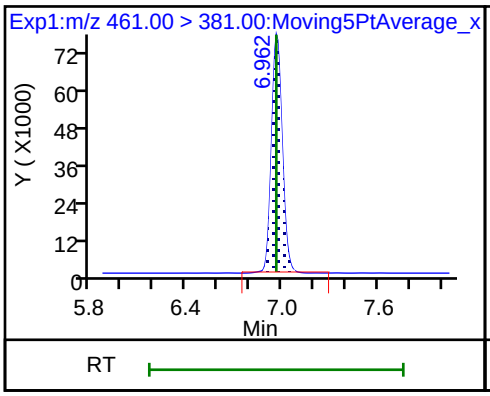
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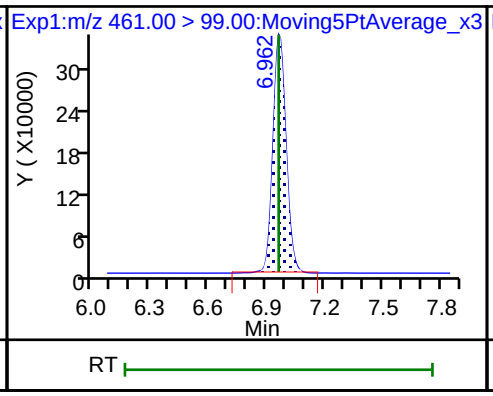
D 45 13C2-8:2FTS



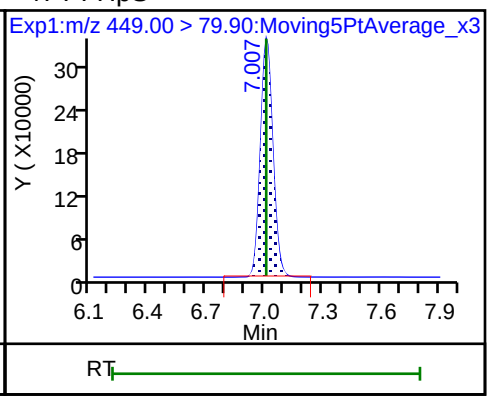
46 PFECHS



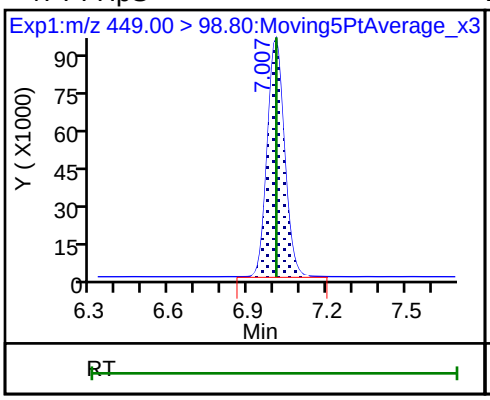
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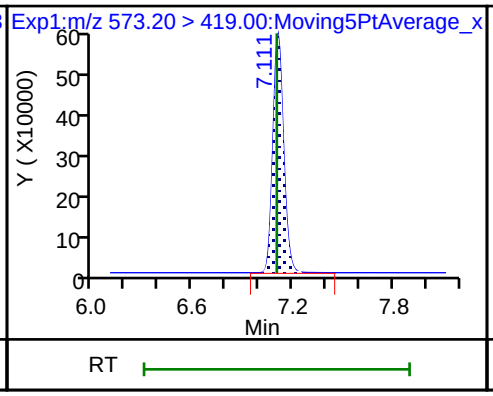
47 PFHpS



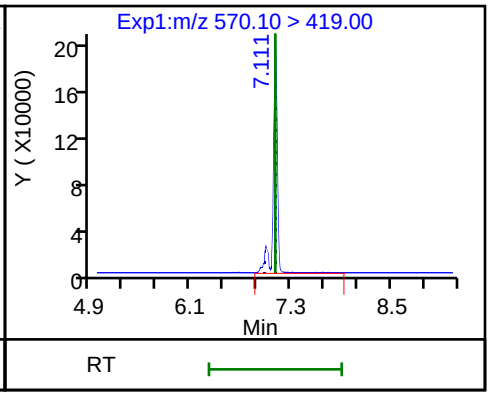
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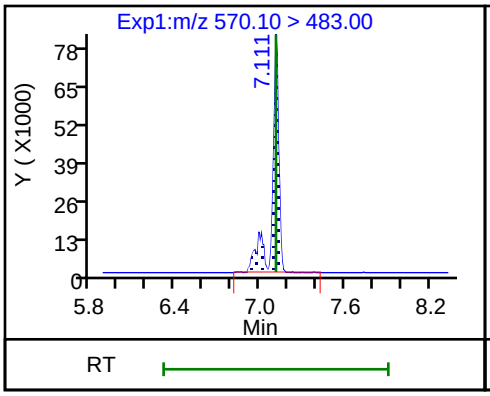
D 50 d3-NMeFOSAA



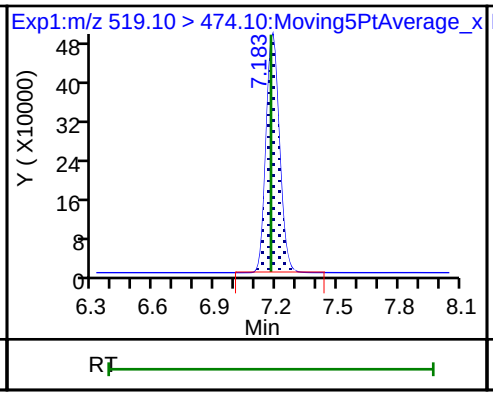
49 NMeFOSAA



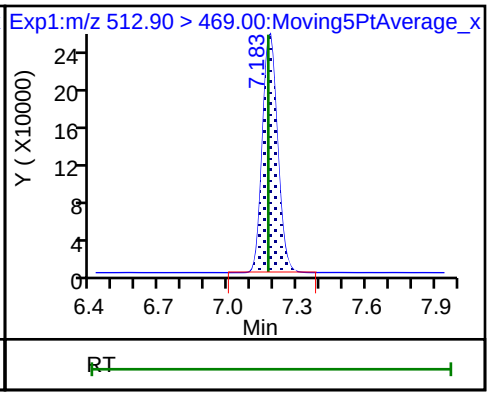
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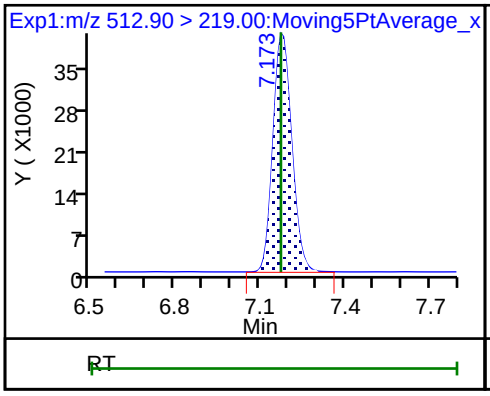
D 53 13C6 PFDA



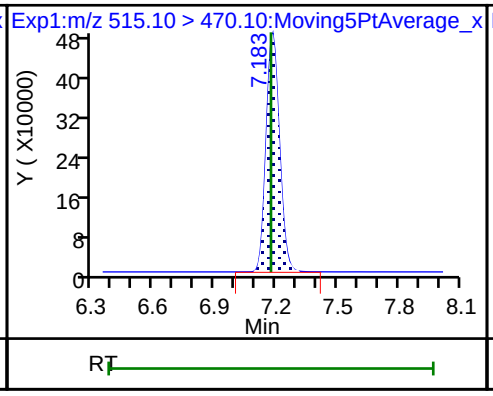
51 PFDA



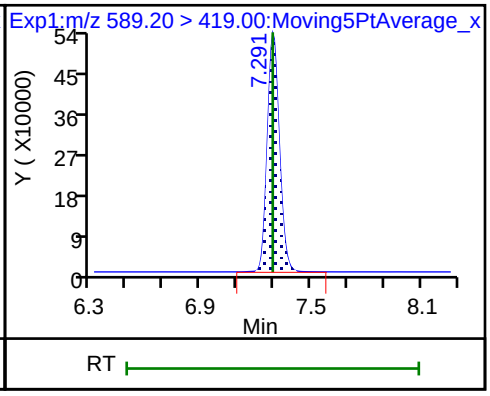
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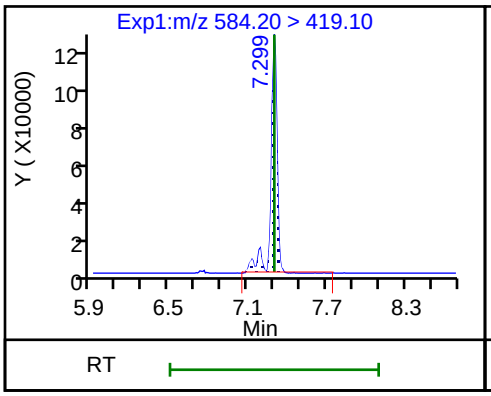
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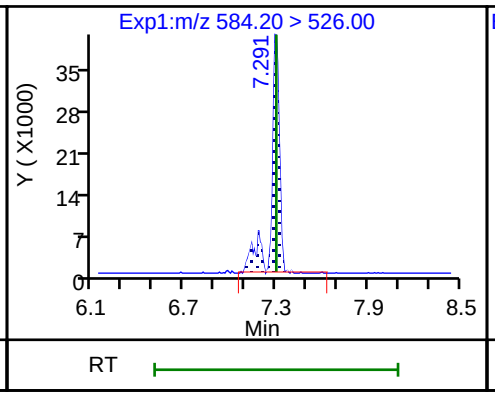
D 54 d5-NEtFOSAA



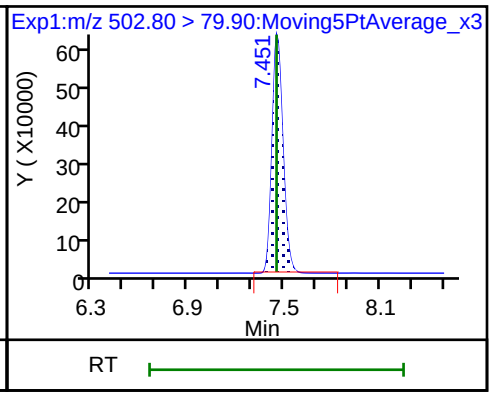
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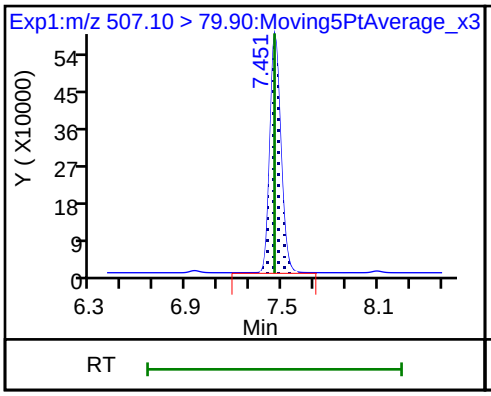
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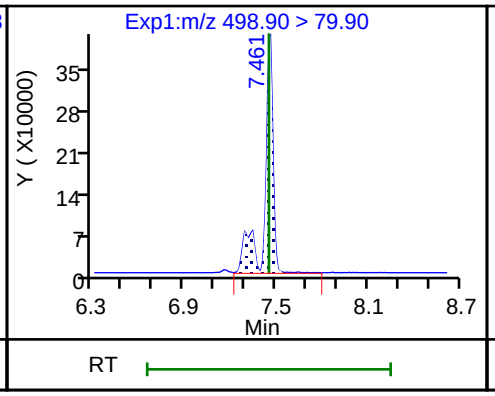
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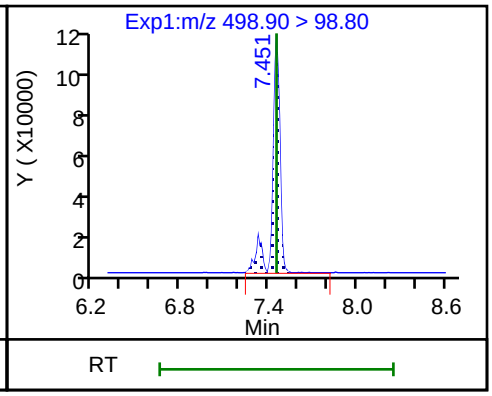
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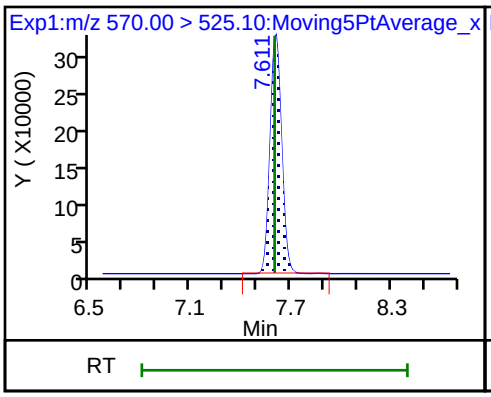
58 PFOS



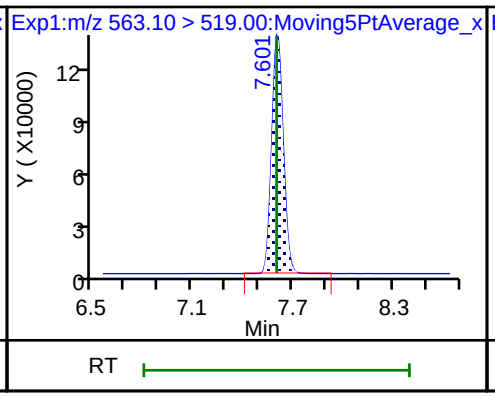
58 PFOS



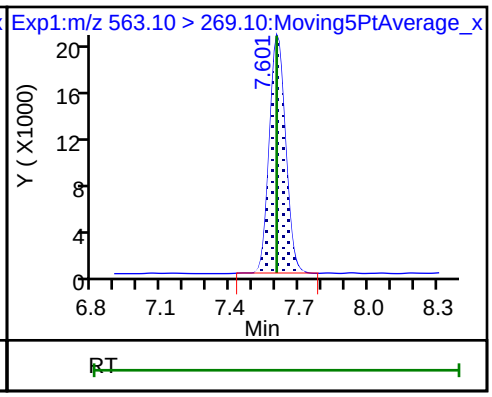
D 60 13C7 PFUnA



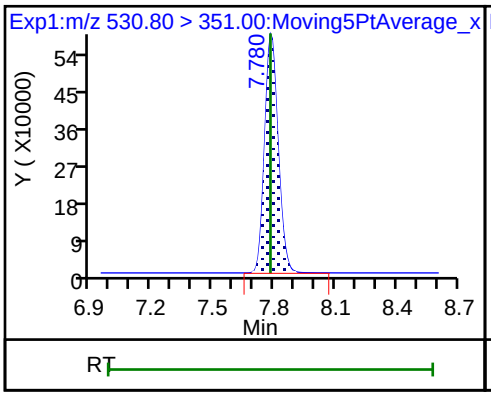
59 PFUnA



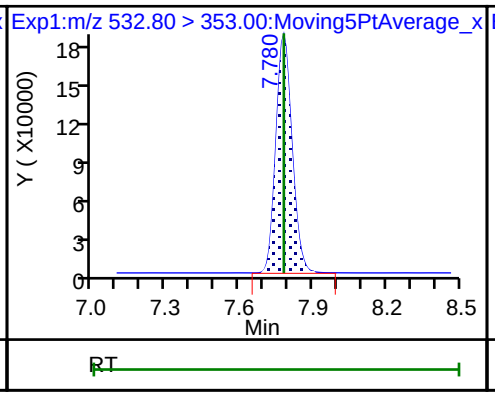
59 PFUnA



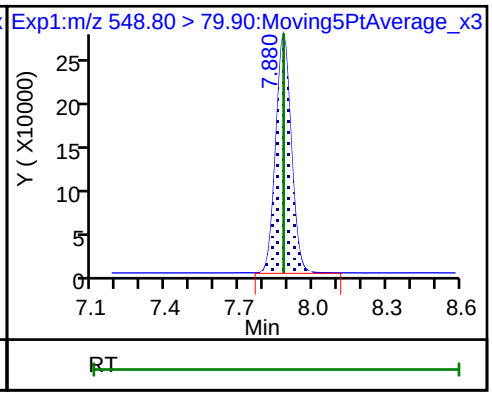
61 9ClFOS



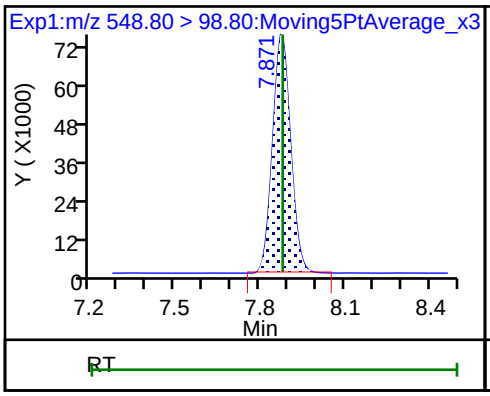
61 9ClFOS



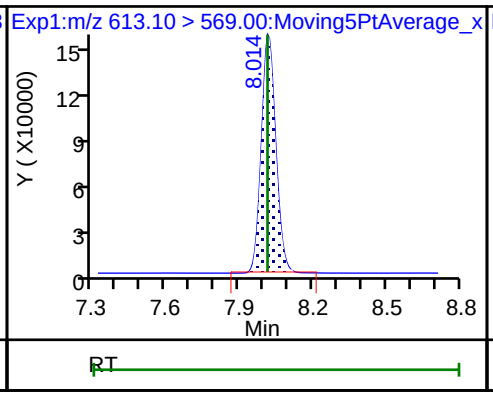
62 PFNS



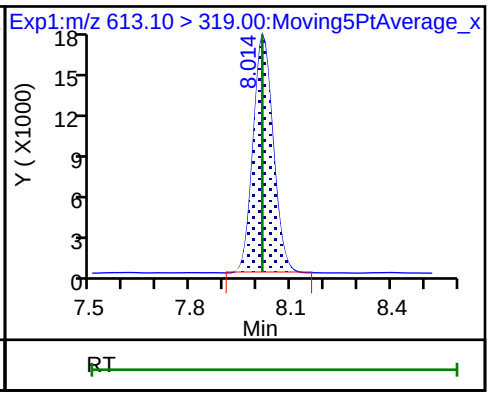
62 PFNS



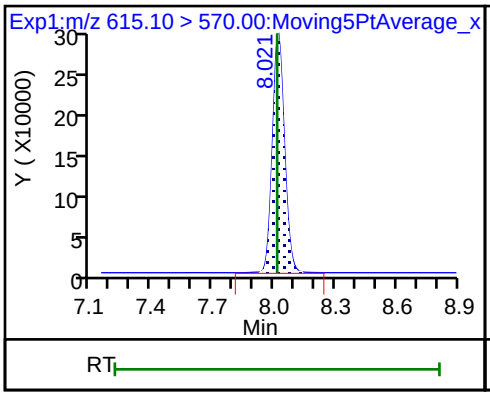
63 PFDoA



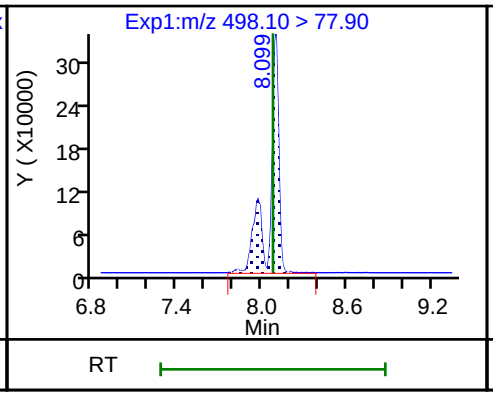
63 PFDoA



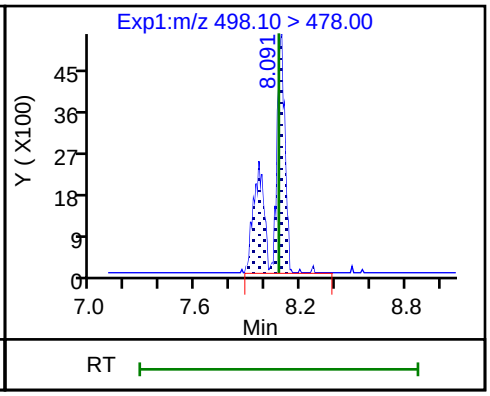
D 64 PFDoA



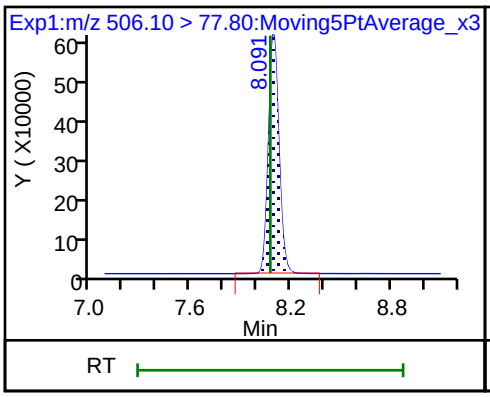
65 PFOSA



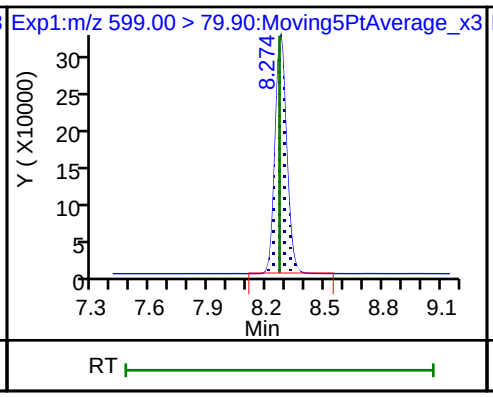
65 PFOSA



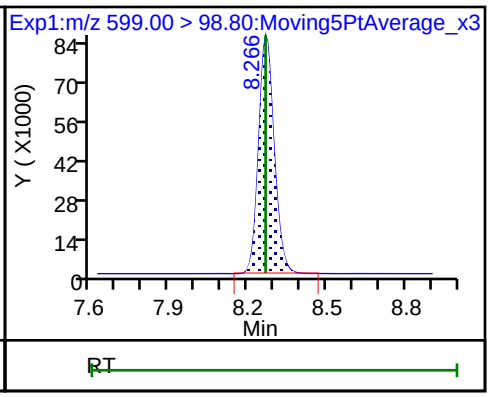
D 66 13C8 FOSA



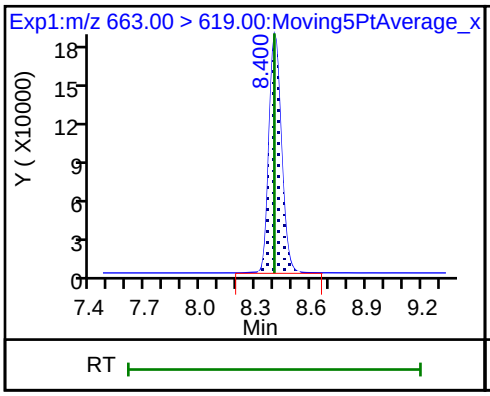
67 PFDS



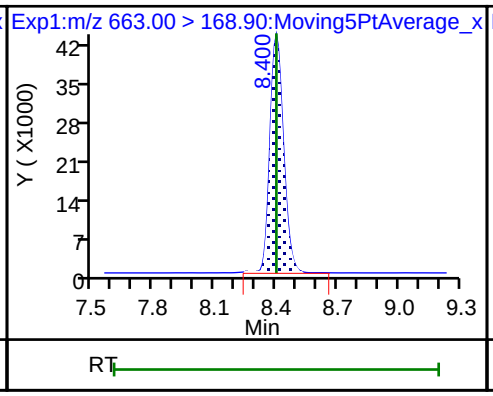
67 PFDS



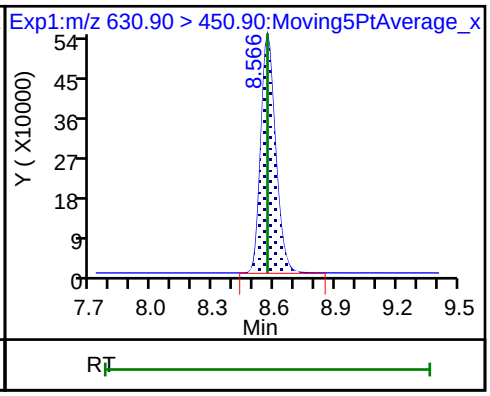
68 PFTrDA



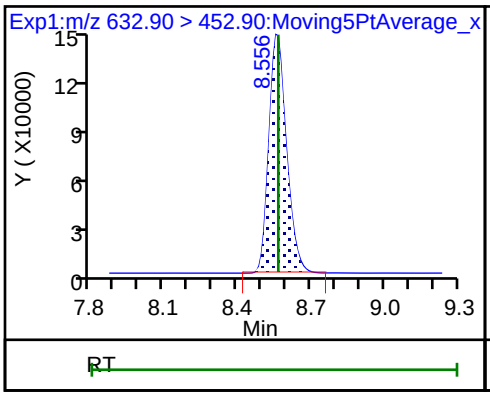
68 PFTrDA



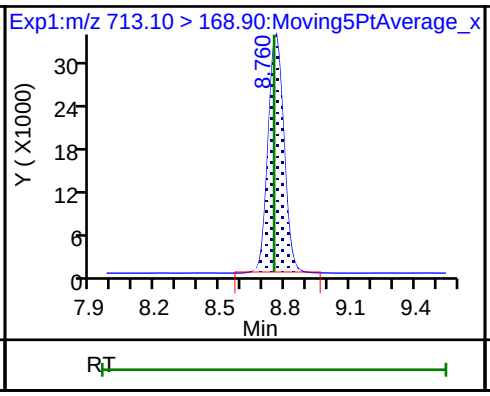
69 11ClFOS



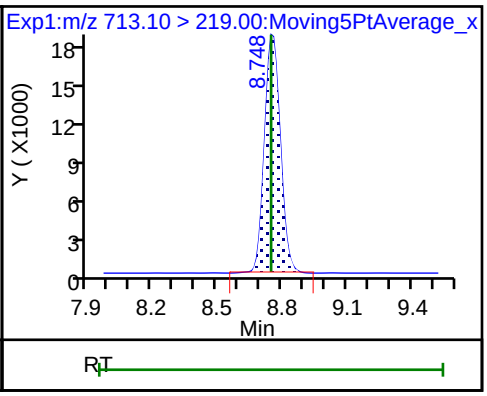
69 11ClFOS



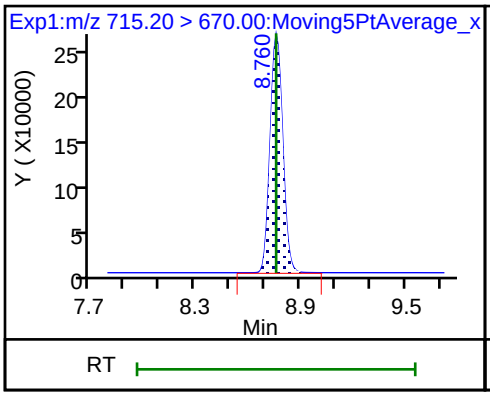
70 PFTeDA



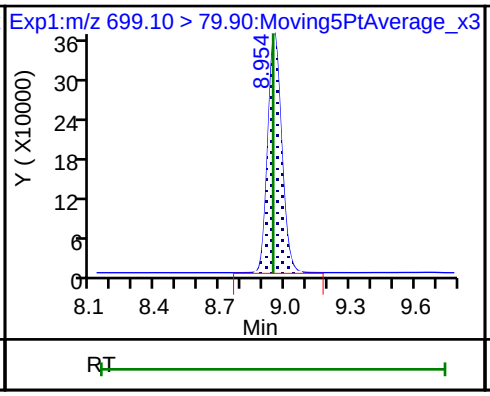
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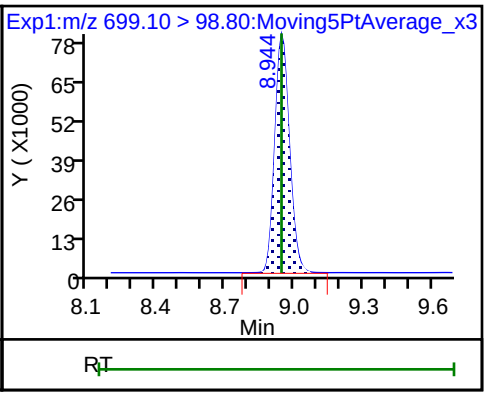
D 71 13C2 PFTeDA



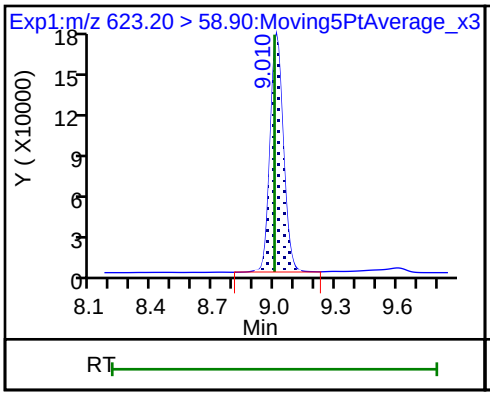
72 PFDoS



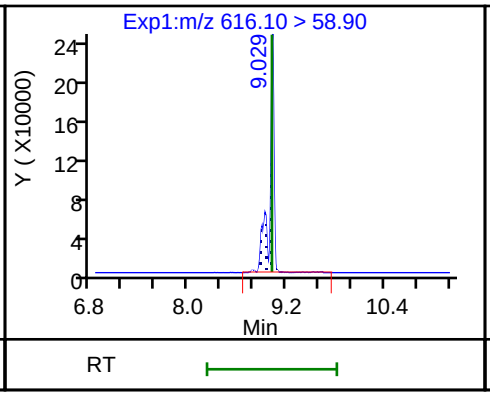
72 PFDoS



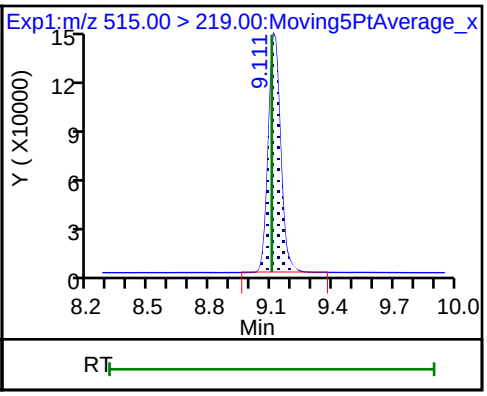
D 73 d7-N-Me-FOSE



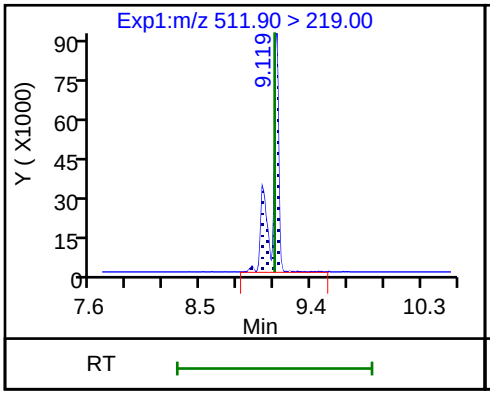
74 N-MeFOSE-M



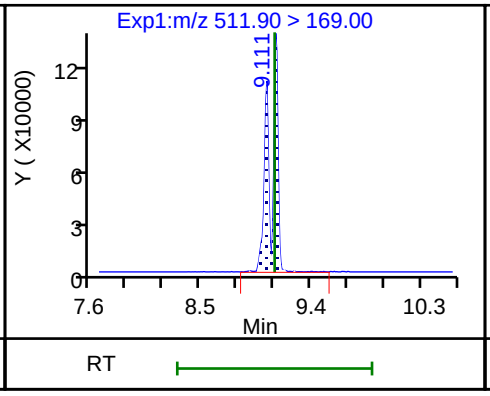
D 75 d3-NMePFOSA



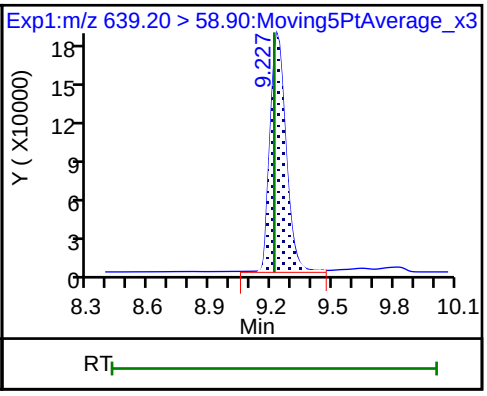
76 NMeFOSA



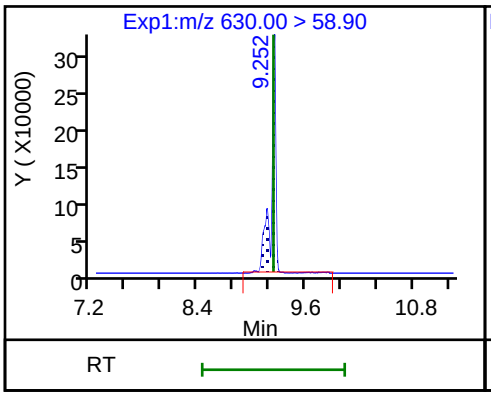
76 NMeFOSA



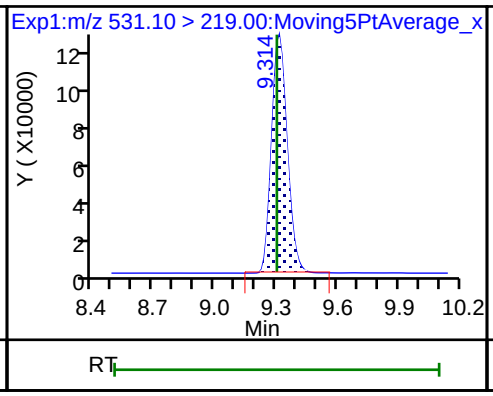
D 77 d9-N-EtFOSE



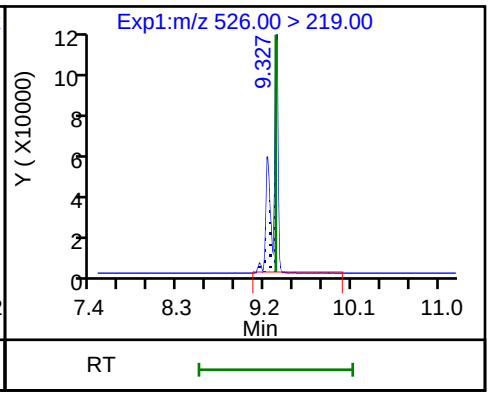
78 N-EtFOSE-M



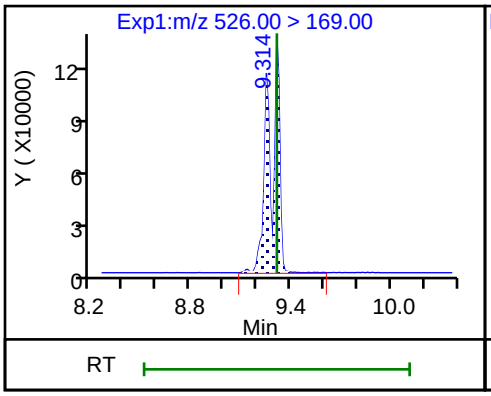
D 79 d5-NEtPFOSA



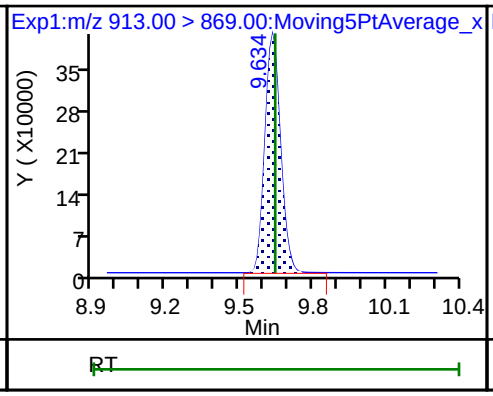
80 N-EtFOSA-M



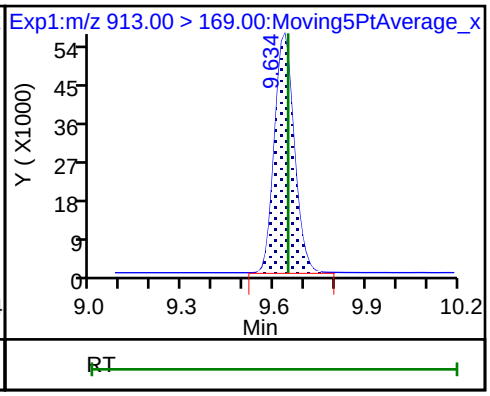
80 N-EtFOSA-M



81 Perfluorooctadecanoic acid



81 Perfluorooctadecanoic acid



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-05.d
Lims ID: ICISAV CAL 5
Client ID:
Sample Type: ICISAV Calib Level: 5
Inject. Date: 27-Feb-2025 16:07:22 ALS Bottle#: 20006 Worklist Smp#: 5
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: ICISAV CAL 5
Misc. Info.: Plate: 1 Rack: 1 410-0139404-005
Operator ID: US19_USR_INS00012E Instrument ID: 29347
Sublist: chrom-29347_1633Final*sub1

Method: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\29347_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 27-Feb-2025 19:05:27 Calib Date: 27-Feb-2025 16:49:35
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1602

First Level Reviewer: LDU5 Date: 27-Feb-2025 17:28:05
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C3PFPrA										
166.00 > 121.00	1.832	1.832	0.0	0.441	1101604	2.08		104	277	
2 Perfluoropropionic acid										
163.00 > 119.00	1.832	1.832	0.0	1.000	7462771	12.9		103	92.3	
D 4 13C4-PFBA										
216.80 > 171.90	4.147	4.147	0.0	0.998	2513772	2.02		101	82643	
3 PFBA										
212.80 > 168.90	4.147	4.147	0.0	1.000	6285785	5.15		103	21016	
* 5 13C3PFBA										
216.00 > 172.00	4.153	4.153	0.0		2174908	2.00			681	
7 PFMPA										
229.00 > 84.90	4.399	4.399	0.0	0.924	2748133	2.65		106	85003	
6 3:3 FTCA										
241.00 > 177.00	4.399	4.399	0.0	0.924	342970	5.32	Target=1.12	106	20972	
241.00 > 117.00	4.399	4.399	0.0	0.924	303630		1.13(0.56-1.67)	106	4413	
8 PFPA										
263.00 > 219.00	4.762	4.762	0.0	1.000	2175416	2.72		109	34875	
D 9 13C5 PFPeA										
268.30 > 223.00	4.762	4.762	0.0	0.894	996954	1.95		97.5	48090	
10 PFMBA										
279.00 > 85.10	4.941	4.941	0.0	1.038	2394341	2.69		107	79360	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.107	5.107	0.0	0.780	593453	4.72		101	35843	
11 4:2FTS										
327.10 > 307.00	5.100	5.100	0.0	0.999	2098702	4.89	Target=1.53	105	124851	
327.10 > 80.90	5.100	5.100	0.0	0.999	1330587		1.58(0.76-2.29)	105	26597	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.269	5.269	0.0	0.990	685072	2.58	Target=17.76	103	37214	
295.00 > 84.90	5.269	5.269	0.0	0.990	34515		19.85(8.88-26.65)	103	2511	
16 PFHxA										
313.00 > 269.00	5.324	5.324	0.0	1.000	2677592	2.72	Target=12.95	109	57564	
313.00 > 118.90	5.324	5.324	0.0	1.000	205159		13.05(6.47-19.42)	109	14563	
* 15 13C2 PFHxA										
315.10 > 270.00	5.324	5.324	0.0		4948081	5.00			176096	
D 17 13C5 PFHxA										
318.00 > 273.00	5.324	5.324	0.0	1.000	2085786	1.95		97.6	111102	
18 5:3 FTCA										
341.00 > 237.10	5.414	5.414	0.0	1.017	1837642	13.2	Target=2.90	105	61447	
341.00 > 217.00	5.414	5.414	0.0	1.017	642894		2.86(1.45-4.35)	105	32136	
19 PFBS										
298.70 > 79.90	5.469	5.469	0.0	1.000	3960887	2.37	Target=3.01	107	137694	
298.70 > 98.80	5.469	5.469	0.0	1.000	1281258		3.09(1.51-4.52)	107	55196	
D 20 13C3 PFBS										
302.10 > 79.90	5.469	5.469	0.0	0.836	2852865	1.87		100	125065	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.538	5.538	0.0	1.040	1336674	1.94		97.1	63509	
21 HFPO-DA										
284.90 > 168.90	5.538	5.538	0.0	1.000	1477887	1.93	Target=15.29	103	47140	
284.90 > 184.90	5.538	5.538	0.0	1.000	96558		15.31(7.65-22.94)	103	6210	
24 PFEESA										
314.80 > 134.90	5.754	5.754	0.0	1.081	10978704	2.40	Target=13.00	108	402024	
314.80 > 82.90	5.754	5.754	0.0	1.081	830668		13.22(6.50-19.50)	108	25190	
26 PFHpA										
363.10 > 319.00	5.831	5.831	0.0	1.000	3809706	2.83	Target=3.19	113	125077	
363.10 > 169.00	5.831	5.831	0.0	1.000	1101243		3.46(1.60-4.79)	113	53772	
D 27 13C4 PFHpA										
367.10 > 322.00	5.831	5.831	0.0	1.095	2639038	2.02		101	129489	
28 ADONA										
376.90 > 250.90	6.011	6.011	0.0	1.085	5554420	2.50	Target=14.18	106	394581	
376.90 > 84.80	6.011	6.011	0.0	1.085	395013		14.06(7.09-21.26)	106	28202	
29 PFPeS										
349.10 > 79.90	6.039	6.039	0.0	0.923	3721380	2.40	Target=2.90	102	191758	
349.10 > 98.90	6.039	6.039	0.0	0.923	1254753		2.97(1.45-4.36)	102	64148	
30 6:2FTS										
427.10 > 407.00	6.068	6.068	0.0	0.998	2060038	4.63	Target=1.45	97.7	147812	
427.10 > 80.90	6.068	6.068	0.0	0.998	1406960		1.46(0.72-2.17)	97.7	60150	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.077	6.077	0.0	0.929	451010	5.16		108	32182	
33 FBSA										
279.90 > 78.00	6.223	6.223	0.0	1.138	5893409	2.69		107	258300	
32 BTS										
280.00 > 147.00	6.233	6.233	0.0	0.952	13582742	2.50		102	18573	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
36 PFOA										
413.00 > 369.00	6.301	6.301	0.0	1.000	3038284	2.67	Target=2.12	107	810724	
413.00 > 169.00	6.301	6.301	0.0	1.000	1446941		2.10(1.06-3.17)	107	181373	
D 34 13C8 PFOA										
421.10 > 376.00	6.301	6.301	0.0	0.999	2492213	1.96		97.9	129779	
* 35 13C4 PFOA										
417.10 > 372.00	6.310	6.310	0.0		6281563	5.00			742403	
37 7:3 FTCA										
441.00 > 316.90	6.352	6.352	0.0	1.193	1456372	13.0	Target=0.48	104	58342	
441.00 > 336.90	6.352	6.352	0.0	1.193	3170043		0.46(0.24-0.71)	104	79215	
* 38 18O2 PFHxS										
403.00 > 83.90	6.545	6.545	0.0		2670145	1.89			109704	
D 39 13C3 PFHxS										
402.10 > 79.90	6.545	6.545	0.0	1.000	2817363	2.03		107	145506	
40 PFHxS										
398.70 > 79.90	6.545	6.545	0.0	1.000	3578475	2.30	Target=2.92	101	1036607	
398.70 > 98.90	6.545	6.545	0.0	1.000	1207765		2.96(1.46-4.39)	101	1576	
D 41 13C9 PFNA										
472.10 > 427.00	6.745	6.745	0.0	1.000	2676483	2.08		104	155358	
* 43 13C5 PFNA										
468.00 > 423.00	6.745	6.745	0.0		2632888	2.00			152806	
42 PFNA										
463.00 > 419.00	6.745	6.745	0.0	1.000	3038825	2.65	Target=5.06	106	483080	
463.00 > 219.00	6.745	6.745	0.0	1.000	600355		5.06(2.53-7.59)	106	71471	
48 FHxSA										
397.90 > 78.00	6.888	6.888	0.0	1.053	3838949	2.49		99.6	89928	
44 8:2FTS										
527.10 > 507.00	6.943	6.943	0.0	1.000	1208840	4.71	Target=1.11	98.3	89695	
527.10 > 80.80	6.934	6.943	-0.009	0.999	1078545		1.12(0.55-1.66)	98.3	59113	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.943	6.943	0.0	1.061	285116	5.20		108	21117	
46 PFECHS										
461.00 > 381.00	6.961	6.961	0.0	1.064	997158	2.33	Target=0.23	101	52776	
461.00 > 99.00	6.961	6.961	0.0	1.064	4375069		0.23(0.12-0.34)	101	186342	
47 PFHpS										
449.00 > 79.90	7.007	7.007	0.0	0.940	4057182	2.54	Target=3.38	107	181051	
449.00 > 98.80	6.998	7.007	-0.009	0.939	1156603		3.51(1.69-5.07)	107	84930	
D 50 d3-NMeFOSAA										
573.20 > 419.00	7.110	7.110	0.0	0.954	2851794	5.27		105	158619	
49 NMeFOSAA										
570.10 > 419.00	7.119	7.119	0.0	1.001	1535510	2.56	Target=2.33	103	2685	
570.10 > 483.00	7.110	7.119	-0.009	1.000	659766		2.33(1.16-3.49)	103	1896	
D 53 13C6 PFDA										
519.10 > 474.10	7.182	7.182	0.0	1.000	2152680	2.01		101	155799	
51 PFDA										
512.90 > 469.00	7.172	7.172	0.0	0.999	2915036	2.57	Target=6.26	103	126781	
512.90 > 219.00	7.172	7.172	0.0	0.999	438145		6.65(3.13-9.39)	103	32041	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 52 13C2 PFDA										
515.10 > 470.10	7.182	7.182	0.0		2087021	2.00			112948	
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.290	7.290	0.0	0.979	2435722	5.23		105	133481	
55 NEtFOSAA										
584.20 > 419.10	7.299	7.299	0.0	1.001	1049744	2.60	Target=2.76	104	172758	
584.20 > 526.00	7.290	7.299	-0.008	1.000	401654		2.61(1.38-4.14)	104	647	
* 57 13C4 PFOS										
502.80 > 79.90	7.450	7.450	0.0		2840080	1.91			150136	
D 56 13C8 PFOS										
507.10 > 79.90	7.450	7.450	0.0	1.000	2759689	1.97		103	10420	
58 PFOS										
498.90 > 79.90	7.450	7.450	0.0	1.000	4083680	2.47	Target=3.93	106	346134	
498.90 > 98.80	7.450	7.450	0.0	1.000	1055944		3.87(1.97-5.89)	106	1761	
D 60 13C7 PFUnA										
570.00 > 525.10	7.600	7.600	0.0	1.058	1486219	1.95		97.5	102697	
59 PFUnA										
563.10 > 519.00	7.600	7.600	0.0	1.000	1676965	2.55	Target=6.78	102	87217	
563.10 > 269.10	7.600	7.600	0.0	1.000	259933		6.45(3.39-10.17)	102	18188	
61 9ClFOS										
530.80 > 351.00	7.780	7.780	0.0	1.405	7128270	2.49	Target=3.19	107	388621	
532.80 > 353.00	7.780	7.780	0.0	1.405	2177852		3.27(1.59-4.78)	107	158791	
62 PFNS										
548.80 > 79.90	7.879	7.879	0.0	1.058	3146255	2.44	Target=3.47	101	143434	
548.80 > 98.80	7.871	7.879	-0.008	1.056	909777		3.46(1.73-5.20)	101	68214	
63 PFDoA										
613.10 > 569.00	8.013	8.013	0.0		1688670	2.60	Target=8.09	104	103746	
613.10 > 319.00	8.013	8.013	0.0		201379		8.39(4.04-12.13)	104	16247	
D 64 PFDoA										
615.10 > 570.00	8.020	8.020	0.0	1.117	1217915	1.98		99.0	99341	
65 PFOSA										
498.10 > 77.90	8.089	8.089	0.0	1.000	3907975	2.57	Target=54.30	103	918592	
498.10 > 478.00	8.082	8.089	-0.007	0.999	70540		55.40(27.15-81.45)	103	108	
D 66 13C8 FOSA										
506.10 > 77.80	8.089	8.089	0.0	1.086	2787088	2.08		104	127752	
67 PFDS										
599.00 > 79.90	8.272	8.272	0.0	1.110	3537671	2.48	Target=3.76	103	143728	
599.00 > 98.80	8.264	8.272	-0.008	1.109	944084		3.75(1.88-5.63)	103	76476	
68 PFTrDA										
663.00 > 619.00	8.398	8.398	0.0	0.959	2454033	2.70	Target=4.44	108	132792	
663.00 > 168.90	8.398	8.398	0.0	0.959	542972		4.52(2.22-6.65)	108	38998	
69 11ClFOS										
630.90 > 450.90	8.563	8.563	0.0	1.546	7011028	2.54	Target=3.61	108	283018	
632.90 > 452.90	8.563	8.563	0.0	1.546	1875803		3.74(1.80-5.41)	108	126530	
70 PFTeDA										
713.10 > 168.90	8.755	8.755	0.0	1.000	470018	2.76	Target=1.85	110	31080	
713.10 > 219.00	8.755	8.755	0.0	1.000	259514		1.81(0.93-2.78)	110	17034	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 71 13C2 PFTeDA										
715.20 > 670.00	8.755	8.755	0.0	1.219	1284410	1.98		98.8	63584	
72 PFDoS										
699.10 > 79.90	8.949	8.949	0.0	1.201	4141010	2.51	Target=4.41	104	104429	
699.10 > 98.80	8.949	8.949	0.0	1.201	978608		4.23(2.20-6.61)	104	73189	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.014	9.014	0.0	1.210	760700	5.01		100	5468	
74 N-MeFOSE-M										
616.10 > 58.90	9.024	9.024	0.0	1.001	2283429	13.0		104	5552	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.114	9.114	0.0	1.223	608882	2.06		103	36882	
76 NMeFOSA										
511.90 > 219.00	9.114	9.114	0.0	1.000	910447	2.70	Target=0.56	108	1907	
511.90 > 169.00	9.114	9.114	0.0	1.000	1614831		0.56(0.28-0.84)	108	4777	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.230	9.230	0.0	1.239	965086	5.09		102	3600	
78 N-EtFOSE-M										
630.00 > 58.90	9.255	9.255	0.0	1.003	2989254	13.2		106	8634	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.318	9.318	0.0	1.251	684757	2.07		103	25519	
80 N-EtFOSA-M										
526.00 > 219.00	9.318	9.318	0.0	1.000	1059347	2.56	Target=0.74	102	2730	
526.00 > 169.00	9.318	9.318	0.0	1.000	1426956		0.74(0.37-1.12)	102	368749	
81 Perfluorooctadecanoic acid										
913.00 > 869.00	9.627	9.627	0.0	1.100	4803531	2.70	Target=7.28	108	107433	
913.00 > 169.00	9.627	9.627	0.0	1.100	657136		7.31(3.64-10.91)	108	36997	

QC Flag Legend

Processing Flags

Reagents:

1633_125_CAL5_00019 Amount Added: 1.00 Units: mL

Report Date: 27-Feb-2025 19:05:28 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-05.d

Injection Date: 27-Feb-2025 16:07:22 Instrument ID: 29347

Lims ID: ICISAV CAL 5

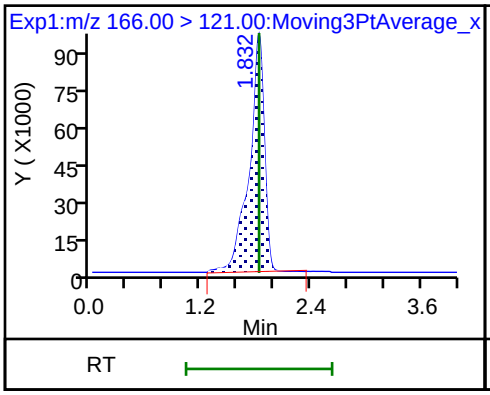
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Operator ID: US19_USR_INS00012E ALS Bottle#: 20006 Worklist Smp#: 5

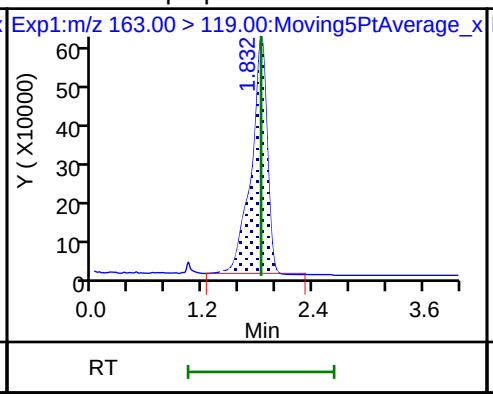
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 29347_1633Final Limit Group: LC - 1633 LVI- ICAL

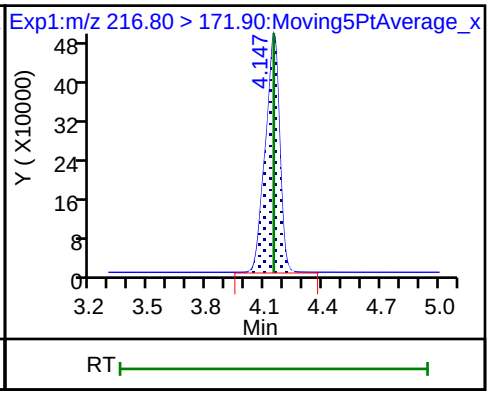
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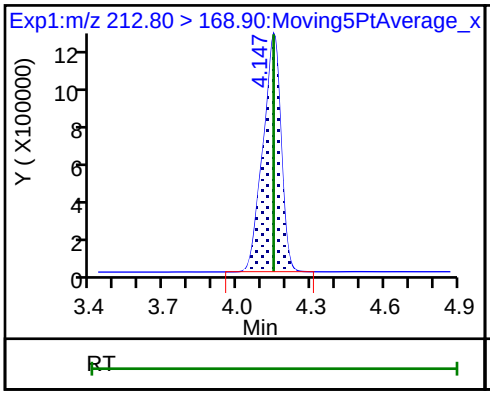
2 Perfluoropropionic acid



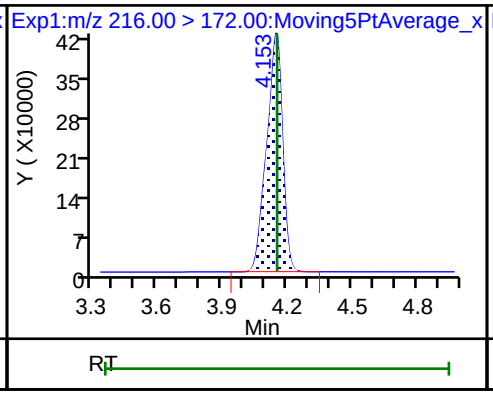
D 4 13C4-PFBA



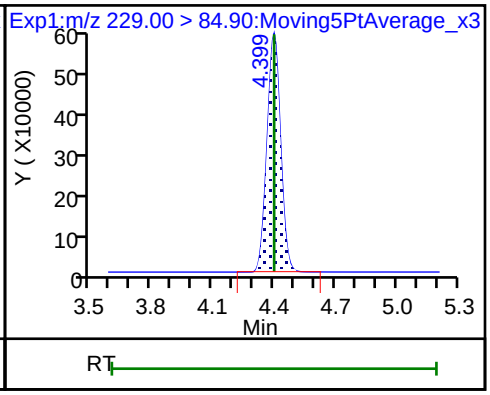
3 PFBA



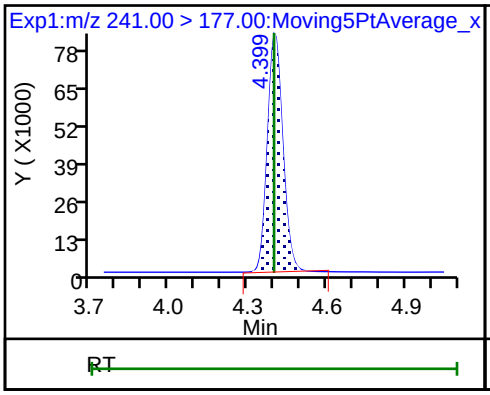
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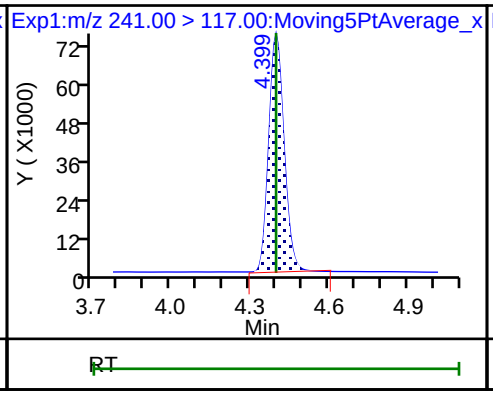
7 PFMPA



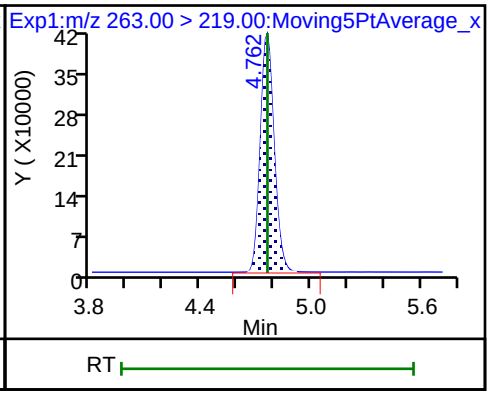
6 3:3 FTCA



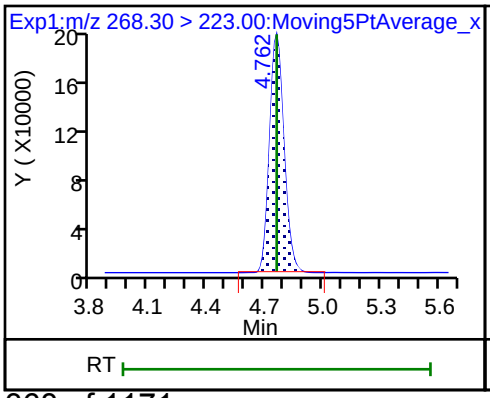
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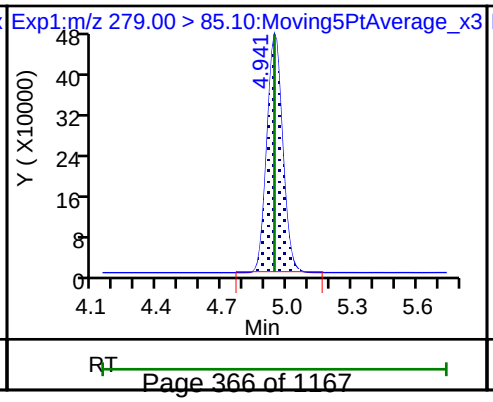
8 PFPA



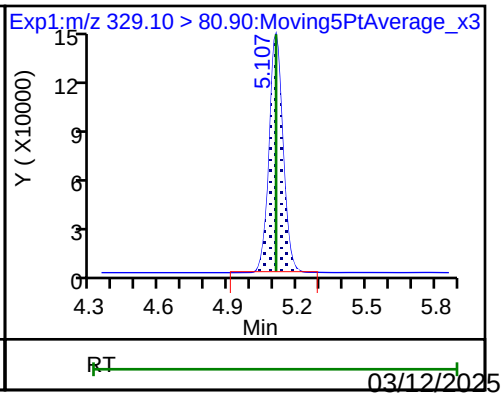
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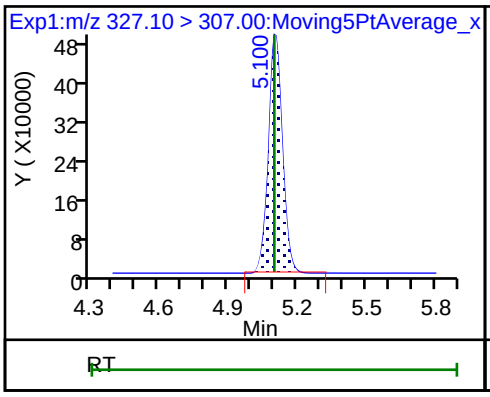
10 PFMBA



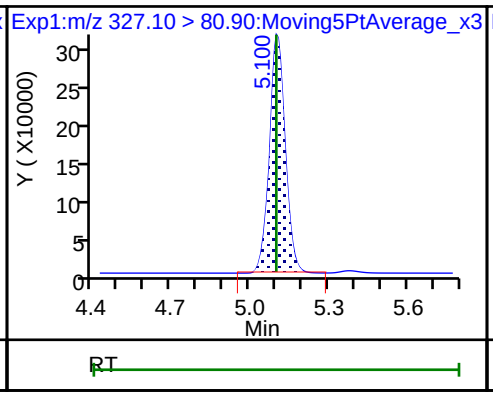
D 13 13C2-4:2FTS



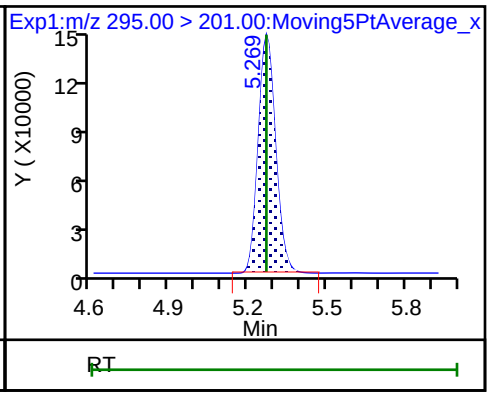
11 4:2FTS



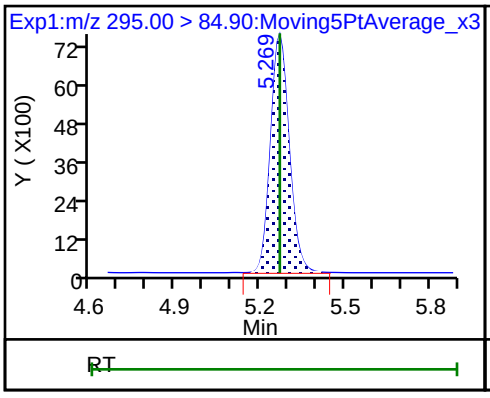
11 4:2FTS



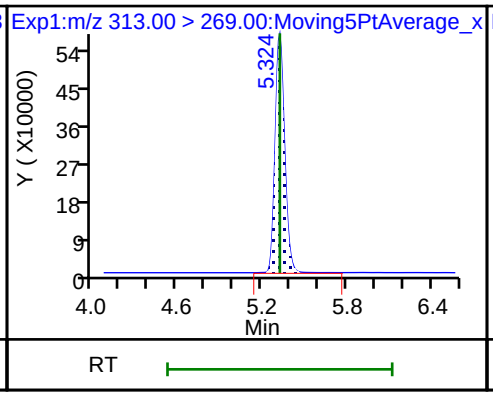
14 NFDHA



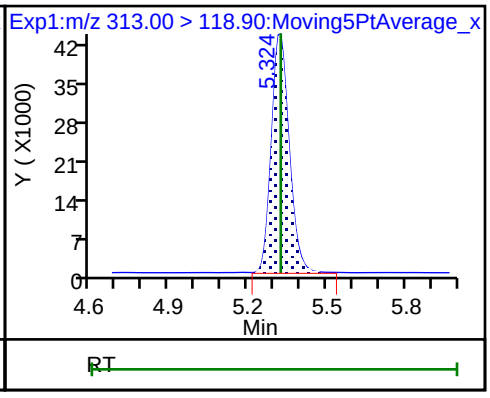
14 NFDHA



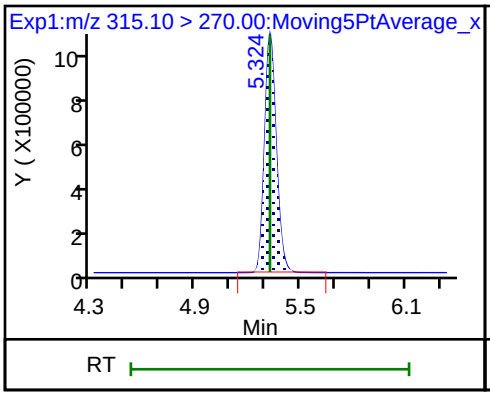
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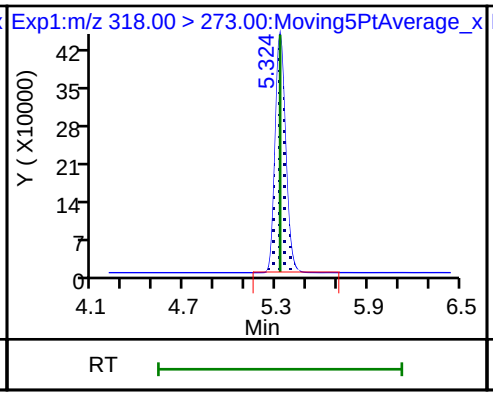
16 PFHxA



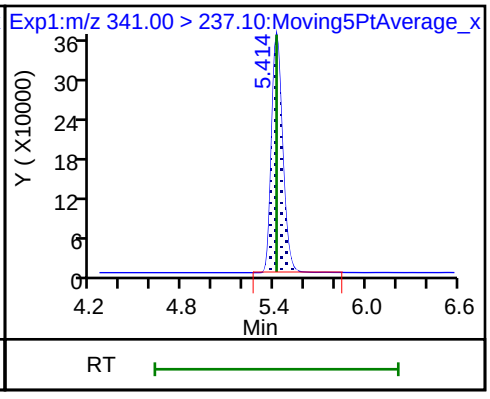
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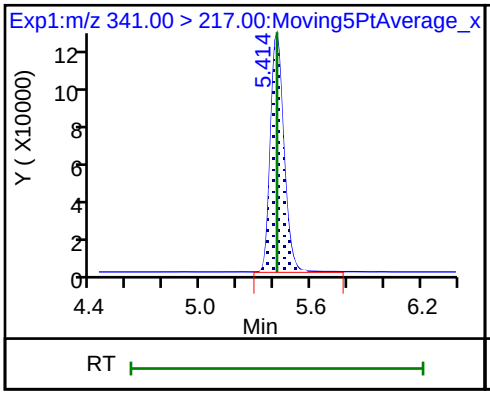
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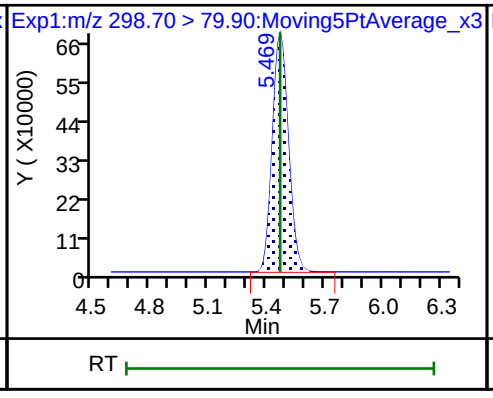
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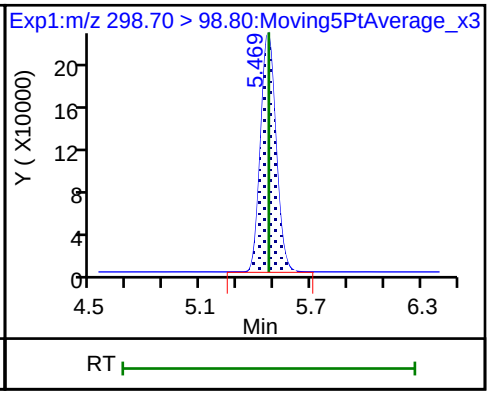
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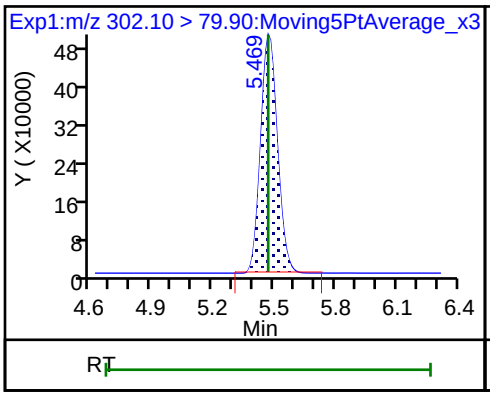
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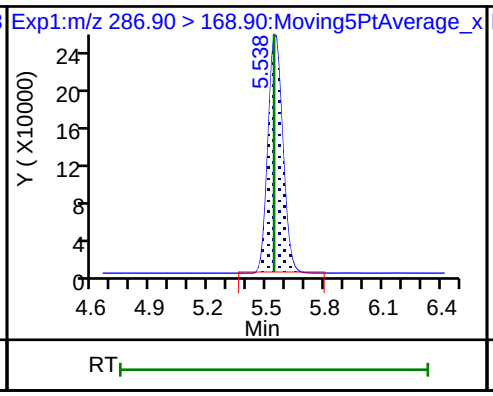
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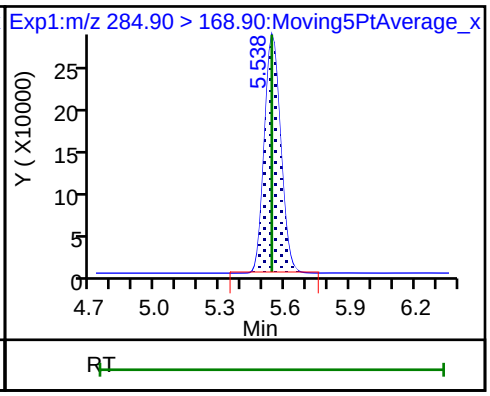
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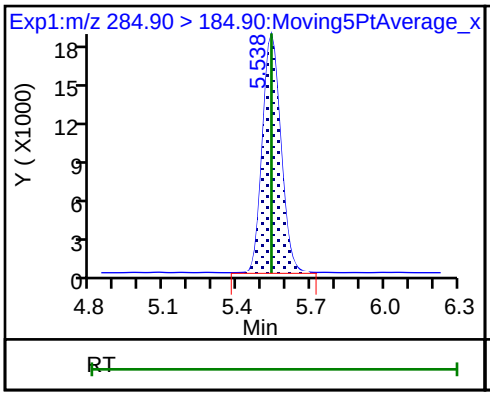
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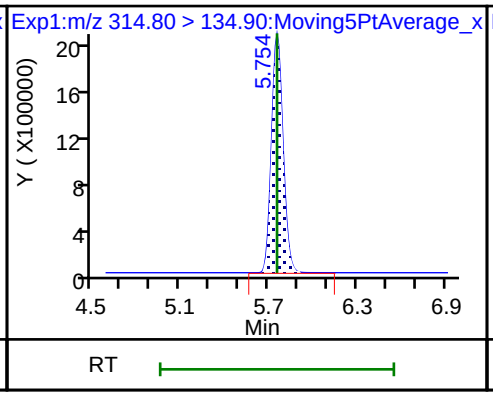
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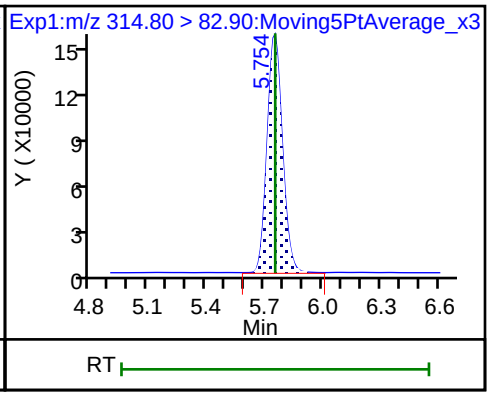
21 HFPO-DA



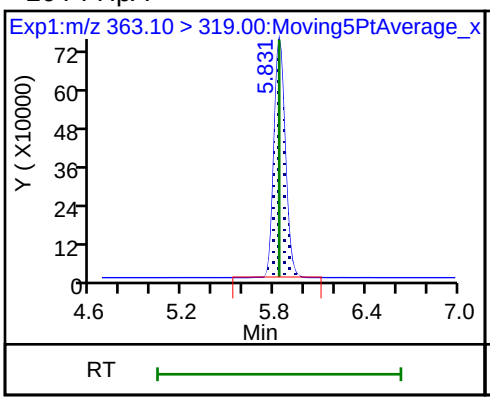
24 PFEESA



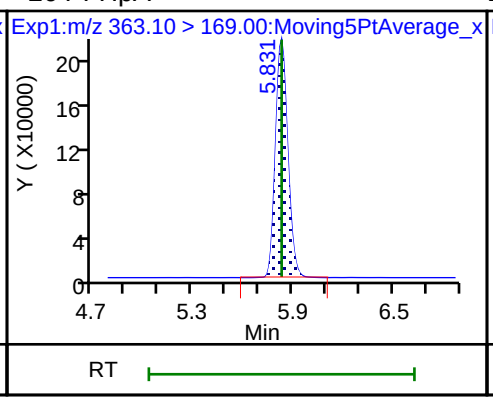
24 PFEESA



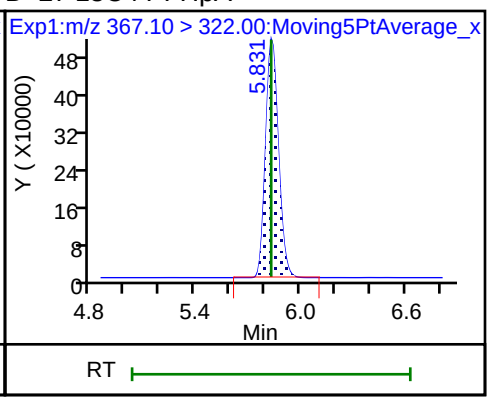
26 PFHpA



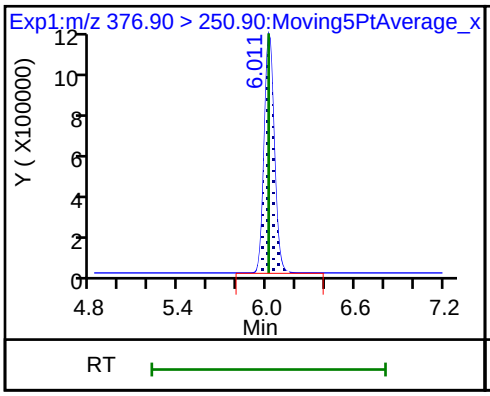
26 PFHpA



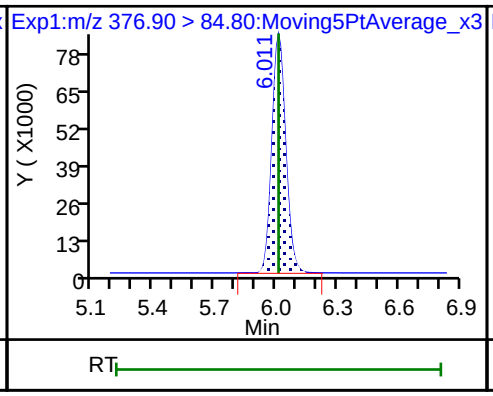
D 27 13C4 PFHpA



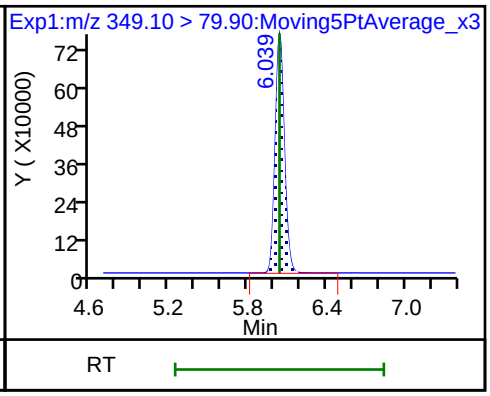
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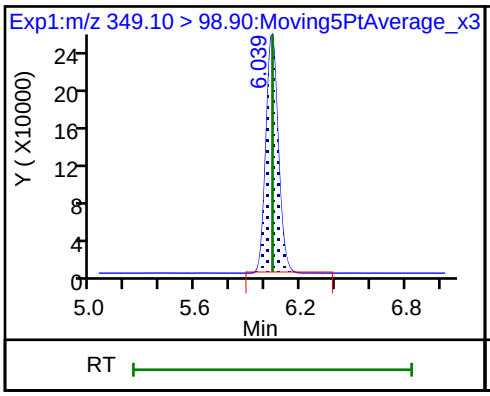
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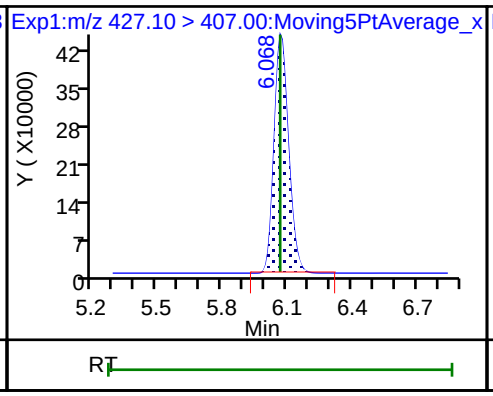
29 PFPeS



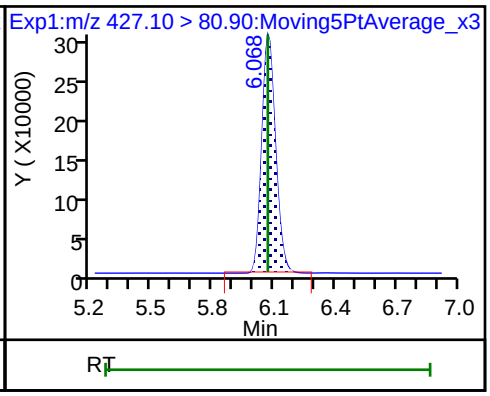
29 PFPeS



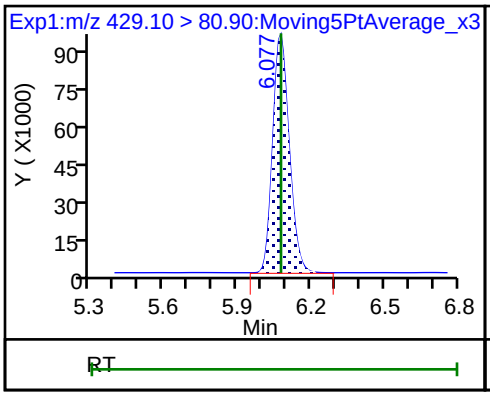
30 6:2FTS



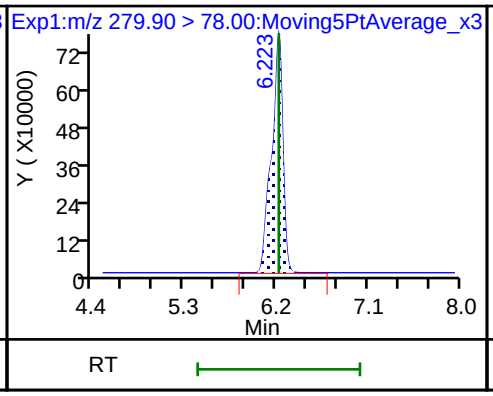
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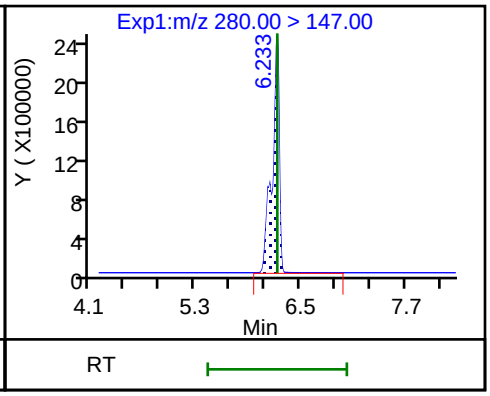
D 31 13C2-6:2FTS



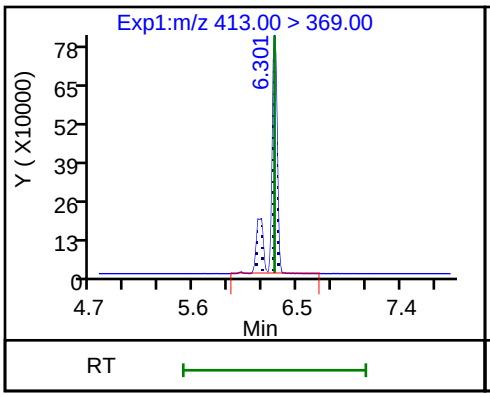
33 FBSA



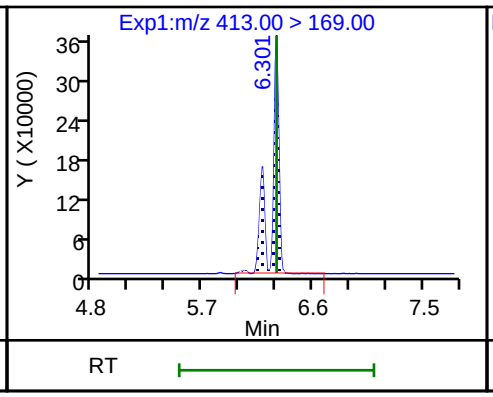
32 BTS



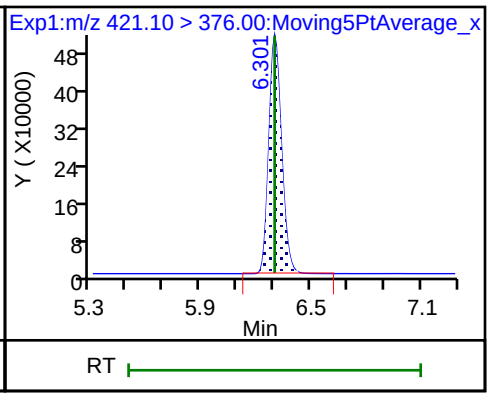
36 PFOA



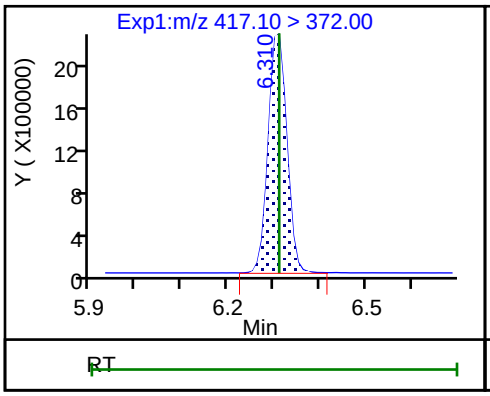
36 PFOA



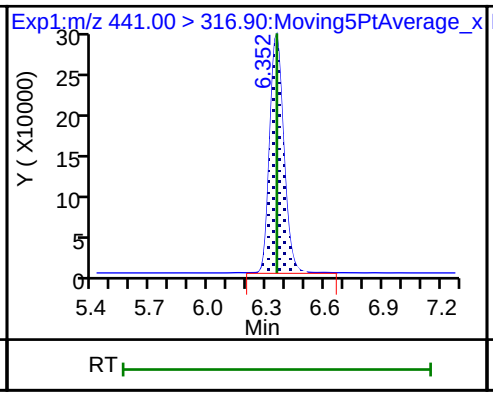
D 34 13C8 PFOA



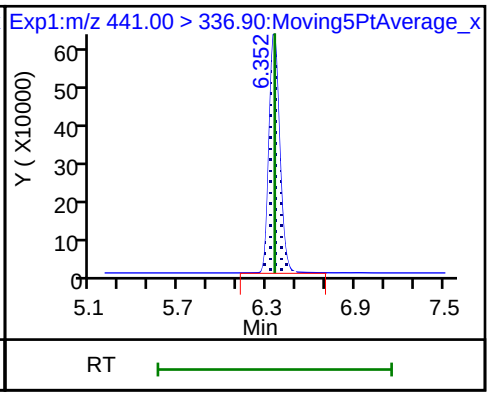
* 35 13C4 PFOA



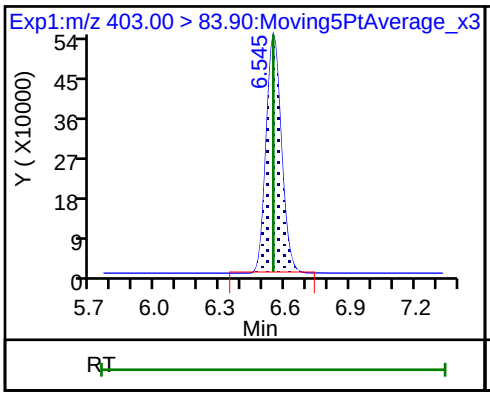
37 7:3 FTCA



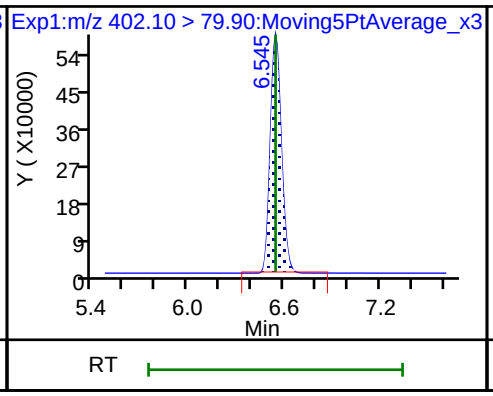
37 7:3 FTCA



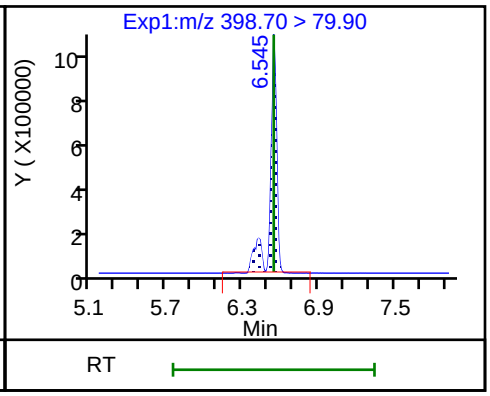
* 38 18O2 PFHxS



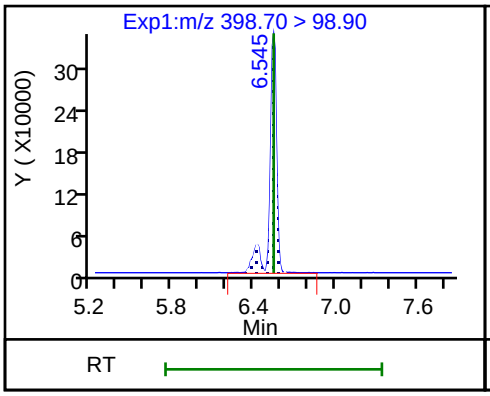
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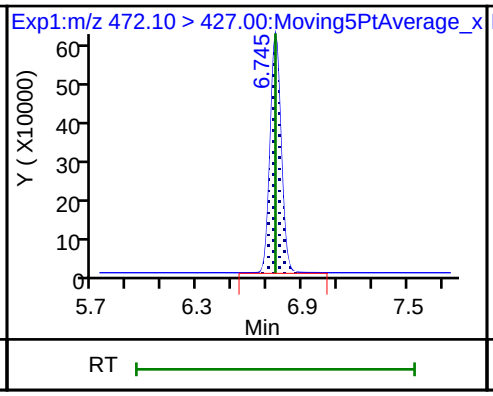
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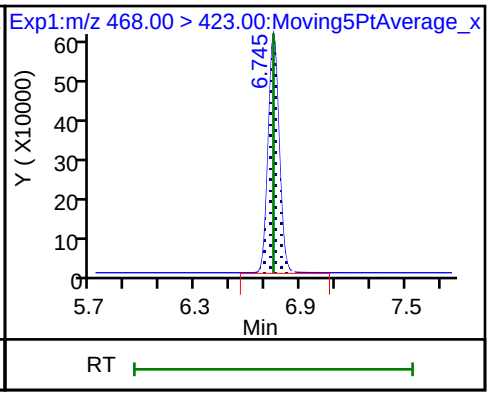
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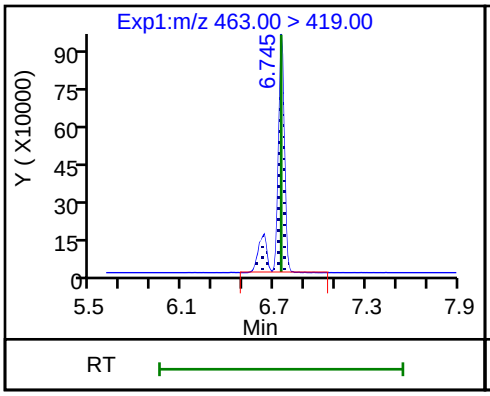
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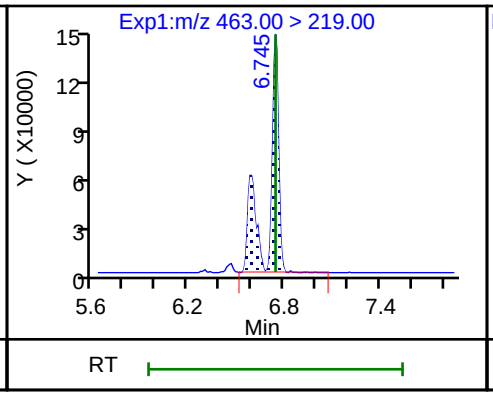
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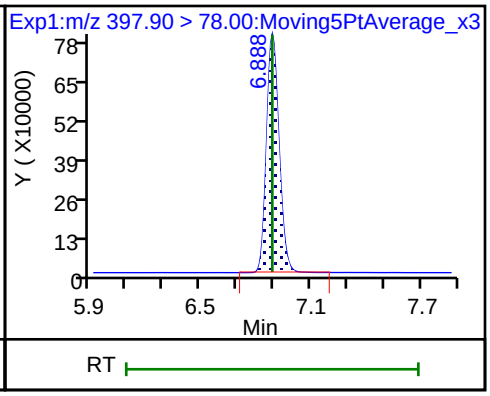
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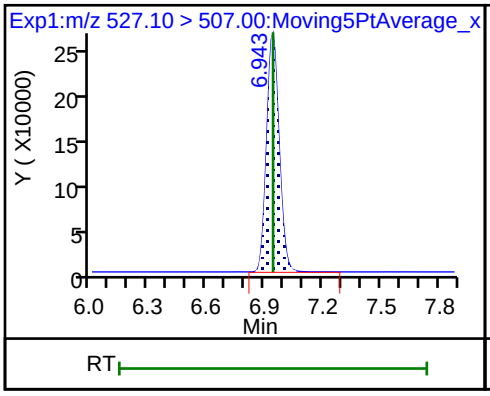
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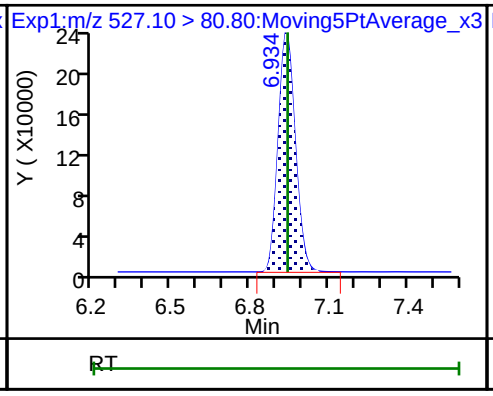
48 FHxSA



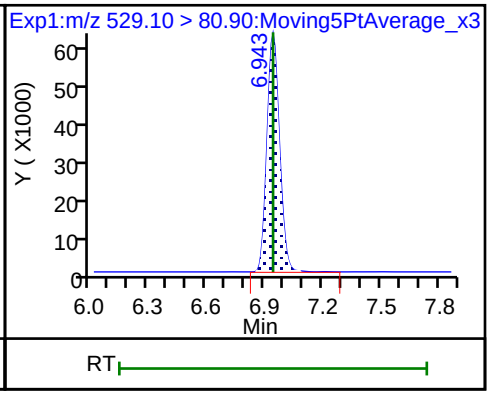
44 8:2FTS



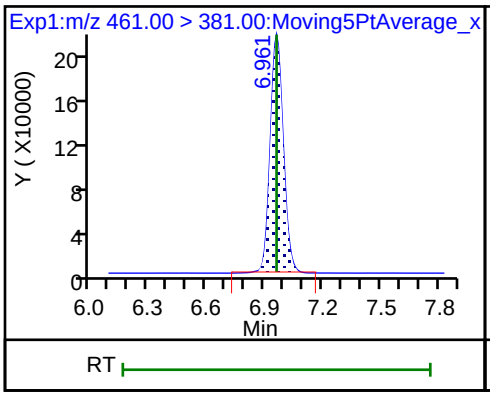
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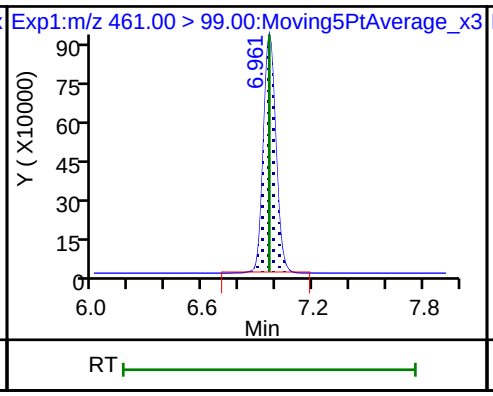
D 45 13C2-8:2FTS



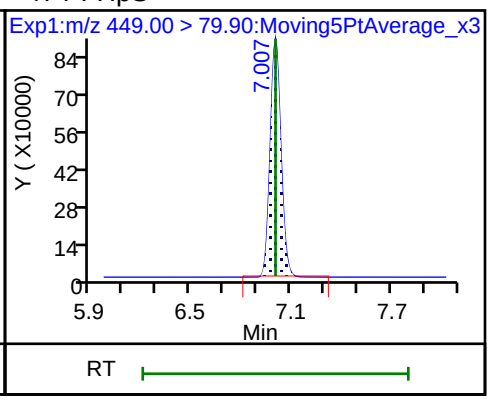
46 PFECHS



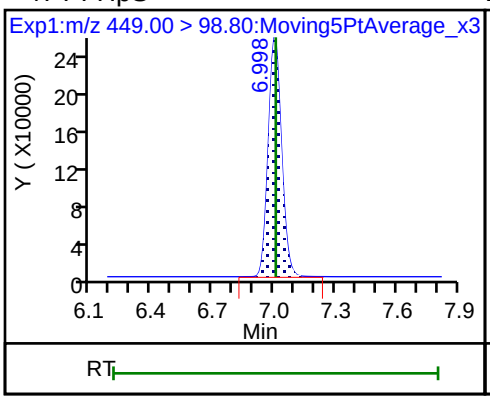
46 PFECHS



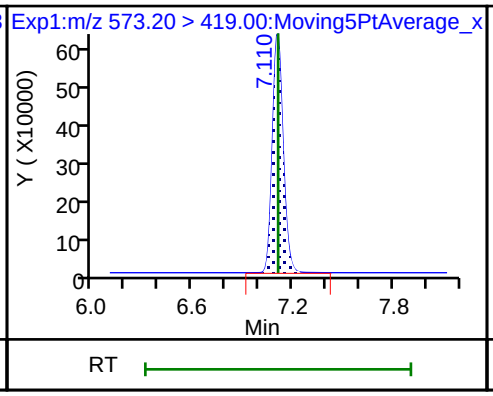
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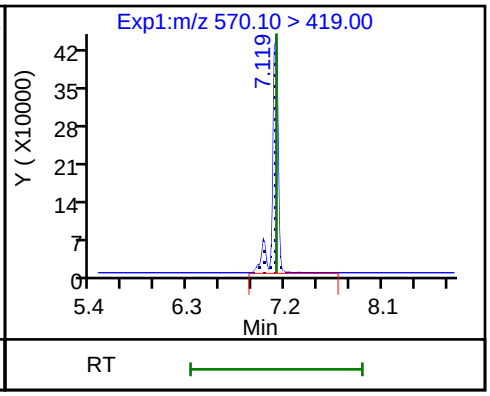
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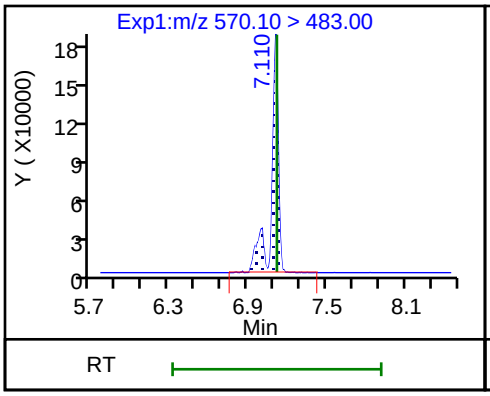
D 50 d3-NMeFOSAA



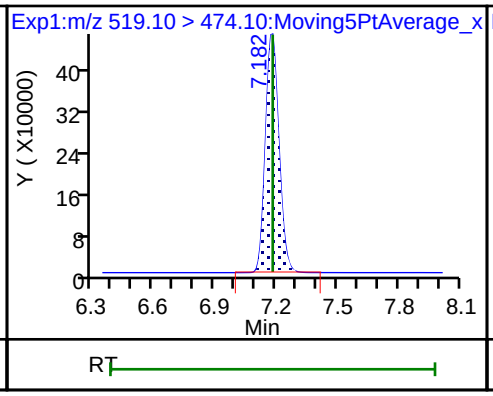
49 NMeFOSAA



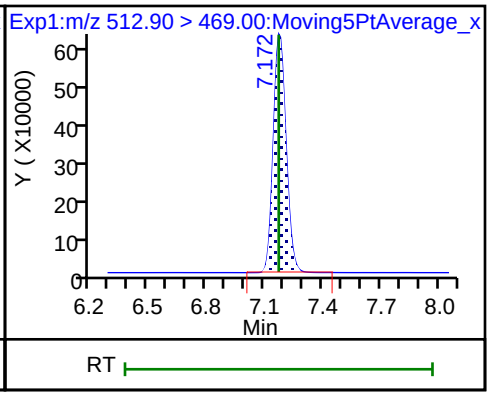
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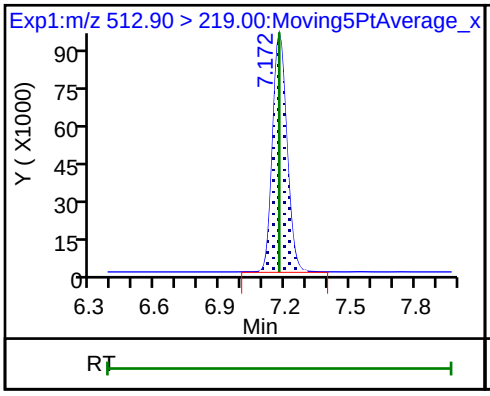
D 53 13C6 PFDA



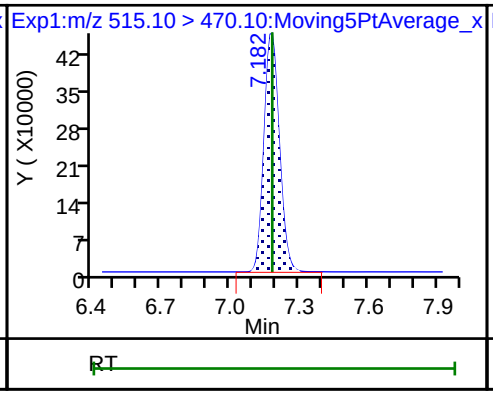
51 PFDA



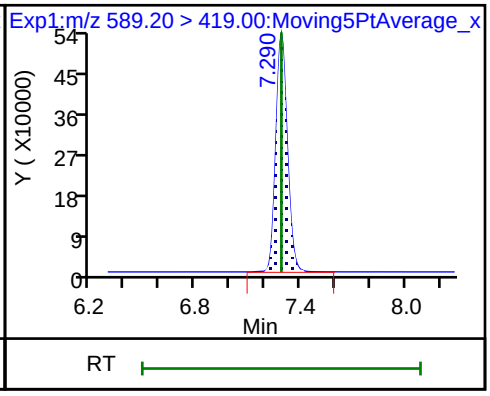
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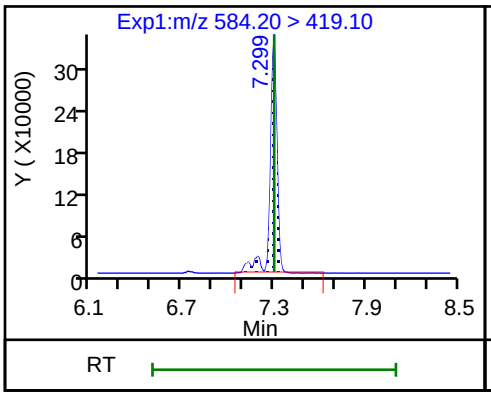
* 52 13C2 PFDA



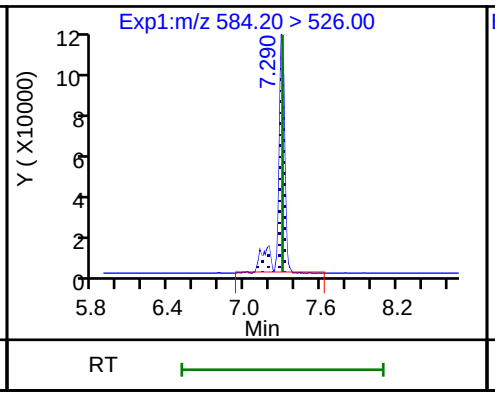
D 54 d5-NEtFOSAA



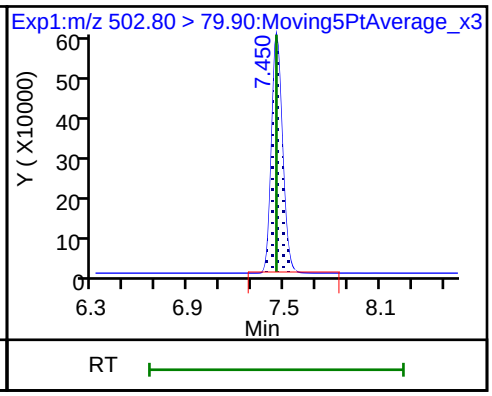
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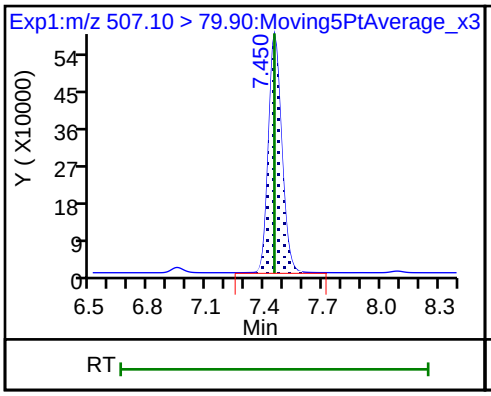
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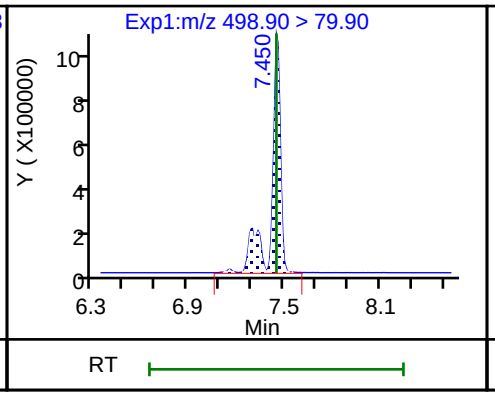
* 57 13C4 PFOS



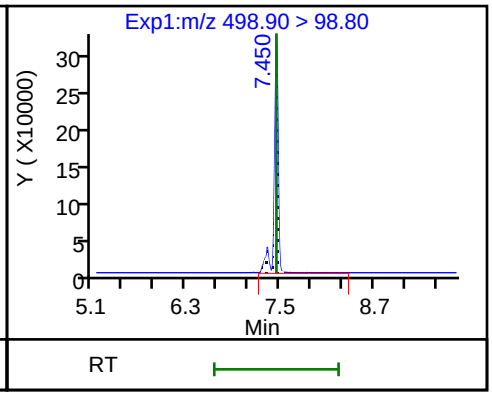
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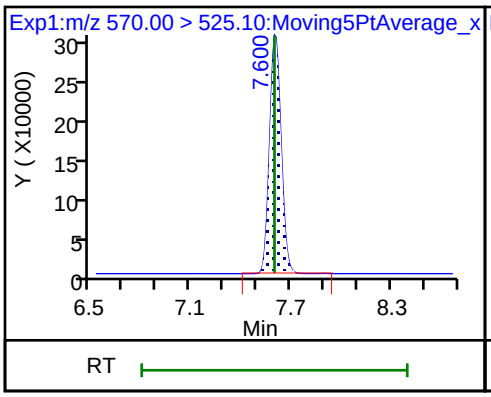
58 PFOS



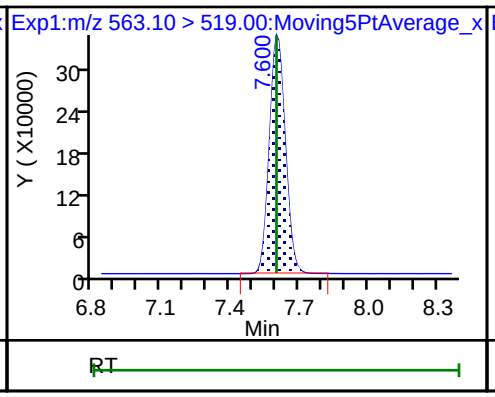
58 PFOS



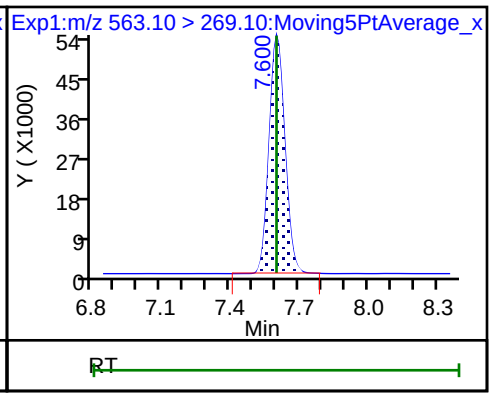
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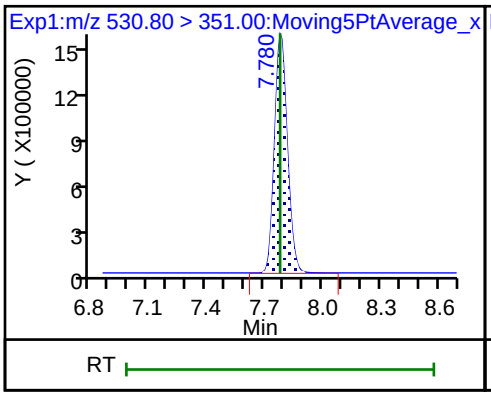
59 PFUnA



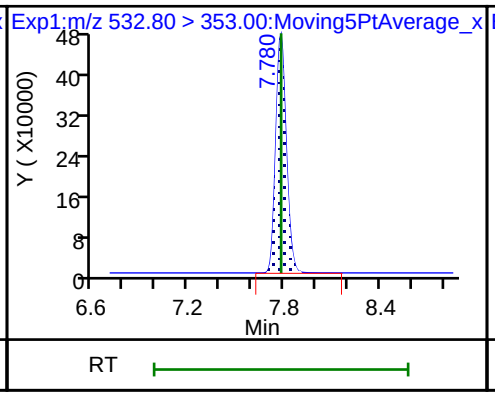
59 PFUnA



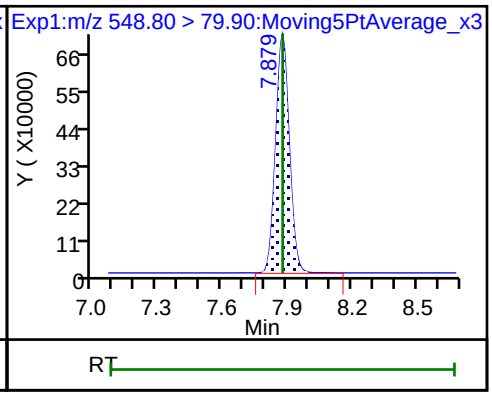
61 9ClFOS



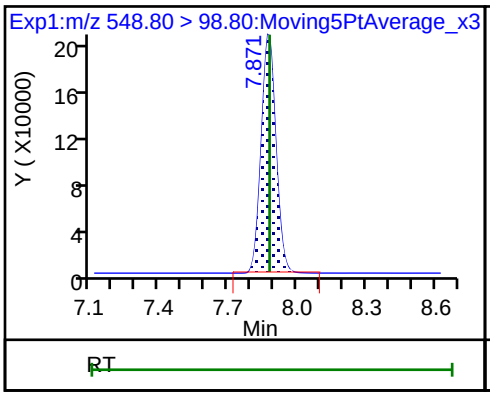
61 9ClFOS



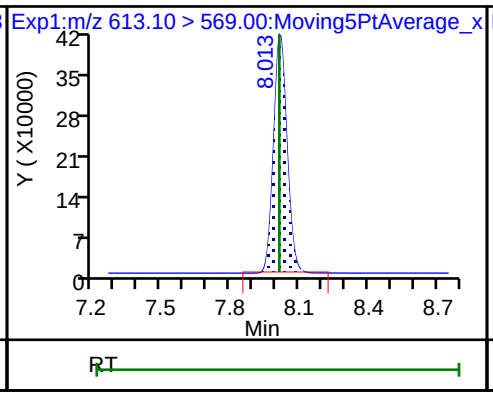
62 PFNS



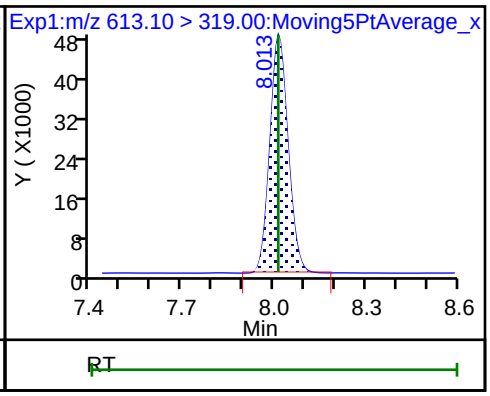
62 PFNS



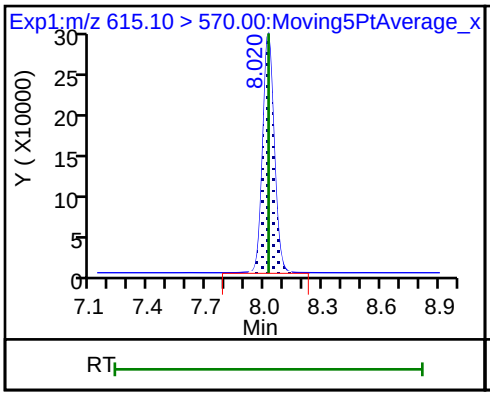
63 PFDoA



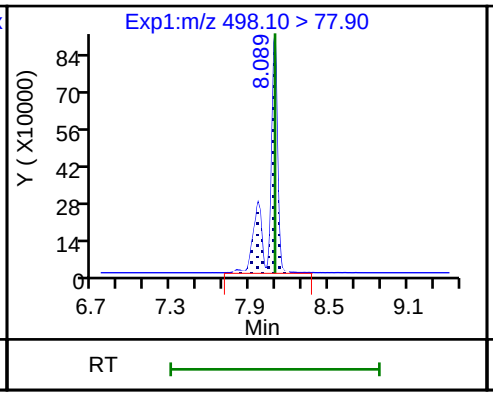
63 PFDoA



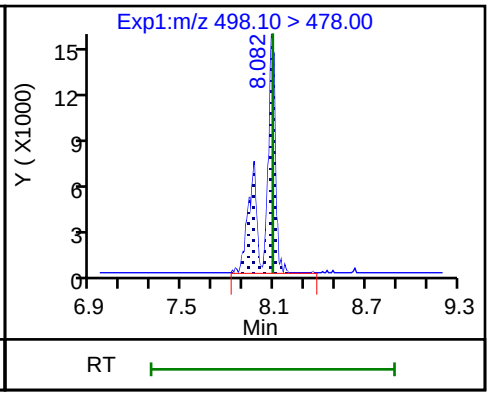
D 64 PFDoA



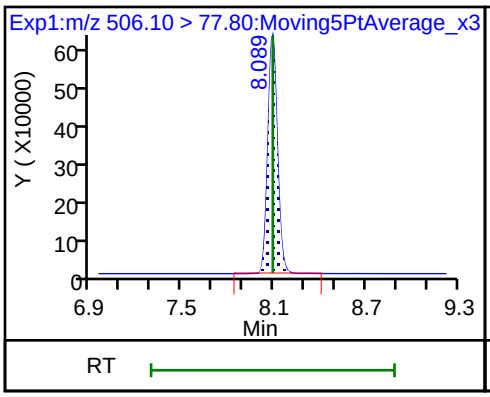
65 PFOSA



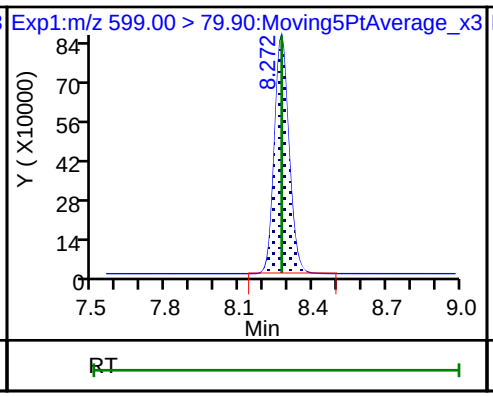
65 PFOSA



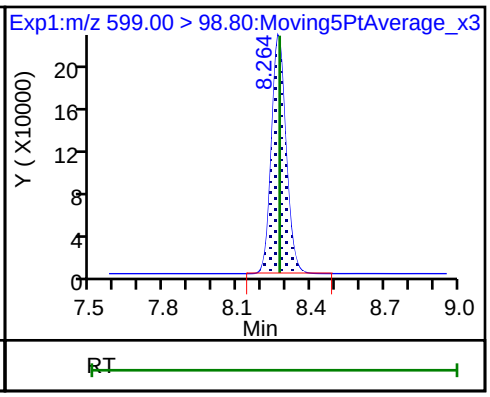
D 66 13C8 FOSA



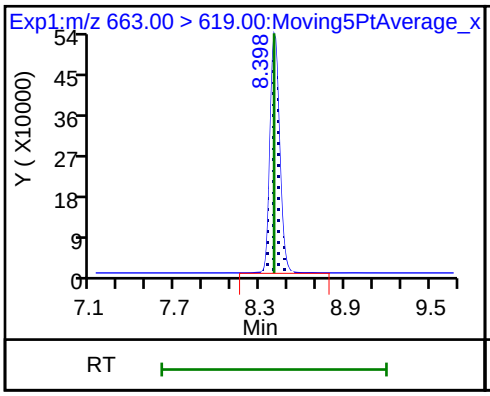
67 PFDS



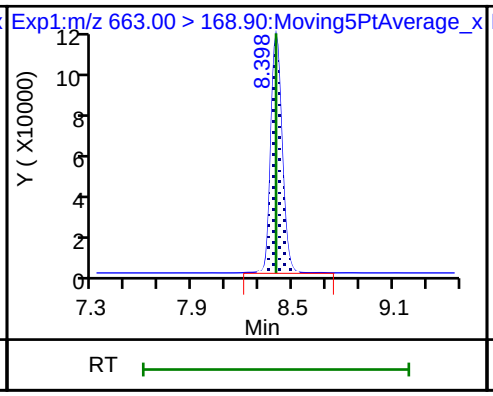
67 PFDS



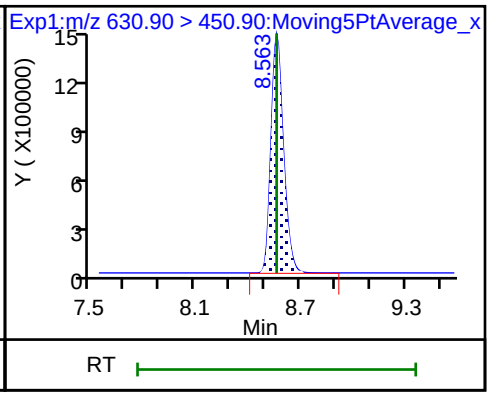
68 PFTrDA



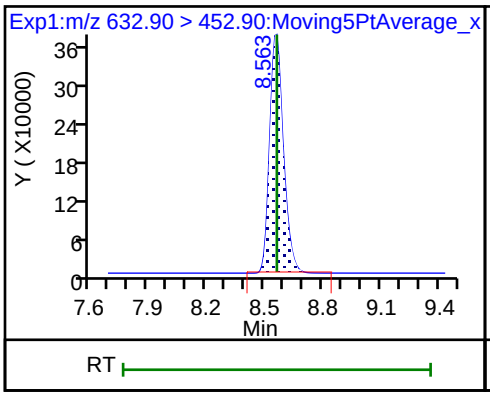
68 PFTrDA



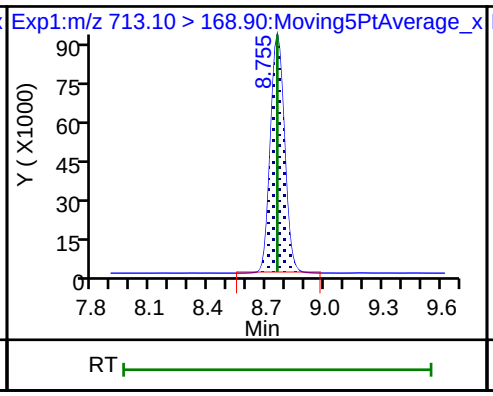
69 11ClFOS



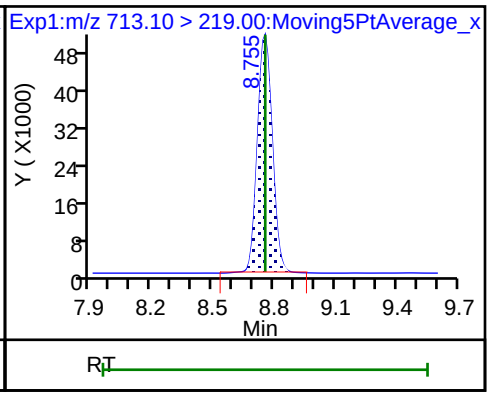
69 11ClFOS



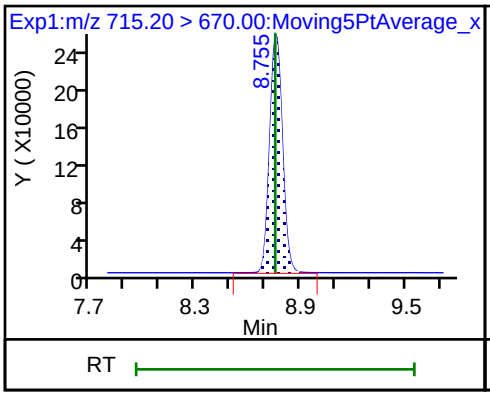
70 PFTeDA



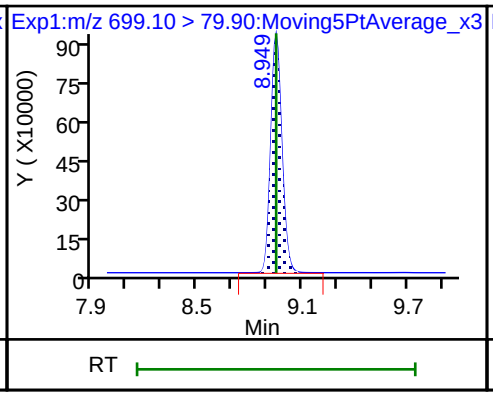
70 PFTeDA



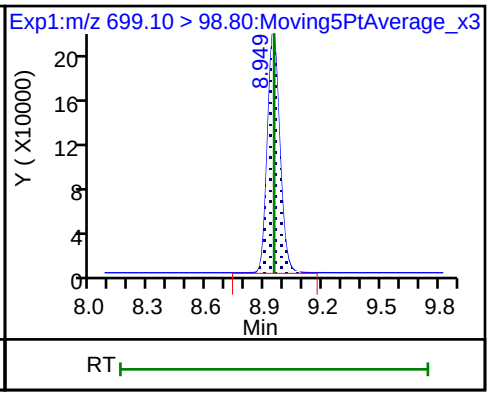
D 71 13C2 PFTeDA



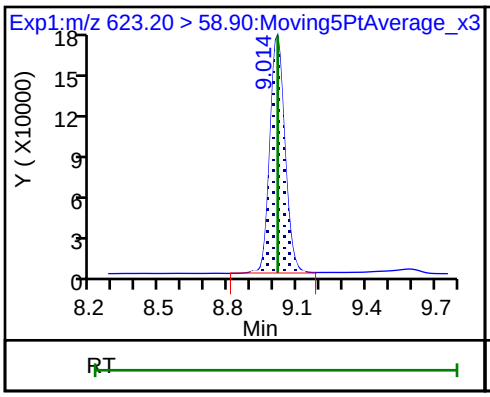
72 PFDoS



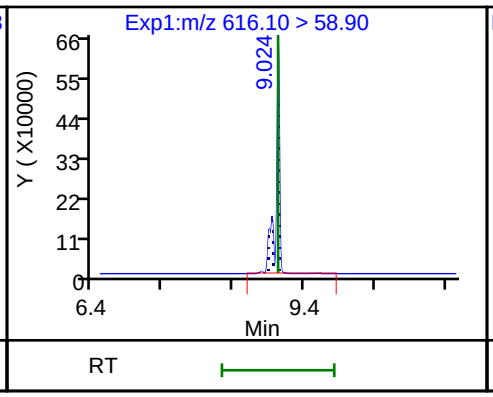
72 PFDoS



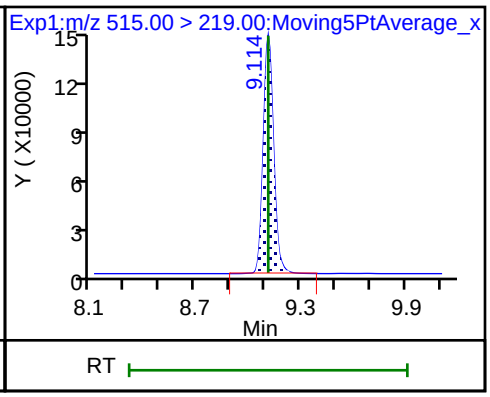
D 73 d7-N-Me-FOSE



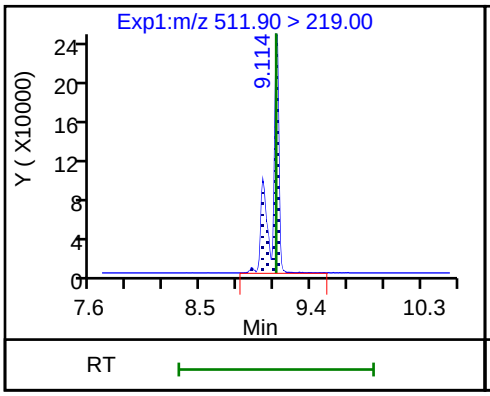
74 N-MeFOSE-M



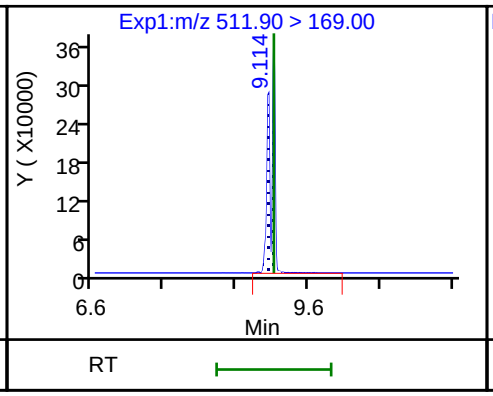
D 75 d3-NMePFOSA



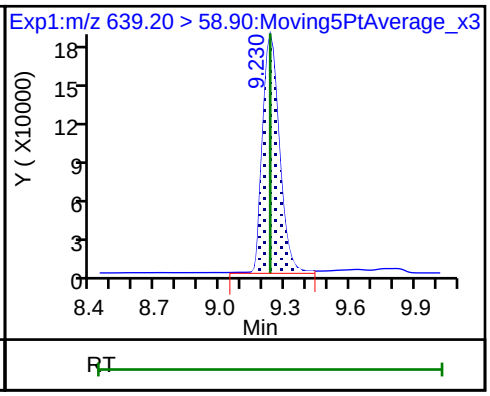
76 NMeFOSA



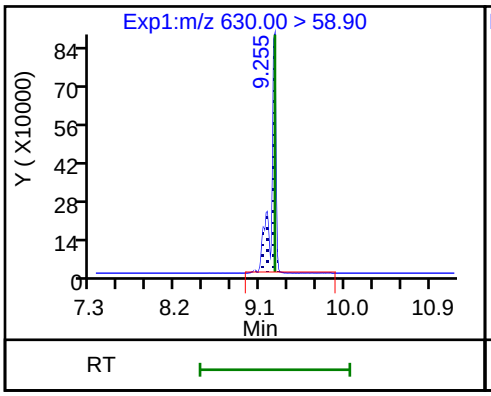
76 NMeFOSA



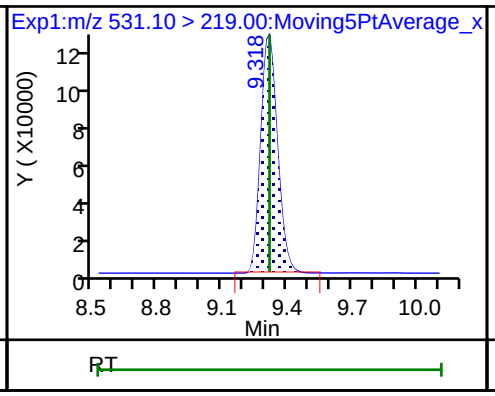
D 77 d9-N-EtFOSE



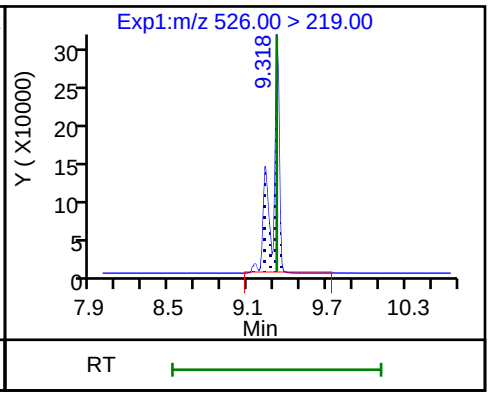
78 N-EtFOSE-M



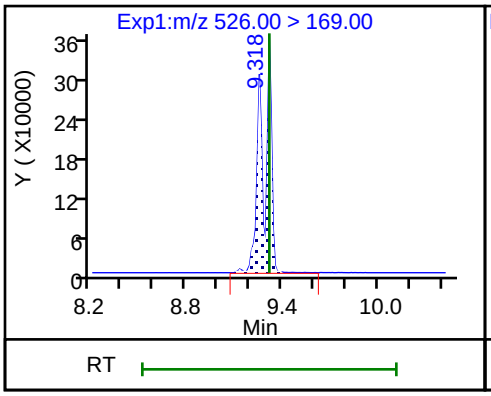
D 79 d5-NEtPFOSA



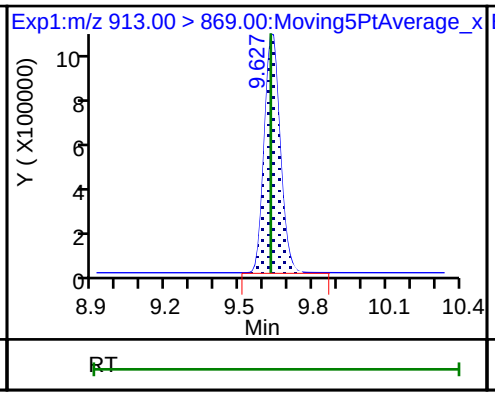
80 N-EtFOSA-M



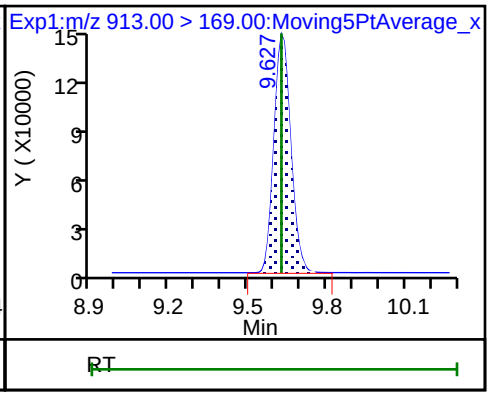
80 N-EtFOSA-M



81 Perfluorooctadecanoic acid



81 Perfluorooctadecanoic acid



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-06.d
Lims ID: IC CAL 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 27-Feb-2025 16:21:27 ALS Bottle#: 20007 Worklist Smp#: 6
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: IC CAL 6
Misc. Info.: Plate: 1 Rack: 1 410-0139404-006
Operator ID: US19_USR_INS00012E Instrument ID: 29347
Sublist: chrom-29347_1633Final*sub1

Method: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\29347_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 27-Feb-2025 19:05:40 Calib Date: 27-Feb-2025 16:49:35
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1602

First Level Reviewer: LDU5 Date: 27-Feb-2025 17:42:37
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C3PFPrA										
166.00 > 121.00	1.840	1.832	0.008	0.445	889542	1.84		92.1	270	
2 Perfluoropropionic acid										
163.00 > 119.00	1.849	1.832	0.017	1.005	11173870	23.9		95.8	99.1	
D 4 13C4-PFBA										
216.80 > 171.90	4.129	4.147	-0.018	0.998	2307305	2.04		102	70846	
3 PFBA										
212.80 > 168.90	4.129	4.147	-0.018	1.000	10601519	9.46		94.6	34423	
* 5 13C3PFBA										
216.00 > 172.00	4.135	4.153	-0.018		1978058	2.00			592	
7 PFMPA										
229.00 > 84.90	4.377	4.399	-0.022	0.923	5011392	4.84		96.7	91179	
6 3:3 FTCA										
241.00 > 177.00	4.377	4.399	-0.022	0.923	629787	9.76	Target=1.12	97.6	29173	
241.00 > 117.00	4.377	4.399	-0.022	0.923	547699		1.15(0.56-1.67)	97.6	7100	
8 PFPA										
263.00 > 219.00	4.732	4.762	-0.030	0.998	3866065	4.85		97.0	55781	
D 9 13C5 PFPeA										
268.30 > 223.00	4.742	4.762	-0.020	0.895	996817	2.00		99.9	42963	
10 PFMBA										
279.00 > 85.10	4.921	4.941	-0.021	1.038	4264268	4.78		95.7	107949	
11 4:2FTS										
327.10 > 307.00	5.081	5.100	-0.019	0.999	3793320	8.97	Target=1.53	96.1	164691	
327.10 > 80.90	5.081	5.100	-0.019	0.999	2407264		1.58(0.76-2.29)	96.1	43667	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.088	5.107	-0.019	0.779	584849	4.83		103	31865	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.245	5.269	-0.024	0.990	1268190	4.70	Target=17.76	94.0	63873	
295.00 > 84.90	5.245	5.269	-0.024	0.990	73940		17.15(8.88-26.65)	94.0	4965	
16 PFHxA										
313.00 > 269.00	5.300	5.324	-0.024	1.000	4918564	4.94	Target=12.95	98.7	76625	
313.00 > 118.90	5.300	5.324	-0.024	1.000	381046		12.91(6.47-19.42)	98.7	25526	
* 15 13C2 PFHxA										
315.10 > 270.00	5.300	5.324	-0.024		4829489	5.00			162131	
D 17 13C5 PFHxA										
318.00 > 273.00	5.300	5.324	-0.024	1.000	2119421	2.03		102	106844	
18 5:3 FTCA										
341.00 > 237.10	5.397	5.414	-0.017	1.018	3248742	22.9	Target=2.90	91.6	58710	
341.00 > 217.00	5.386	5.414	-0.028	1.016	1164278		2.79(1.45-4.35)	91.6	38769	
19 PFBS										
298.70 > 79.90	5.451	5.469	-0.018	1.000	7126560	4.24	Target=3.01	95.5	206302	
298.70 > 98.80	5.440	5.469	-0.029	0.998	2302304		3.10(1.51-4.52)	95.5	83396	
D 20 13C3 PFBS										
302.10 > 79.90	5.451	5.469	-0.018	0.835	2869612	1.95		105	103406	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.520	5.538	-0.018	1.041	1329981	1.98		99.0	60348	
21 HFPO-DA										
284.90 > 168.90	5.520	5.538	-0.018	1.000	2762395	3.62	Target=15.29	96.6	71723	
284.90 > 184.90	5.520	5.538	-0.018	1.000	190687		14.49(7.65-22.94)	96.6	11575	
24 PFEESA										
314.80 > 134.90	5.735	5.754	-0.019	1.082	19945395	4.29	Target=13.00	96.2	523775	
314.80 > 82.90	5.724	5.754	-0.030	1.080	1506208		13.24(6.50-19.50)	96.2	39443	
26 PFHpA										
363.10 > 319.00	5.812	5.831	-0.019	1.000	6510878	4.86	Target=3.19	97.3	177014	
363.10 > 169.00	5.812	5.831	-0.019	1.000	1987326		3.28(1.60-4.79)	97.3	126373	
D 27 13C4 PFHpA										
367.10 > 322.00	5.812	5.831	-0.019	1.097	2633778	2.06		103	125675	
28 ADONA										
376.90 > 250.90	5.993	6.011	-0.018	1.086	9712399	4.40	Target=14.18	93.0	496936	
376.90 > 84.80	5.993	6.011	-0.018	1.086	662811		14.65(7.09-21.26)	93.0	44958	
29 PFPeS										
349.10 > 79.90	6.022	6.039	-0.017	0.923	6474087	4.34	Target=2.90	92.4	293327	
349.10 > 98.90	6.022	6.039	-0.017	0.923	2194261		2.95(1.45-4.36)	92.4	99031	
30 6:2FTS										
427.10 > 407.00	6.051	6.068	-0.017	0.998	3621534	9.05	Target=1.45	95.5	258410	
427.10 > 80.90	6.051	6.068	-0.017	0.998	2606091		1.39(0.72-2.17)	95.5	138060	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.060	6.077	-0.017	0.929	405423	4.82		101	28657	
33 FBSA										
279.90 > 78.00	6.216	6.223	-0.007	1.140	10447156	4.73		94.7	407800	
32 BTS										M
280.00 > 147.00	6.216	6.233	-0.017	0.952	22420996	4.29		87.6	494	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
36 PFOA										
413.00 > 369.00	6.284	6.301	-0.017	1.000	5690573	5.01	Target=2.12	100	221468	
413.00 > 169.00	6.284	6.301	-0.017	1.000	2615909		2.18(1.06-3.17)	100	659556	
D 34 13C8 PFOA										
421.10 > 376.00	6.284	6.301	-0.017	1.000	2494317	2.02		101	170253	
* 35 13C4 PFOA										
417.10 > 372.00	6.284	6.310	-0.026		6091133	5.00			690215	
37 7:3 FTCA										
441.00 > 316.90	6.335	6.352	-0.017	1.195	2771631	24.4	Target=0.48	97.7	111760	
441.00 > 336.90	6.335	6.352	-0.017	1.195	5767297		0.48(0.24-0.71)	97.7	116772	
* 38 18O2 PFHxS										
403.00 > 83.90	6.527	6.545	-0.018		2571278	1.89			169501	
D 39 13C3 PFHxS										
402.10 > 79.90	6.527	6.545	-0.018	1.000	2707423	2.03		107	133764	
40 PFHxS										
398.70 > 79.90	6.527	6.545	-0.018	1.000	6636294	4.45	Target=2.92	97.6	810386	
398.70 > 98.90	6.527	6.545	-0.018	1.000	2242656		2.96(1.46-4.39)	97.6	626585	
42 PFNA										
463.00 > 419.00	6.729	6.745	-0.015	1.000	5561856	5.08	Target=5.06	102	904023	
463.00 > 219.00	6.729	6.745	-0.015	1.000	1100193		5.06(2.53-7.59)	102	1121	
D 41 13C9 PFNA										
472.10 > 427.00	6.729	6.745	-0.015	1.000	2562426	2.00		100	191803	
* 43 13C5 PFNA										
468.00 > 423.00	6.729	6.745	-0.015		2616289	2.00			196965	
48 FHxSA										
397.90 > 78.00	6.881	6.888	-0.007	1.054	7090452	4.79		95.7	147826	
44 8:2FTS										
527.10 > 507.00	6.926	6.943	-0.017	1.000	2128107	9.55	Target=1.11	99.6	117480	
527.10 > 80.80	6.926	6.943	-0.017	1.000	1950702		1.09(0.55-1.66)	99.6	107491	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.926	6.943	-0.017	1.061	247547	4.69		97.7	18290	
46 PFECHS										
461.00 > 381.00	6.945	6.961	-0.016	1.064	1843222	4.48	Target=0.23	96.9	128525	
461.00 > 99.00	6.945	6.961	-0.016	1.064	8031868		0.23(0.12-0.34)	96.9	337428	
47 PFHpS										
449.00 > 79.90	6.990	7.007	-0.017	0.940	7064191	4.60	Target=3.38	96.4	380128	
449.00 > 98.80	6.990	7.007	-0.017	0.940	2042623		3.46(1.69-5.07)	96.4	146602	
D 50 d3-NMeFOSAA										
573.20 > 419.00	7.094	7.110	-0.016	0.954	2658574	5.05		101	118737	
49 NMeFOSAA										
570.10 > 419.00	7.094	7.119	-0.025	1.000	2772258	4.97	Target=2.33	99.4	3486	
570.10 > 483.00	7.094	7.119	-0.025	1.000	1168171		2.37(1.16-3.49)	99.4	1106	
51 PFDA										
512.90 > 469.00	7.165	7.172	-0.007	1.000	5265010	4.61	Target=6.26	92.1	230436	
512.90 > 219.00	7.155	7.172	-0.017	0.999	838767		6.28(3.13-9.39)	92.1	61023	
D 53 13C6 PFDA										
519.10 > 474.10	7.165	7.182	-0.017	1.000	2171444	1.99		99.5	119423	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 52 13C2 PFDA										
515.10 > 470.10	7.165	7.182	-0.017		2129496	2.00			117378	
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.283	7.290	-0.007	0.979	2196435	4.85		97.0	117813	
55 NEtFOSAA										
584.20 > 419.10	7.292	7.299	-0.006	1.001	1789639	4.91	Target=2.76	98.2	135320	
584.20 > 526.00	7.283	7.299	-0.015	1.000	648550		2.76(1.38-4.14)	98.2	1403	
* 57 13C4 PFOS										
502.80 > 79.90	7.435	7.450	-0.015		2763877	1.91			114675	
D 56 13C8 PFOS										
507.10 > 79.90	7.435	7.450	-0.015	1.000	2655295	1.95		102	6057	
58 PFOS										
498.90 > 79.90	7.435	7.450	-0.015	1.000	7224830	4.56	Target=3.93	98.0	250200	
498.90 > 98.80	7.444	7.450	-0.006	1.001	1848894		3.91(1.97-5.89)	98.0	1312	
D 60 13C7 PFUnA										
570.00 > 525.10	7.594	7.600	-0.006	1.060	1413189	1.82		90.9	97070	
59 PFUnA										
563.10 > 519.00	7.594	7.600	-0.006	1.000	3136096	5.01	Target=6.78	100	129467	
563.10 > 269.10	7.594	7.600	-0.006	1.000	460228		6.81(3.39-10.17)	100	23622	
61 9ClFOS										
530.80 > 351.00	7.775	7.780	-0.006	1.409	12662163	4.44	Target=3.19	95.1	684297	
532.80 > 353.00	7.766	7.780	-0.014	1.407	4045625		3.13(1.59-4.78)	95.1	222140	
62 PFNS										
548.80 > 79.90	7.865	7.879	-0.014	1.058	5940172	4.79	Target=3.47	99.6	191967	
548.80 > 98.80	7.865	7.879	-0.014	1.058	1695768		3.50(1.73-5.20)	99.6	126775	
63 PFDoA										
613.10 > 569.00	8.008	8.013	-0.005		3068308	4.82	Target=8.09	96.5	150026	
613.10 > 319.00	8.001	8.013	-0.012		360034		8.52(4.04-12.13)	96.5	28950	
D 64 PFDoA										
615.10 > 570.00	8.008	8.020	-0.012	1.118	1194250	1.90		95.1	72829	
65 PFOSA										
498.10 > 77.90	8.077	8.089	-0.012	0.999	7141189	4.83	Target=54.30	96.7	1631491	
498.10 > 478.00	8.069	8.089	-0.020	0.998	127779		55.89(27.15-81.45)	96.7	337	
D 66 13C8 FOSA										
506.10 > 77.80	8.085	8.089	-0.004	1.087	2706919	2.07		104	123410	
67 PFDS										
599.00 > 79.90	8.260	8.272	-0.012	1.111	6413634	4.67	Target=3.76	96.8	312010	
599.00 > 98.80	8.260	8.272	-0.012	1.111	1658409		3.87(1.88-5.63)	96.8	133615	
68 PFTrDA										
663.00 > 619.00	8.393	8.398	-0.005	0.959	4307311	4.82	Target=4.44	96.4	232486	
663.00 > 168.90	8.393	8.398	-0.005	0.959	940805		4.58(2.22-6.65)	96.4	50655	
69 11ClFOS										
630.90 > 450.90	8.548	8.563	-0.015	1.549	12335874	4.50	Target=3.61	95.4	494883	
632.90 > 452.90	8.548	8.563	-0.015	1.549	3346677		3.69(1.80-5.41)	95.4	228664	
70 PFTeDA										
713.10 > 168.90	8.739	8.755	-0.016	0.999	796152	4.76	Target=1.85	95.2	51169	
713.10 > 219.00	8.739	8.755	-0.016	0.999	468133		1.70(0.93-2.78)	95.2	30152	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 71 13C2 PFTeDA										
715.20 > 670.00	8.750	8.755	-0.005	1.221	1262358	1.90		95.2	61964	
72 PFDoS										
699.10 > 79.90	8.936	8.949	-0.012	1.202	7390191	4.66	Target=4.41	96.1	166509	
699.10 > 98.80	8.936	8.949	-0.012	1.202	1677266		4.41(2.20-6.61)	96.1	94739	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.003	9.014	-0.011	1.211	780066	5.28		106	5248	
74 N-MeFOSE-M										
616.10 > 58.90	9.012	9.024	-0.012	1.001	4176875	23.1		92.5	588076	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.103	9.114	-0.011	1.224	597164	2.07		104	36021	
76 NMeFOSA										
511.90 > 219.00	9.112	9.114	-0.002	1.001	1614711	4.89	Target=0.56	97.8	2759	
511.90 > 169.00	9.103	9.114	-0.011	1.000	2919664		0.55(0.28-0.84)	97.8	4828	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.215	9.230	-0.015	1.239	976835	5.29		106	3658	
78 N-EtFOSE-M										
630.00 > 58.90	9.240	9.255	-0.015	1.003	5340286	23.3		93.2	15143	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.303	9.318	-0.015	1.251	672402	2.09		104	25199	
80 N-EtFOSA-M										
526.00 > 219.00	9.316	9.318	-0.002	1.001	1924189	4.73	Target=0.74	94.7	6571	
526.00 > 169.00	9.303	9.318	-0.015	1.000	2597011		0.74(0.37-1.12)	94.7	10618	
81 Perfluorooctadecanoic acid										
913.00 > 869.00	9.625	9.627	-0.002	1.100	8542135	4.89	Target=7.28	97.8	117308	
913.00 > 169.00	9.614	9.627	-0.013	1.099	1161541		7.35(3.64-10.91)	97.8	51052	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_CAL6_00018 Amount Added: 1.00 Units: mL

Report Date: 27-Feb-2025 19:05:41 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-06.d

Injection Date: 27-Feb-2025 16:21:27 Instrument ID: 29347

Lims ID: IC CAL 6

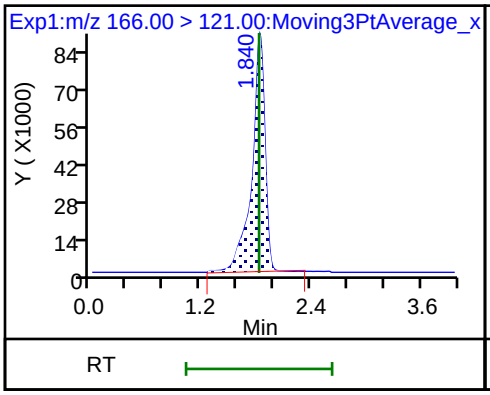
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Operator ID: US19_USR_INS00012E ALS Bottle#: 20007 Worklist Smp#: 6

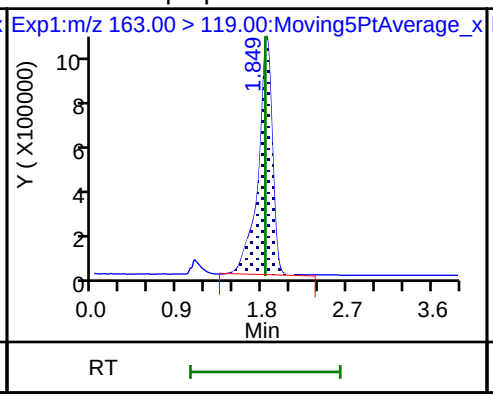
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 29347_1633Final Limit Group: LC - 1633 LVI- ICAL

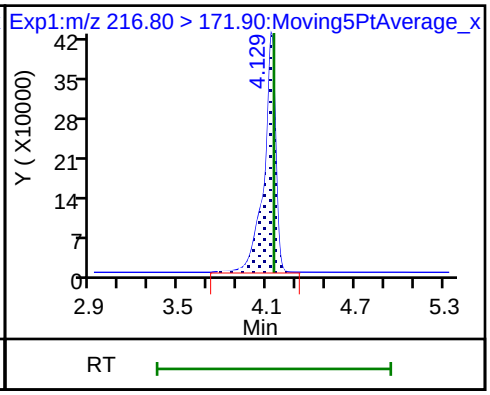
D 1 13C3PFPrA



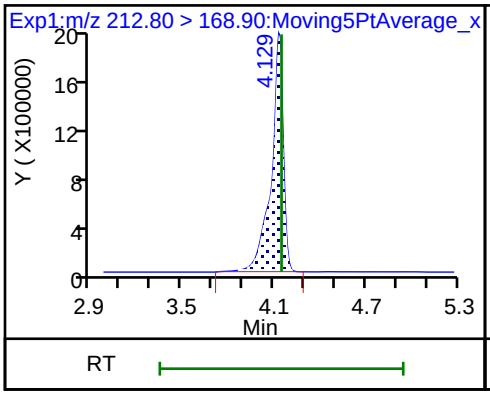
2 Perfluoropropionic acid



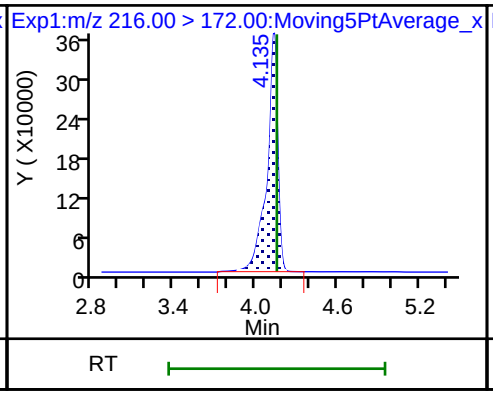
D 4 13C4-PFBA



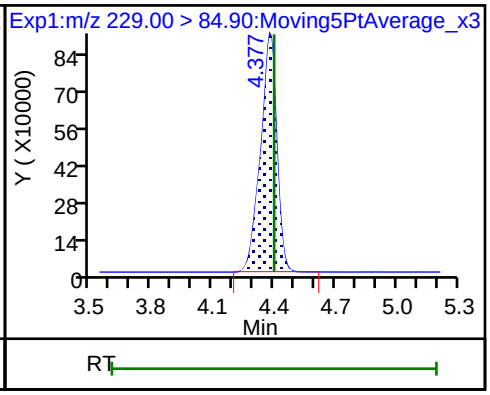
3 PFBA



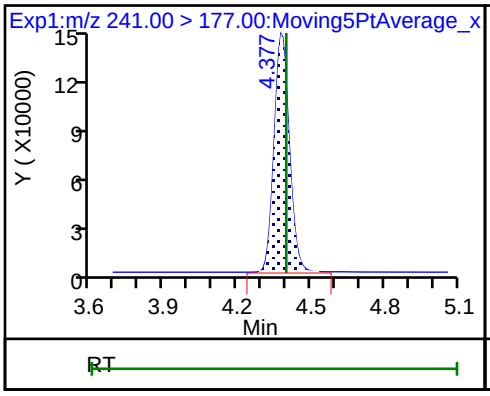
* 5 13C3PFBA



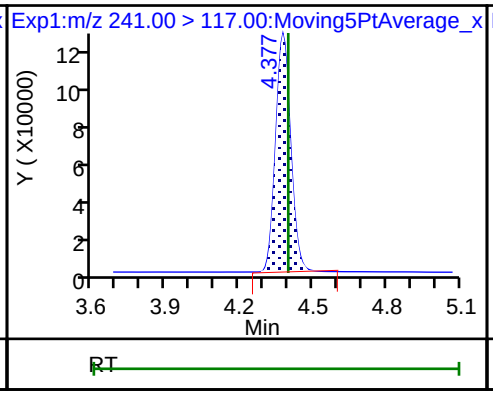
7 PFMPA



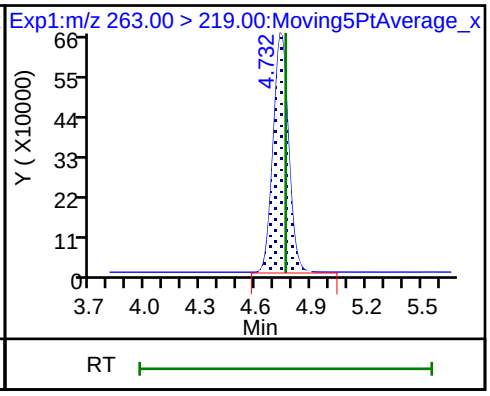
6 3:3 FTCA



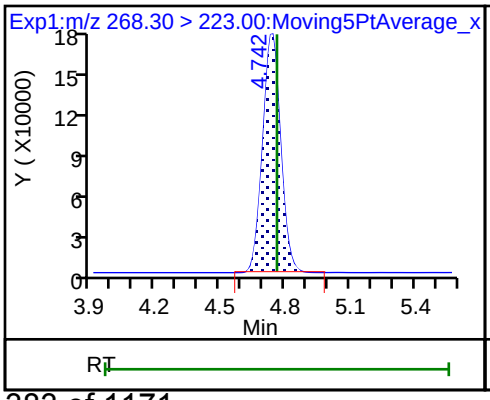
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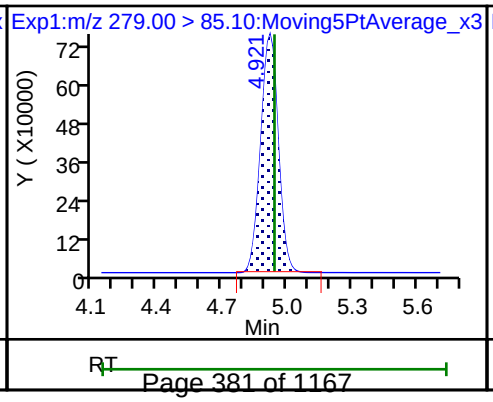
8 PFPA



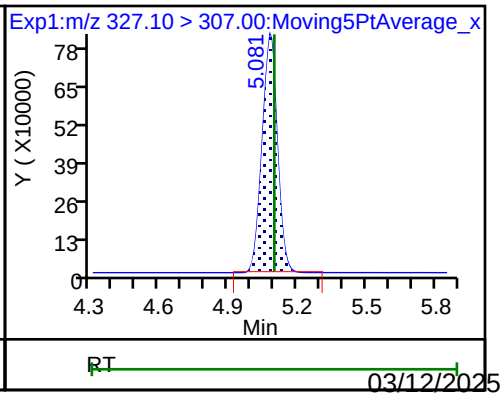
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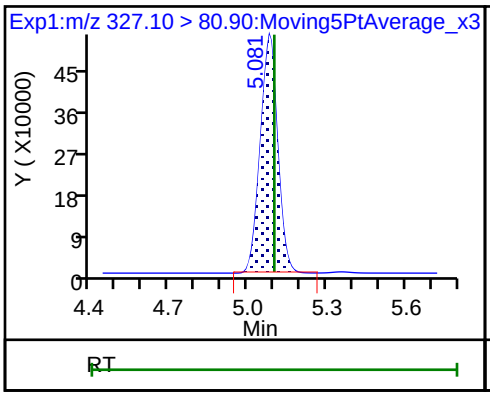
10 PFMBA



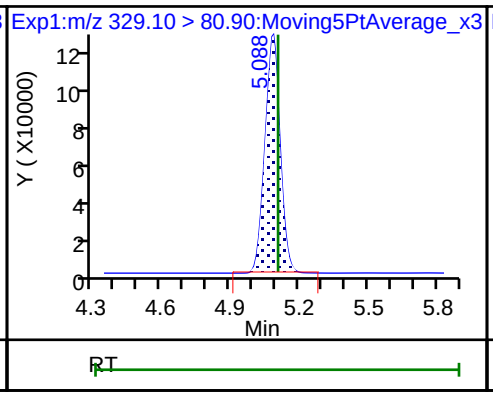
11 4:2FTS



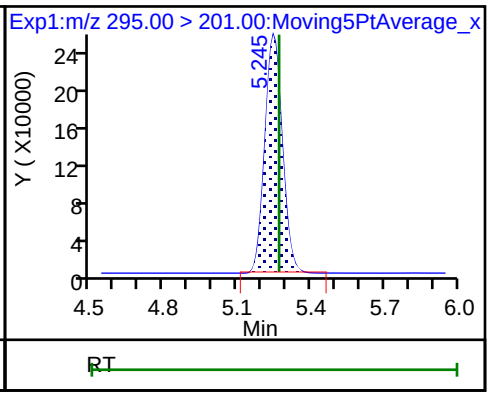
11 4:2FTS



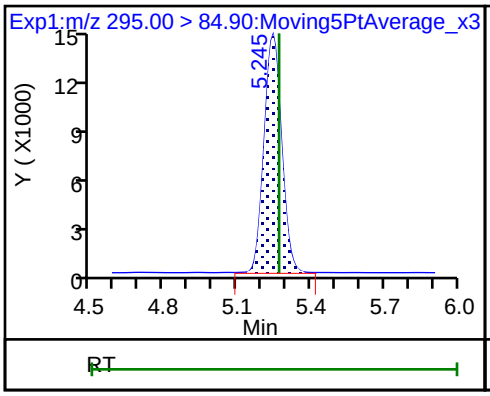
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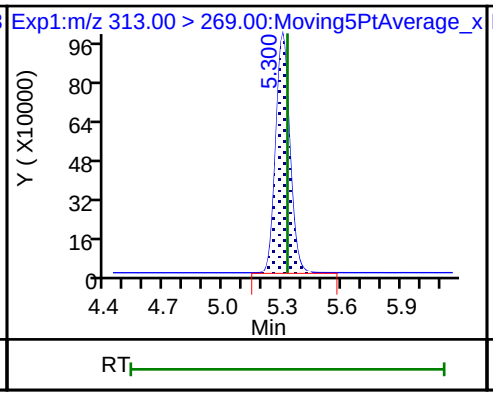
14 NFDHA



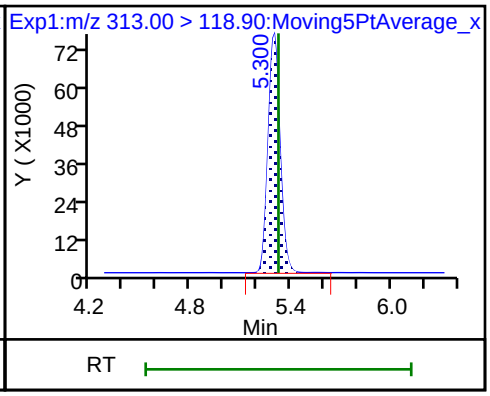
14 NFDHA



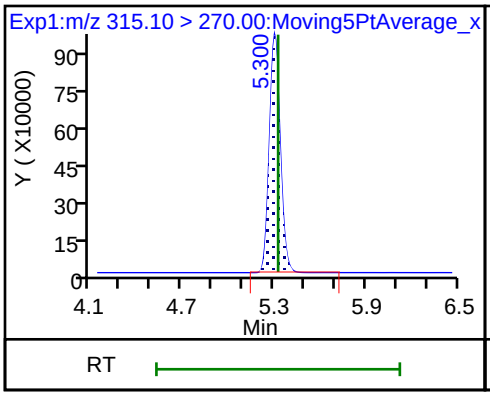
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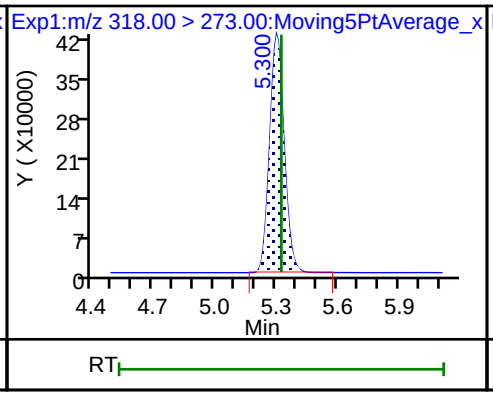
16 PFHxA



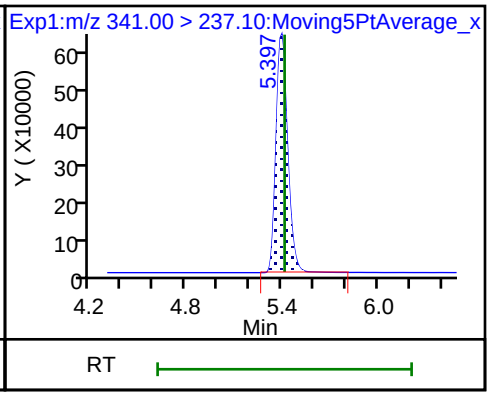
* 15 13C2 PFHxA



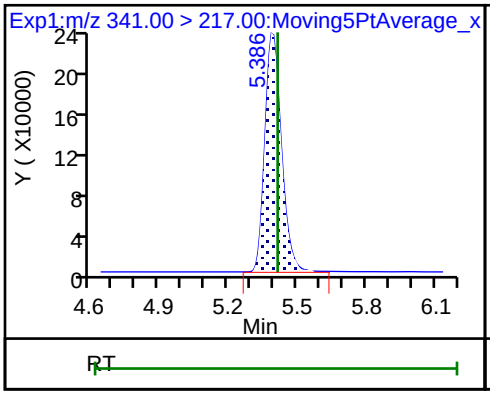
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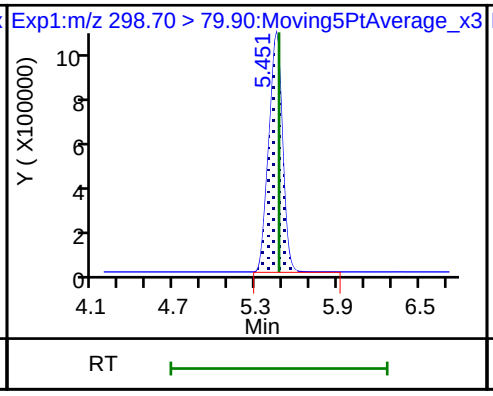
18 5:3 FTCA



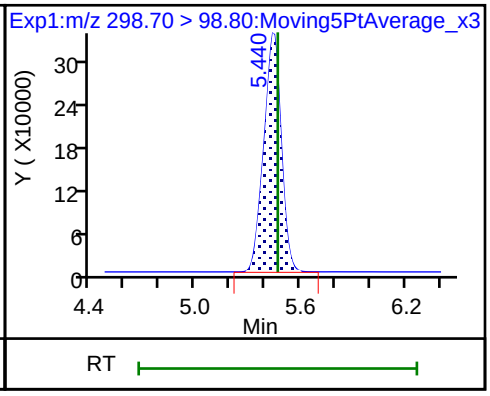
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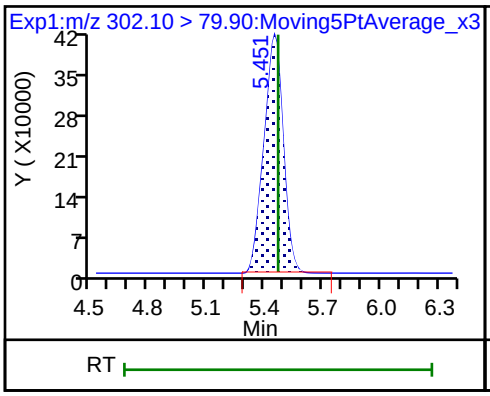
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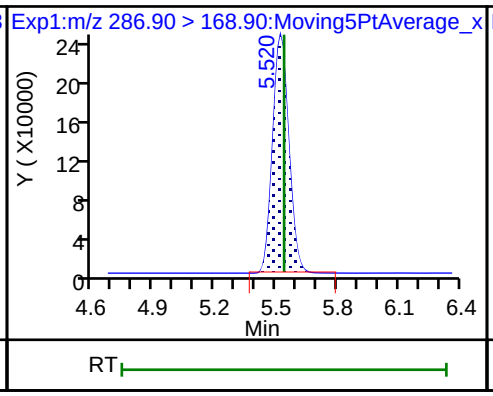
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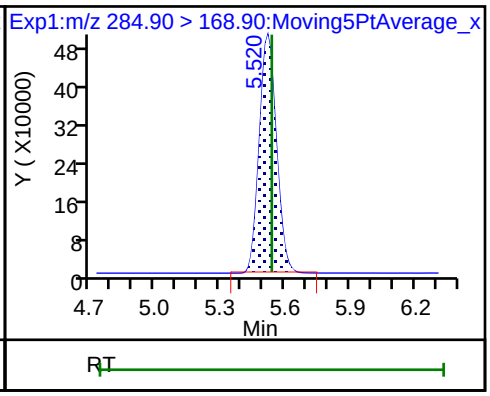
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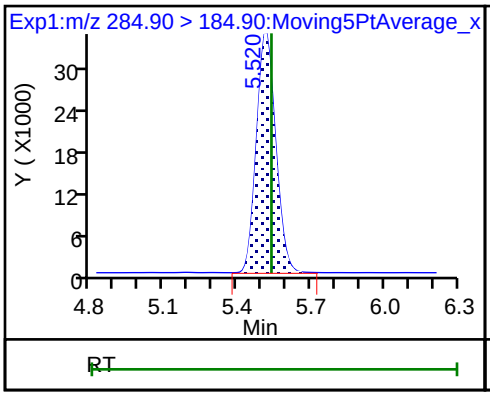
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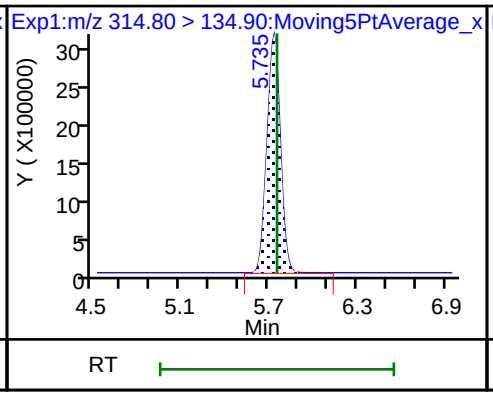
21 HFPO-DA



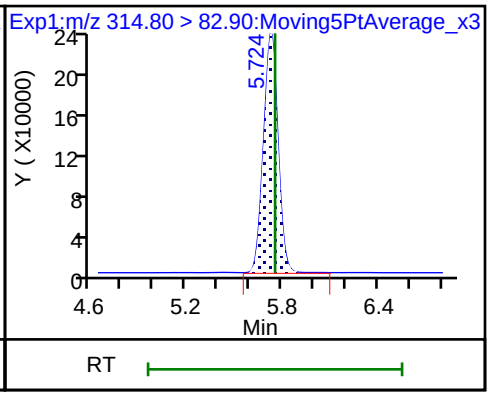
21 HFPO-DA



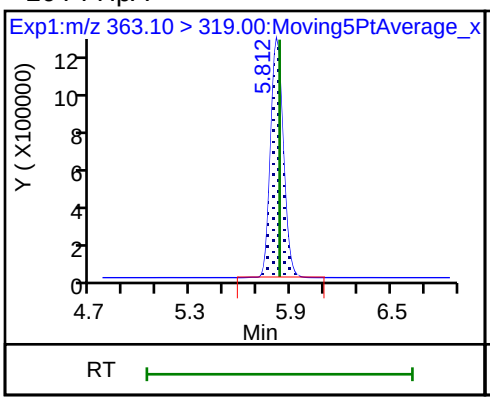
24 PFEESA



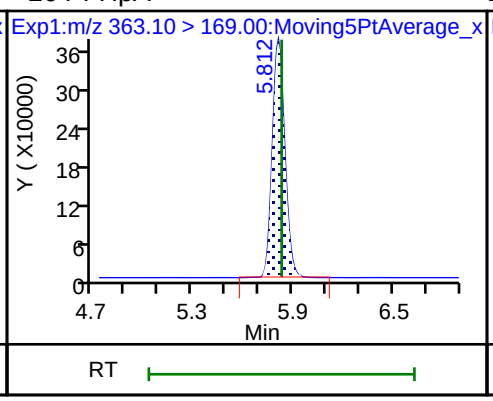
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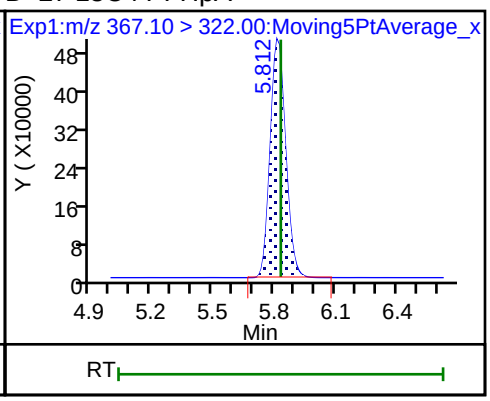
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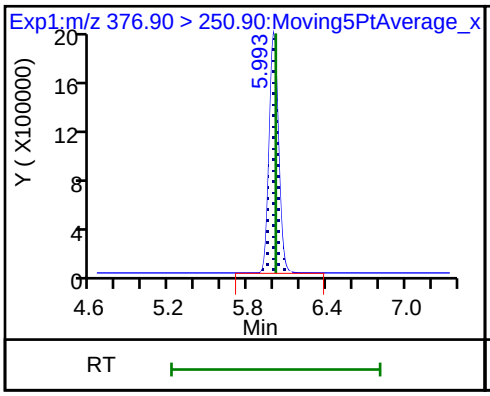
26 PFHpA



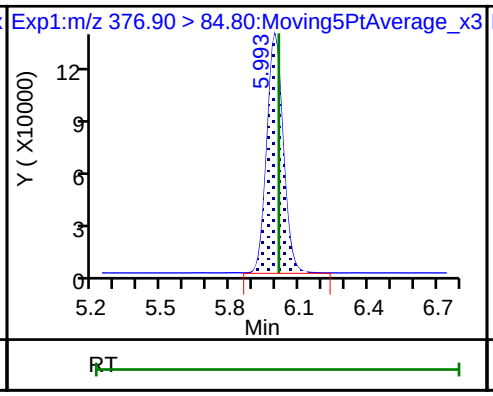
D 27 13C4 PFHpA



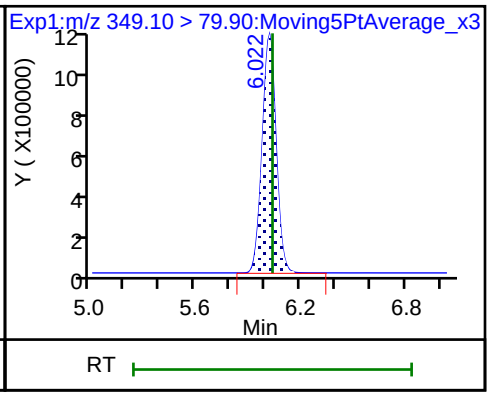
28 ADONA



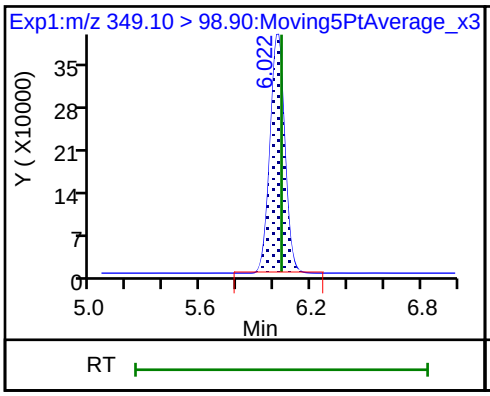
28 ADONA



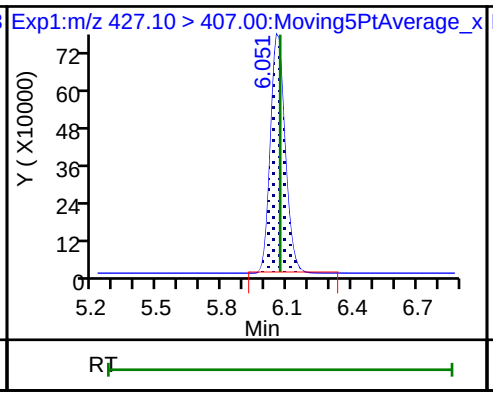
29 PFPeS



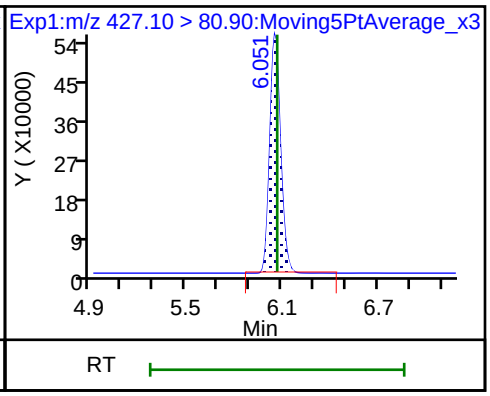
29 PFPeS



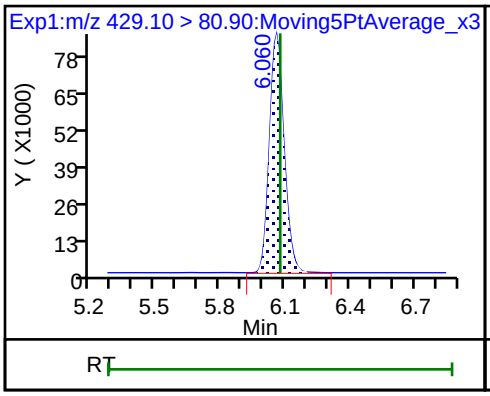
30 6:2FTS



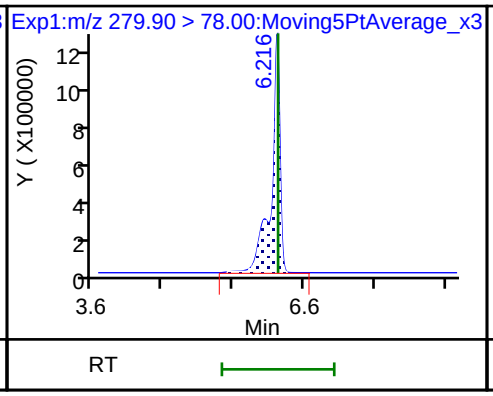
30 6:2FTS



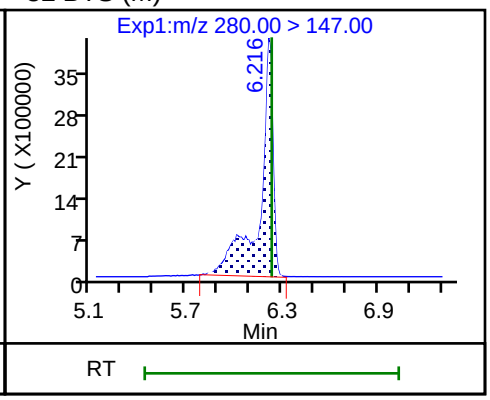
D 31 13C2-6:2FTS



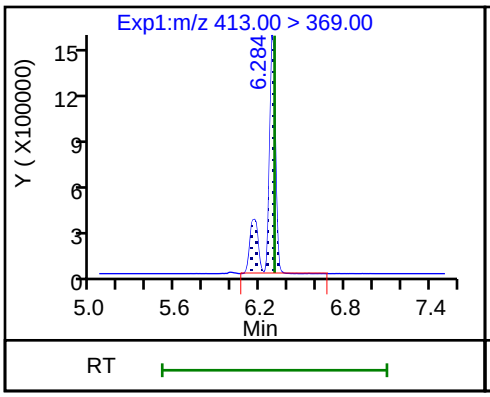
33 FBSA



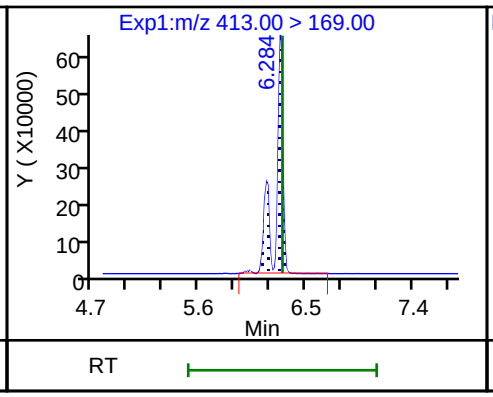
32 BTS (M)



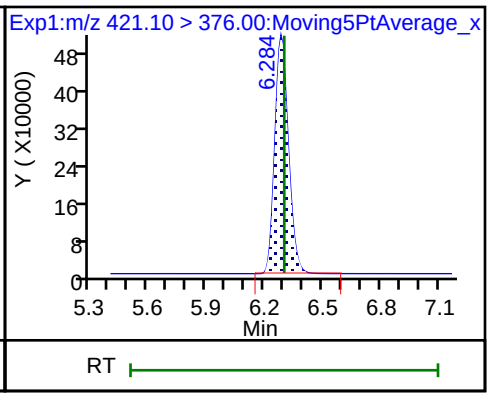
36 PFOA



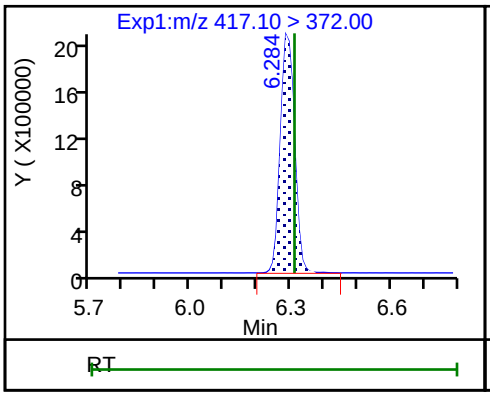
36 PFOA



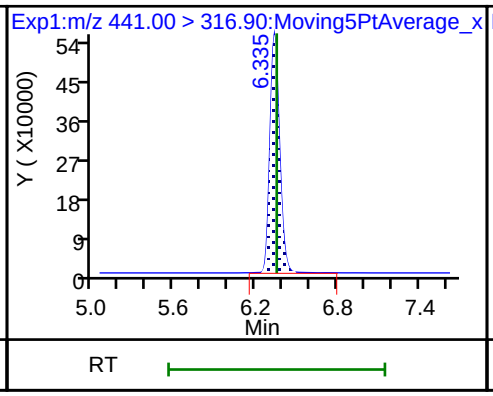
D 34 13C8 PFOA



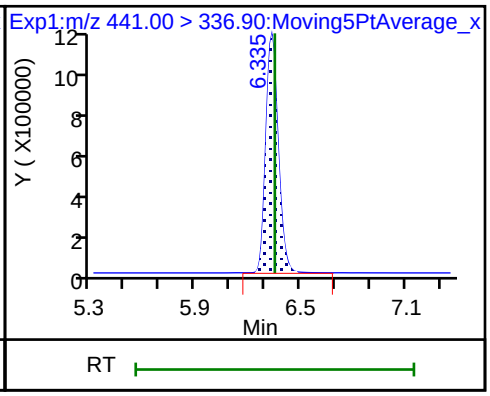
* 35 13C4 PFOA



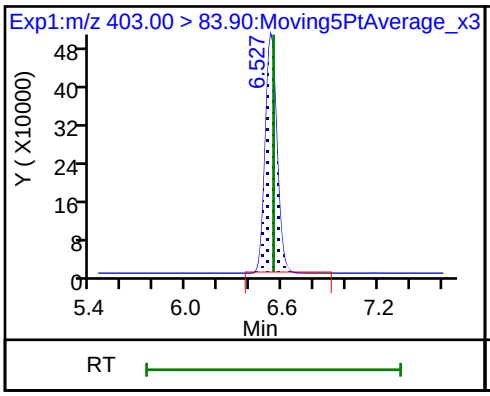
37 7:3 FTCA



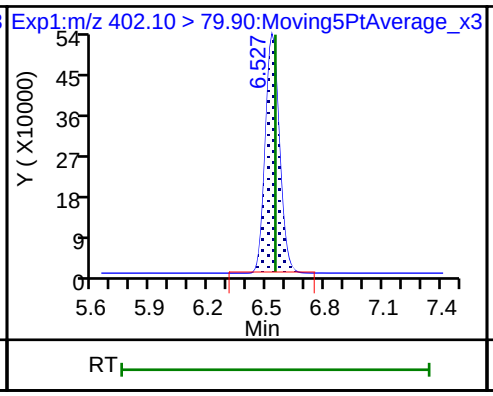
37 7:3 FTCA



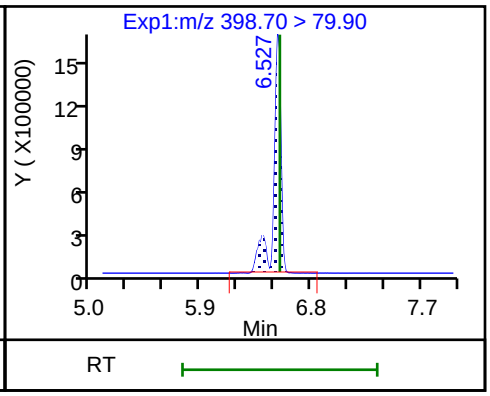
* 38 18O2 PFHxS



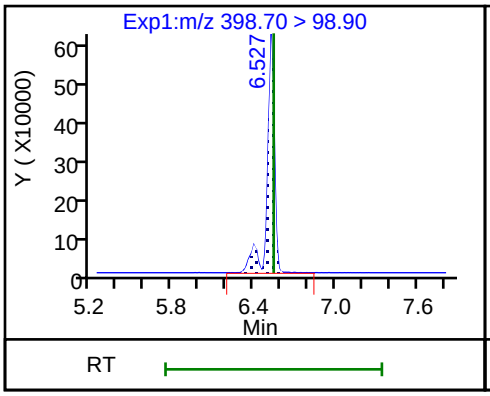
D 39 13C3 PFHxS



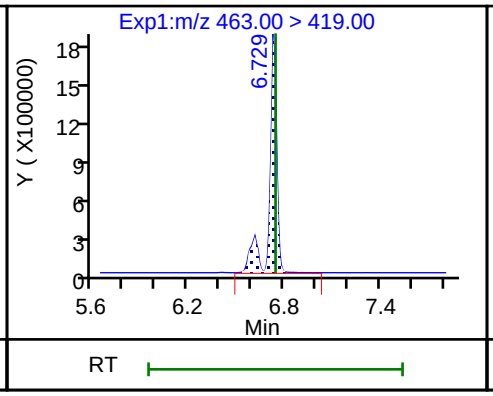
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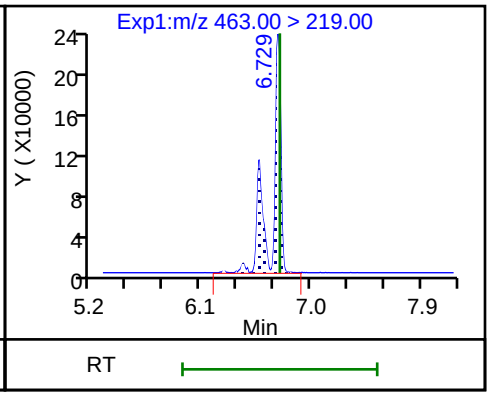
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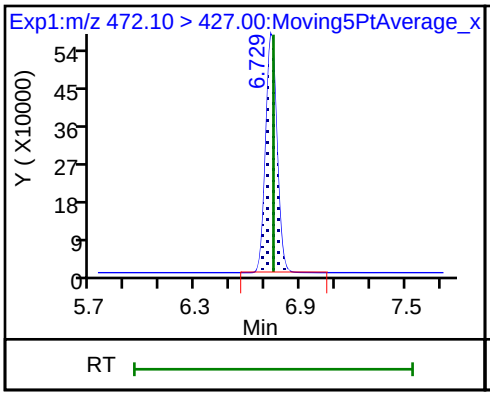
42 PFNA



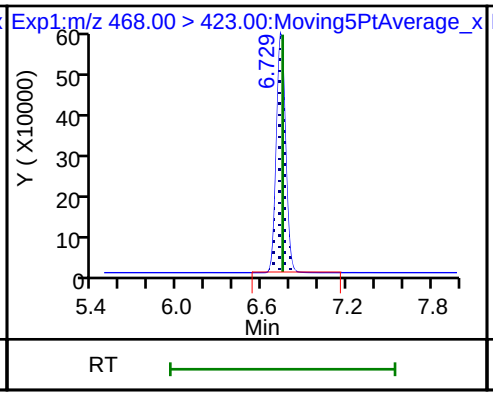
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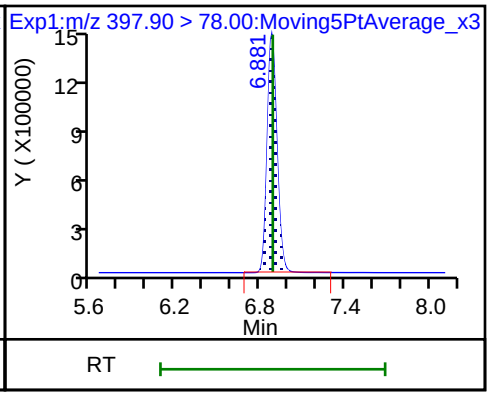
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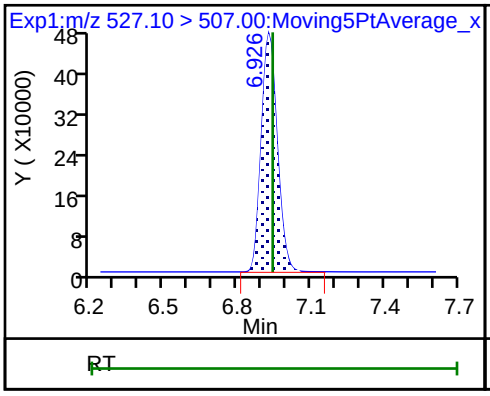
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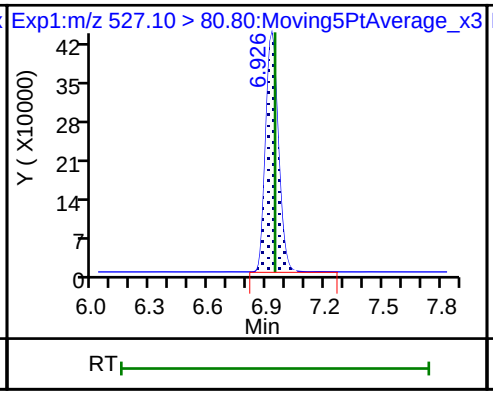
48 FHxSA



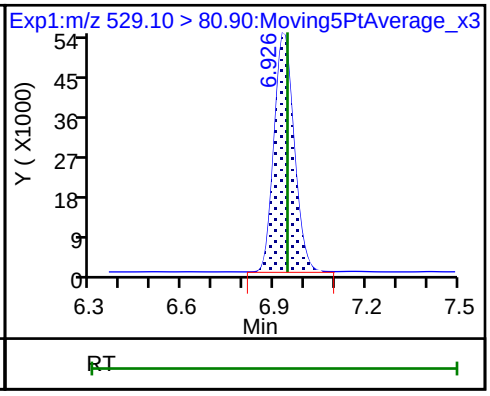
44 8:2FTS



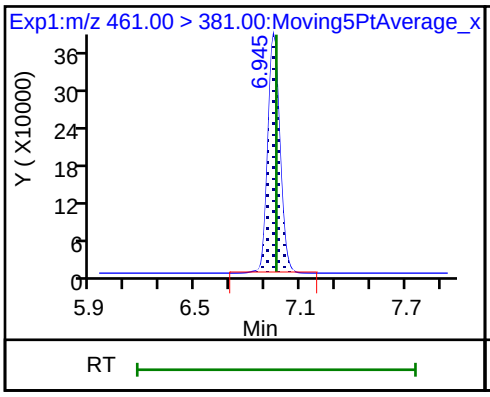
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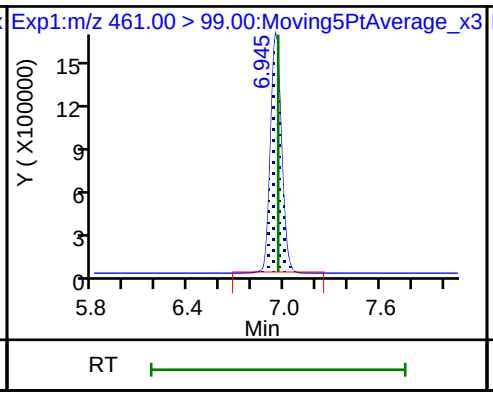
D 45 13C2-8:2FTS



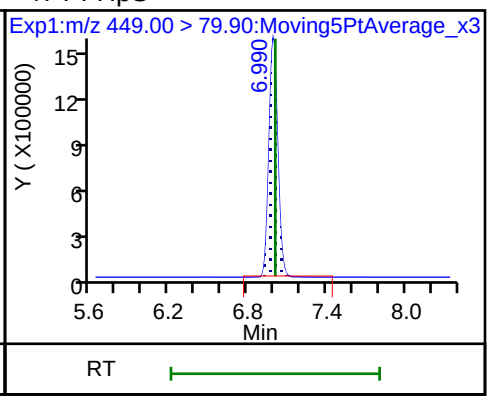
46 PFECHS



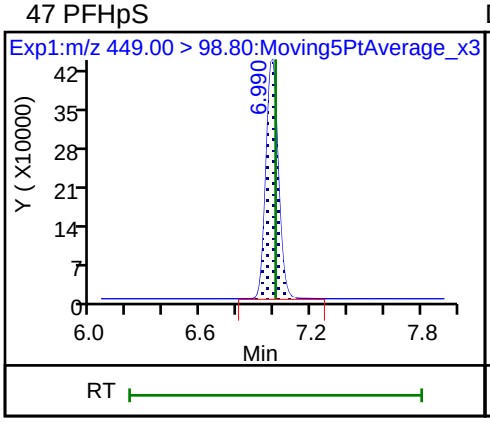
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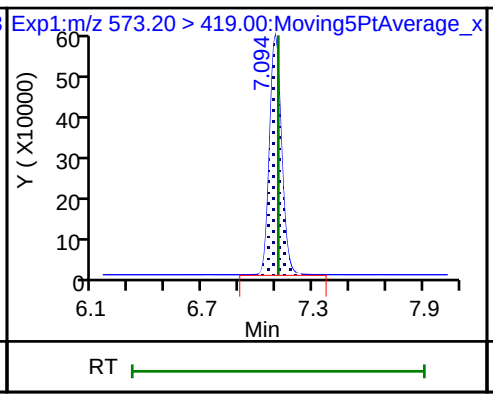
47 PFHpS



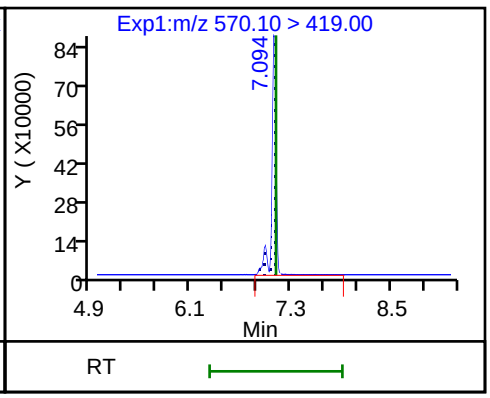
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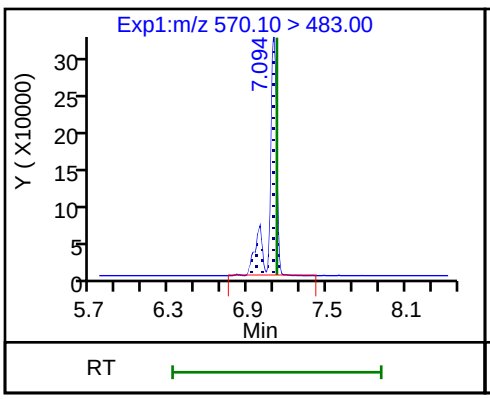
D 50 d3-NMeFOSAA



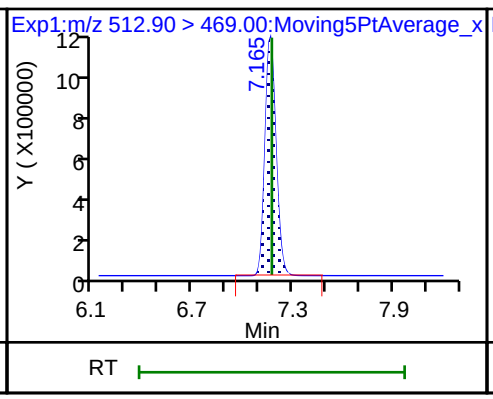
49 NMeFOSAA



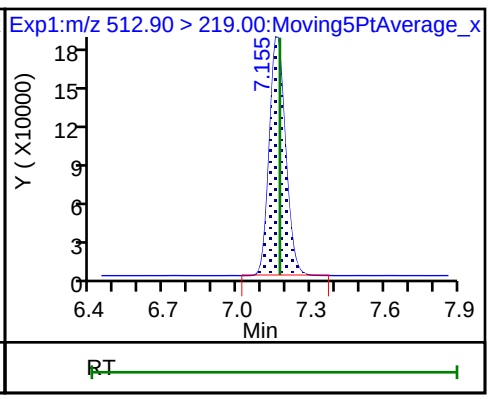
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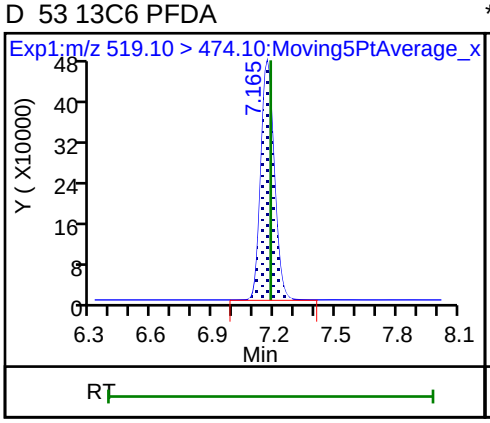
51 PFDA



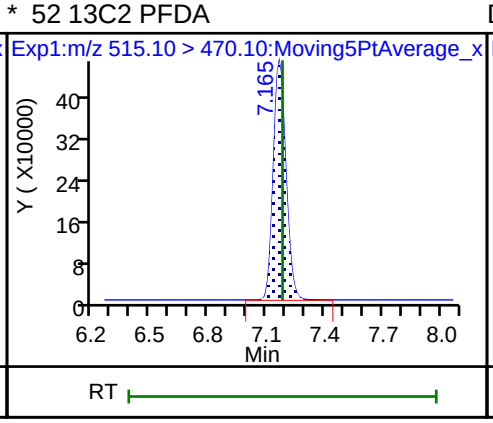
51 PFDA



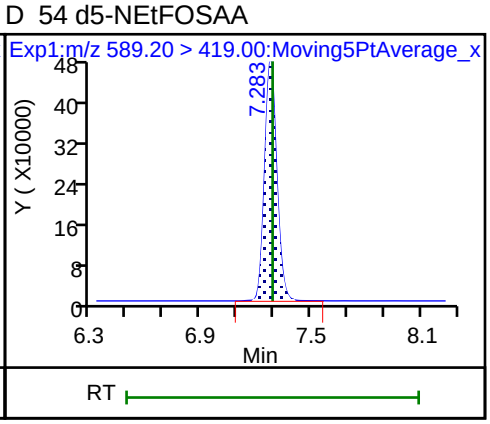
D 53 13C6 PFDA



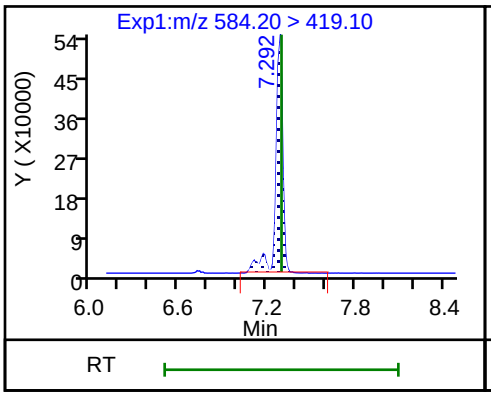
* 52 13C2 PFDA



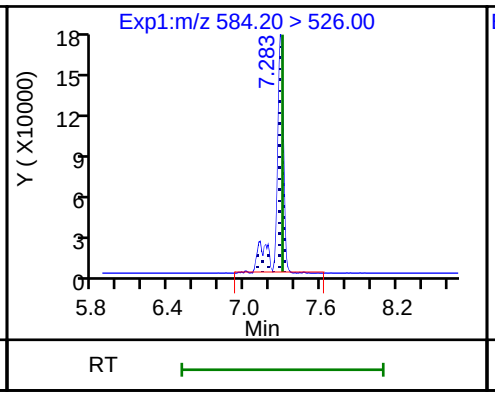
D 54 d5-NEtFOSAA



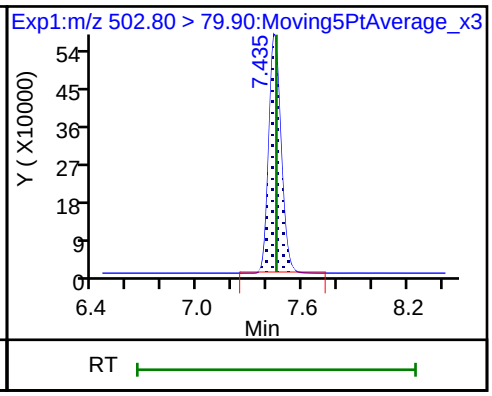
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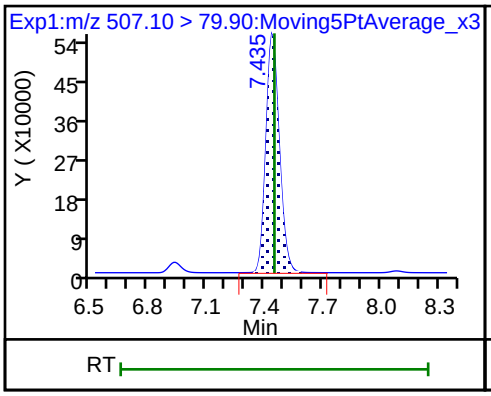
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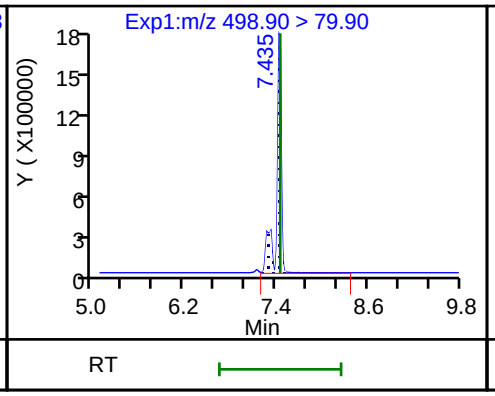
* 57 13C4 PFOS



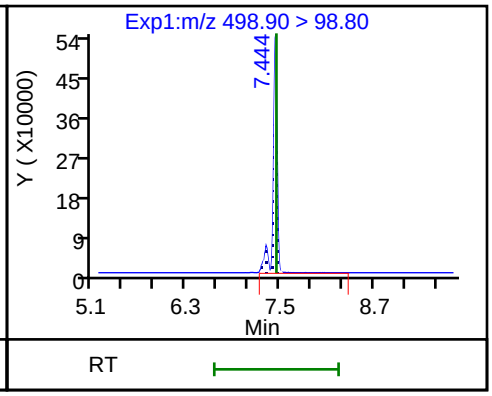
D 56 13C8 PFOS



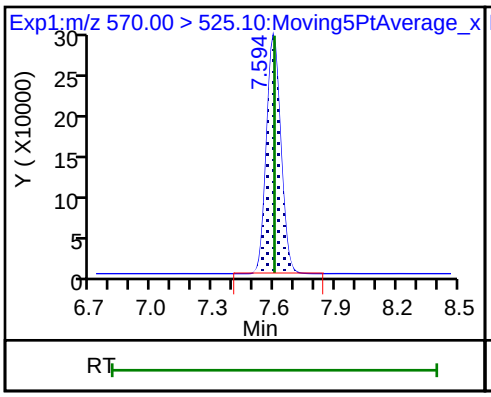
58 PFOS



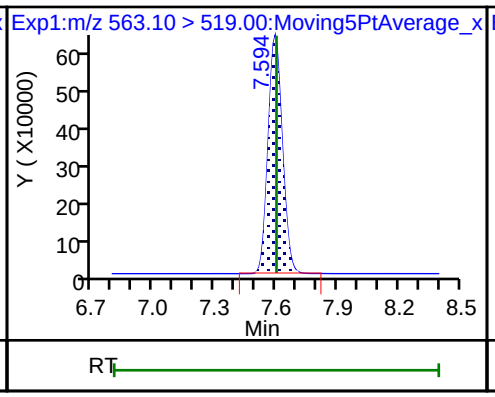
58 PFOS



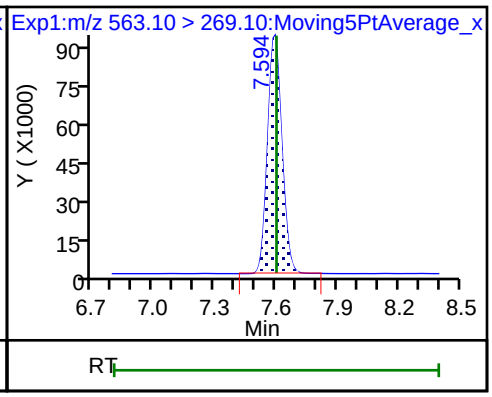
D 60 13C7 PFUnA



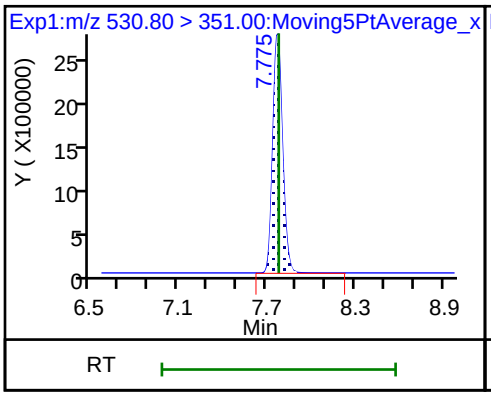
59 PFUnA



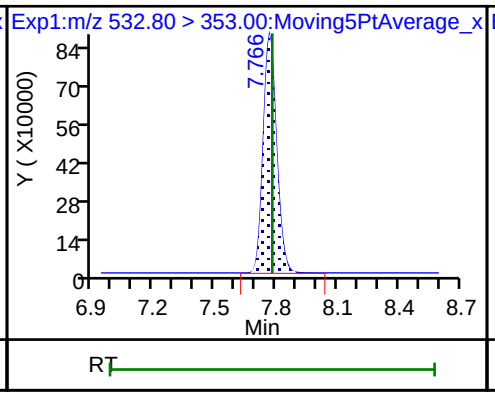
59 PFUnA



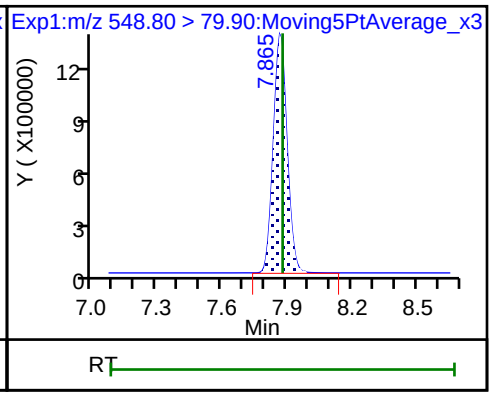
61 9ClFOS



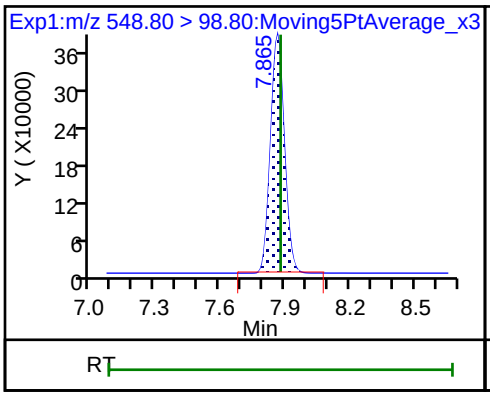
61 9ClFOS



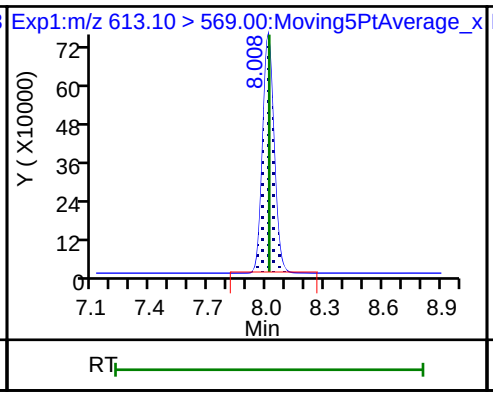
62 PFNS



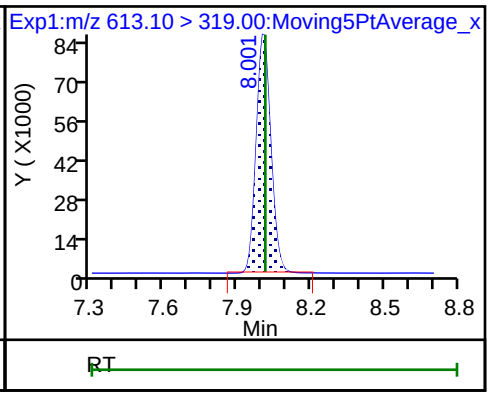
62 PFNS



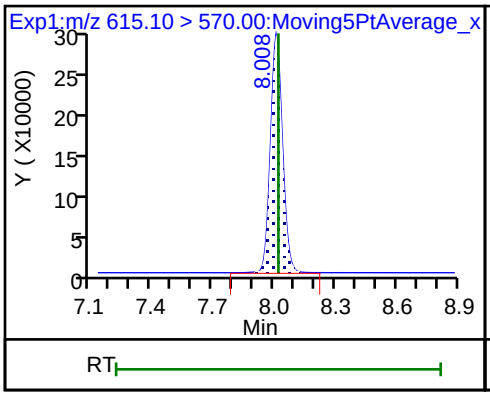
63 PFDoA



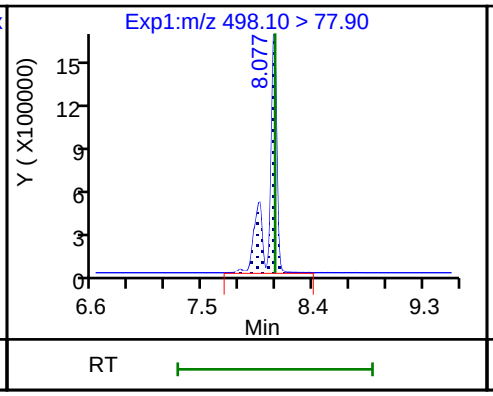
63 PFDoA



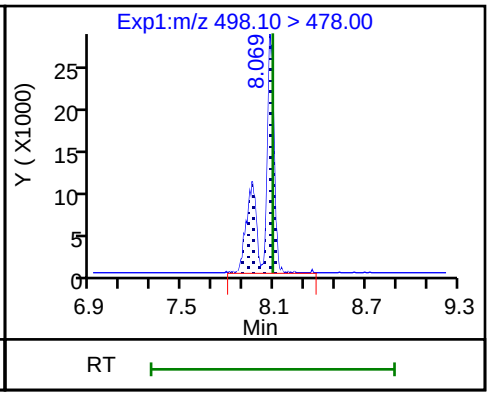
D 64 PFDoA



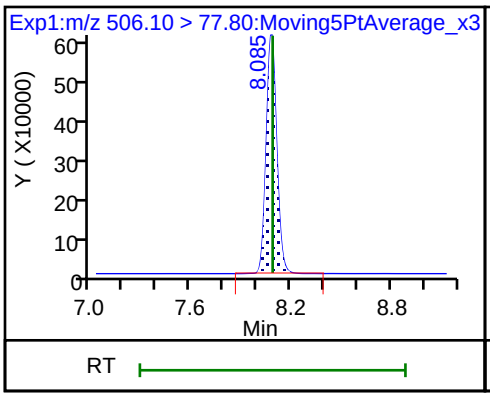
65 PFOSA



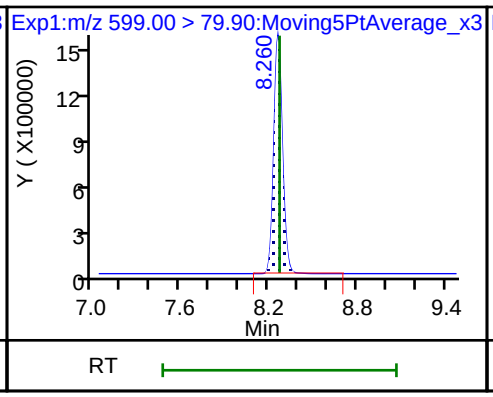
65 PFOSA



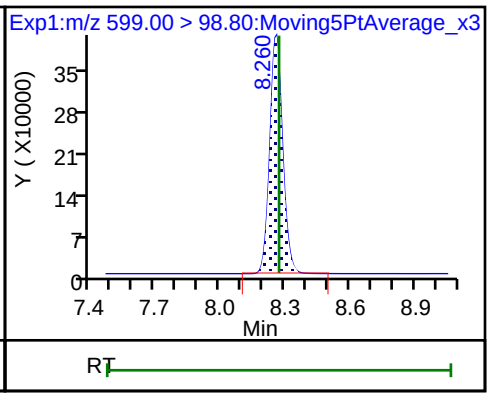
D 66 13C8 FOSA



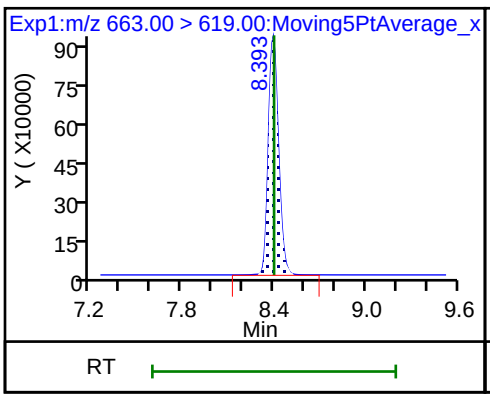
67 PFDS



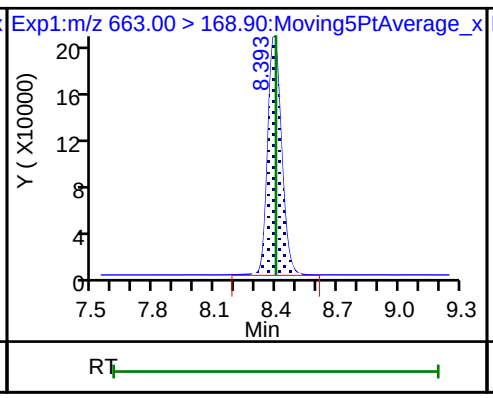
67 PFDS



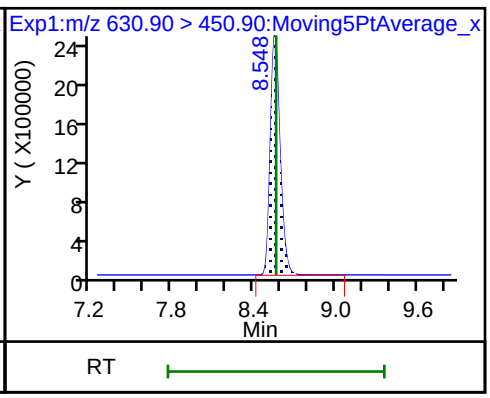
68 PFTrDA



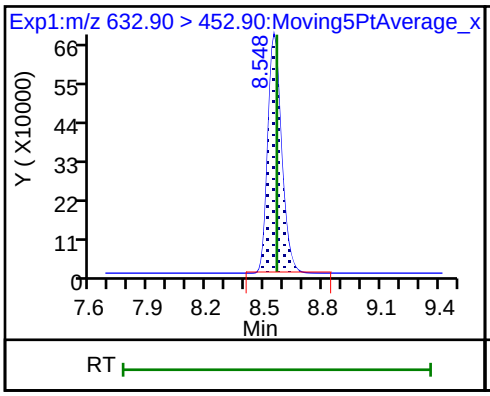
68 PFTrDA



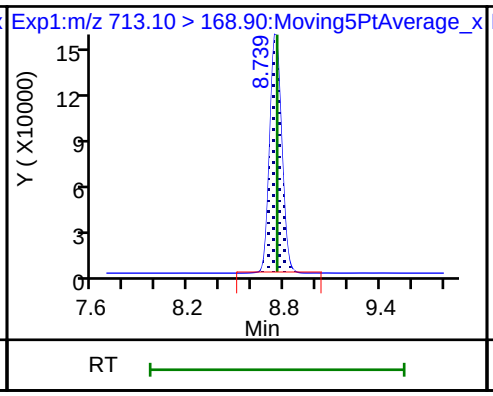
69 11ClFOS



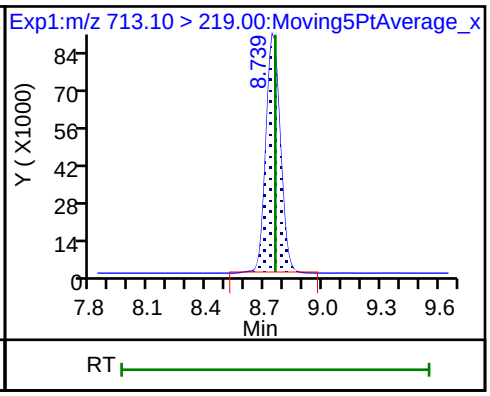
69 11ClFOS



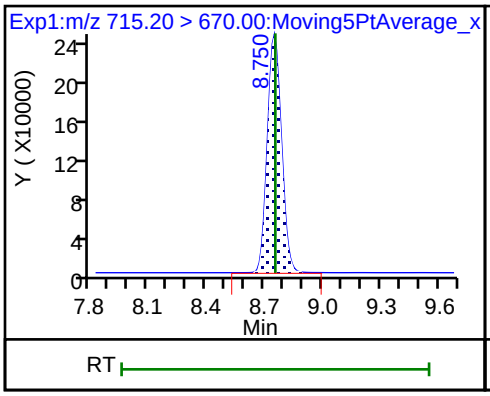
70 PFTeDA



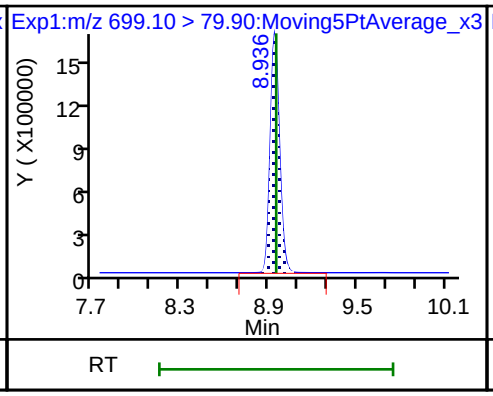
70 PFTeDA



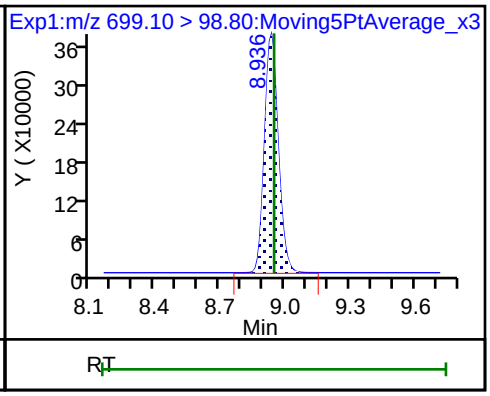
D 71 13C2 PFTeDA



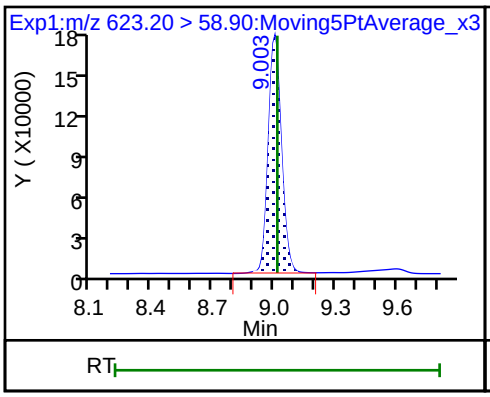
72 PFDoS



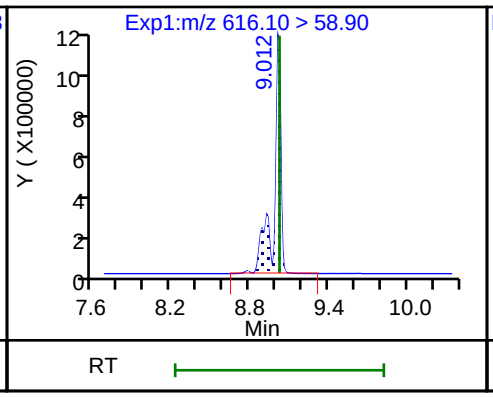
72 PFDoS



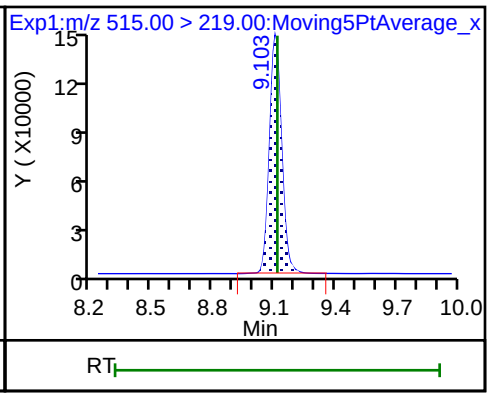
D 73 d7-N-Me-FOSE



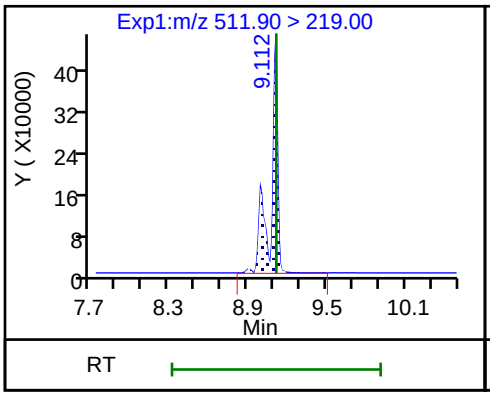
74 N-MeFOSE-M



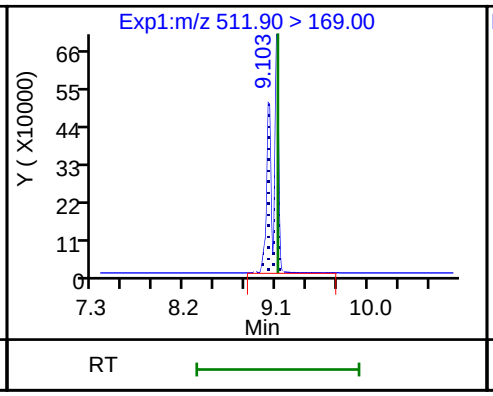
D 75 d3-NMePFOSA



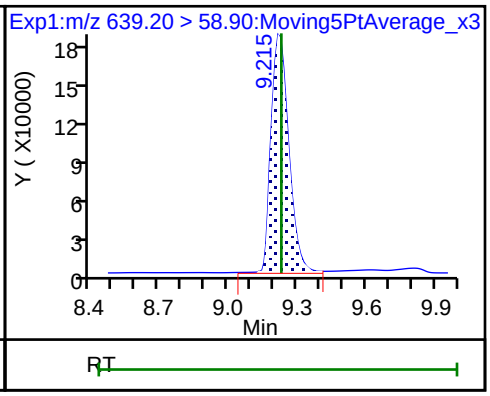
76 NMeFOSA



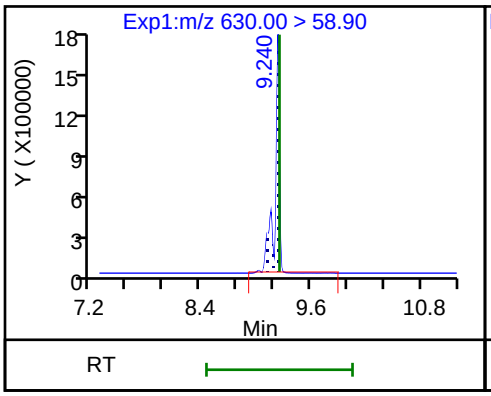
76 NMeFOSA



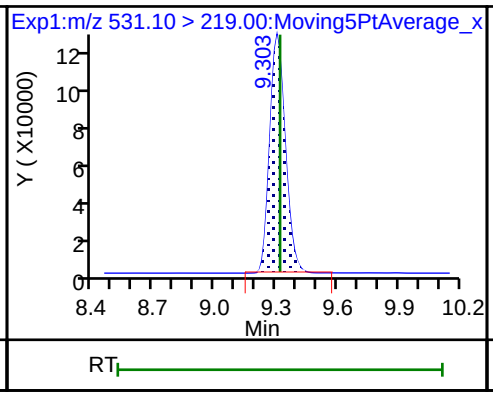
D 77 d9-N-EtFOSE



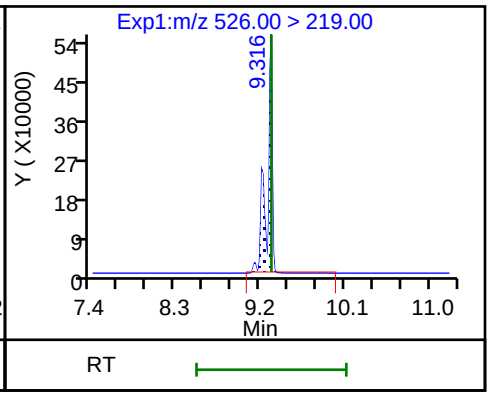
78 N-EtFOSE-M



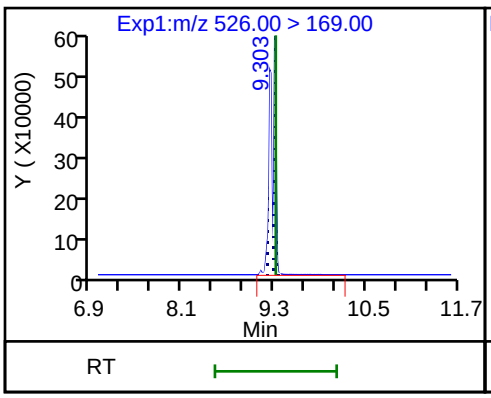
D 79 d5-NEtPFOSA



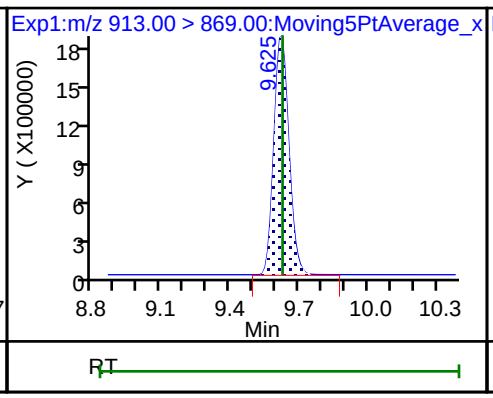
80 N-EtFOSA-M



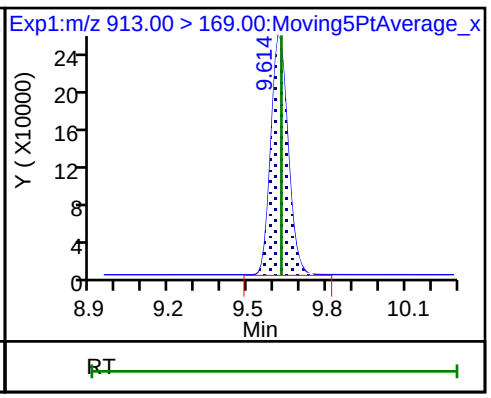
80 N-EtFOSA-M



81 Perfluorooctadecanoic acid



81 Perfluorooctadecanoic acid



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-07.d
Lims ID: IC CAL 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 27-Feb-2025 16:35:31 ALS Bottle#: 20008 Worklist Smp#: 7
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: IC CAL 7
Misc. Info.: Plate: 1 Rack: 1 410-0139404-007
Operator ID: US19_USR_INS00012E Instrument ID: 29347
Sublist: chrom-29347_1633Final*sub1

Method: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\29347_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 27-Feb-2025 19:05:52 Calib Date: 27-Feb-2025 16:49:35
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1602

First Level Reviewer: LDU5 Date: 27-Feb-2025 17:43:26
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C3PFPrA										
166.00 > 121.00	1.824	1.832	-0.008	0.442	920430	1.87		93.5	374	
2 Perfluoropropionic acid										
163.00 > 119.00	1.832	1.832	0.0	1.005	24460467	50.7		101	183	
D 4 13C4-PFBA										
216.80 > 171.90	4.127	4.147	-0.020	1.000	2316075	2.00		100	70056	
3 PFBA										
212.80 > 168.90	4.127	4.147	-0.020	1.000	22302376	19.8		99.1	59991	
* 5 13C3PFBA										
216.00 > 172.00	4.127	4.153	-0.026		2017853	2.00			604	
7 PFMPA										
229.00 > 84.90	4.374	4.399	-0.025	0.923	10480688	10.2		102	166110	
6 3:3 FTCA										
241.00 > 177.00	4.374	4.399	-0.025	0.923	1273722	19.9	Target=1.12	99.4	50391	
241.00 > 117.00	4.374	4.399	-0.025	0.923	1113637		1.14(0.56-1.67)	99.4	17608	
8 PFPA										
263.00 > 219.00	4.729	4.762	-0.033	0.998	8360431	10.6		106	116923	
D 9 13C5 PFPeA										
268.30 > 223.00	4.739	4.762	-0.023	0.895	989463	2.05		103	44414	
10 PFMBA										
279.00 > 85.10	4.917	4.941	-0.024	1.038	8919101	10.1		101	147988	
11 4:2FTS										
327.10 > 307.00	5.077	5.100	-0.023	0.999	7798973	19.6	Target=1.53	105	343423	
327.10 > 80.90	5.077	5.100	-0.023	0.999	5052605		1.54(0.76-2.29)	105	86695	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.084	5.107	-0.023	0.779	549947	4.36		92.9	30594	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.241	5.269	-0.028	0.990	2608725	9.83	Target=17.76	98.3	134141	
295.00 > 84.90	5.241	5.269	-0.028	0.990	149835		17.41(8.88-26.65)	98.3	10276	
16 PFHxA										
313.00 > 269.00	5.296	5.324	-0.028	1.000	10256926	10.5	Target=12.95	105	163768	
313.00 > 118.90	5.296	5.324	-0.028	1.000	806046		12.72(6.47-19.42)	105	55185	
* 15 13C2 PFHxA										
315.10 > 270.00	5.296	5.324	-0.028		4669191	5.00			137884	
D 17 13C5 PFHxA										
318.00 > 273.00	5.296	5.324	-0.028	1.000	2084350	2.07		103	86300	
18 5:3 FTCA										
341.00 > 237.10	5.393	5.414	-0.021	1.018	6903384	49.5	Target=2.90	98.9	115731	
341.00 > 217.00	5.382	5.414	-0.032	1.016	2449284		2.82(1.45-4.35)	98.9	98665	
19 PFBS										
298.70 > 79.90	5.446	5.469	-0.023	1.000	14995044	8.91	Target=3.01	100	332247	
298.70 > 98.80	5.436	5.469	-0.033	0.998	4935712		3.04(1.51-4.52)	100	189349	
D 20 13C3 PFBS										
302.10 > 79.90	5.446	5.469	-0.023	0.835	2874406	1.88		101	149060	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.515	5.538	-0.023	1.041	1329058	2.05		102	61409	
21 HFPO-DA										
284.90 > 168.90	5.515	5.538	-0.023	1.000	5780717	7.59	Target=15.29	101	133889	
284.90 > 184.90	5.515	5.538	-0.023	1.000	395434		14.62(7.65-22.94)	101	24298	
24 PFEESA										
314.80 > 134.90	5.732	5.754	-0.022	1.082	38652367	8.46	Target=13.00	94.8	798598	
314.80 > 82.90	5.721	5.754	-0.033	1.080	3075611		12.57(6.50-19.50)	94.8	73194	
26 PFHpA										
363.10 > 319.00	5.809	5.831	-0.022	1.000	13673104	10.9	Target=3.19	109	329369	
363.10 > 169.00	5.809	5.831	-0.022	1.000	4316071		3.17(1.60-4.79)	109	207797	
D 27 13C4 PFHpA										
367.10 > 322.00	5.809	5.831	-0.022	1.097	2475976	2.01		100	118794	
28 ADONA										
376.90 > 250.90	5.991	6.011	-0.020	1.086	19827447	8.99	Target=14.18	95.0	820831	
376.90 > 84.80	5.991	6.011	-0.020	1.086	1394199		14.22(7.09-21.26)	95.0	96523	
29 PFPeS										
349.10 > 79.90	6.020	6.039	-0.019	0.923	13671834	9.55	Target=2.90	102	521495	
349.10 > 98.90	6.010	6.039	-0.029	0.921	4701819		2.91(1.45-4.36)	102	178742	
30 6:2FTS										
427.10 > 407.00	6.048	6.068	-0.020	0.998	6999715	18.6	Target=1.45	98.0	368060	
427.10 > 80.90	6.048	6.068	-0.020	0.998	5083678		1.38(0.72-2.17)	98.0	272194	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.058	6.077	-0.019	0.929	381720	4.36		91.6	26870	
33 FBSA										
279.90 > 78.00	6.204	6.223	-0.019	1.139	22099299	10.0		99.9	882323	
32 BTS										M
280.00 > 147.00	6.214	6.233	-0.019	0.952	48434550	9.64		98.5	3791	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
36 PFOA										
413.00 > 369.00	6.282	6.301	-0.019	1.000	11636003	10.3	Target=2.12	103	633194	
413.00 > 169.00	6.282	6.301	-0.019	1.000	5522934		2.11(1.06-3.17)	103	685461	
D 34 13C8 PFOA										
421.10 > 376.00	6.282	6.301	-0.019	1.000	2480981	2.02		101	128900	
* 35 13C4 PFOA										
417.10 > 372.00	6.282	6.310	-0.028		6071265	5.00			555249	
37 7:3 FTCA										
441.00 > 316.90	6.331	6.352	-0.021	1.196	5744937	51.5	Target=0.48	103	105987	
441.00 > 336.90	6.331	6.352	-0.021	1.196	11980208		0.48(0.24-0.71)	103	173655	
* 38 18O2 PFHxS										
403.00 > 83.90	6.524	6.545	-0.021		2677484	1.89			179055	
D 39 13C3 PFHxS										
402.10 > 79.90	6.524	6.545	-0.021	1.000	2600879	1.87		98.8	103955	
40 PFHxS										
398.70 > 79.90	6.524	6.545	-0.021	1.000	13594264	9.50	Target=2.92	104	1740633	
398.70 > 98.90	6.524	6.545	-0.021	1.000	4635284		2.93(1.46-4.39)	104	1270266	
* 43 13C5 PFNA										
468.00 > 423.00	6.726	6.745	-0.018		2621921	2.00			196855	
42 PFNA										
463.00 > 419.00	6.726	6.745	-0.018	0.999	11371256	10.3	Target=5.06	103	677181	
463.00 > 219.00	6.726	6.745	-0.018	0.999	2323146		4.89(2.53-7.59)	103	2908	
D 41 13C9 PFNA										
472.10 > 427.00	6.735	6.745	-0.009	1.001	2593121	2.02		101	194630	
48 FHxSA										
397.90 > 78.00	6.878	6.888	-0.010	1.054	14919703	10.5		105	240031	
44 8:2FTS										
527.10 > 507.00	6.924	6.943	-0.019	1.000	4108312	19.1	Target=1.11	99.5	301114	
527.10 > 80.80	6.924	6.943	-0.019	1.000	3755302		1.09(0.55-1.66)	99.5	278593	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.924	6.943	-0.019	1.061	239407	4.36		90.7	17356	
46 PFECHS										
461.00 > 381.00	6.942	6.961	-0.019	1.064	3740579	9.45	Target=0.23	102	259856	
461.00 > 99.00	6.942	6.961	-0.019	1.064	15990392		0.23(0.12-0.34)	102	415206	
47 PFHpS										
449.00 > 79.90	6.987	7.007	-0.020	0.940	14226054	9.04	Target=3.38	94.7	511427	
449.00 > 98.80	6.987	7.007	-0.020	0.940	4149504		3.43(1.69-5.07)	94.7	298015	
D 50 d3-NMeFOSAA										
573.20 > 419.00	7.093	7.110	-0.017	0.954	2737488	5.08		102	125351	
49 NMeFOSAA										
570.10 > 419.00	7.093	7.119	-0.026	1.000	5662630	9.86	Target=2.33	98.6	1768030	
570.10 > 483.00	7.102	7.119	-0.017	1.001	2451052		2.31(1.16-3.49)	98.6	4130	
51 PFDA										
512.90 > 469.00	7.163	7.172	-0.009	1.000	10705186	10.2	Target=6.26	102	389854	
512.90 > 219.00	7.154	7.172	-0.018	0.999	1702217		6.29(3.13-9.39)	102	92475	
D 53 13C6 PFDA										
519.10 > 474.10	7.163	7.182	-0.019	1.000	1991362	2.02		101	144521	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 52 13C2 PFDA										
515.10 > 470.10	7.163	7.182	-0.019		1927857	2.00			105046	
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.273	7.290	-0.017	0.978	2342163	5.05		101	101850	
55 NEtFOSAA										
584.20 > 419.10	7.282	7.299	-0.016	1.001	3830717	9.86	Target=2.76	98.6	150859	
584.20 > 526.00	7.290	7.299	-0.008	1.002	1418592		2.70(1.38-4.14)	98.6	2947	
* 57 13C4 PFOS										
502.80 > 79.90	7.434	7.450	-0.016		2827905	1.91			118352	
D 56 13C8 PFOS										
507.10 > 79.90	7.434	7.450	-0.016	1.000	2721392	1.96		102	3704	
58 PFOS										
498.90 > 79.90	7.442	7.450	-0.008	1.001	15415319	9.50	Target=3.93	102	150211	
498.90 > 98.80	7.442	7.450	-0.008	1.001	3889214		3.96(1.97-5.89)	102	1165534	
D 60 13C7 PFUnA										
570.00 > 525.10	7.591	7.600	-0.009	1.060	1500804	2.13		107	77245	
59 PFUnA										
563.10 > 519.00	7.591	7.600	-0.009	1.000	6402119	9.62	Target=6.78	96.2	263366	
563.10 > 269.10	7.591	7.600	-0.009	1.000	953899		6.71(3.39-10.17)	96.2	65000	
61 9ClFOS										
530.80 > 351.00	7.771	7.780	-0.009	1.409	25813931	9.06	Target=3.19	97.0	692374	
532.80 > 353.00	7.762	7.780	-0.018	1.408	8542410		3.02(1.59-4.78)	97.0	374187	
62 PFNS										
548.80 > 79.90	7.862	7.879	-0.017	1.058	11760045	9.25	Target=3.47	96.2	237513	
548.80 > 98.80	7.862	7.879	-0.017	1.058	3387008		3.47(1.73-5.20)	96.2	187416	
63 PFDoA										
613.10 > 569.00	8.006	8.013	-0.007		6306753	10.0	Target=8.09	100	306894	
613.10 > 319.00	7.999	8.013	-0.014		752891		8.38(4.04-12.13)	100	61304	
D 64 PFDoA										
615.10 > 570.00	8.006	8.020	-0.014	1.118	1183188	2.08		104	71960	
65 PFOSA										
498.10 > 77.90	8.082	8.089	-0.007	1.000	14939798	10.2	Target=54.30	102	1083062	
498.10 > 478.00	8.082	8.089	-0.007	1.000	275286		54.27(27.15-81.45)	102	491	
D 66 13C8 FOSA										
506.10 > 77.80	8.082	8.089	-0.007	1.087	2692879	2.02		101	153211	
67 PFDS										
599.00 > 79.90	8.257	8.272	-0.015	1.111	12995562	9.22	Target=3.76	95.7	525906	
599.00 > 98.80	8.257	8.272	-0.015	1.111	3439854		3.78(1.88-5.63)	95.7	207006	
68 PFTrDA										
663.00 > 619.00	8.388	8.398	-0.010	0.959	8629833	9.76	Target=4.44	97.6	373903	
663.00 > 168.90	8.388	8.398	-0.010	0.959	1952360		4.42(2.22-6.65)	97.6	104701	
69 11ClFOS										
630.90 > 450.90	8.554	8.563	-0.009	1.551	24241130	8.87	Target=3.61	93.9	968868	
632.90 > 452.90	8.544	8.563	-0.019	1.549	6920886		3.50(1.80-5.41)	93.9	352754	
70 PFTeDA										
713.10 > 168.90	8.747	8.755	-0.008	1.000	1694283	10.3	Target=1.85	103	81470	
713.10 > 219.00	8.735	8.755	-0.020	0.999	960764		1.76(0.93-2.78)	103	61449	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 71 13C2 PFTeDA										
715.20 > 670.00	8.747	8.755	-0.008	1.221	1249079	2.08		104	61167	
72 PFDoS										
699.10 > 79.90	8.933	8.949	-0.015	1.202	14992389	9.22	Target=4.41	95.1	277619	
699.10 > 98.80	8.933	8.949	-0.015	1.202	3311570		4.53(2.20-6.61)	95.1	185584	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	8.999	9.014	-0.015	1.211	762789	5.05		101	5091	
74 N-MeFOSE-M										
616.10 > 58.90	9.018	9.024	-0.006	1.002	8822809	50.0		99.9	19501	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.109	9.114	-0.005	1.225	610225	2.07		104	35916	
76 NMeFOSA										
511.90 > 219.00	9.109	9.114	-0.005	1.000	3429894	10.2	Target=0.56	102	1022776	
511.90 > 169.00	9.109	9.114	-0.005	1.000	6236532		0.55(0.28-0.84)	102	13710	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.226	9.230	-0.004	1.241	933008	4.94		98.7	3277	
78 N-EtFOSE-M										
630.00 > 58.90	9.238	9.255	-0.017	1.001	11144654	50.9		102	1178312	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.301	9.318	-0.017	1.251	664114	2.01		101	24871	
80 N-EtFOSA-M										
526.00 > 219.00	9.313	9.318	-0.005	1.001	4075615	10.2	Target=0.74	102	21246	
526.00 > 169.00	9.313	9.318	-0.005	1.001	5460486		0.75(0.37-1.12)	102	25373	
81 Perfluorooctadecanoic acid										
913.00 > 869.00	9.622	9.627	-0.005	1.100	17271429	10.0	Target=7.28	100	172192	
913.00 > 169.00	9.612	9.627	-0.015	1.099	2390122		7.23(3.64-10.91)	100	75159	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_CAL7_00018 Amount Added: 1.00 Units: mL

Report Date: 27-Feb-2025 19:05:53 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-07.d

Injection Date: 27-Feb-2025 16:35:31 Instrument ID: 29347

Lims ID: IC CAL 7

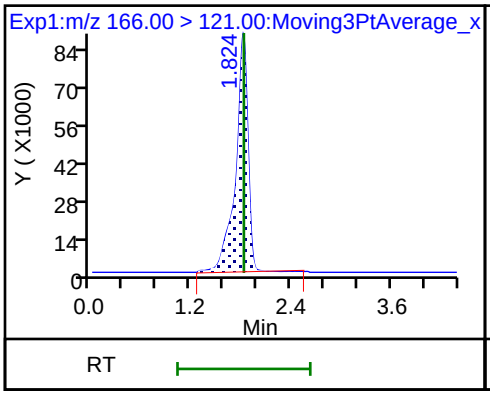
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Operator ID: US19_USR_INS00012E ALS Bottle#: 20008 Worklist Smp#: 7

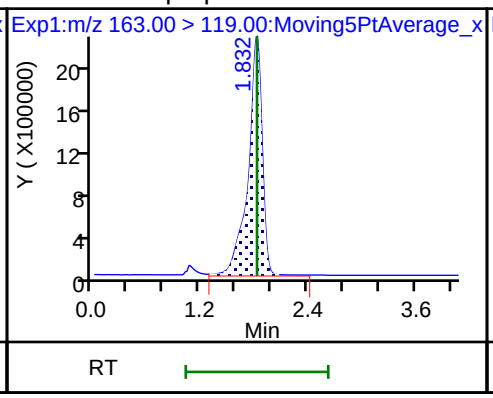
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 29347_1633Final Limit Group: LC - 1633 LVI- ICAL

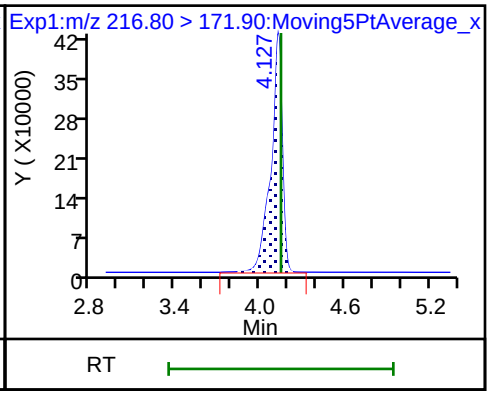
D 1 13C3PFPrA



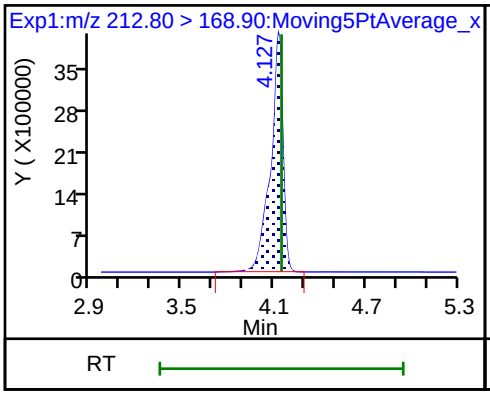
2 Perfluoropropionic acid



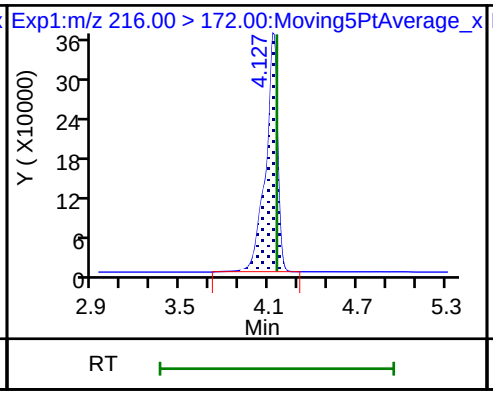
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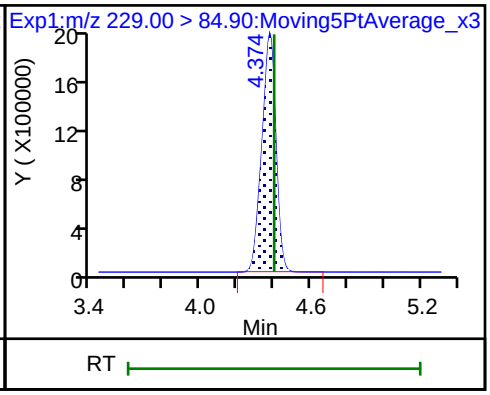
3 PFBA



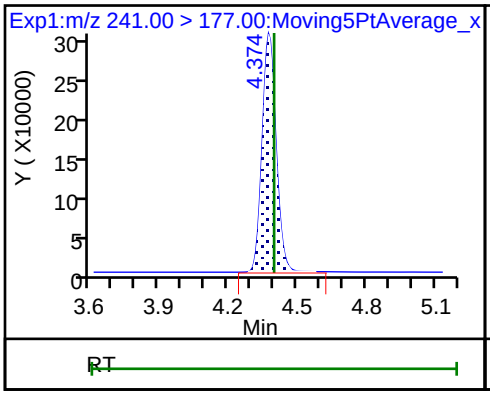
* 5 13C3PFBA



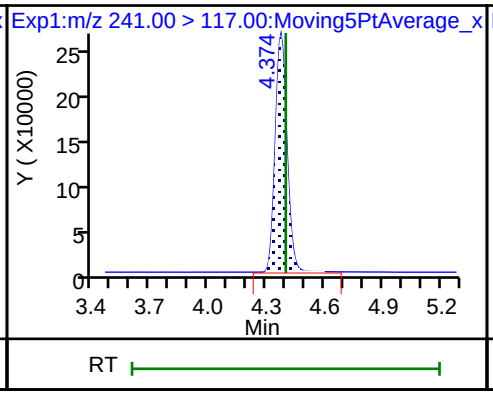
7 PFMPA



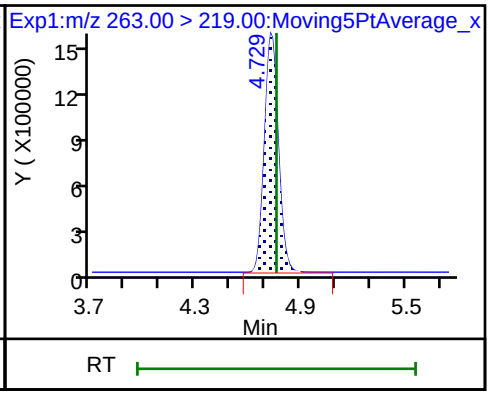
6 3:3 FTCA



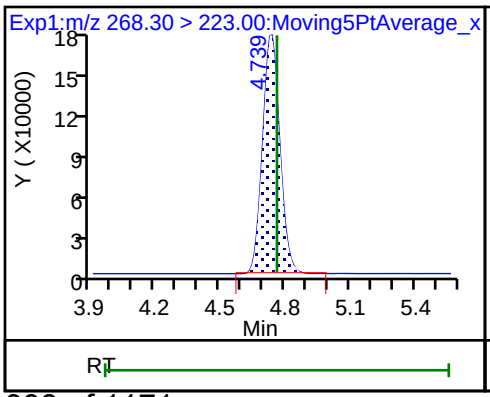
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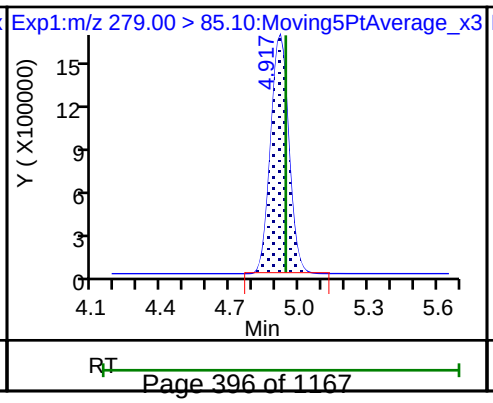
8 PFPA



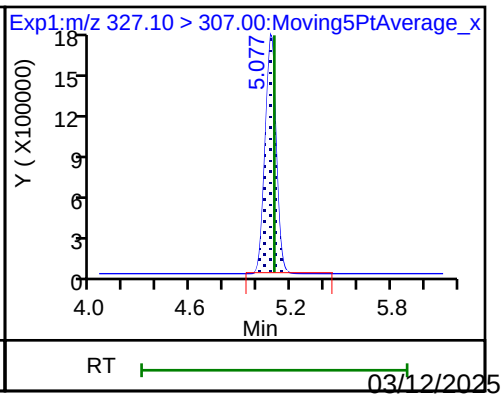
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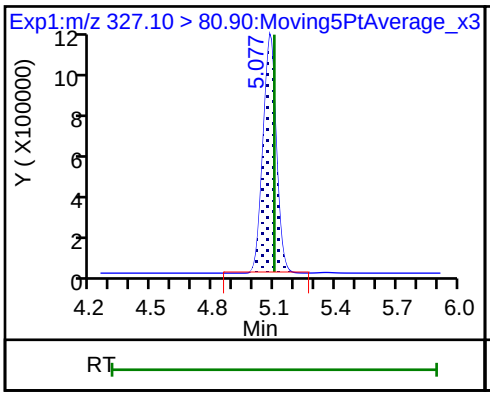
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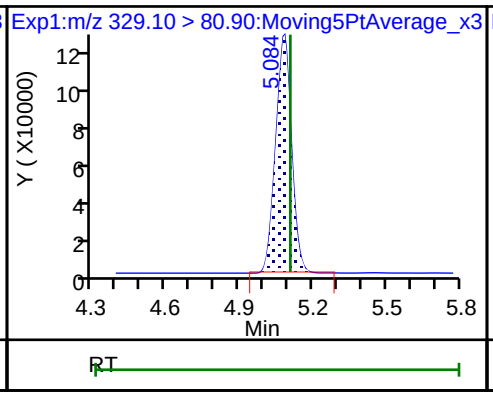
11 4:2FTS



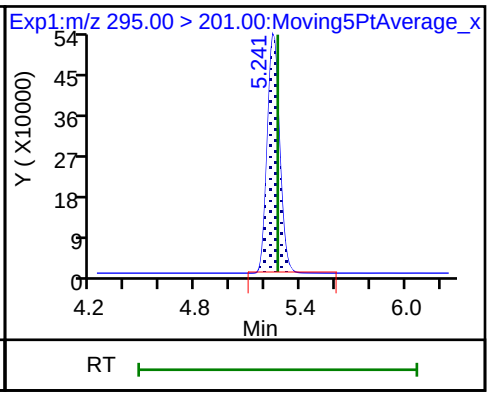
11 4:2FTS



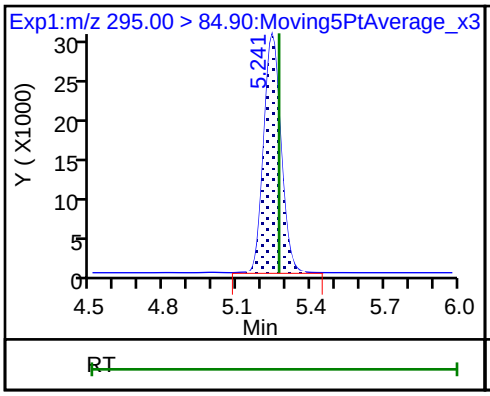
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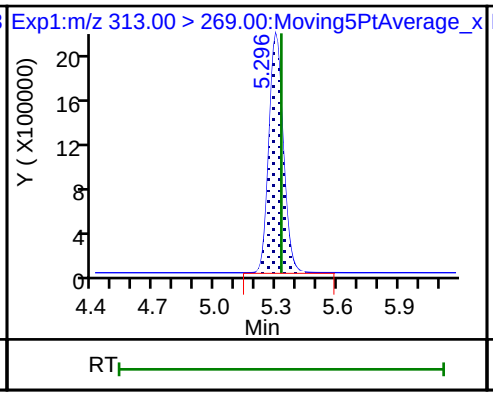
14 NFDHA



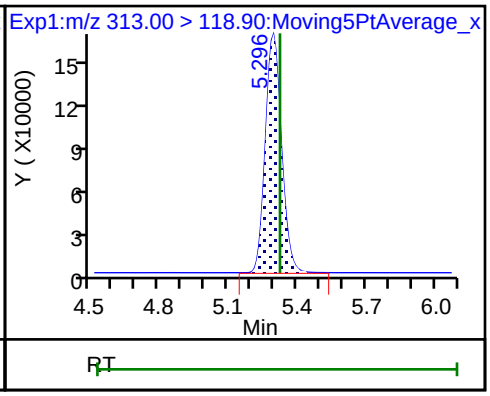
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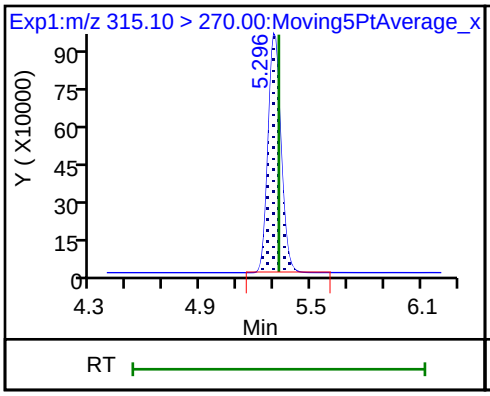
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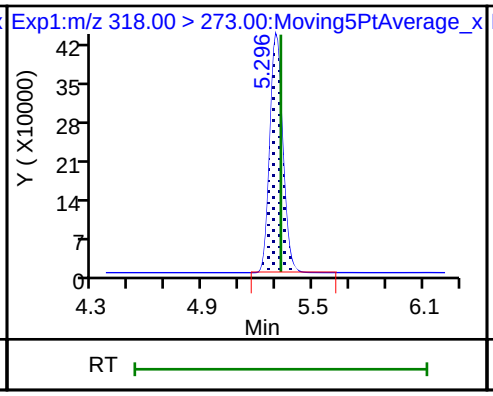
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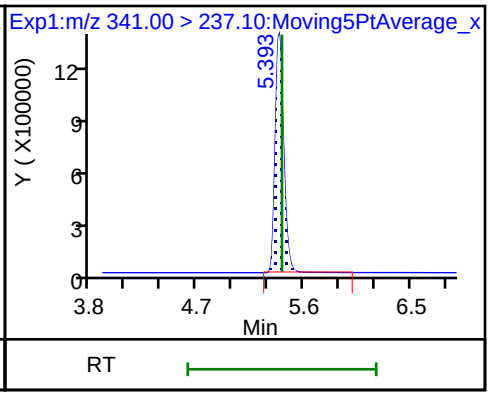
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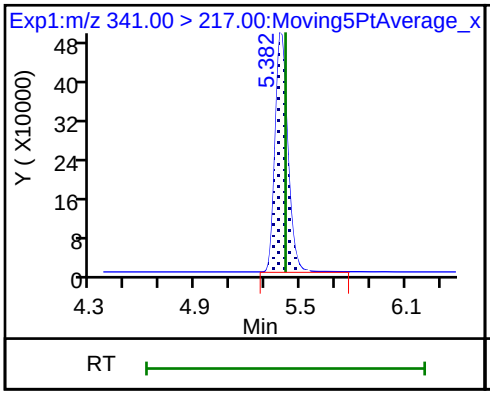
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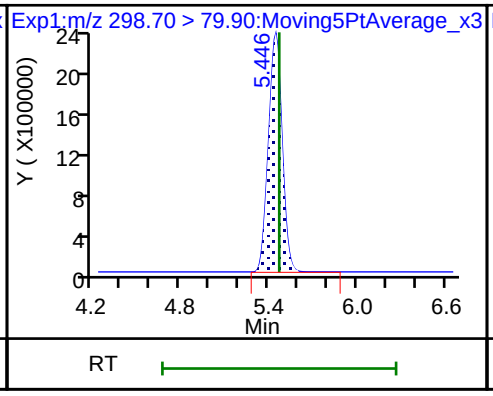
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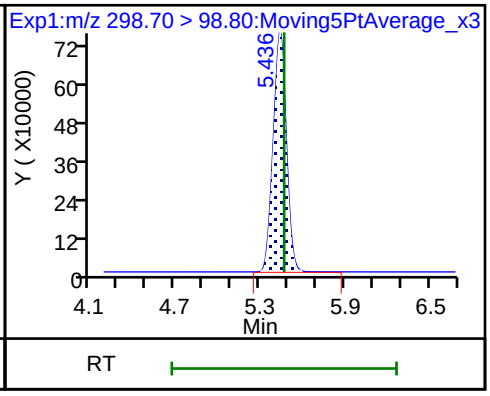
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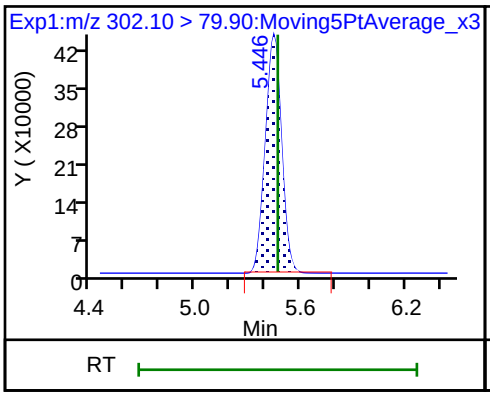
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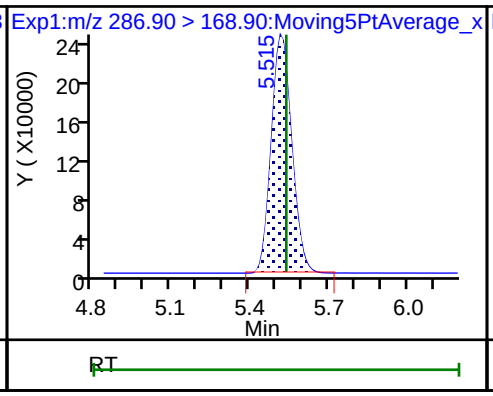
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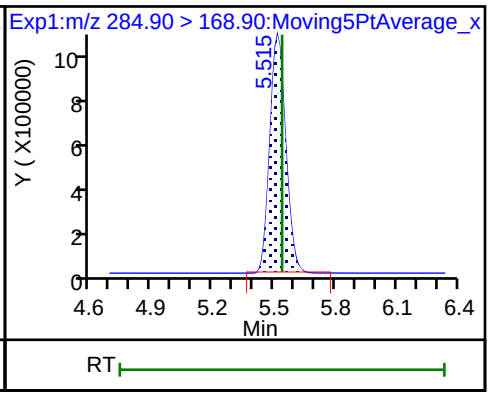
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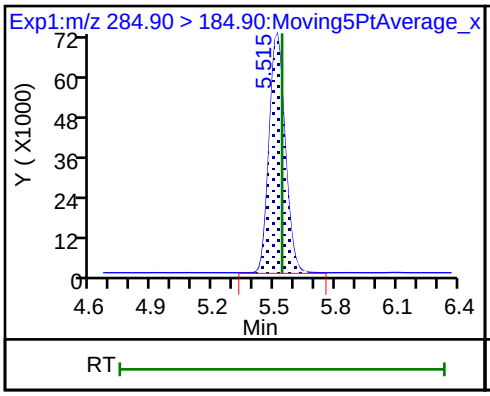
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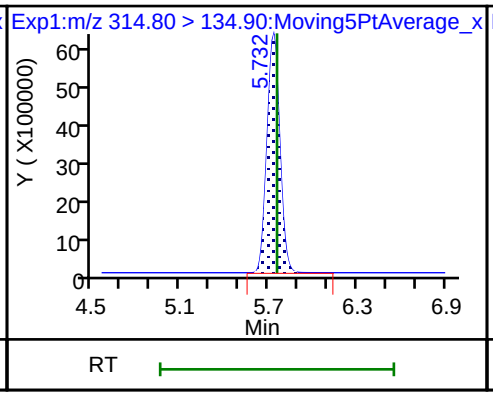
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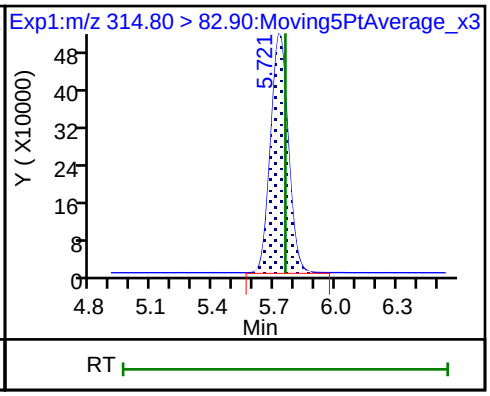
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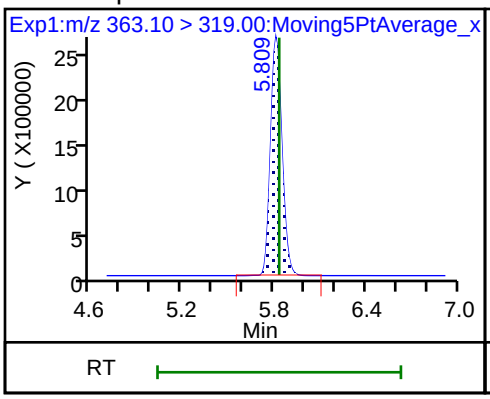
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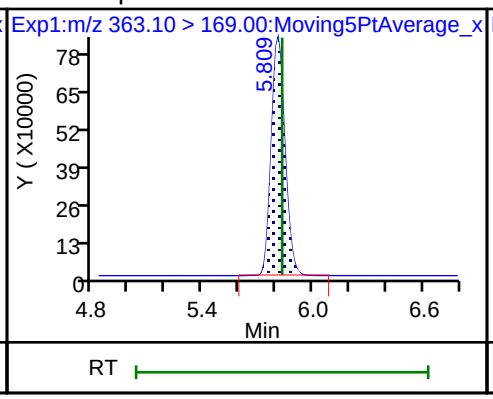
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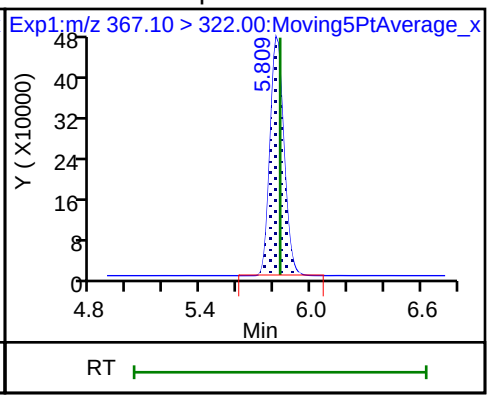
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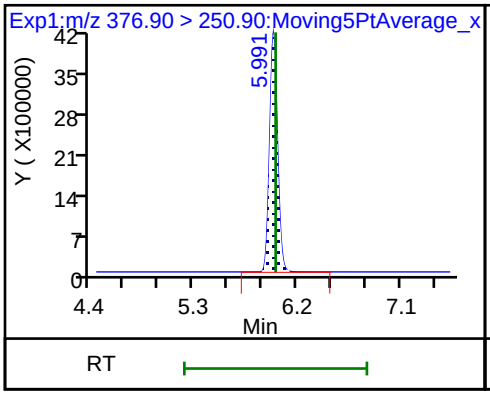
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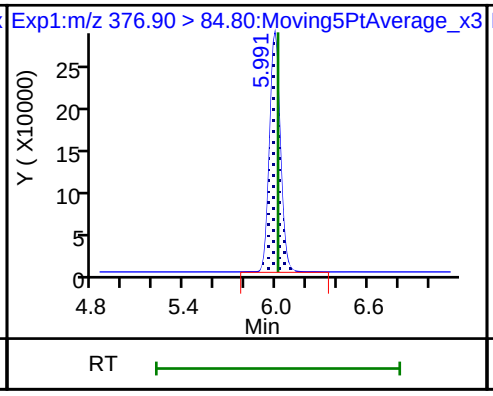
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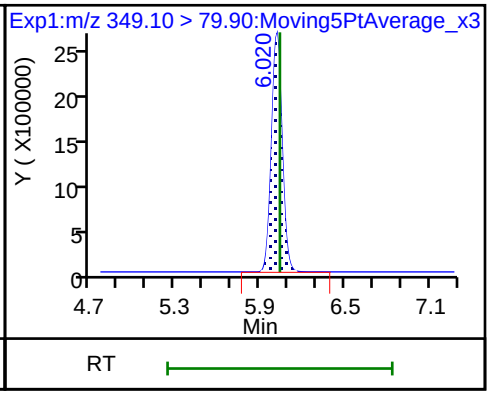
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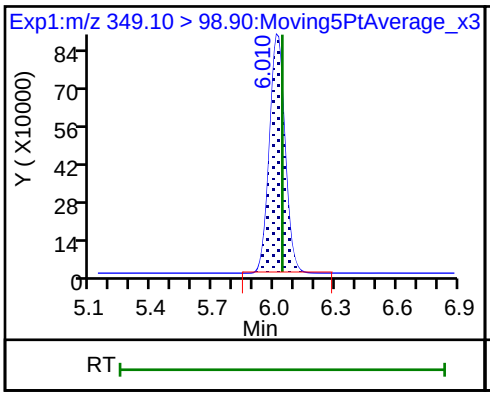
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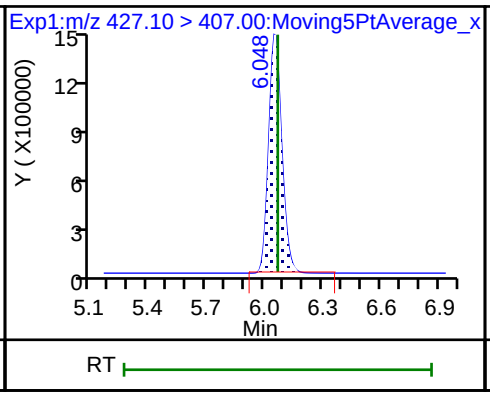
29 PFPeS



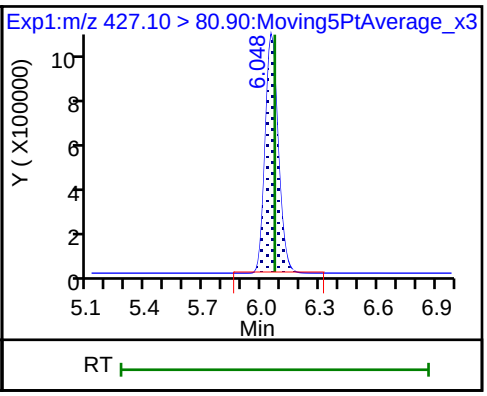
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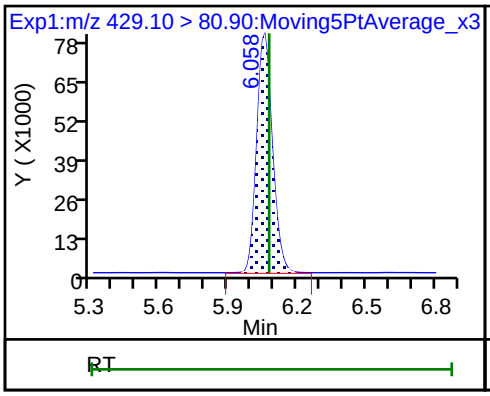
30 6:2FTS



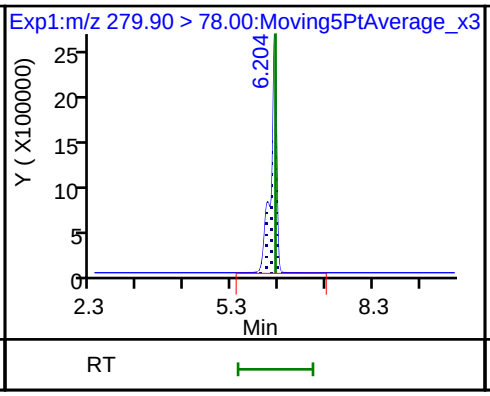
30 6:2FTS



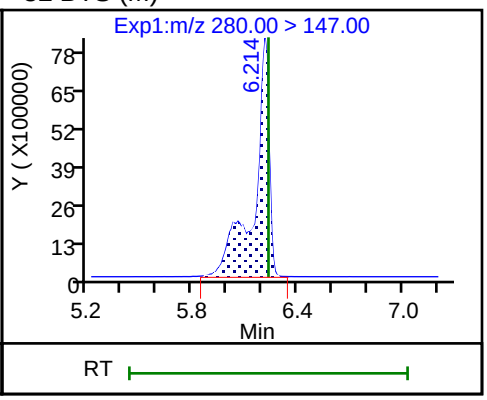
D 31 13C2-6:2FTS



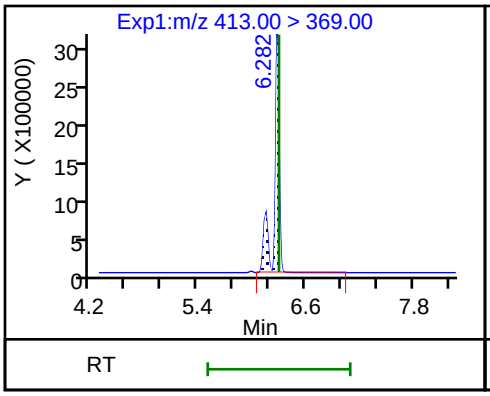
33 FBSA



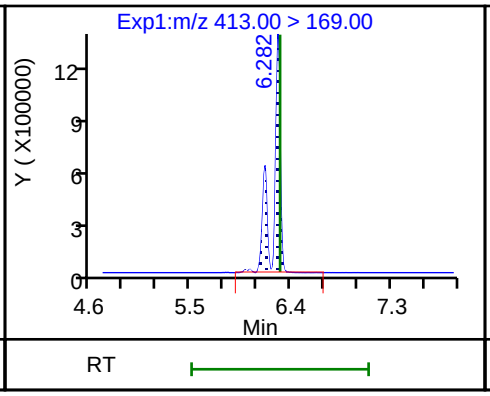
32 BTS (M)



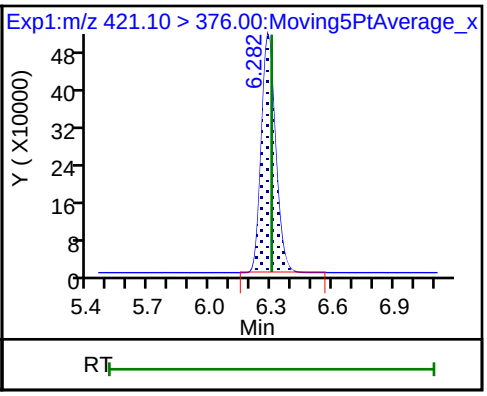
36 PFOA



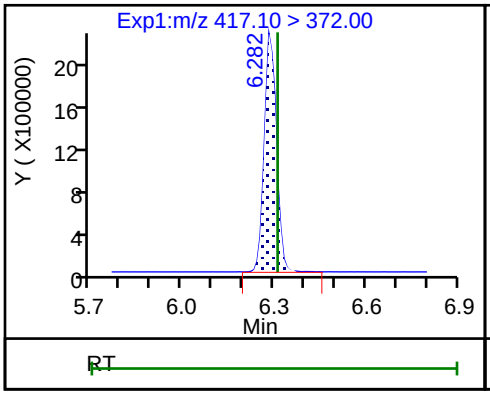
36 PFOA



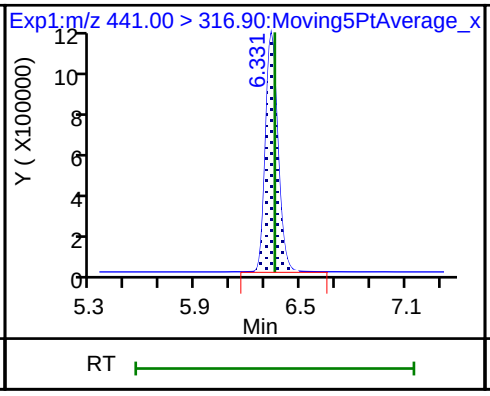
D 34 13C8 PFOA



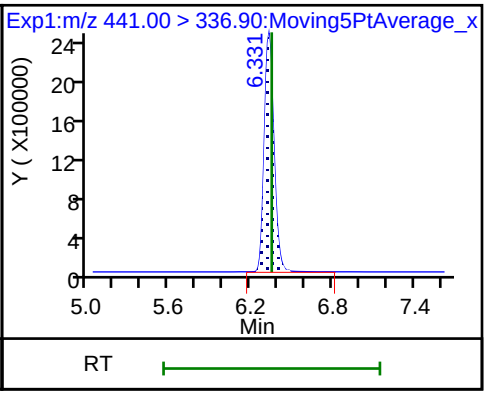
* 35 13C4 PFOA



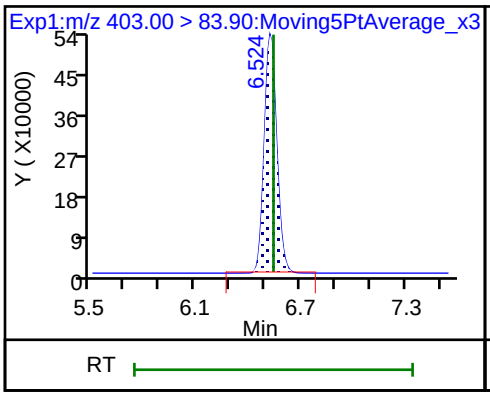
37 7:3 FTCA



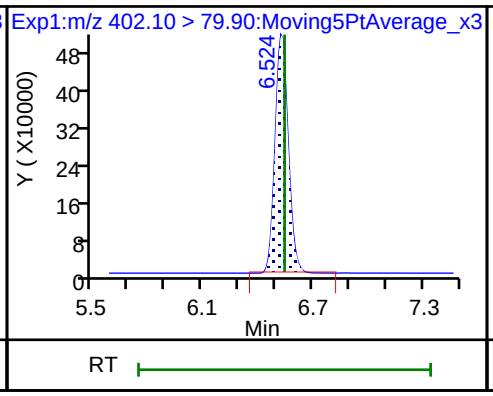
37 7:3 FTCA



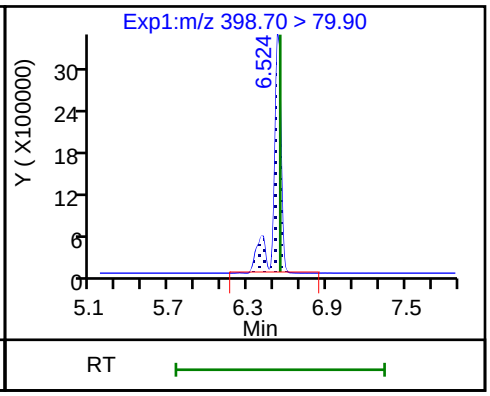
* 38 18O2 PFHxS



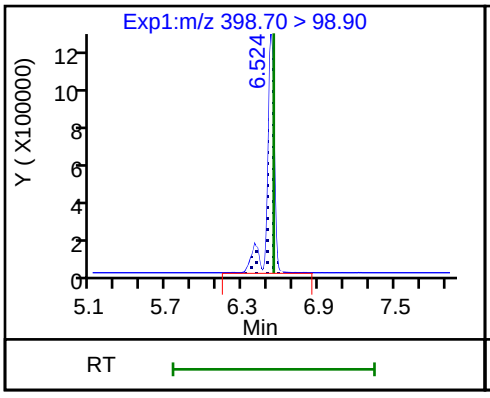
D 39 13C3 PFHxS



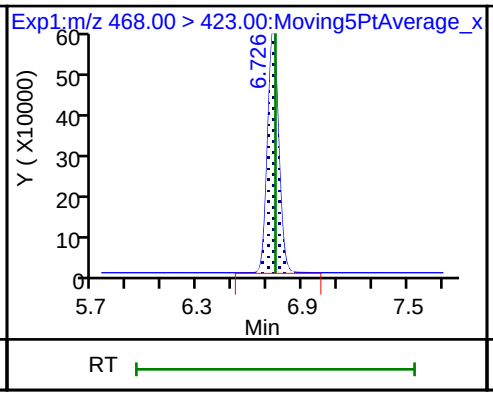
40 PFHxS



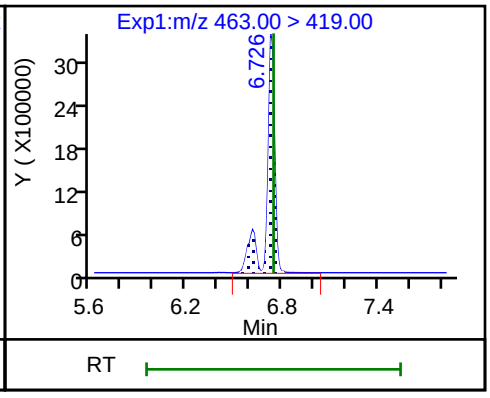
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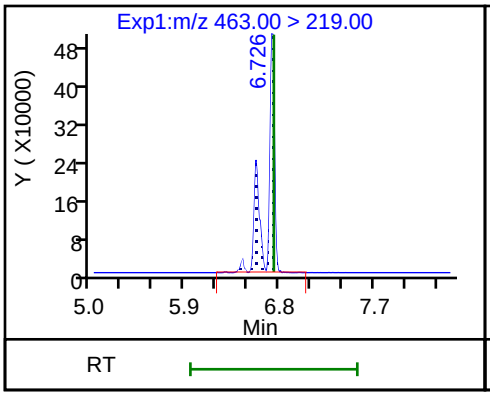
* 43 13C5 PFNA



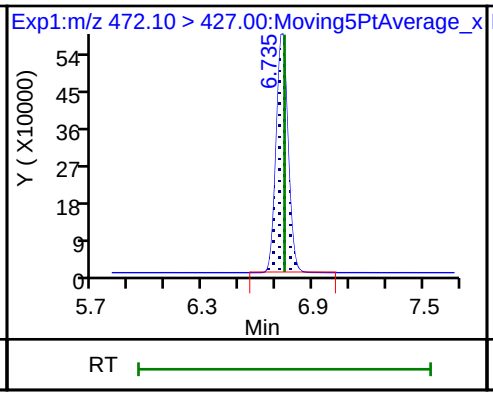
42 PFNA



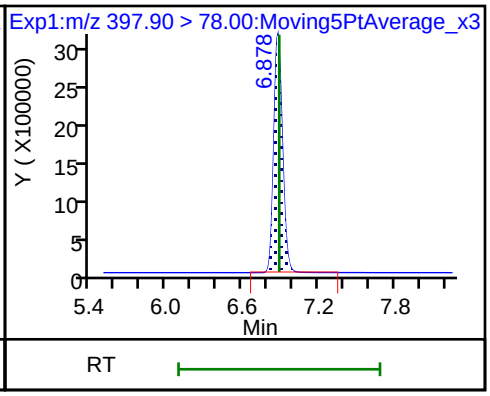
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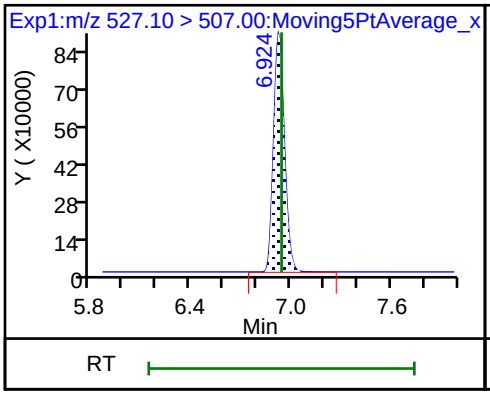
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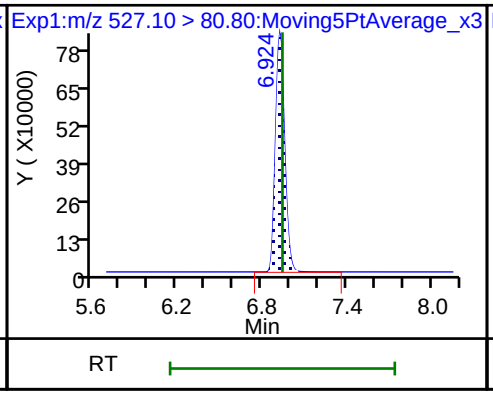
48 FHxSA



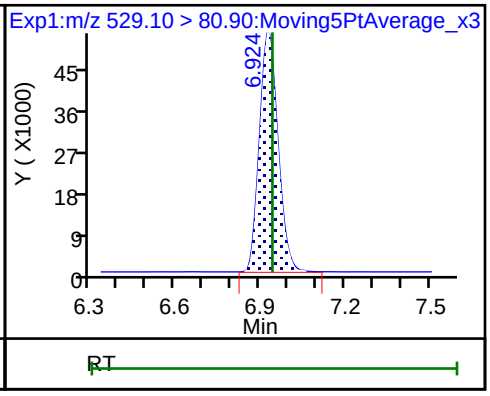
44 8:2FTS



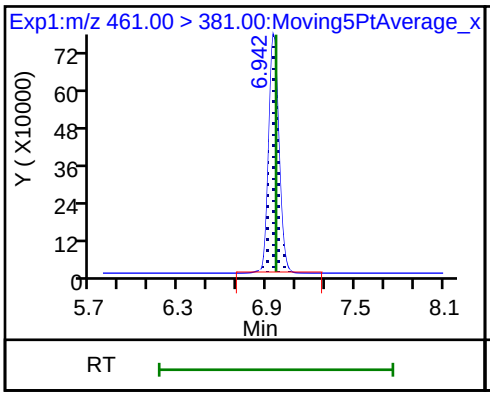
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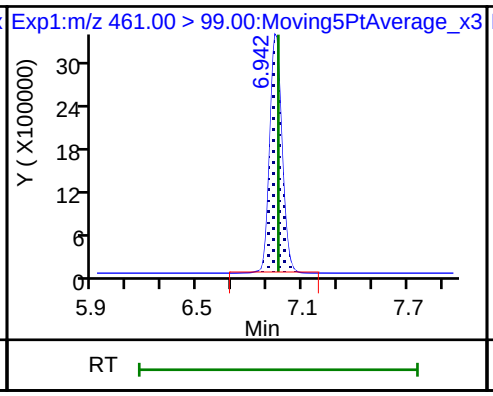
D 45 13C2-8:2FTS



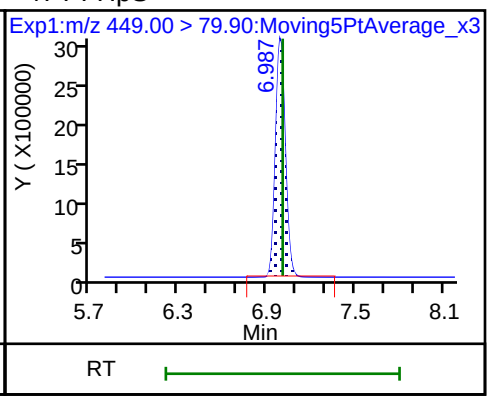
46 PFECHS



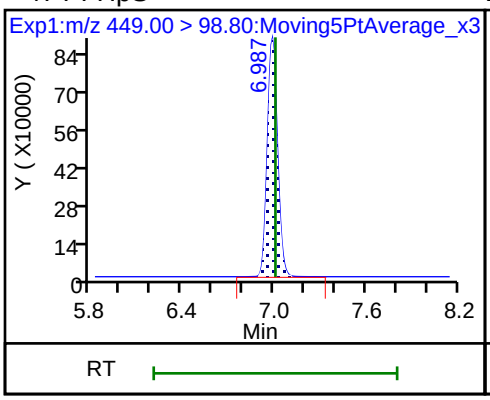
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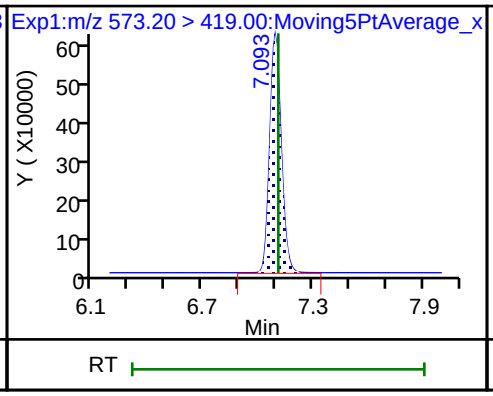
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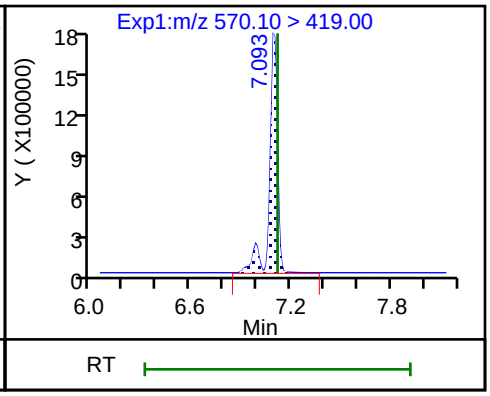
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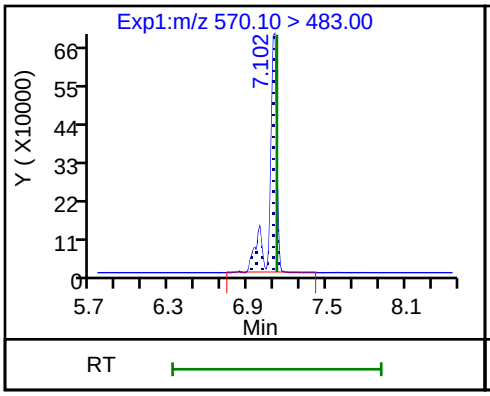
D 50 d3-NMeFOSAA



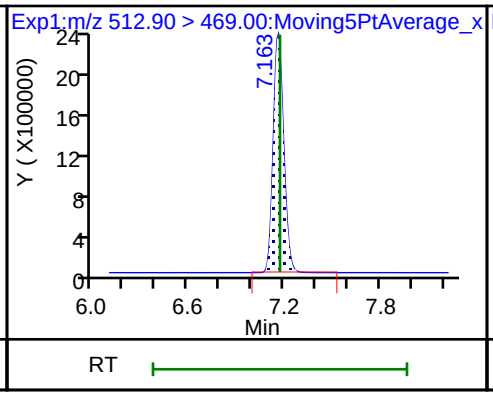
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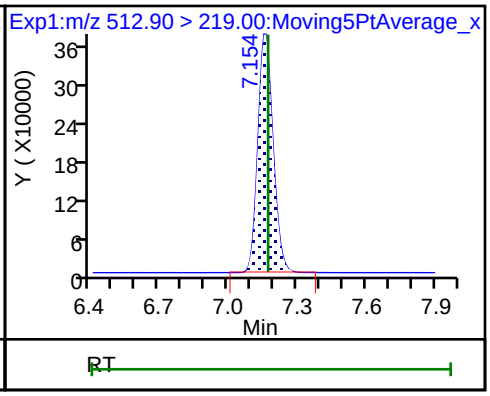
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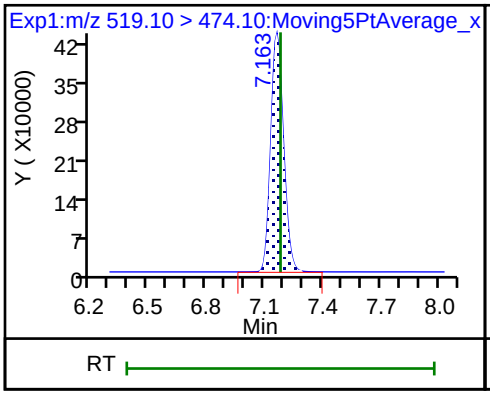
51 PFDA



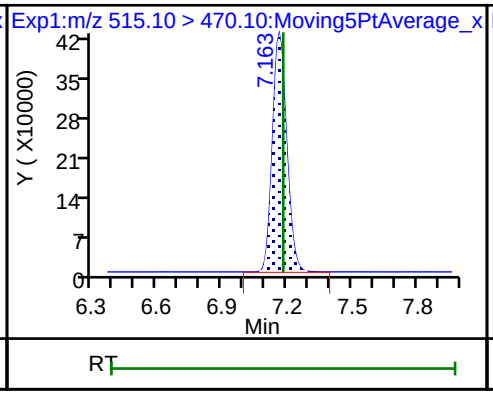
51 PFDA



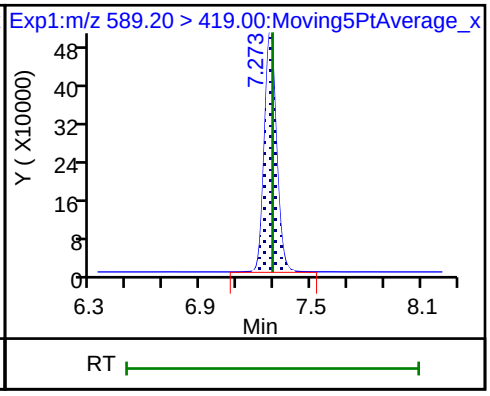
D 53 13C6 PFDA



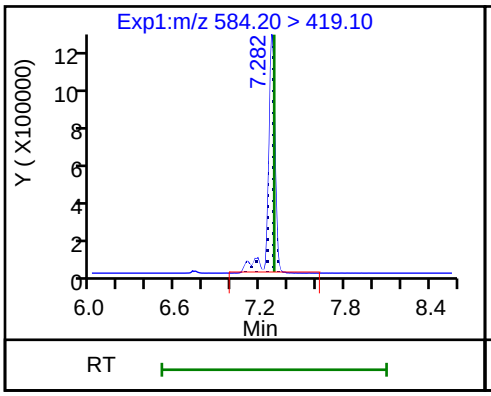
* 52 13C2 PFDA



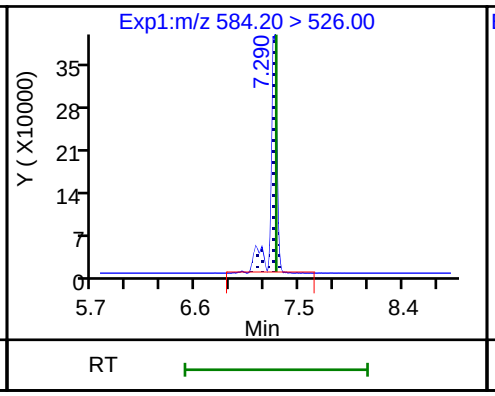
D 54 d5-NEtFOSAA



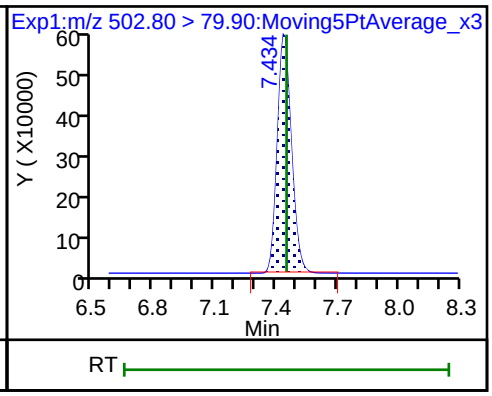
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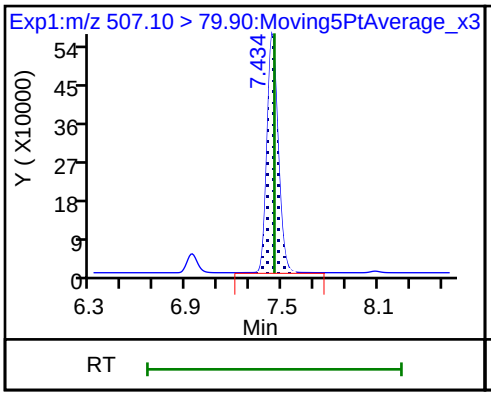
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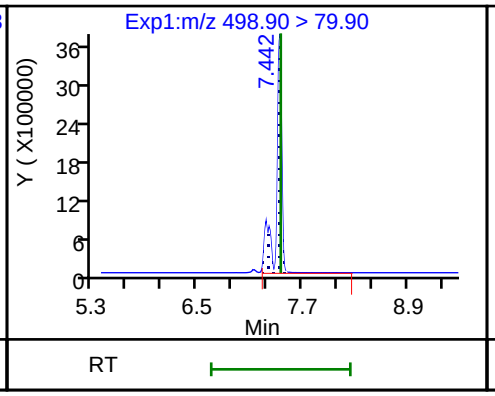
* 57 13C4 PFOS



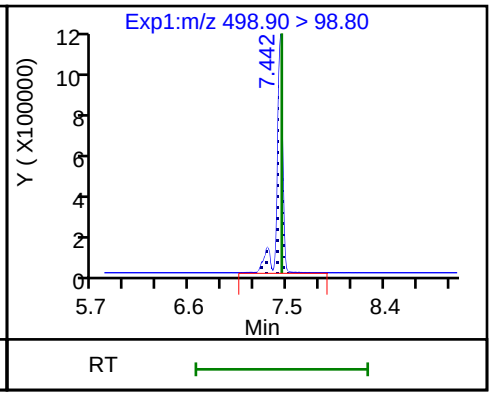
D 56 13C8 PFOS



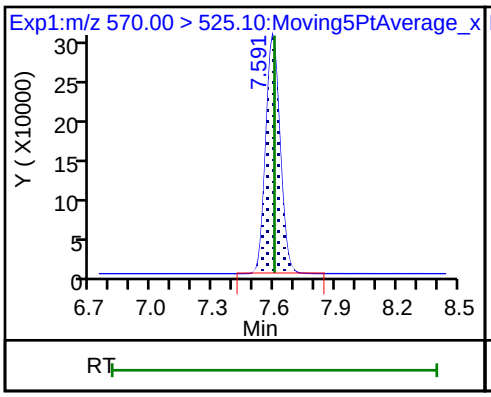
58 PFOS



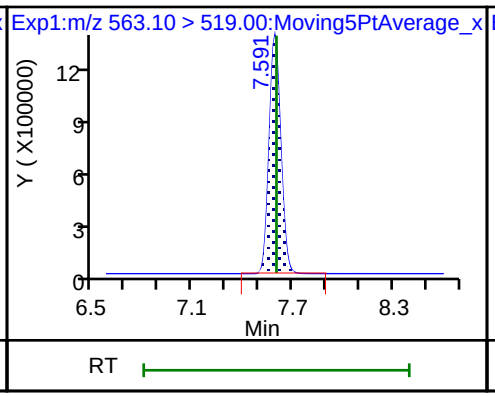
58 PFOS



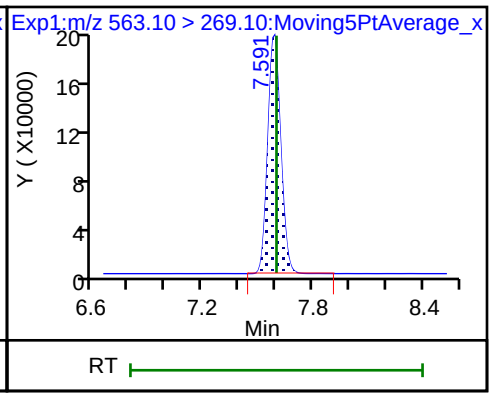
D 60 13C7 PFUnA



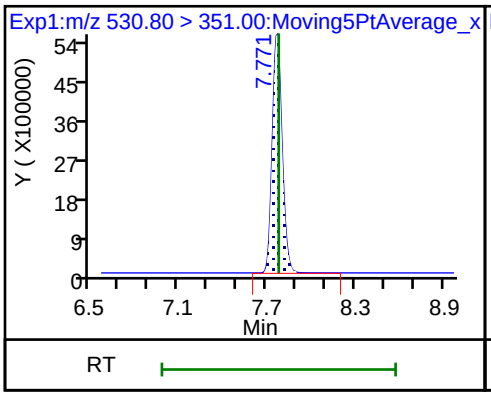
59 PFUnA



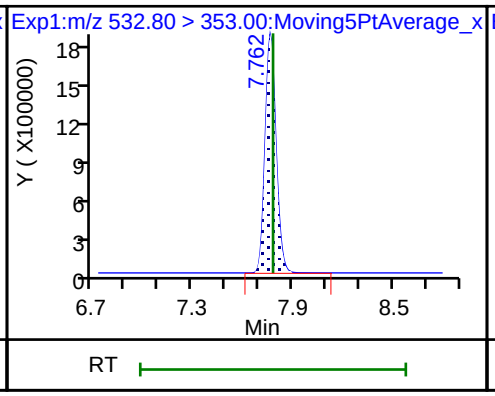
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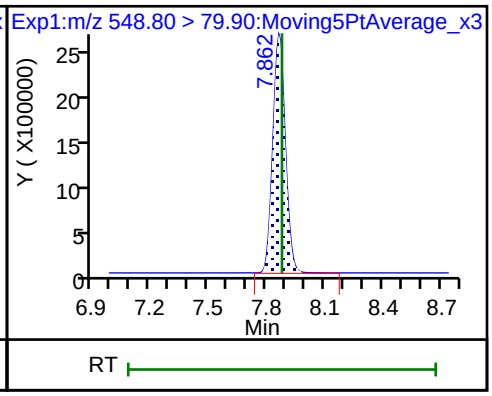
61 9ClFOS



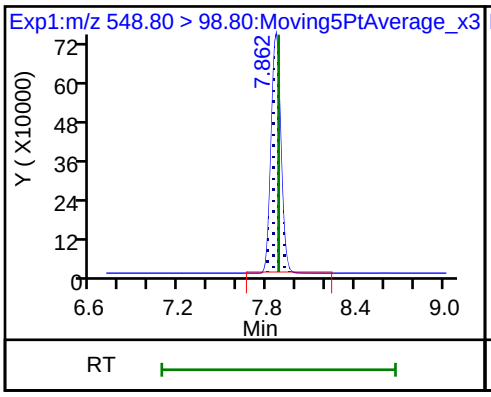
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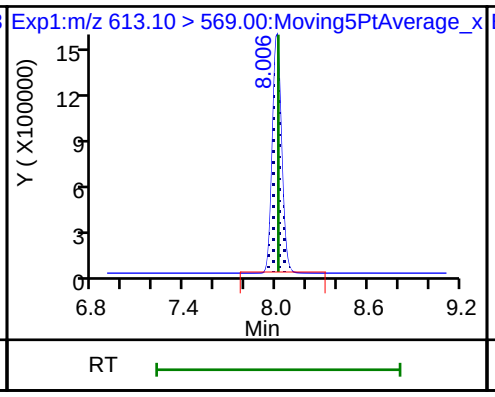
62 PFNS



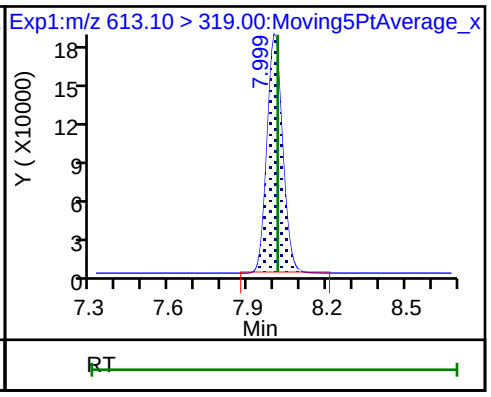
62 PFNS



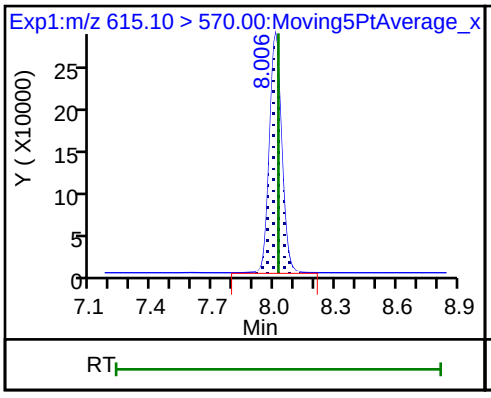
63 PFDoA



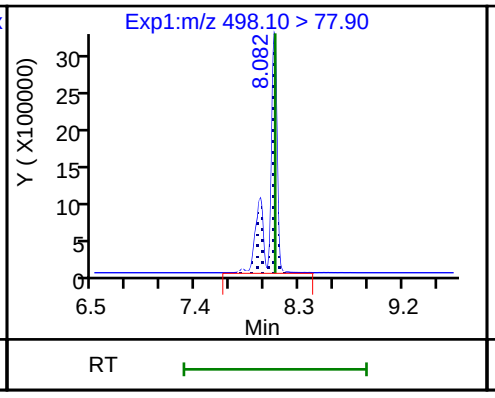
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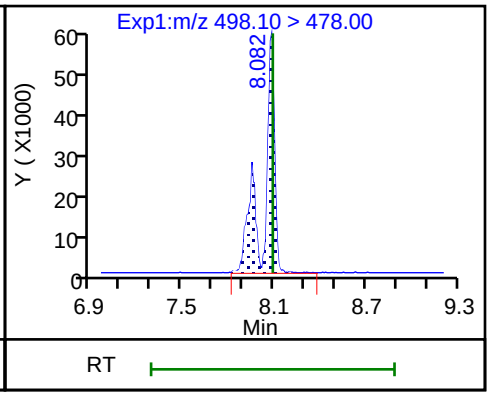
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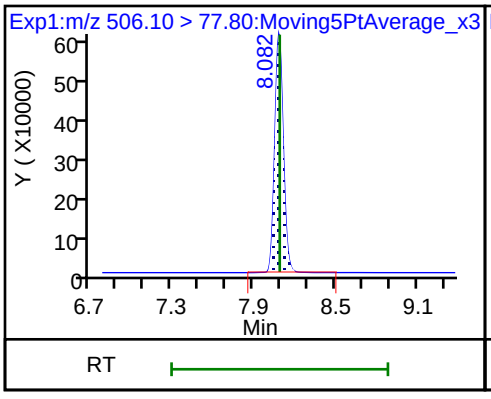
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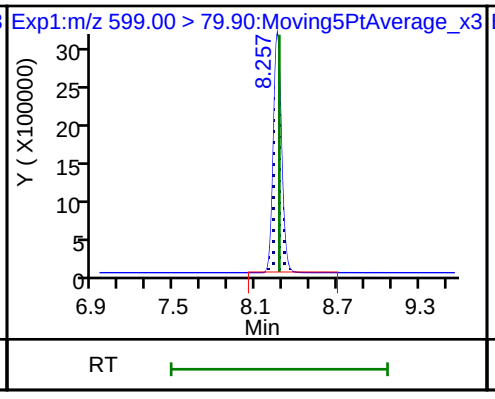
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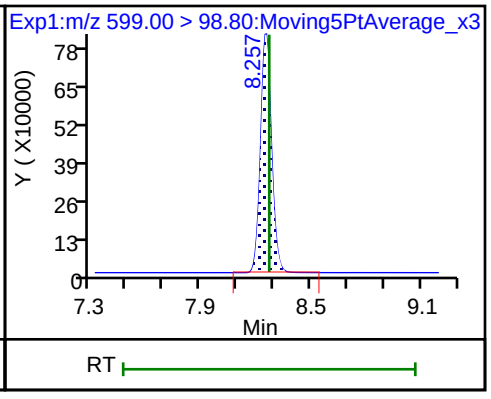
D 66 13C8 FOSA



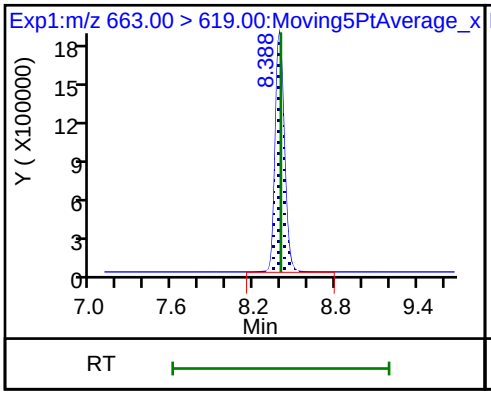
67 PFDS



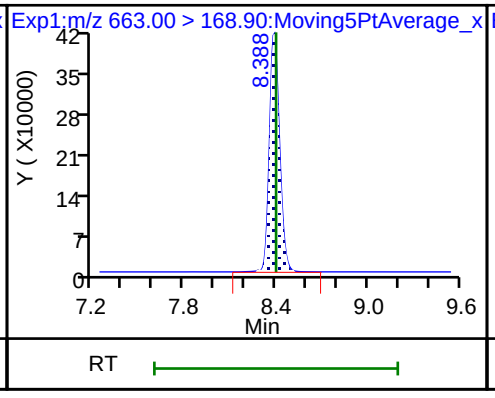
67 PFDS



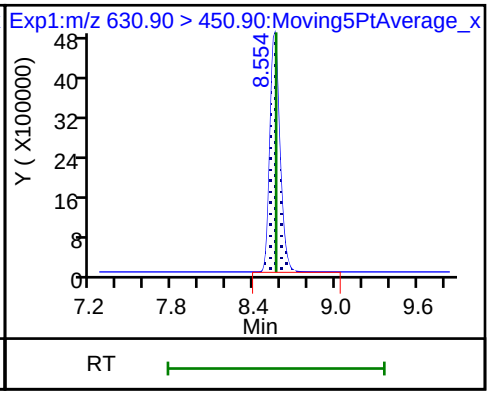
68 PFTrDA



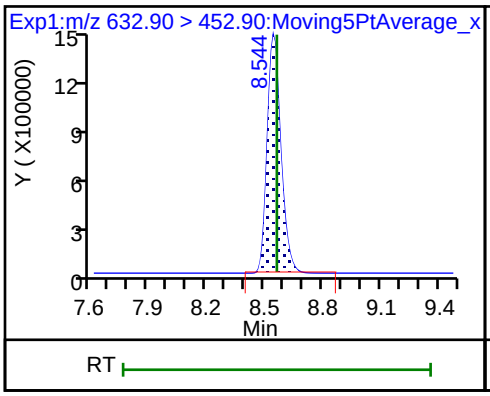
68 PFTrDA



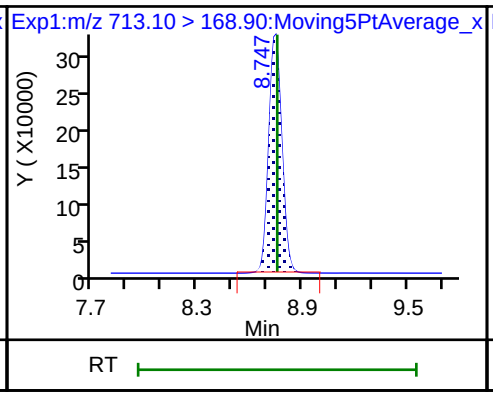
69 11ClFOS



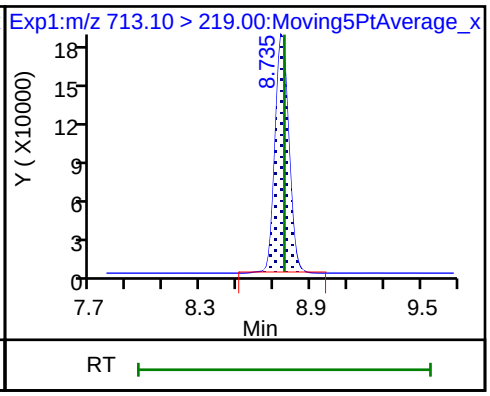
69 11ClFOS



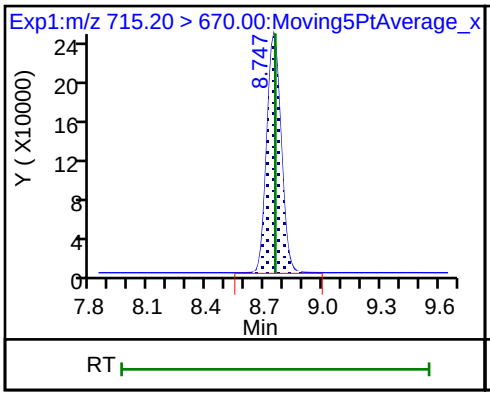
70 PFTeDA



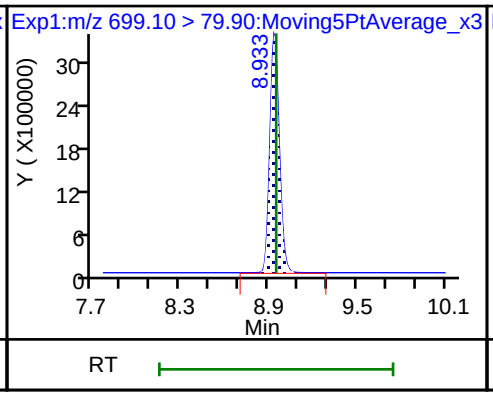
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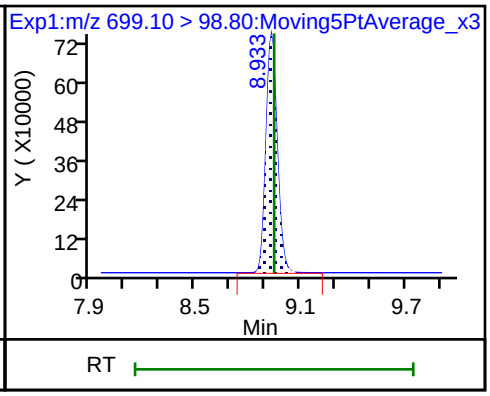
D 71 13C2 PFTeDA



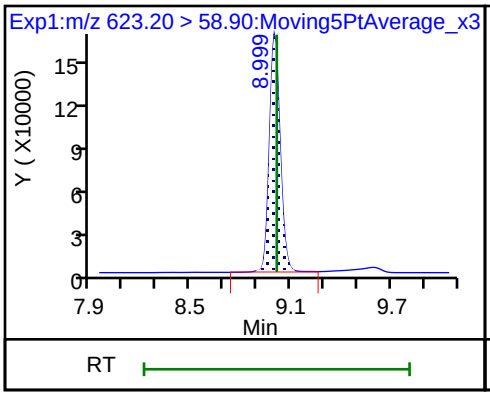
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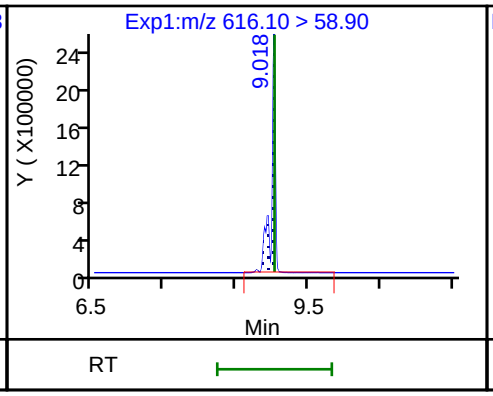
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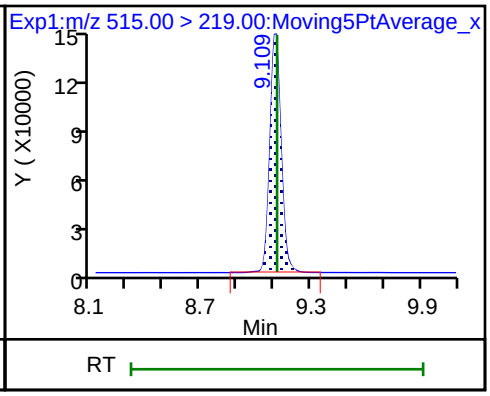
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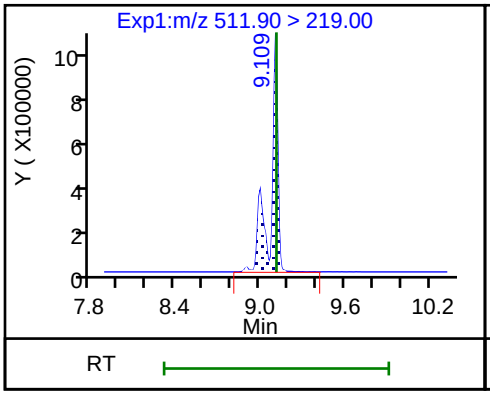
74 N-MeFOSE-M



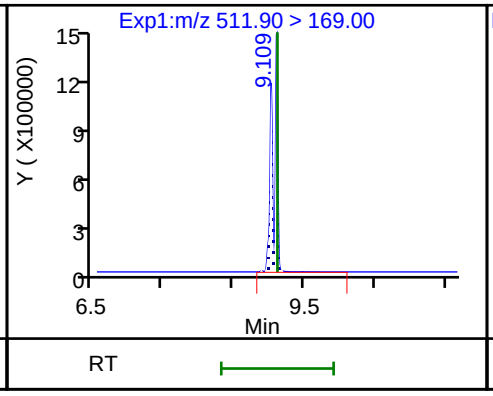
D 75 d3-NMePFOSA



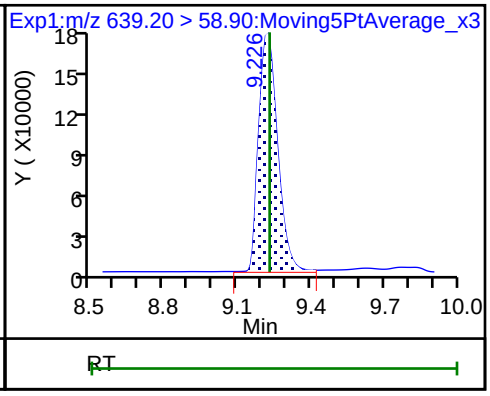
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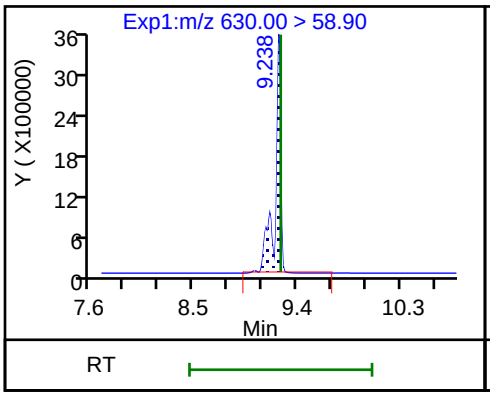
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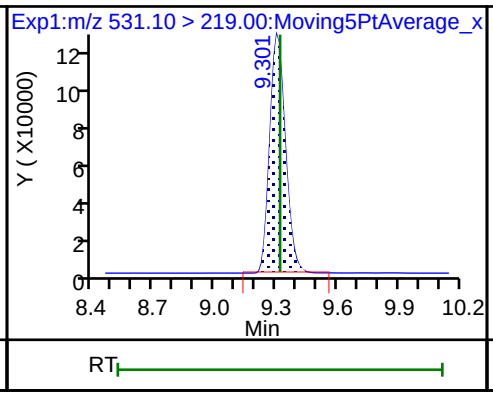
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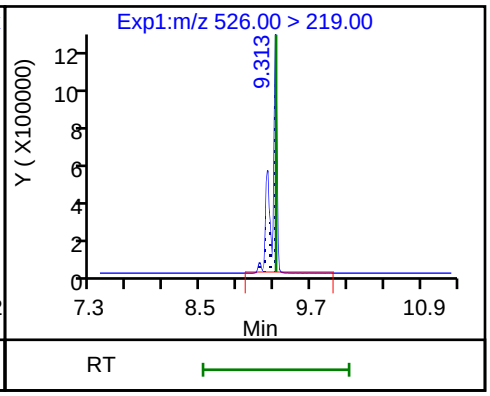
78 N-EtFOSE-M



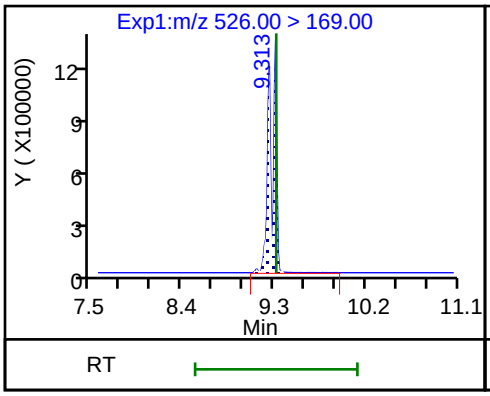
D 79 d5-NEtPFOSA



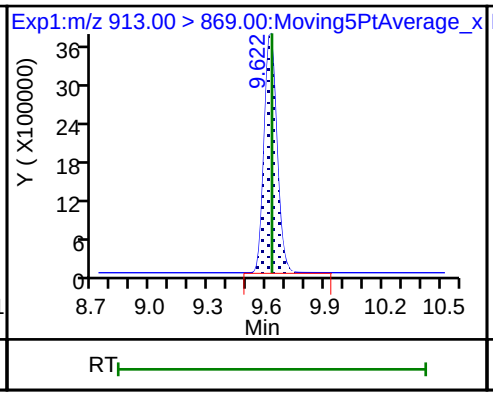
80 N-EtFOSA-M



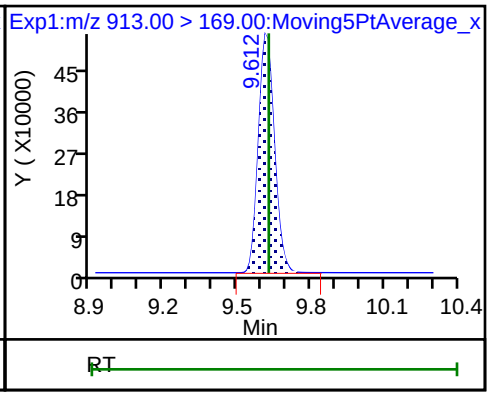
80 N-EtFOSA-M



81 Perfluorooctadecanoic acid



81 Perfluorooctadecanoic acid



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-08.d
Lims ID: IC CAL 8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 27-Feb-2025 16:49:35 ALS Bottle#: 20009 Worklist Smp#: 8
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: IC CAL 8
Misc. Info.: Plate: 1 Rack: 1 410-0139404-008
Operator ID: US19_USR_INS00012E Instrument ID: 29347
Sublist: chrom-29347_1633Final*sub1

Method: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\29347_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 27-Feb-2025 19:06:03 Calib Date: 27-Feb-2025 16:49:35
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1602

First Level Reviewer: LDU5 Date: 27-Feb-2025 17:44:03
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C3PFPrA										
166.00 > 121.00	1.824	1.832	-0.008	0.442	1048669	2.31		115	298	
D 4 13C4-PFBA										
216.80 > 171.90	4.127	4.147	-0.020	1.000	2022381	1.90		94.8	52189	
3 PFBA										
212.80 > 168.90	4.127	4.147	-0.020	1.000	78609122	80.0		80.0	92376	
* 5 13C3PFBA										
216.00 > 172.00	4.127	4.153	-0.026		1860428	2.00			563	
8 PFPA										
263.00 > 219.00	4.729	4.762	-0.033	1.000	32143543	45.4		90.8	350892	
D 9 13C5 PFPeA										
268.30 > 223.00	4.729	4.762	-0.033	0.893	885967	1.92		96.1	41650	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.085	5.107	-0.022	0.779	580090	4.81		102	33254	
16 PFHxA										
313.00 > 269.00	5.297	5.324	-0.027	1.000	38067647	43.7	Target=12.95	87.4	467613	
313.00 > 118.90	5.297	5.324	-0.027	1.000	3299774		11.54(6.47-19.42)	87.4	174487	
* 15 13C2 PFHxA										
315.10 > 270.00	5.297	5.324	-0.027		4460992	5.00			134845	
D 17 13C5 PFHxA										
318.00 > 273.00	5.297	5.324	-0.027	1.000	1860387	1.93		96.6	98463	
19 PFBS										
298.70 > 79.90	5.446	5.469	-0.023	1.000	53326896	35.5	Target=3.01	79.9	579225	
298.70 > 98.80	5.435	5.469	-0.034	0.998	20619615		2.59(1.51-4.52)	79.9	859277	
D 20 13C3 PFBS										
302.10 > 79.90	5.446	5.469	-0.023	0.835	2565603	1.75		93.9	107651	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.515	5.538	-0.023	1.041	1314787	2.12		106	60730	
21 HFPO-DA										
284.90 > 168.90	5.515	5.538	-0.023	1.000	29424432	39.0	Target=15.29	78.1	273626	
284.90 > 184.90	5.515	5.538	-0.023	1.000	2126269		13.84(7.65-22.94)	78.1	132854	
26 PFHpA										
363.10 > 319.00	5.809	5.831	-0.022	1.000	48220036	43.0	Target=3.19	86.0	903635	
363.10 > 169.00	5.809	5.831	-0.022	1.000	18043569		2.67(1.60-4.79)	86.0	863852	
D 27 13C4 PFHpA										
367.10 > 322.00	5.809	5.831	-0.022	1.097	2212438	1.88		93.9	106473	
28 ADONA										
376.90 > 250.90	5.991	6.011	-0.020	1.086	45460028	20.8	Target=14.18	58.7	839009	
376.90 > 84.80	5.991	6.011	-0.020	1.086	3953910		11.50(7.09-21.26)	58.7	205482	
29 PFPeS										
349.10 > 79.90	6.020	6.039	-0.019	0.923	48207875	38.1	Target=2.90	81.1	1328369	
349.10 > 98.90	6.020	6.039	-0.019	0.923	19920654		2.42(1.45-4.36)	81.1	783543	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.058	6.077	-0.019	0.928	382186	4.56		95.9	27430	
36 PFOA										
413.00 > 369.00	6.292	6.301	-0.009	1.002	45946745	43.8	Target=2.12	87.6	565726	
413.00 > 169.00	6.282	6.301	-0.019	1.000	23004146		2.00(1.06-3.17)	87.6	2713827	
D 34 13C8 PFOA										
421.10 > 376.00	6.282	6.301	-0.019	0.998	2309772	1.91		95.3	119874	
* 35 13C4 PFOA										
417.10 > 372.00	6.292	6.310	-0.018		5980868	5.00			721586	
* 38 18O2 PFHxS										
403.00 > 83.90	6.525	6.545	-0.020		2560536	1.89			172258	
D 39 13C3 PFHxS										
402.10 > 79.90	6.525	6.545	-0.020	1.000	2295663	1.73		91.2	116154	
40 PFHxS										
398.70 > 79.90	6.535	6.545	-0.010	1.002	54541431	43.2	Target=2.92	94.8	2417783	
398.70 > 98.90	6.525	6.545	-0.020	1.000	20664674		2.64(1.46-4.39)	94.8	1917584	
D 41 13C9 PFNA										
472.10 > 427.00	6.727	6.745	-0.017	1.000	2333398	1.93		96.6	131356	
* 43 13C5 PFNA										
468.00 > 423.00	6.727	6.745	-0.017		2471571	2.00			139561	
42 PFNA										
463.00 > 419.00	6.727	6.745	-0.017	1.000	43563389	43.8	Target=5.06	87.6	1135517	
463.00 > 219.00	6.727	6.745	-0.017	1.000	9674231		4.50(2.53-7.59)	87.6	1065223	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.925	6.943	-0.018	1.061	259722	4.94		103	19366	
47 PFHpS										
449.00 > 79.90	6.989	7.007	-0.018	0.940	48327407	35.5	Target=3.38	74.5	1003997	
449.00 > 98.80	6.989	7.007	-0.018	0.940	17008194		2.84(1.69-5.07)	74.5	724279	
D 50 d3-NMeFOSAA										
573.20 > 419.00	7.093	7.110	-0.017	0.954	2858111	5.79		116	91968	
D 53 13C6 PFDA										
519.10 > 474.10	7.163	7.182	-0.019	1.000	2133558	1.87		93.3	156109	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 52 13C2 PFDA										
515.10 > 470.10	7.163	7.182	-0.019		2231815	2.00			122442	
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.273	7.290	-0.018	0.978	2359613	5.55		111	103762	
* 57 13C4 PFOS										
502.80 > 79.90	7.434	7.450	-0.016		2592414	1.91			108595	
D 56 13C8 PFOS										
507.10 > 79.90	7.434	7.450	-0.016	1.000	2351556	1.84		96.4	23500	
58 PFOS										
498.90 > 79.90	7.434	7.450	-0.016	1.000	59946502	42.8	Target=3.93	92.1	1418970	
498.90 > 98.80	7.434	7.450	-0.016	1.000	16339004		3.67(1.97-5.89)	92.1	34344	
D 60 13C7 PFUnA										
570.00 > 525.10	7.591	7.600	-0.009	1.060	1488850	1.83		91.3	76858	
D 64 PFDoA										
615.10 > 570.00	7.999	8.020	-0.021	1.117	1188740	1.81		90.4	96291	
D 66 13C8 FOSA										
506.10 > 77.80	8.067	8.089	-0.022	1.085	2653819	2.17		108	100701	
D 71 13C2 PFTeDA										
715.20 > 670.00	8.736	8.755	-0.019	1.220	1330621	1.91		95.7	64579	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	8.999	9.014	-0.015	1.211	749046	5.41		108	4915	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.101	9.114	-0.013	1.224	582698	2.16		108	34883	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.214	9.230	-0.016	1.239	942413	5.44		109	3473	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.301	9.318	-0.017	1.251	660106	2.18		109	24729	

QC Flag Legend

Processing Flags

Reagents:

1633_125_CAL8_00017 Amount Added: 1.00 Units: mL

Report Date: 27-Feb-2025 19:06:04 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-08.d

Injection Date: 27-Feb-2025 16:49:35 Instrument ID: 29347

Lims ID: IC CAL 8

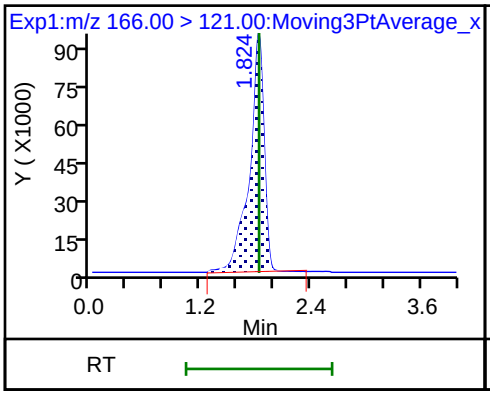
Client ID:

Operator ID: US19_USR_INS00012E ALS Bottle#: 20009 Worklist Smp#: 8

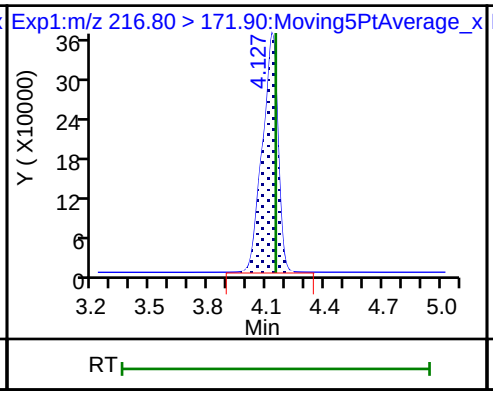
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 29347_1633Final Limit Group: LC - 1633 LVI- ICAL

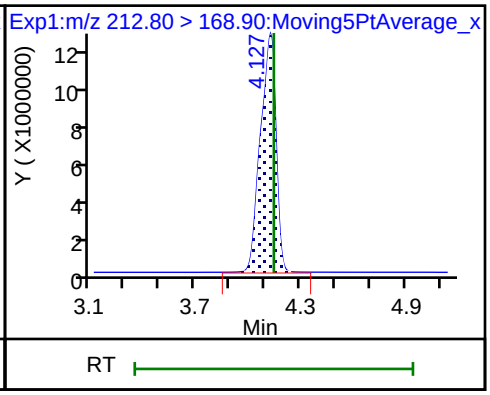
D 1 13C3PFPrA



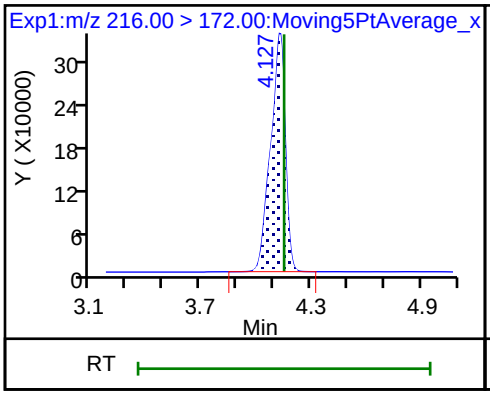
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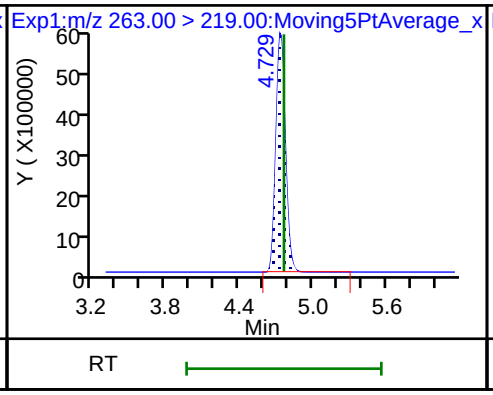
3 PFBA



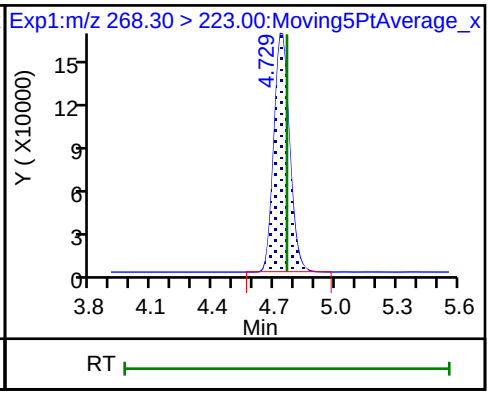
* 5 13C3PFBA



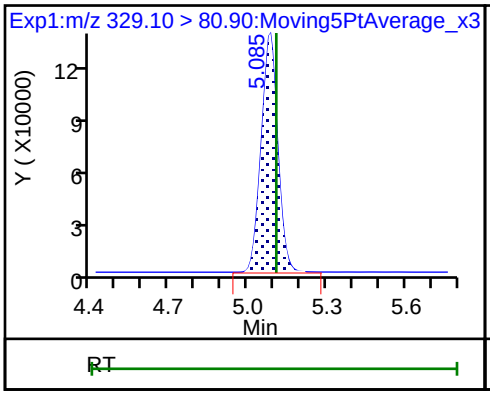
8 PFPA



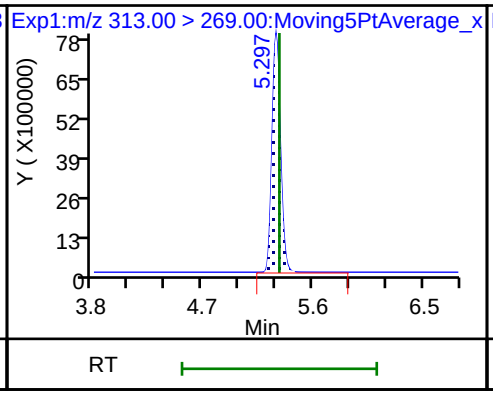
D 9 13C5 PFPeA



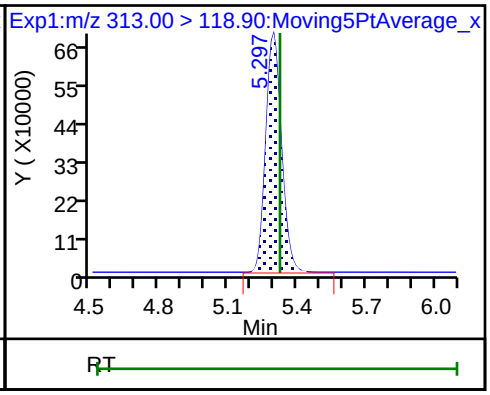
D 13 13C2-4:2FTS



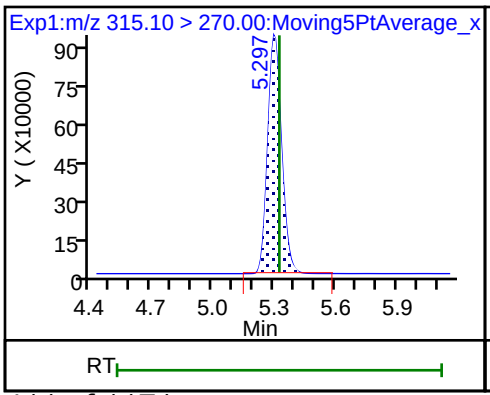
16 PFHxA



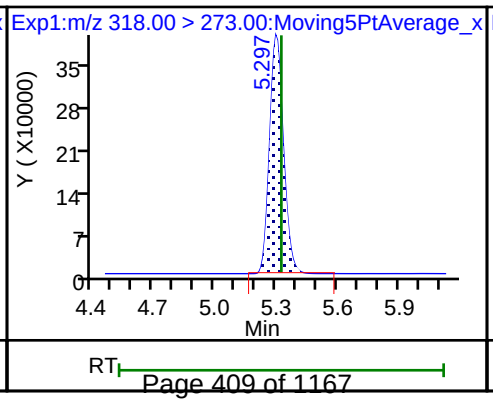
16 PFHxA



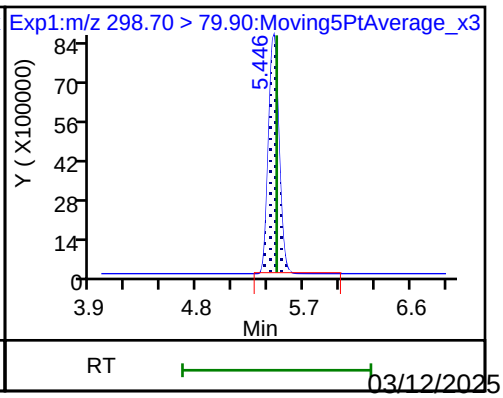
* 15 13C2 PFHxA



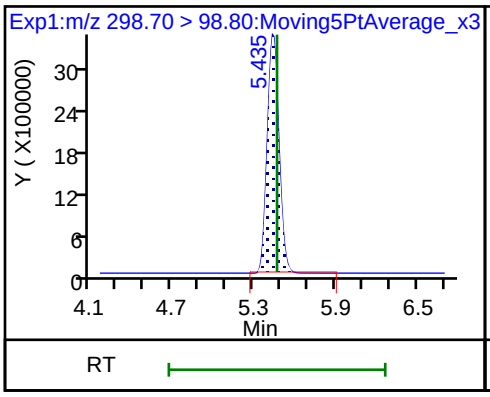
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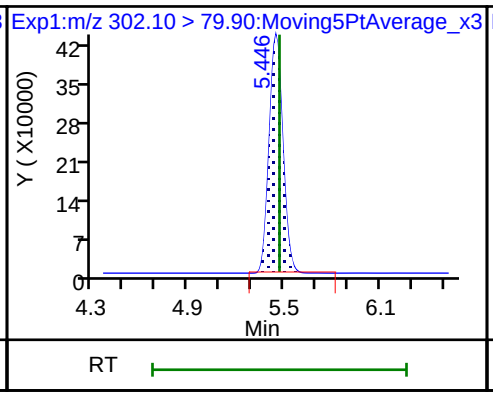
19 PFBS



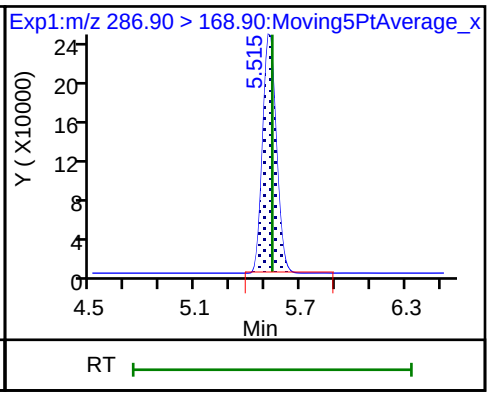
19 PFBS



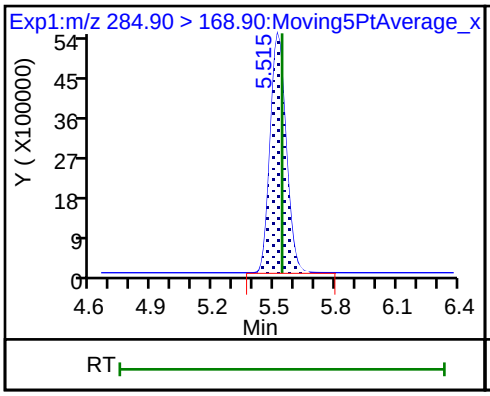
D 20 13C3 PFBS



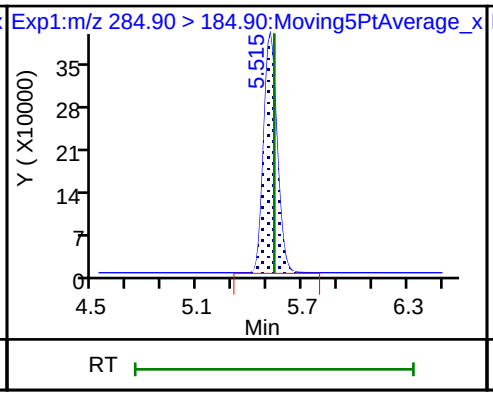
D 22 13C3 HFPO-DA



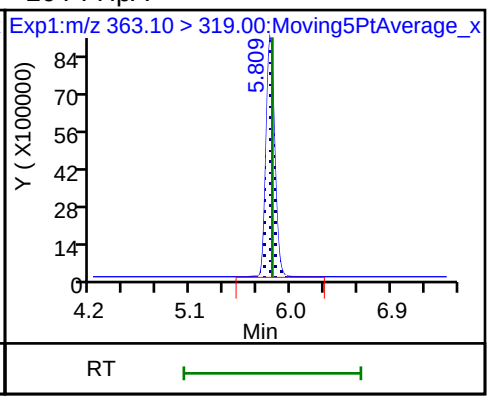
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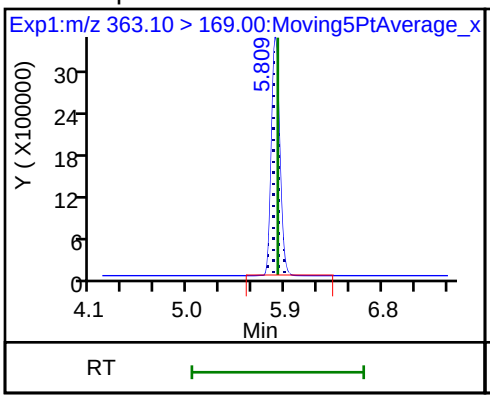
21 HFPO-DA



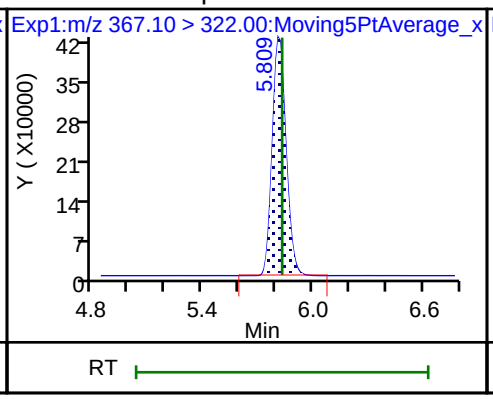
26 PFHpA



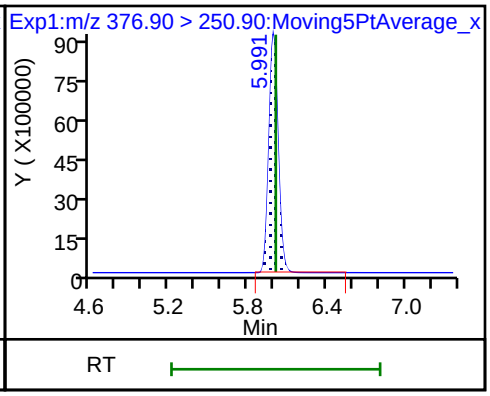
26 PFHpA



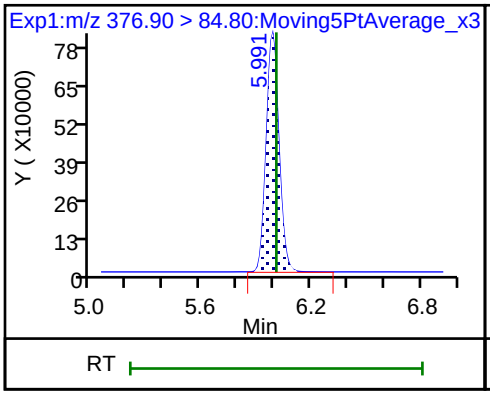
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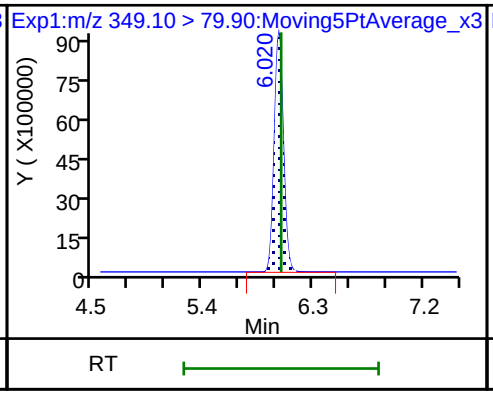
28 ADONA



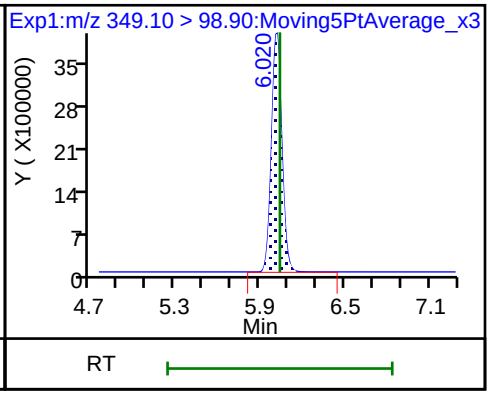
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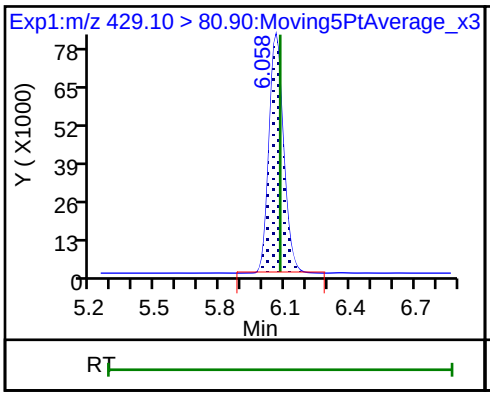
29 PFPeS



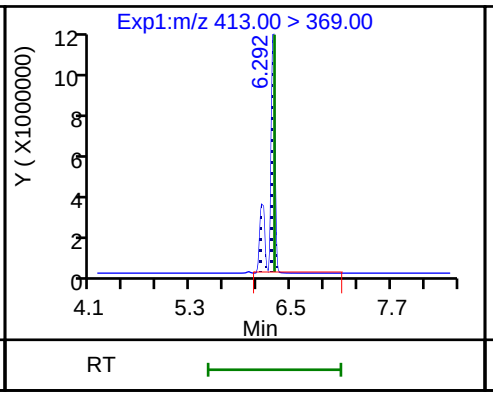
29 PFPeS



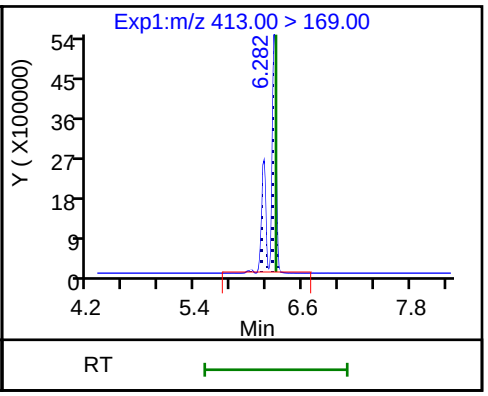
D 31 13C2-6:2FTS



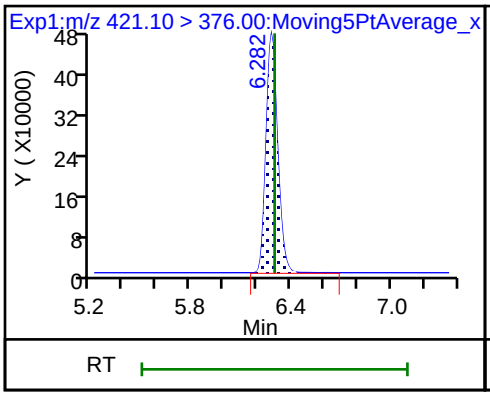
36 PFOA



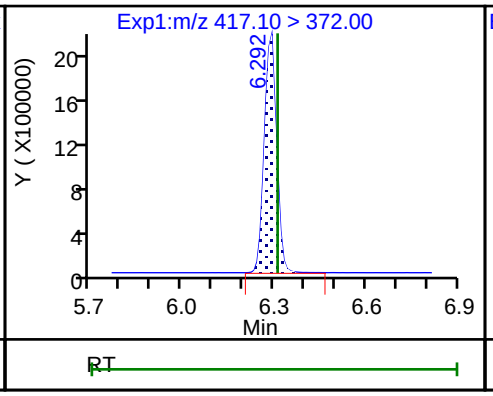
36 PFOA



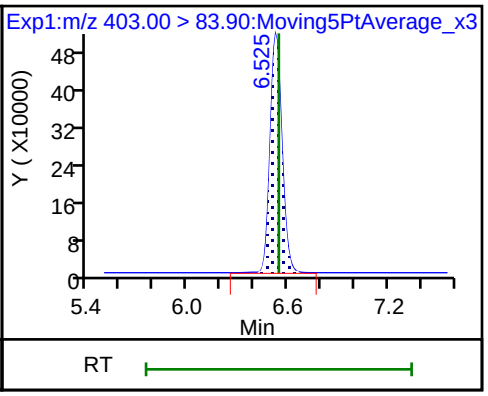
D 34 13C8 PFOA



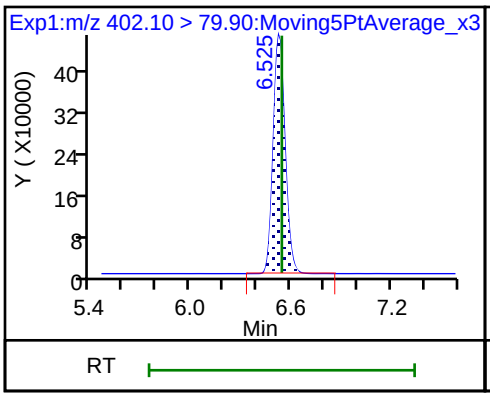
* 35 13C4 PFOA



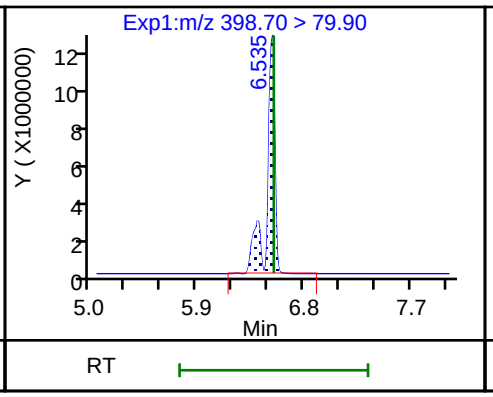
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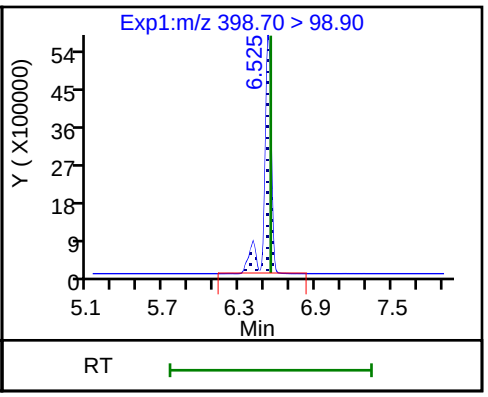
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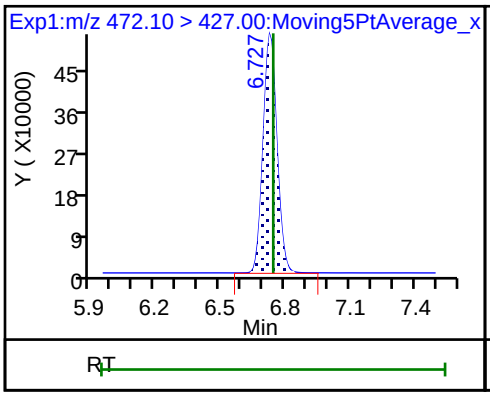
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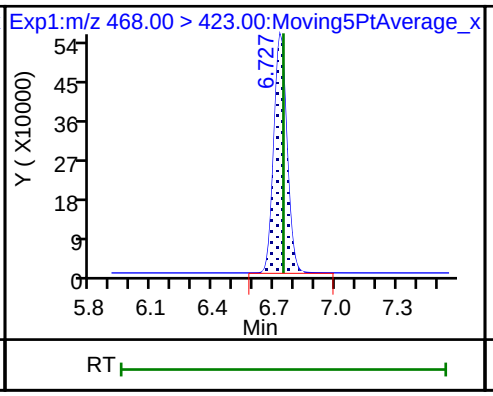
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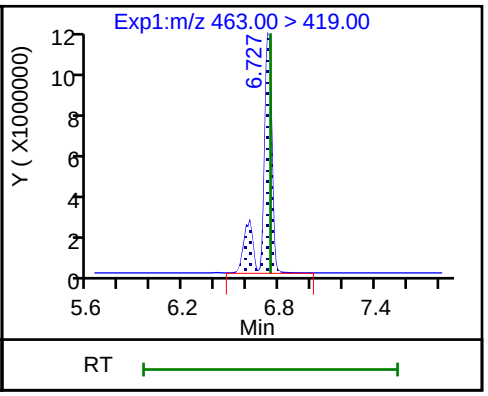
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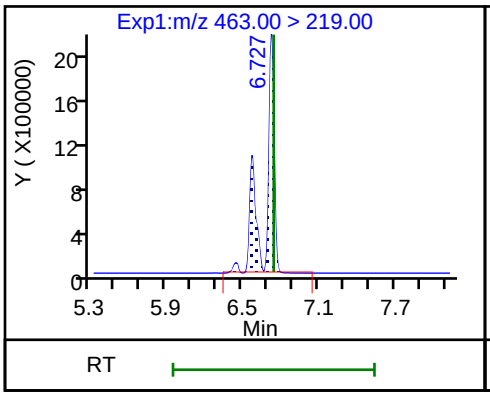
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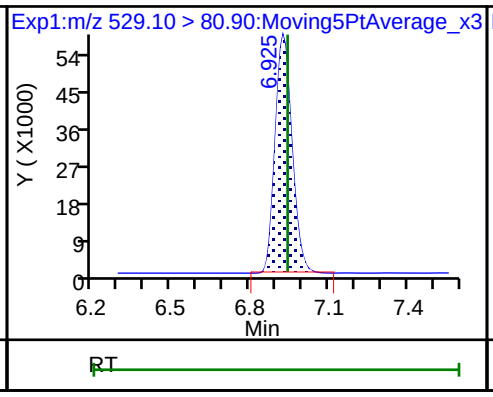
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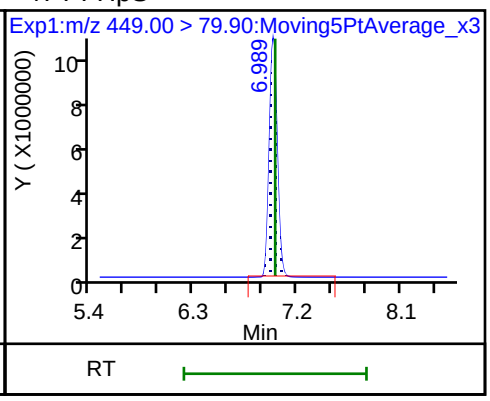
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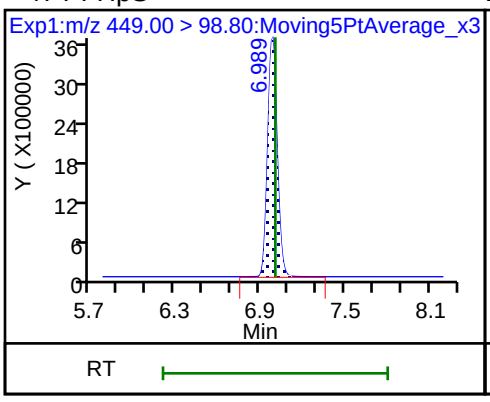
D 45 13C2-8:2FTS



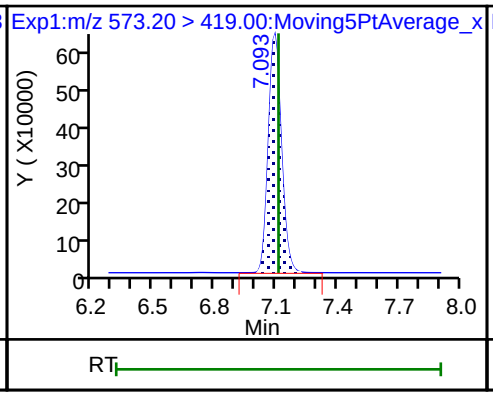
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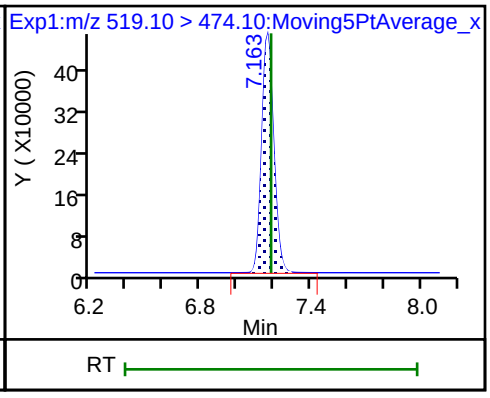
47 PFHpS



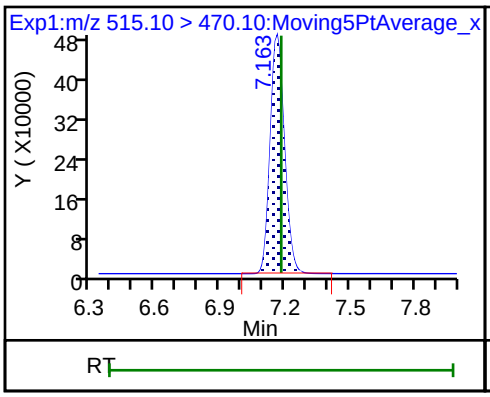
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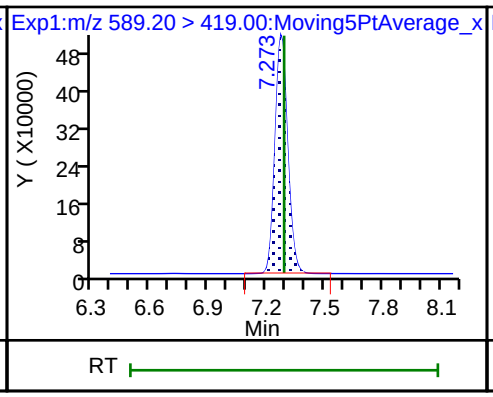
D 53 13C6 PFDA



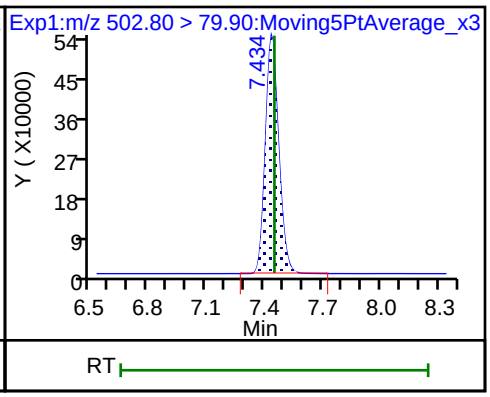
* 52 13C2 PFDA



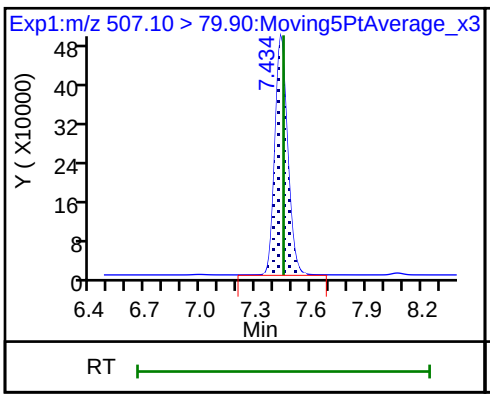
D 54 d5-NEtFOSAA



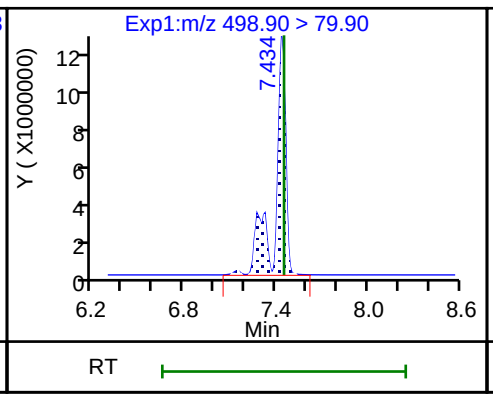
* 57 13C4 PFOS



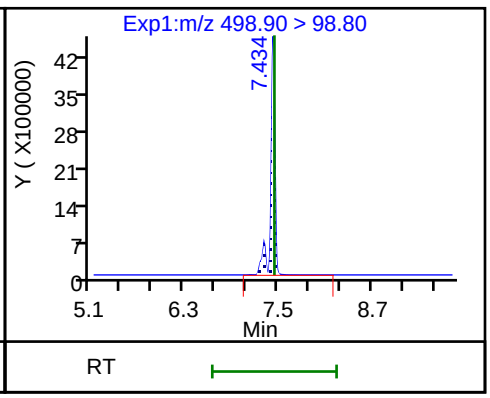
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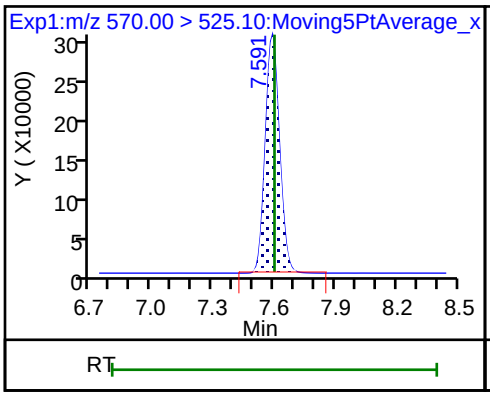
58 PFOS



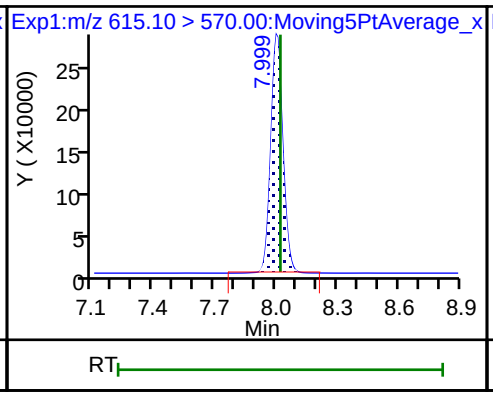
58 PFOS



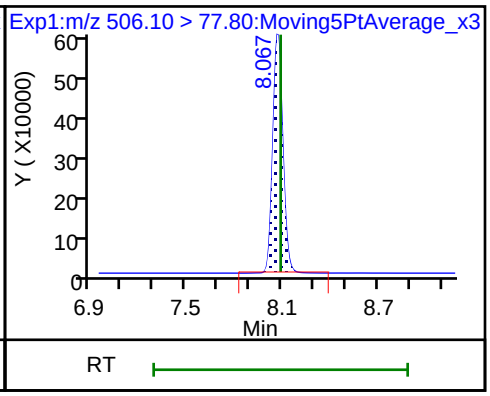
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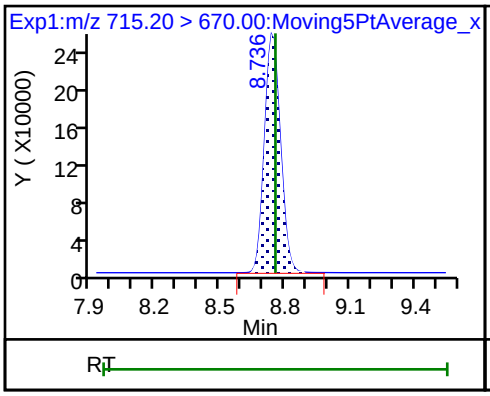
D 64 PFDoA



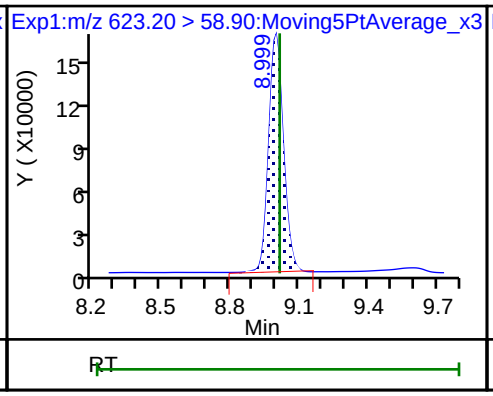
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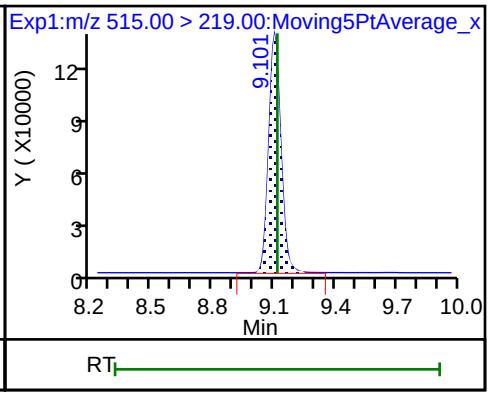
D 71 13C2 PFTeDA



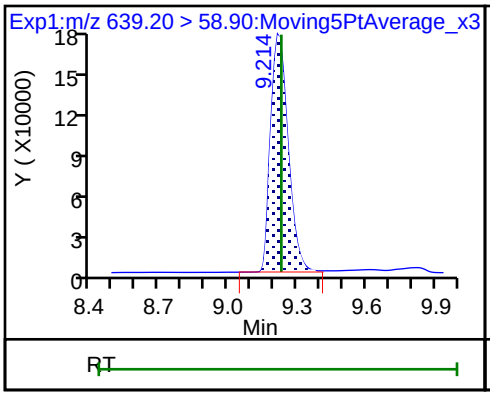
D 73 d7-N-Me-FOSE



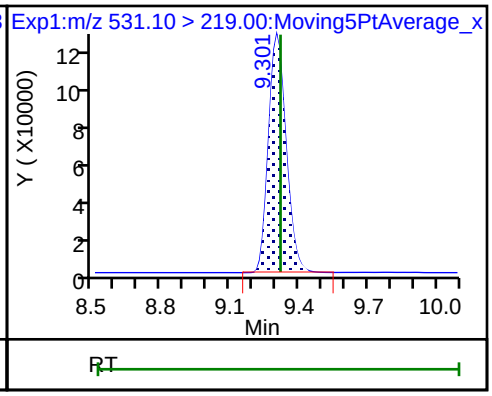
D 75 d3-NMePFOSA



D 77 d9-N-EtFOSE



D 79 d5-NEtPFOSA



Calibration / Perfluoropropionic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

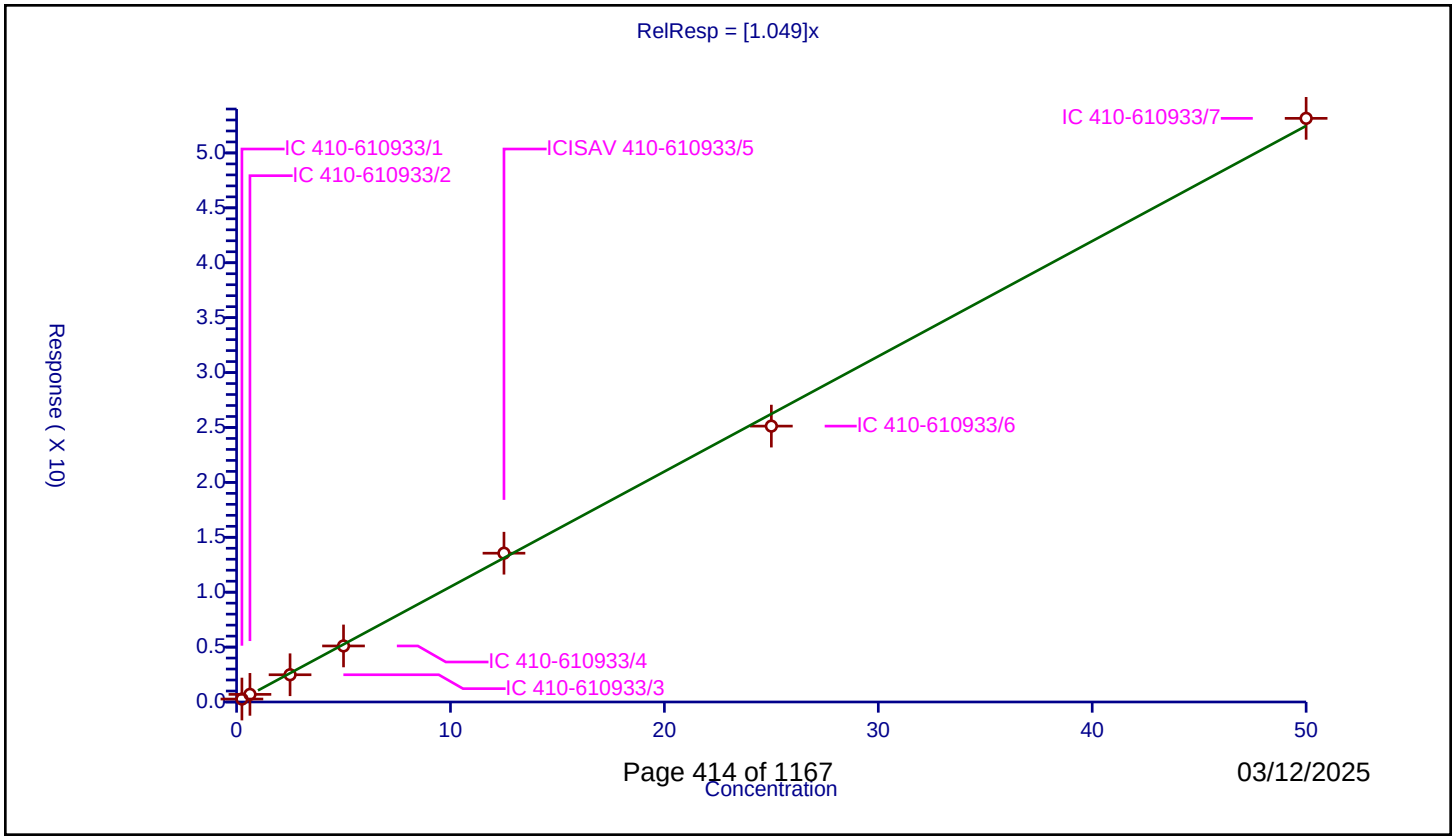
Curve Coefficients

Intercept:	0
Slope:	1.049

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.25	0.267652	2.0	1110710.0	1.070609	Y
2	IC 410-610933/2	0.625	0.693844	2.0	1025914.0	1.11015	Y
3	IC 410-610933/3	2.5	2.480212	2.0	1067667.0	0.992085	Y
4	IC 410-610933/4	5.0	5.102368	2.0	1126956.0	1.020474	Y
5	ICISAV 410-610933/5	12.5	13.548918	2.0	1101604.0	1.083913	Y
6	IC 410-610933/6	25.0	25.122749	2.0	889542.0	1.00491	Y
7	IC 410-610933/7	50.0	53.150086	2.0	920430.0	1.063002	Y



Calibration / Perfluorobutanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

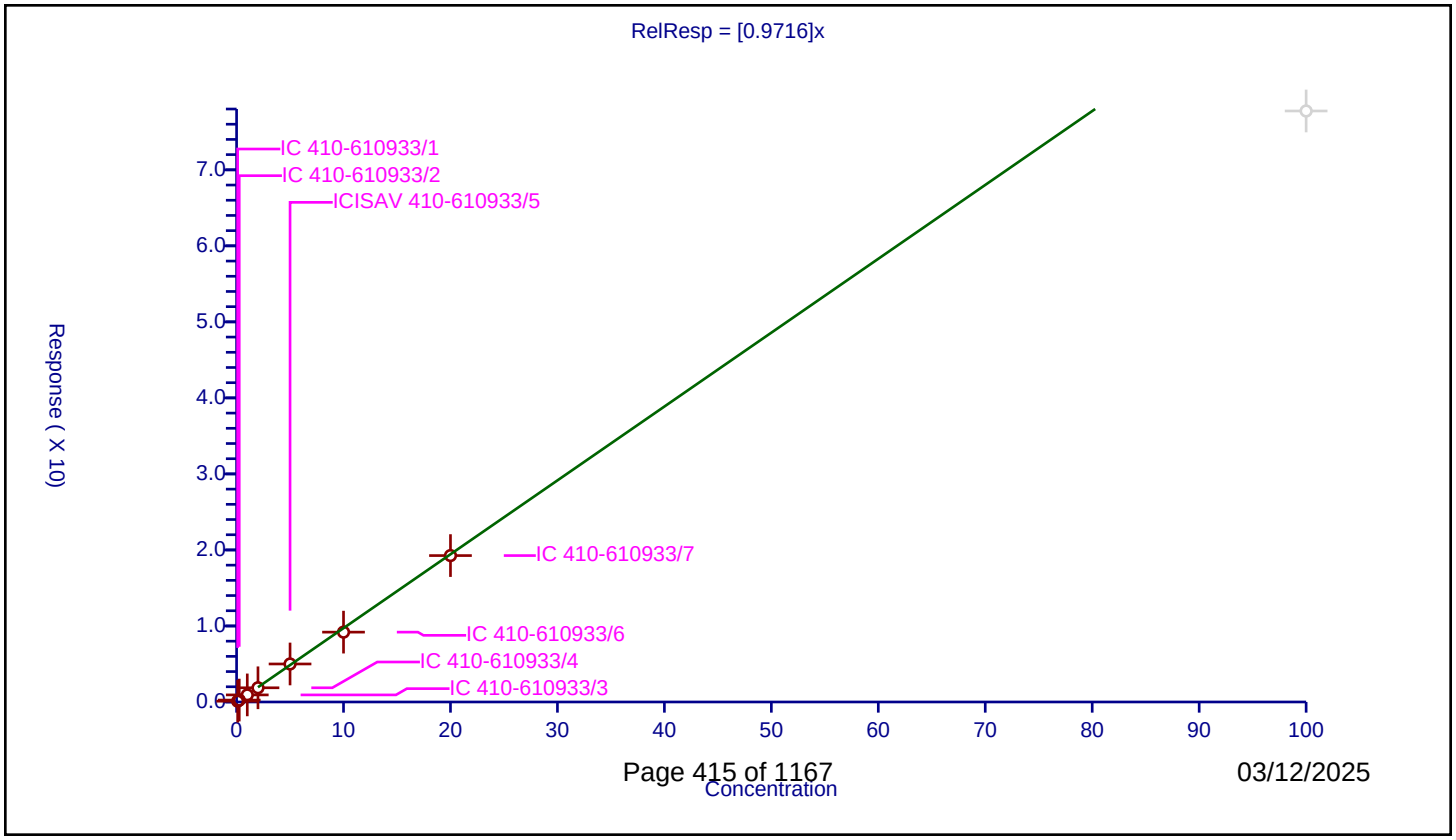
Curve Coefficients

Intercept:	0
Slope:	0.9716

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.1	0.104421	2.0	2543502.0	1.044206	Y
2	IC 410-610933/2	0.25	0.25182	2.0	2532696.0	1.007281	Y
3	IC 410-610933/3	1.0	0.932952	2.0	2398352.0	0.932952	Y
4	IC 410-610933/4	2.0	1.869462	2.0	2496060.0	0.934731	Y
5	ICISAV 410-610933/5	5.0	5.001078	2.0	2513772.0	1.000216	Y
6	IC 410-610933/6	10.0	9.189525	2.0	2307305.0	0.918953	Y
7	IC 410-610933/7	20.0	19.258768	2.0	2316075.0	0.962938	Y
8	IC 410-610933/8	100.0	77.739182	2.0	2022381.0	0.777392	N



Calibration / 3:3 FTCA

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

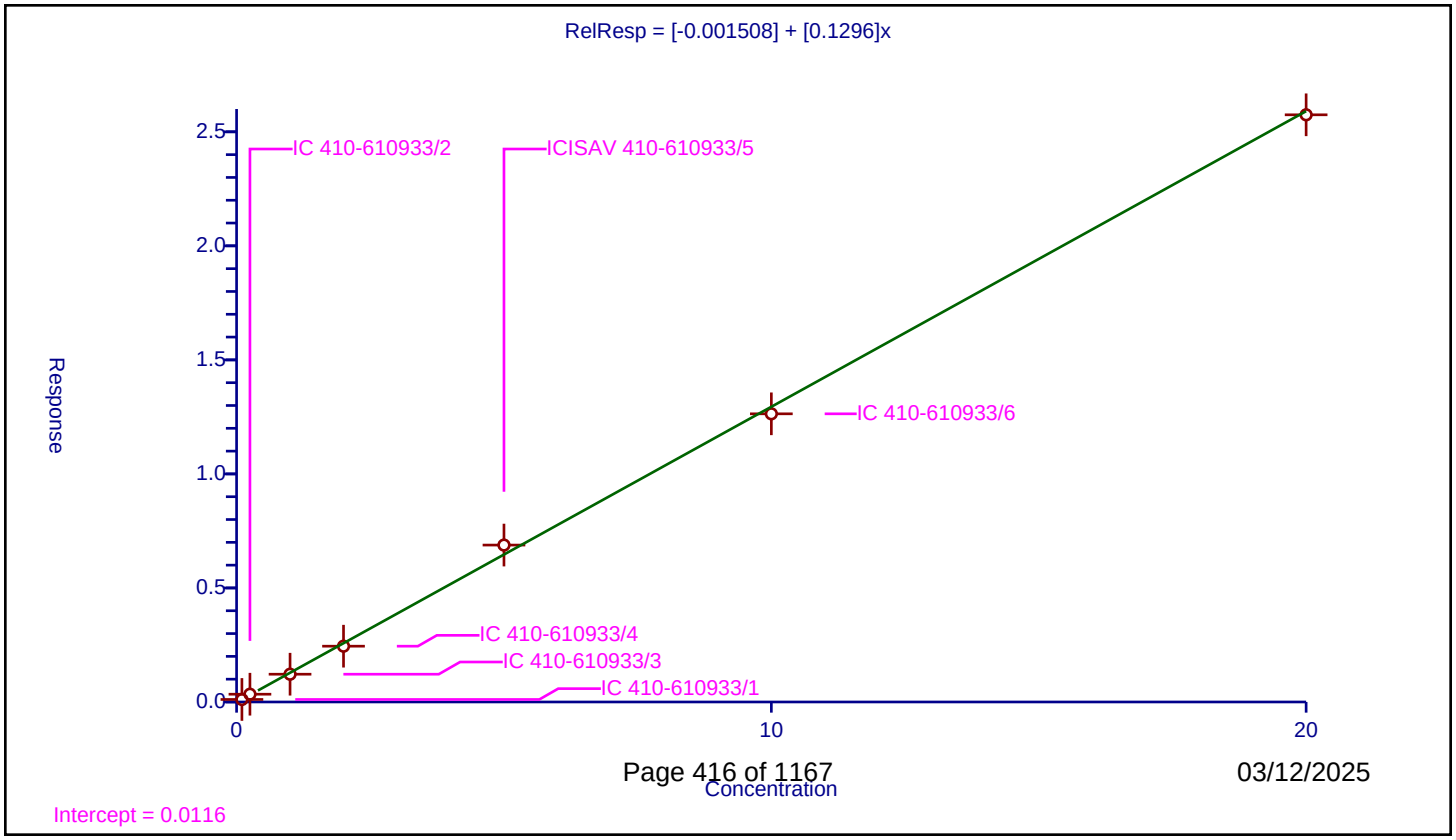
Curve Coefficients

Intercept:	-0.001508
Slope:	0.1296

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.1	0.011029	2.0	1073884.0	0.110291	Y
2	IC 410-610933/2	0.25	0.034046	2.0	1021213.0	0.136183	Y
3	IC 410-610933/3	1.0	0.121774	2.0	975992.0	0.121774	Y
4	IC 410-610933/4	2.0	0.244636	2.0	1036716.0	0.122318	Y
5	ICISAV 410-610933/5	5.0	0.688036	2.0	996954.0	0.137607	Y
6	IC 410-610933/6	10.0	1.263596	2.0	996817.0	0.12636	Y
7	IC 410-610933/7	20.0	2.574572	2.0	989463.0	0.128729	Y



Calibration / Perfluoro-3-methoxypropanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

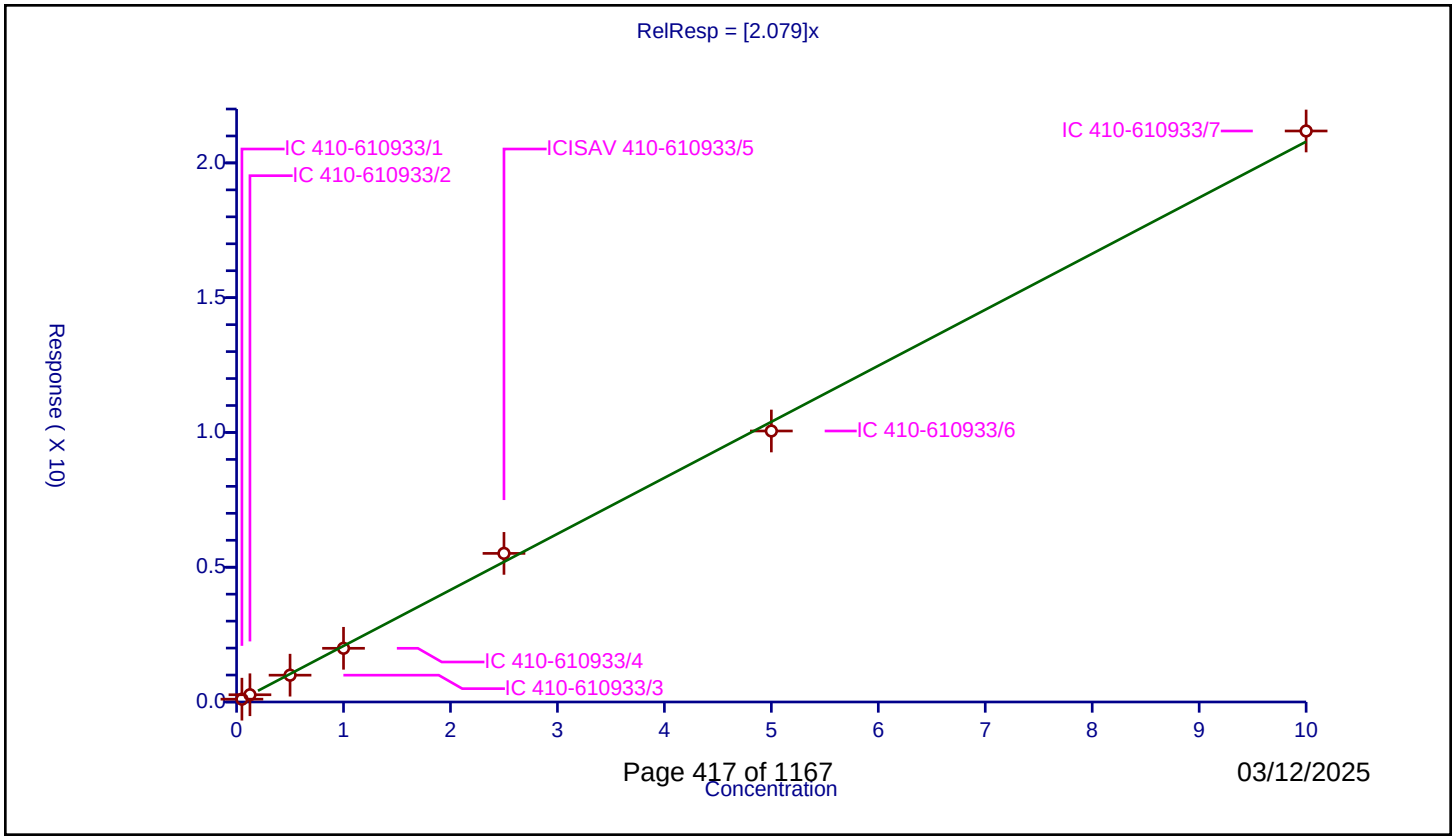
Curve Coefficients

Intercept:	0
Slope:	2.079

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.05	0.104391	2.0	1073884.0	2.087823	Y
2	IC 410-610933/2	0.125	0.268639	2.0	1021213.0	2.149115	Y
3	IC 410-610933/3	0.5	0.994397	2.0	975992.0	1.988795	Y
4	IC 410-610933/4	1.0	1.992517	2.0	1036716.0	1.992517	Y
5	ICISAV 410-610933/5	2.5	5.513059	2.0	996954.0	2.205224	Y
6	IC 410-610933/6	5.0	10.054788	2.0	996817.0	2.010958	Y
7	IC 410-610933/7	10.0	21.184598	2.0	989463.0	2.11846	Y



Calibration / Perfluoropentanoic acid

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

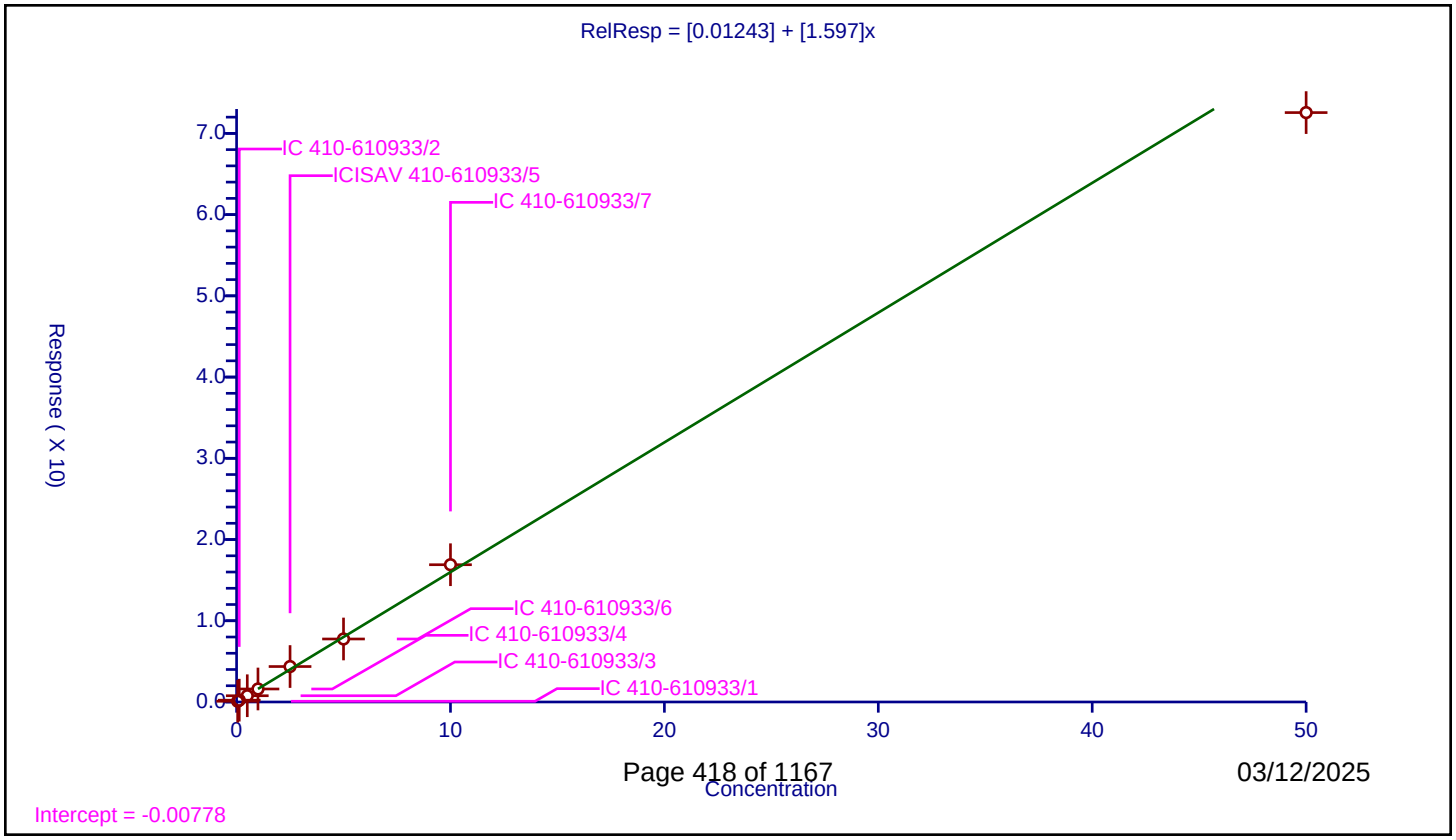
Curve Coefficients

Intercept:	0.01243
Slope:	1.597

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.05	0.091144	2.0	1073884.0	1.822878	Y
2	IC 410-610933/2	0.125	0.221055	2.0	1021213.0	1.768438	Y
3	IC 410-610933/3	0.5	0.771053	2.0	975992.0	1.542107	Y
4	IC 410-610933/4	1.0	1.600649	2.0	1036716.0	1.600649	Y
5	ICISAV 410-610933/5	2.5	4.364125	2.0	996954.0	1.74565	Y
6	IC 410-610933/6	5.0	7.75682	2.0	996817.0	1.551364	Y
7	IC 410-610933/7	10.0	16.898926	2.0	989463.0	1.689893	Y
8	IC 410-610933/8	50.0	72.56149	2.0	885967.0	1.45123	Y



Calibration / Perfluoro(4-methoxybutanoic acid)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

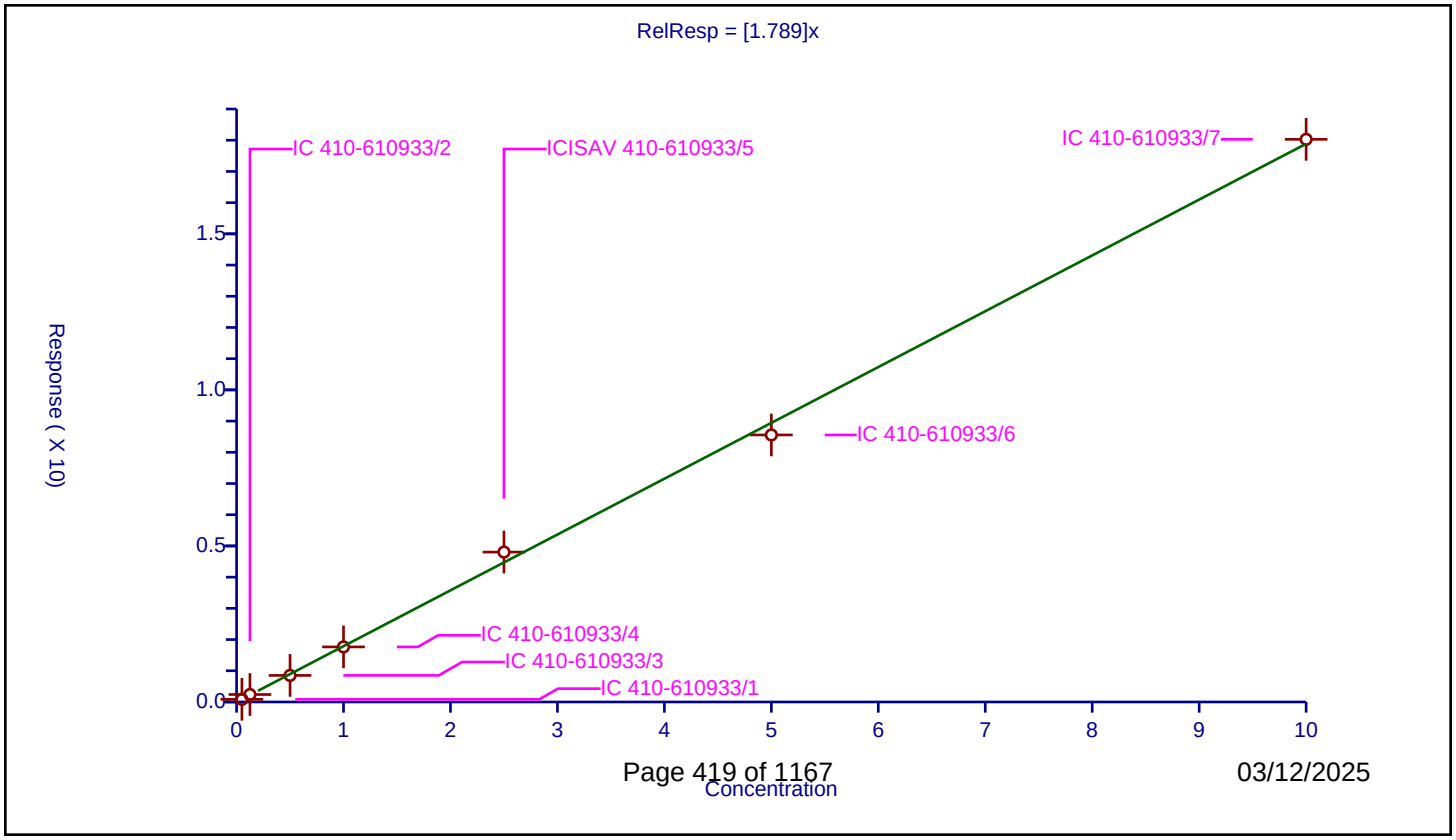
Curve Coefficients

Intercept:	0
Slope:	1.789

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.05	0.085147	2.0	1073884.0	1.70294	Y
2	IC 410-610933/2	0.125	0.239366	2.0	1021213.0	1.914931	Y
3	IC 410-610933/3	0.5	0.851099	2.0	975992.0	1.702198	Y
4	IC 410-610933/4	1.0	1.764636	2.0	1036716.0	1.764636	Y
5	ICISAV 410-610933/5	2.5	4.803313	2.0	996954.0	1.921325	Y
6	IC 410-610933/6	5.0	8.555769	2.0	996817.0	1.711154	Y
7	IC 410-610933/7	10.0	18.028165	2.0	989463.0	1.802816	Y



Calibration / 1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

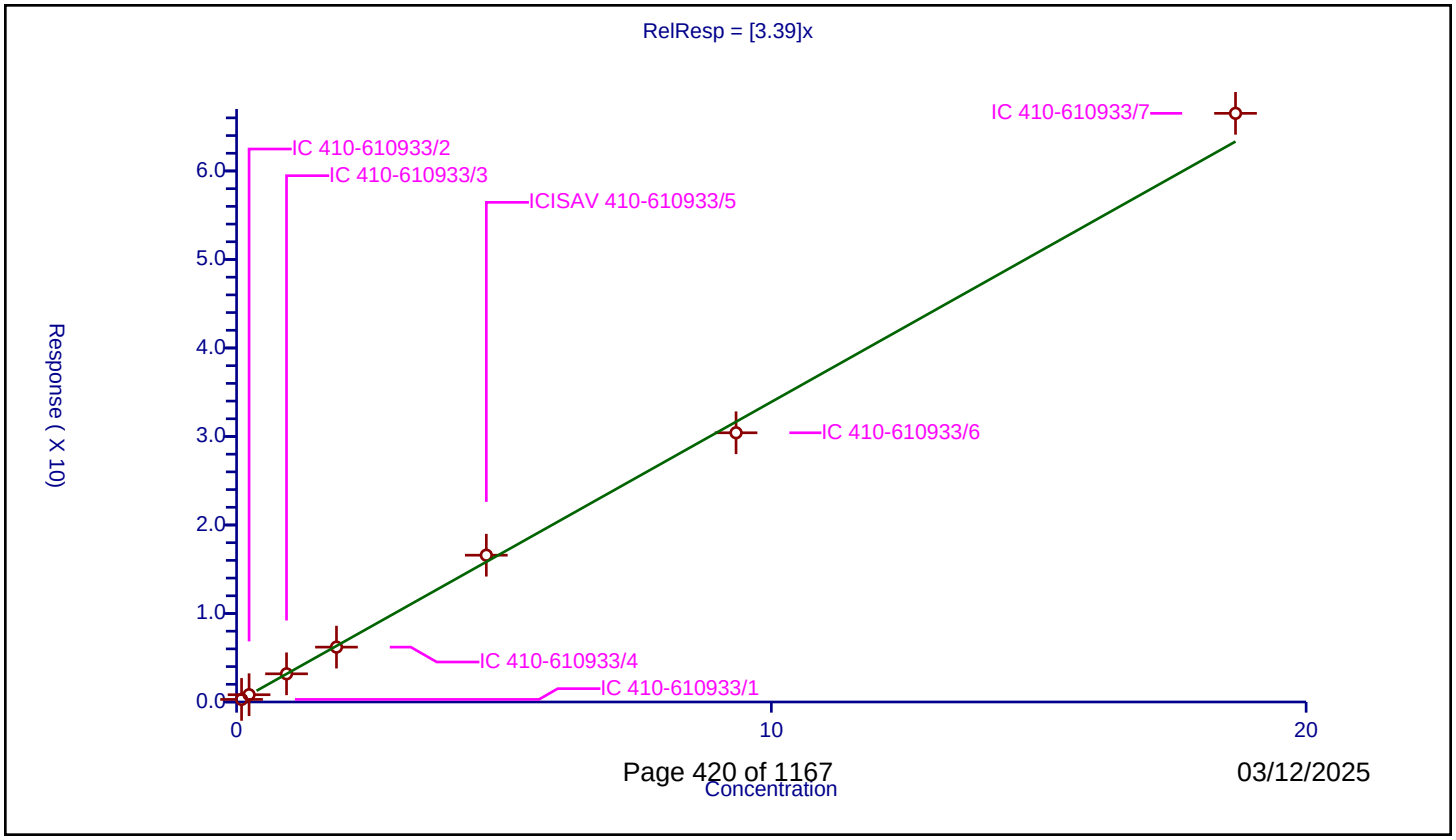
Curve Coefficients

Intercept:	0
Slope:	3.39

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.0934	0.291476	4.69	644747.0	3.120728	Y
2	IC 410-610933/2	0.2335	0.820957	4.69	618438.0	3.515878	Y
3	IC 410-610933/3	0.934	3.181817	4.69	594597.0	3.406657	Y
4	IC 410-610933/4	1.868	6.199002	4.69	576916.0	3.318523	Y
5	ICISAV 410-610933/5	4.67	16.585833	4.69	593453.0	3.55157	Y
6	IC 410-610933/6	9.34	30.419255	4.69	584849.0	3.25688	Y
7	IC 410-610933/7	18.68	66.510379	4.69	549947.0	3.560513	Y



Calibration / Perfluoro-3,6-dioxaheptanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

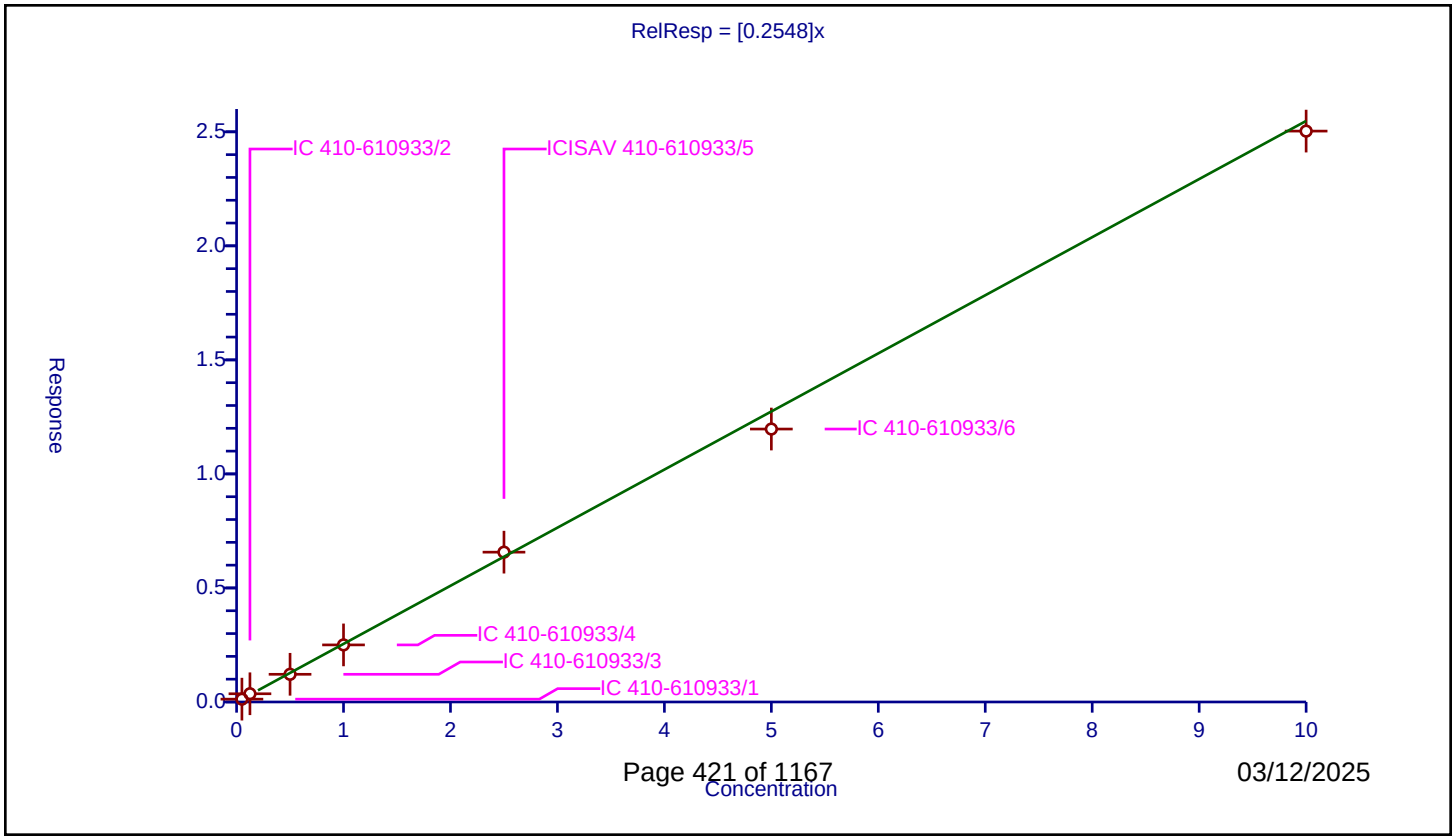
Curve Coefficients

Intercept:	0
Slope:	0.2548

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.05	0.012465	2.0	2155272.0	0.249305	Y
2	IC 410-610933/2	0.125	0.036067	2.0	2093965.0	0.288532	Y
3	IC 410-610933/3	0.5	0.121376	2.0	2086636.0	0.242752	Y
4	IC 410-610933/4	1.0	0.250306	2.0	2182708.0	0.250306	Y
5	ICISAV 410-610933/5	2.5	0.656896	2.0	2085786.0	0.262758	Y
6	IC 410-610933/6	5.0	1.196733	2.0	2119421.0	0.239347	Y
7	IC 410-610933/7	10.0	2.503154	2.0	2084350.0	0.250315	Y



Calibration / Perfluorohexanoic acid

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

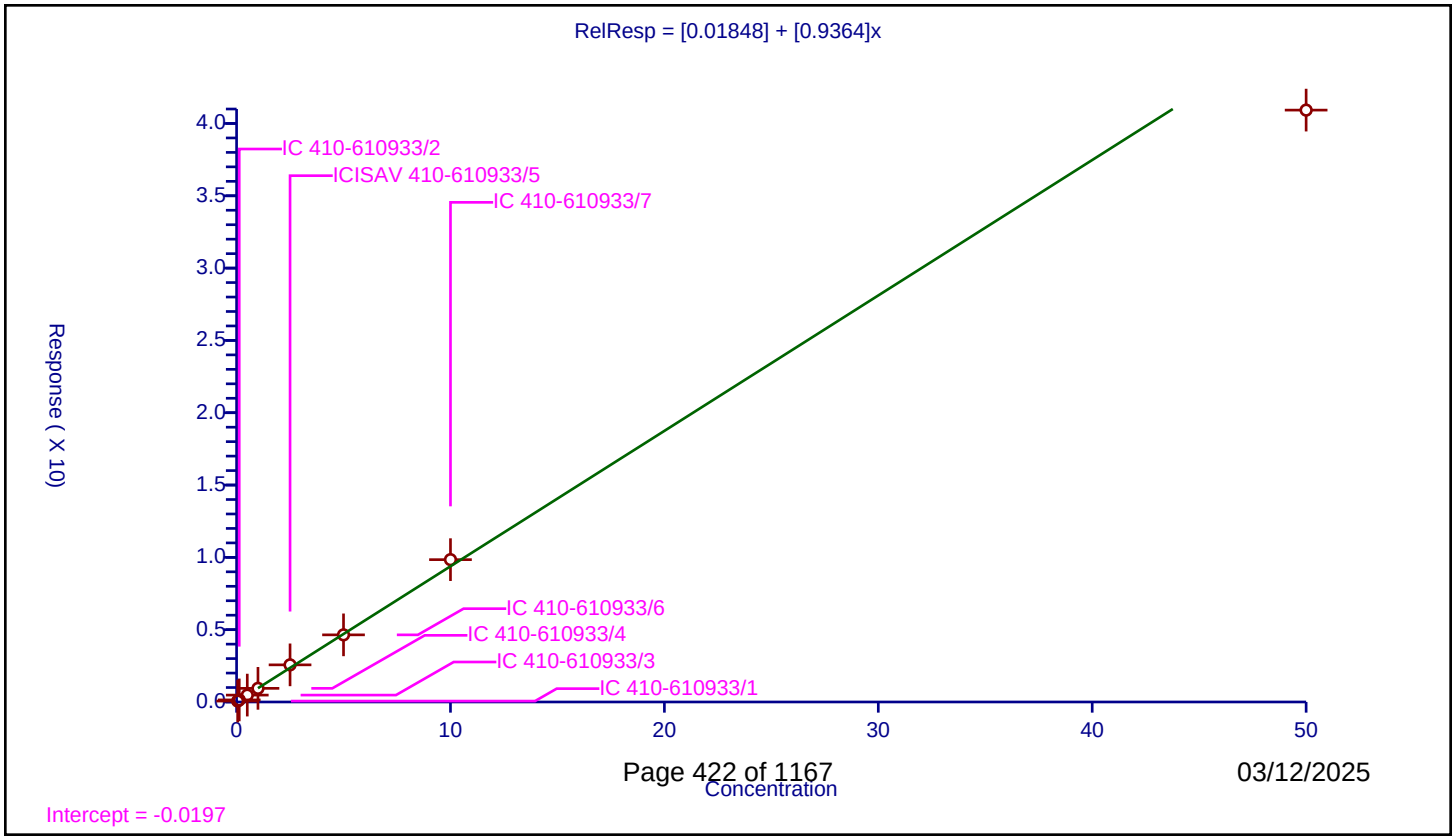
Curve Coefficients

Intercept:	0.01848
Slope:	0.9364

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.05	0.064264	2.0	2155272.0	1.285276	Y
2	IC 410-610933/2	0.125	0.142327	2.0	2093965.0	1.138617	Y
3	IC 410-610933/3	0.5	0.476458	2.0	2086636.0	0.952916	Y
4	IC 410-610933/4	1.0	0.942366	2.0	2182708.0	0.942366	Y
5	ICISAV 410-610933/5	2.5	2.567466	2.0	2085786.0	1.026986	Y
6	IC 410-610933/6	5.0	4.641422	2.0	2119421.0	0.928284	Y
7	IC 410-610933/7	10.0	9.841846	2.0	2084350.0	0.984185	Y
8	IC 410-610933/8	50.0	40.924439	2.0	1860387.0	0.818489	Y



Calibration / 5:3 FTCA

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

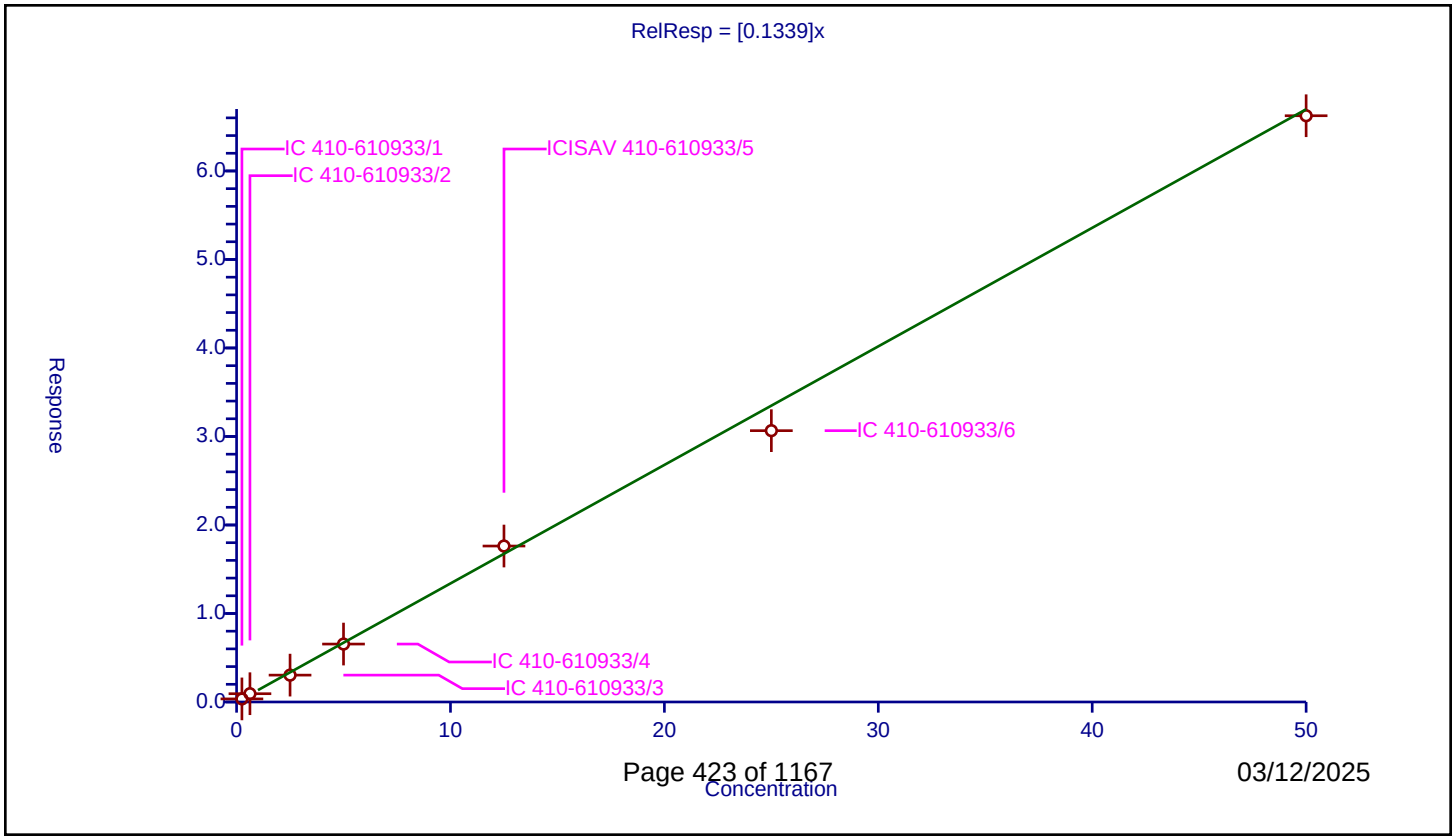
Curve Coefficients

Intercept:	0
Slope:	0.1339

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.25	0.034912	2.0	2155272.0	0.139646	Y
2	IC 410-610933/2	0.625	0.093449	2.0	2093965.0	0.149518	Y
3	IC 410-610933/3	2.5	0.303449	2.0	2086636.0	0.12138	Y
4	IC 410-610933/4	5.0	0.654535	2.0	2182708.0	0.130907	Y
5	ICISAV 410-610933/5	12.5	1.762062	2.0	2085786.0	0.140965	Y
6	IC 410-610933/6	25.0	3.065688	2.0	2119421.0	0.122628	Y
7	IC 410-610933/7	50.0	6.624016	2.0	2084350.0	0.13248	Y



Calibration / Perfluorobutanesulfonic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

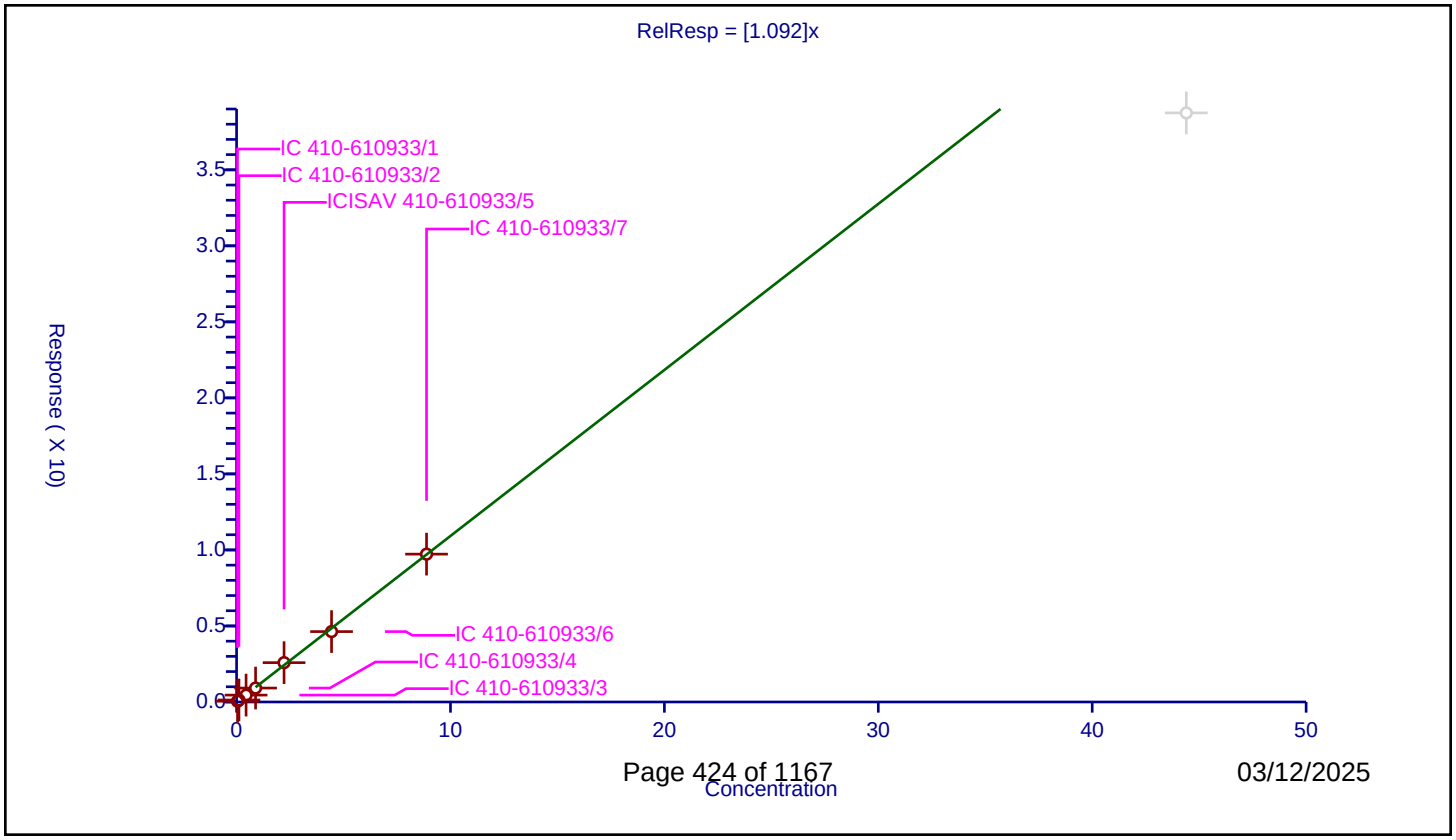
Curve Coefficients

Intercept:	0
Slope:	1.092

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.0444	0.049294	1.864	2930225.0	1.110231	Y
2	IC 410-610933/2	0.111	0.130414	1.864	3015581.0	1.174901	Y
3	IC 410-610933/3	0.444	0.454128	1.864	2880176.0	1.022811	Y
4	IC 410-610933/4	0.888	0.916687	1.864	2917755.0	1.032305	Y
5	ICISAV 410-610933/5	2.22	2.587957	1.864	2852865.0	1.165747	Y
6	IC 410-610933/6	4.44	4.629165	1.864	2869612.0	1.042605	Y
7	IC 410-610933/7	8.88	9.724013	1.864	2874406.0	1.095047	Y
8	IC 410-610933/8	44.4	38.743849	1.864	2565603.0	0.872609	N



Calibration / Perfluoro(2-propoxypropanoic) acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

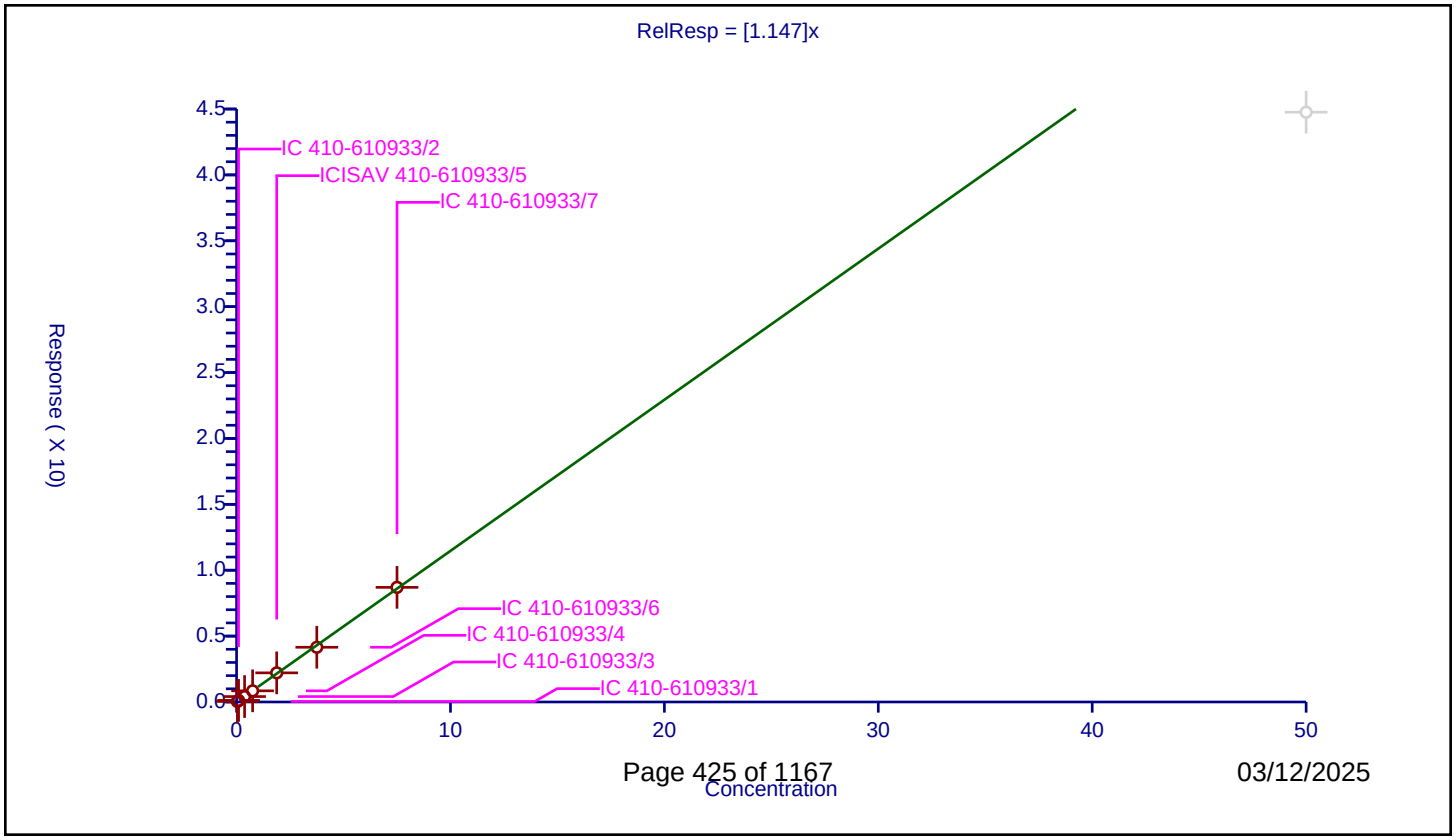
Curve Coefficients

Intercept:	0
Slope:	1.147

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.0375	0.039282	2.0	1409659.0	1.047516	Y
2	IC 410-610933/2	0.09375	0.122335	2.0	1378641.0	1.304906	Y
3	IC 410-610933/3	0.375	0.412331	2.0	1273905.0	1.099548	Y
4	IC 410-610933/4	0.75	0.84627	2.0	1353362.0	1.12836	Y
5	ICISAV 410-610933/5	1.875	2.21129	2.0	1336674.0	1.179355	Y
6	IC 410-610933/6	3.75	4.154037	2.0	1329981.0	1.107743	Y
7	IC 410-610933/7	7.5	8.698969	2.0	1329058.0	1.159862	Y
8	IC 410-610933/8	50.0	44.759238	2.0	1314787.0	0.895185	N



Calibration / Perfluoro (2-ethoxyethane) sulfonic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

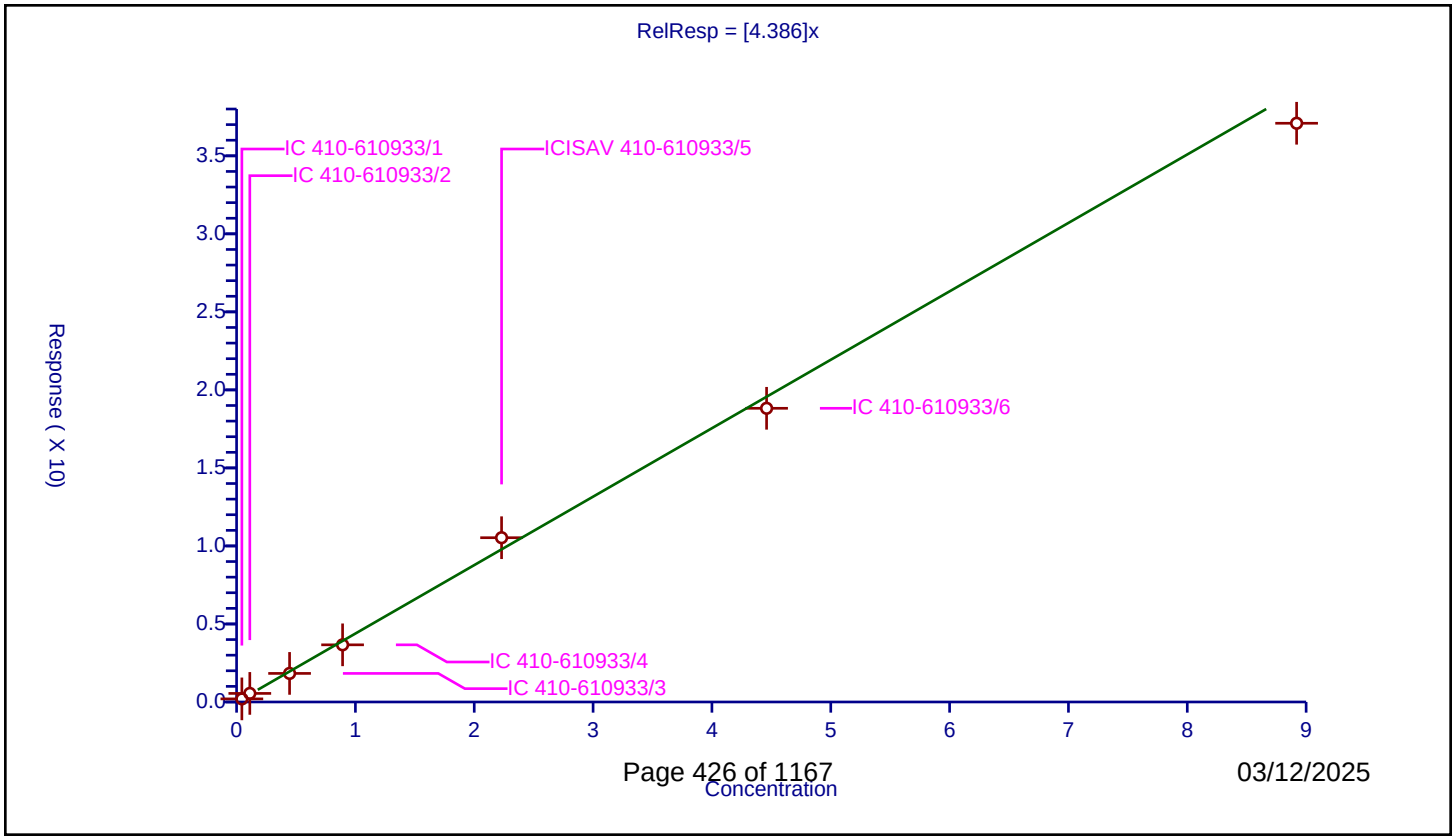
Curve Coefficients

Intercept:	0
Slope:	4.386

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.0446	0.199089	2.0	2155272.0	4.463869	Y
2	IC 410-610933/2	0.1115	0.549151	2.0	2093965.0	4.925117	Y
3	IC 410-610933/3	0.446	1.831347	2.0	2086636.0	4.106159	Y
4	IC 410-610933/4	0.892	3.663678	2.0	2182708.0	4.107263	Y
5	ICISAV 410-610933/5	2.23	10.527162	2.0	2085786.0	4.720701	Y
6	IC 410-610933/6	4.46	18.821551	2.0	2119421.0	4.220079	Y
7	IC 410-610933/7	8.92	37.088173	2.0	2084350.0	4.157867	Y



Calibration / Perfluoroheptanoic acid

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

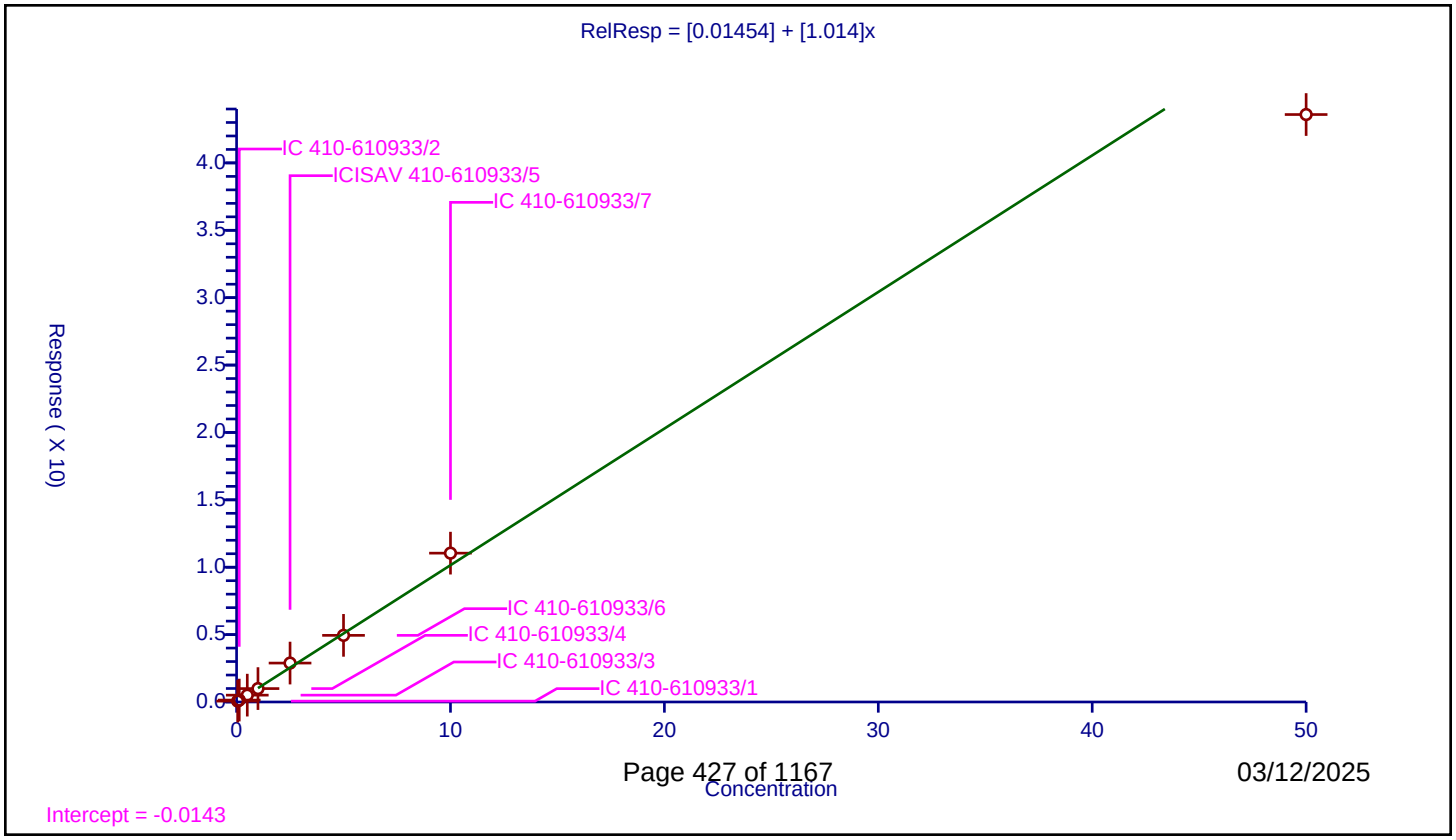
Curve Coefficients

Intercept:	0.01454
Slope:	1.014

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.05	0.065122	2.0	2622630.0	1.302448	Y
2	IC 410-610933/2	0.125	0.142422	2.0	2685433.0	1.13938	Y
3	IC 410-610933/3	0.5	0.507239	2.0	2465714.0	1.014478	Y
4	IC 410-610933/4	1.0	0.993693	2.0	2674976.0	0.993693	Y
5	ICISAV 410-610933/5	2.5	2.887193	2.0	2639038.0	1.154877	Y
6	IC 410-610933/6	5.0	4.944136	2.0	2633778.0	0.988827	Y
7	IC 410-610933/7	10.0	11.044618	2.0	2475976.0	1.104462	Y
8	IC 410-610933/8	50.0	43.589955	2.0	2212438.0	0.871799	Y



Calibration / DONA

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

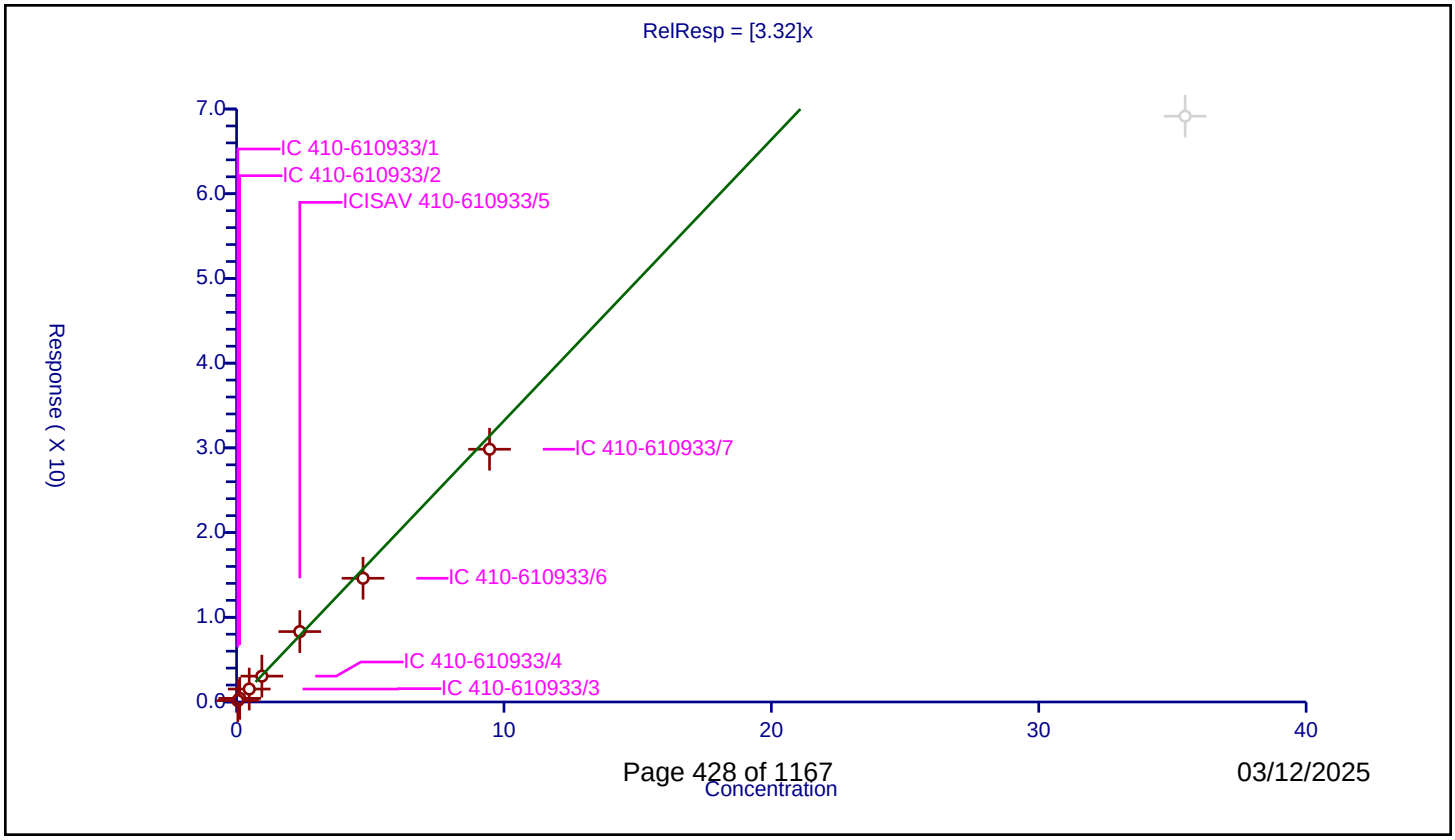
Curve Coefficients

Intercept:	0
Slope:	3.32

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.0473	0.161354	2.0	1409659.0	3.411288	Y
2	IC 410-610933/2	0.11825	0.427212	2.0	1378641.0	3.612787	Y
3	IC 410-610933/3	0.473	1.528017	2.0	1273905.0	3.230479	Y
4	IC 410-610933/4	0.946	3.052064	2.0	1353362.0	3.226284	Y
5	ICISAV 410-610933/5	2.365	8.310807	2.0	1336674.0	3.514083	Y
6	IC 410-610933/6	4.73	14.60532	2.0	1329981.0	3.087805	Y
7	IC 410-610933/7	9.46	29.836842	2.0	1329058.0	3.154	Y
8	IC 410-610933/8	35.475	69.151928	2.0	1314787.0	1.949314	N



Calibration / Perfluoropentanesulfonic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

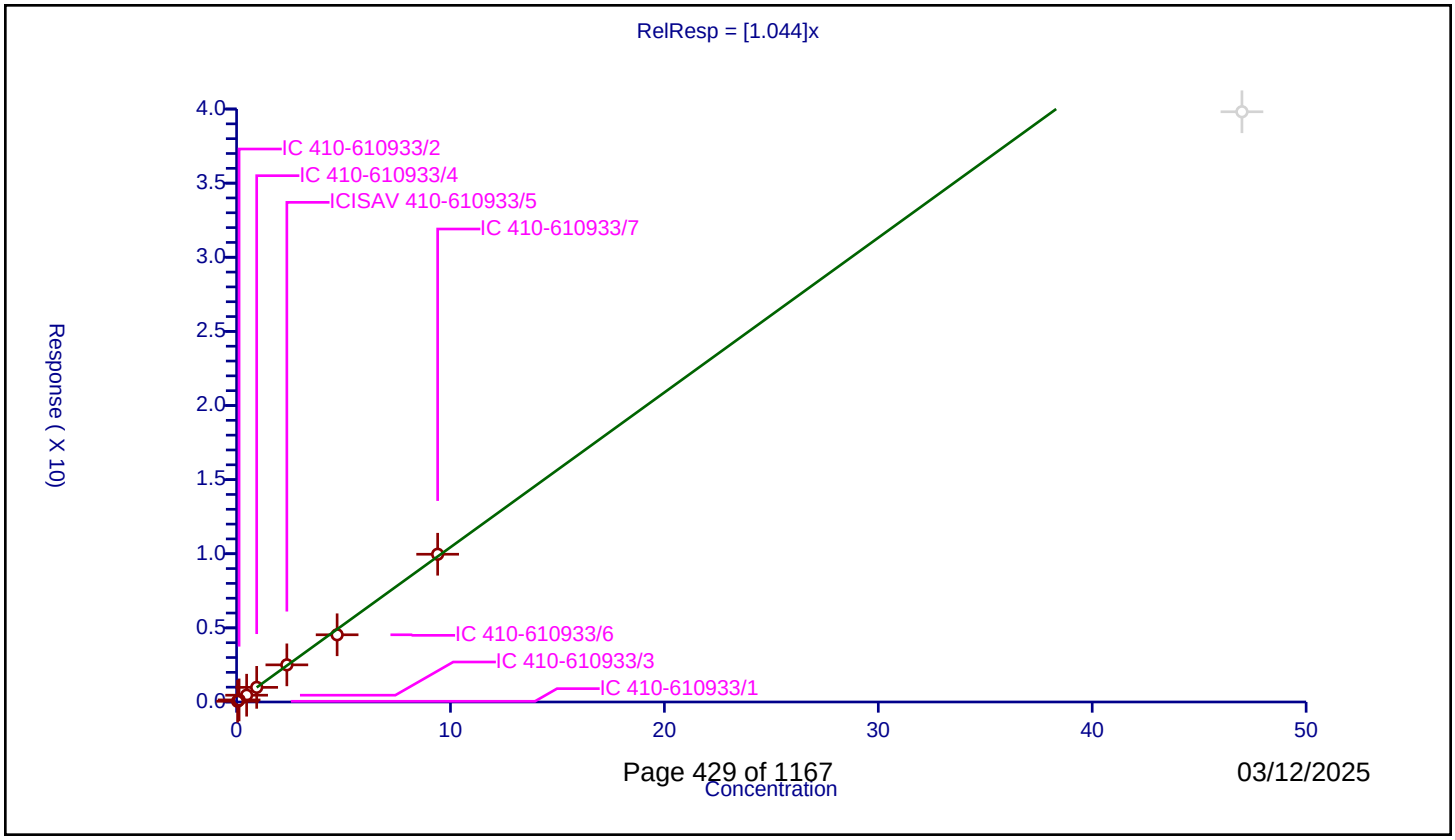
Curve Coefficients

Intercept:	0
Slope:	1.044

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.047	0.047337	1.896	2800615.0	1.00718	Y
2	IC 410-610933/2	0.1175	0.139204	1.896	2667921.0	1.184713	Y
3	IC 410-610933/3	0.47	0.458324	1.896	2611685.0	0.975157	Y
4	IC 410-610933/4	0.94	0.98706	1.896	2598681.0	1.050063	Y
5	ICISAV 410-610933/5	2.35	2.504376	1.896	2817363.0	1.065692	Y
6	IC 410-610933/6	4.7	4.533783	1.896	2707423.0	0.964635	Y
7	IC 410-610933/7	9.4	9.966553	1.896	2600879.0	1.060272	Y
8	IC 410-610933/8	47.0	39.815134	1.896	2295663.0	0.847131	N



Calibration / 1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

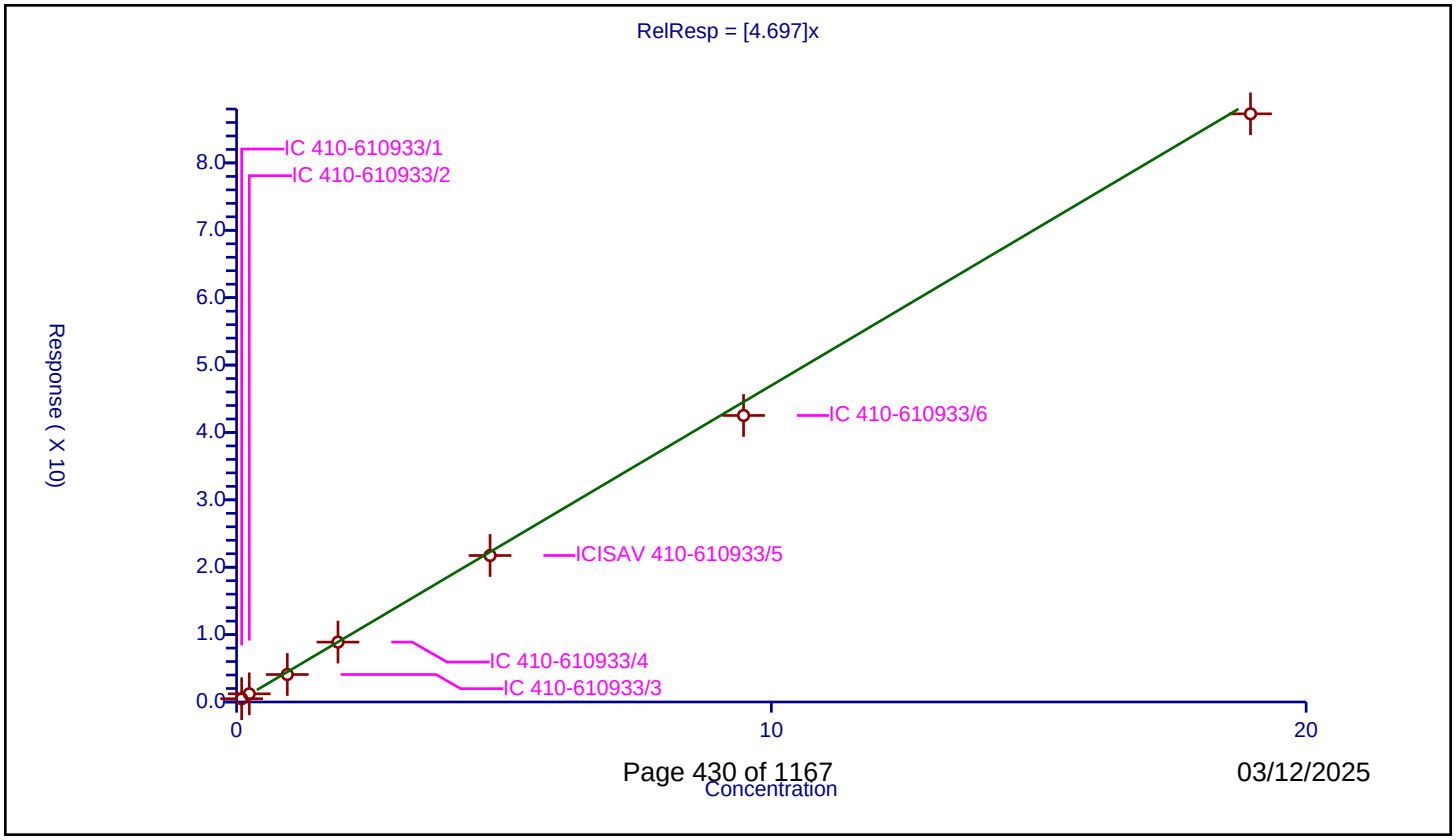
Curve Coefficients

Intercept:	0
Slope:	4.697

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.0948	0.482934	4.76	429129.0	5.094238	Y
2	IC 410-610933/2	0.237	1.214431	4.76	439152.0	5.124183	Y
3	IC 410-610933/3	0.948	4.076906	4.76	420920.0	4.300534	Y
4	IC 410-610933/4	1.896	8.884912	4.76	433977.0	4.686135	Y
5	ICISAV 410-610933/5	4.74	21.741826	4.76	451010.0	4.586883	Y
6	IC 410-610933/6	9.48	42.519793	4.76	405423.0	4.48521	Y
7	IC 410-610933/7	18.96	87.285559	4.76	381720.0	4.603669	Y



Calibration / FBSA

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

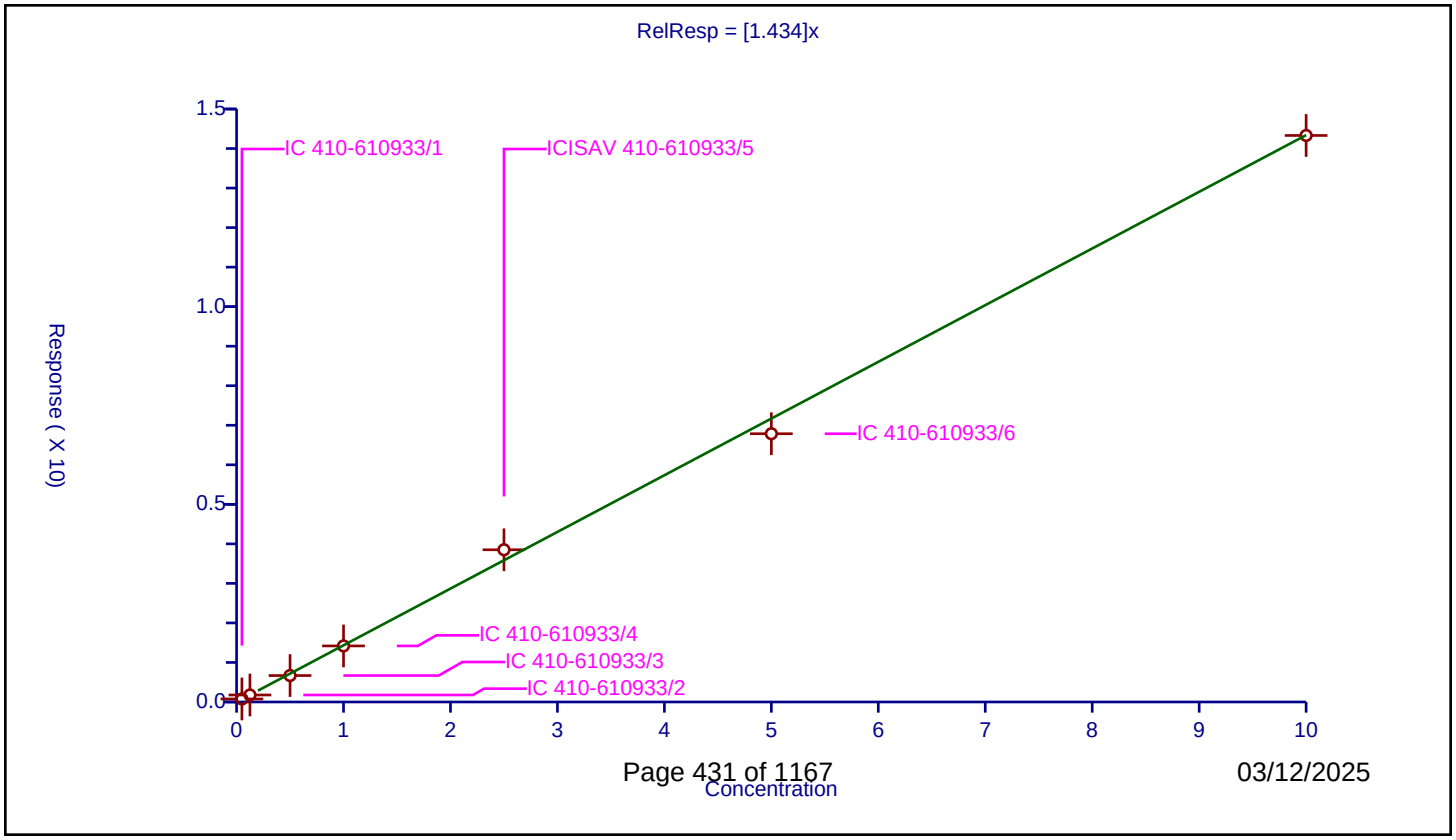
Curve Coefficients

Intercept:	0
Slope:	1.434

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.05	0.076679	1.864	2930225.0	1.533579	Y
2	IC 410-610933/2	0.125	0.177137	1.864	3015581.0	1.417094	Y
3	IC 410-610933/3	0.5	0.669126	1.864	2880176.0	1.338252	Y
4	IC 410-610933/4	1.0	1.418056	1.864	2917755.0	1.418056	Y
5	ICISAV 410-610933/5	2.5	3.850625	1.864	2852865.0	1.54025	Y
6	IC 410-610933/6	5.0	6.786109	1.864	2869612.0	1.357222	Y
7	IC 410-610933/7	10.0	14.330993	1.864	2874406.0	1.433099	Y



Calibration / bis(trifluoromethane)sulfonimide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

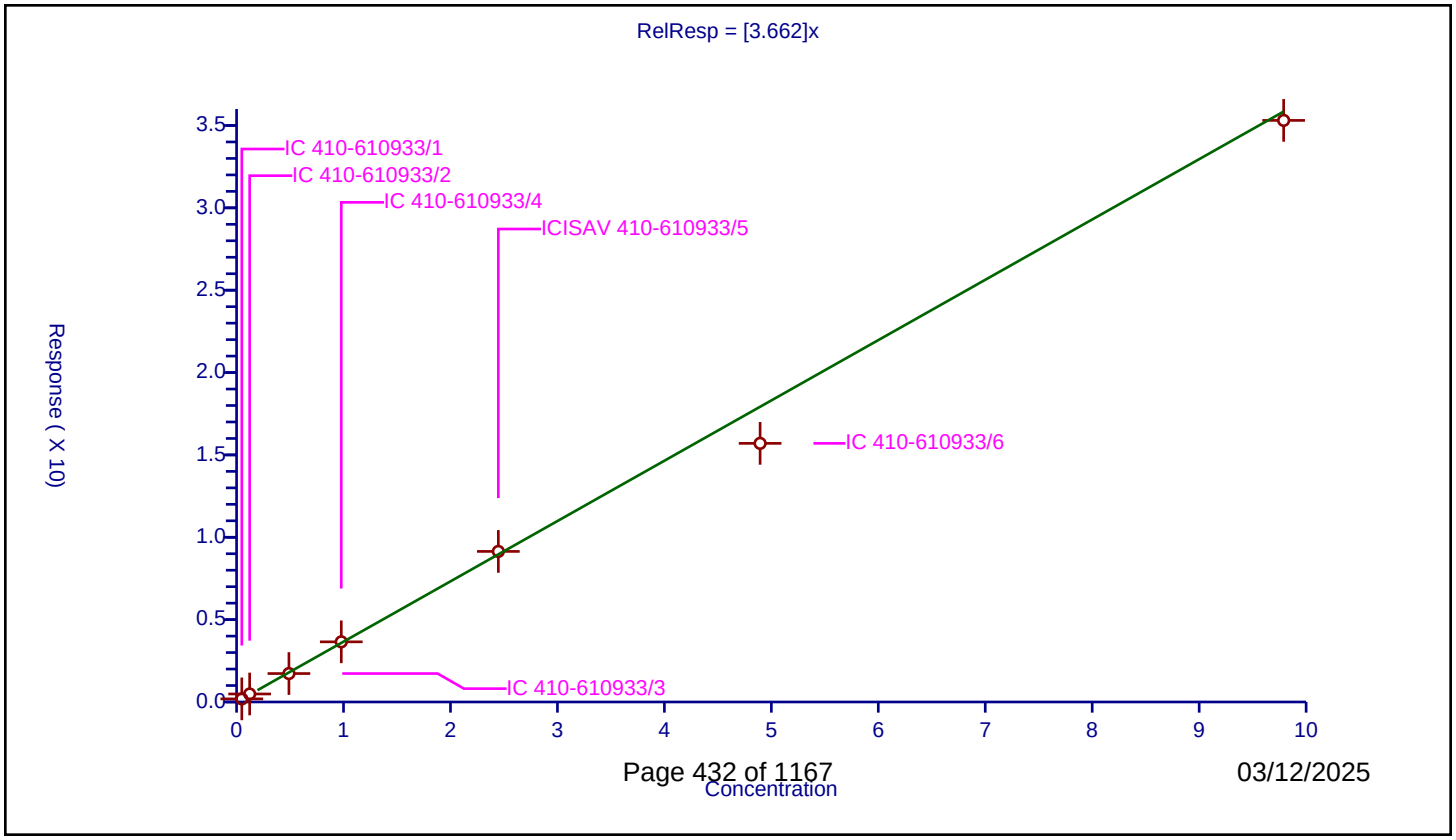
Curve Coefficients

Intercept:	0
Slope:	3.662

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.04895	0.188607	1.896	2800615.0	3.853058	Y
2	IC 410-610933/2	0.122375	0.485923	1.896	2667921.0	3.970767	Y
3	IC 410-610933/3	0.4895	1.727122	1.896	2611685.0	3.52834	Y
4	IC 410-610933/4	0.979	3.651501	1.896	2598681.0	3.729827	Y
5	ICISAV 410-610933/5	2.4475	9.140774	1.896	2817363.0	3.734739	Y
6	IC 410-610933/6	4.895	15.701355	1.896	2707423.0	3.207631	Y
7	IC 410-610933/7	9.79	35.308027	1.896	2600879.0	3.60654	Y



Calibration / Perfluorooctanoic acid

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

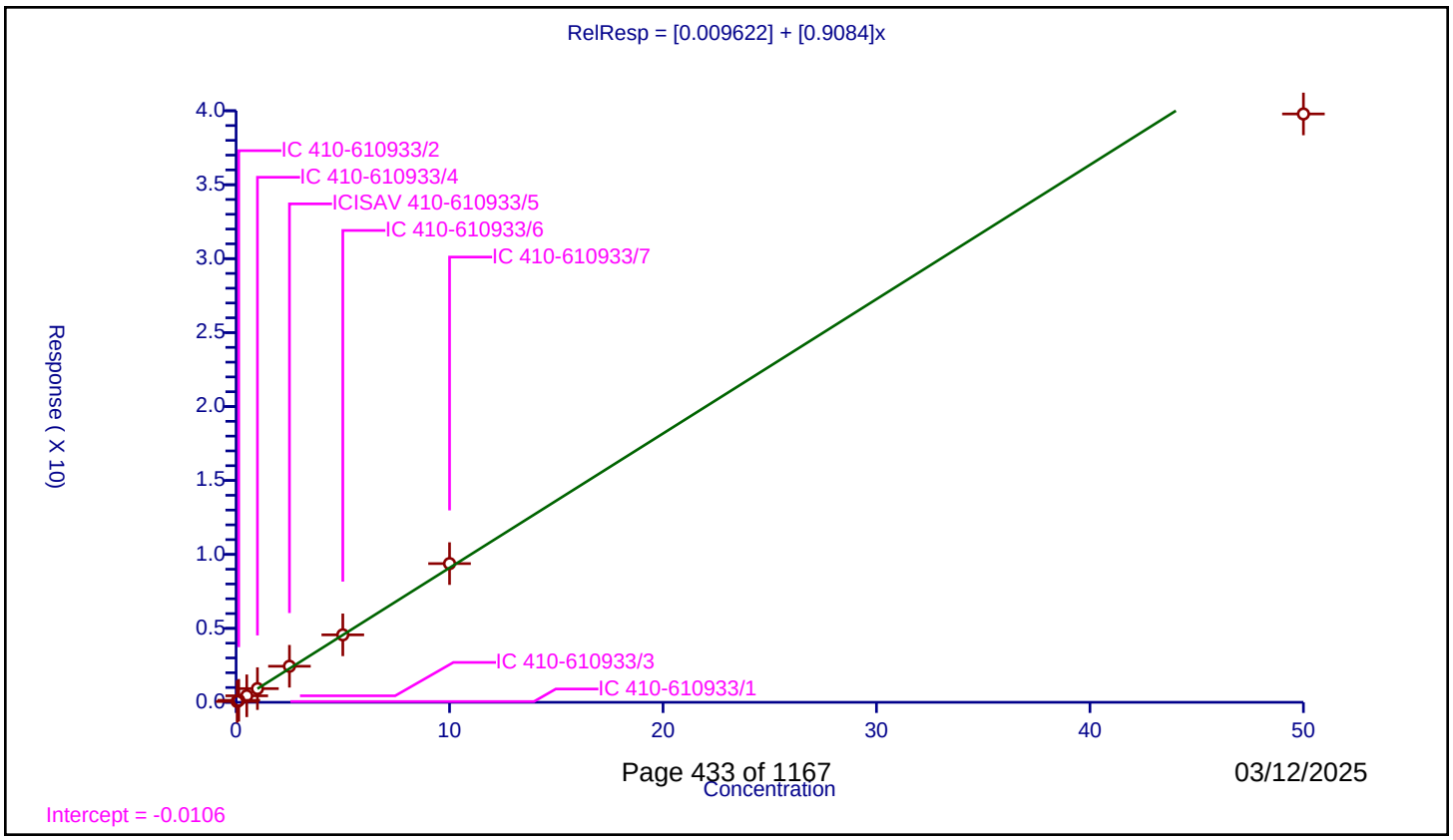
Curve Coefficients

Intercept:	0.009622
Slope:	0.9084

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.05	0.053349	2.0	2606312.0	1.066979	Y
2	IC 410-610933/2	0.125	0.134663	2.0	2528701.0	1.077303	Y
3	IC 410-610933/3	0.5	0.440473	2.0	2581437.0	0.880947	Y
4	IC 410-610933/4	1.0	0.925219	2.0	2511638.0	0.925219	Y
5	ICISAV 410-610933/5	2.5	2.438222	2.0	2492213.0	0.975289	Y
6	IC 410-610933/6	5.0	4.562831	2.0	2494317.0	0.912566	Y
7	IC 410-610933/7	10.0	9.380163	2.0	2480981.0	0.938016	Y
8	IC 410-610933/8	50.0	39.784658	2.0	2309772.0	0.795693	Y



Calibration / 7:3 FTCA

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

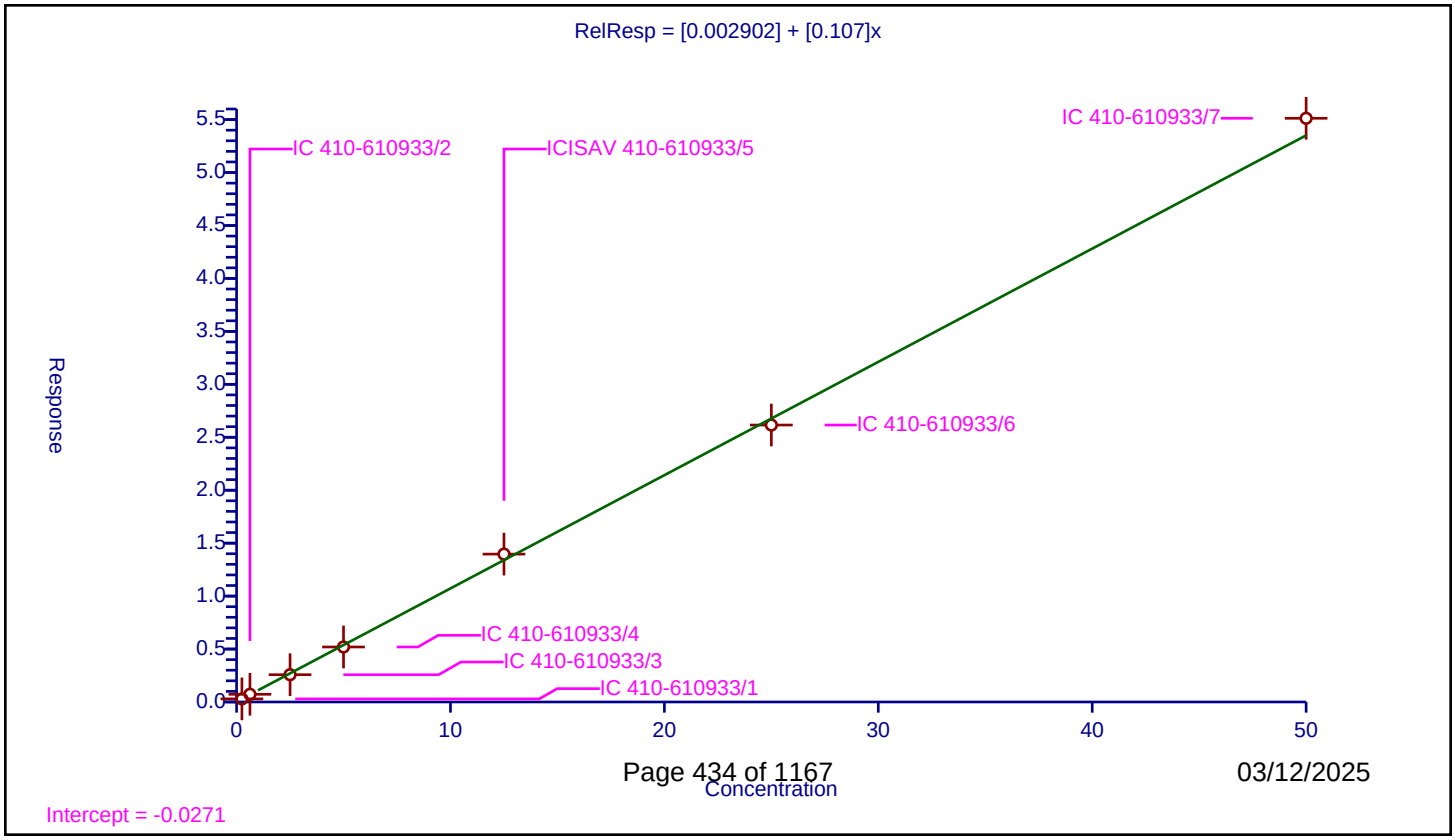
Curve Coefficients

Intercept:	0.002902
Slope:	0.107

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.25	0.029336	2.0	2155272.0	0.117346	Y
2	IC 410-610933/2	0.625	0.0726	2.0	2093965.0	0.11616	Y
3	IC 410-610933/3	2.5	0.257846	2.0	2086636.0	0.103138	Y
4	IC 410-610933/4	5.0	0.519457	2.0	2182708.0	0.103891	Y
5	ICISAV 410-610933/5	12.5	1.396473	2.0	2085786.0	0.111718	Y
6	IC 410-610933/6	25.0	2.615461	2.0	2119421.0	0.104618	Y
7	IC 410-610933/7	50.0	5.512449	2.0	2084350.0	0.110249	Y



Calibration / Perfluorohexanesulfonic acid

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

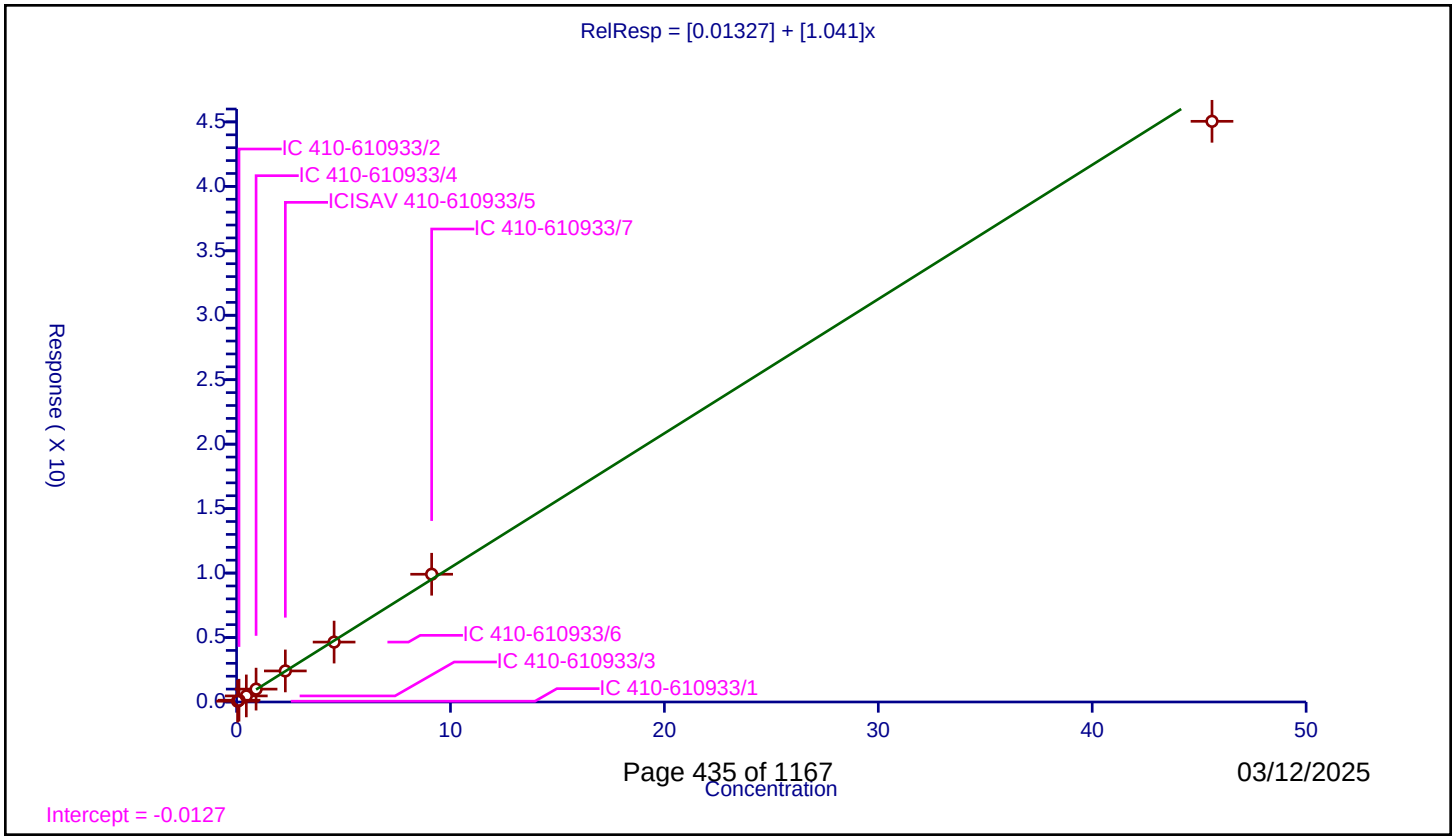
Curve Coefficients

Intercept:	0.01327
Slope:	1.041

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.0456	0.060114	1.896	2800615.0	1.318298	Y
2	IC 410-610933/2	0.114	0.13653	1.896	2667921.0	1.197634	Y
3	IC 410-610933/3	0.456	0.470845	1.896	2611685.0	1.032554	Y
4	IC 410-610933/4	0.912	0.99784	1.896	2598681.0	1.094123	Y
5	ICISAV 410-610933/5	2.28	2.408205	1.896	2817363.0	1.05623	Y
6	IC 410-610933/6	4.56	4.647376	1.896	2707423.0	1.019161	Y
7	IC 410-610933/7	9.12	9.910005	1.896	2600879.0	1.086623	Y
8	IC 410-610933/8	45.6	45.046051	1.896	2295663.0	0.987852	Y



Calibration / Perfluorononanoic acid

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

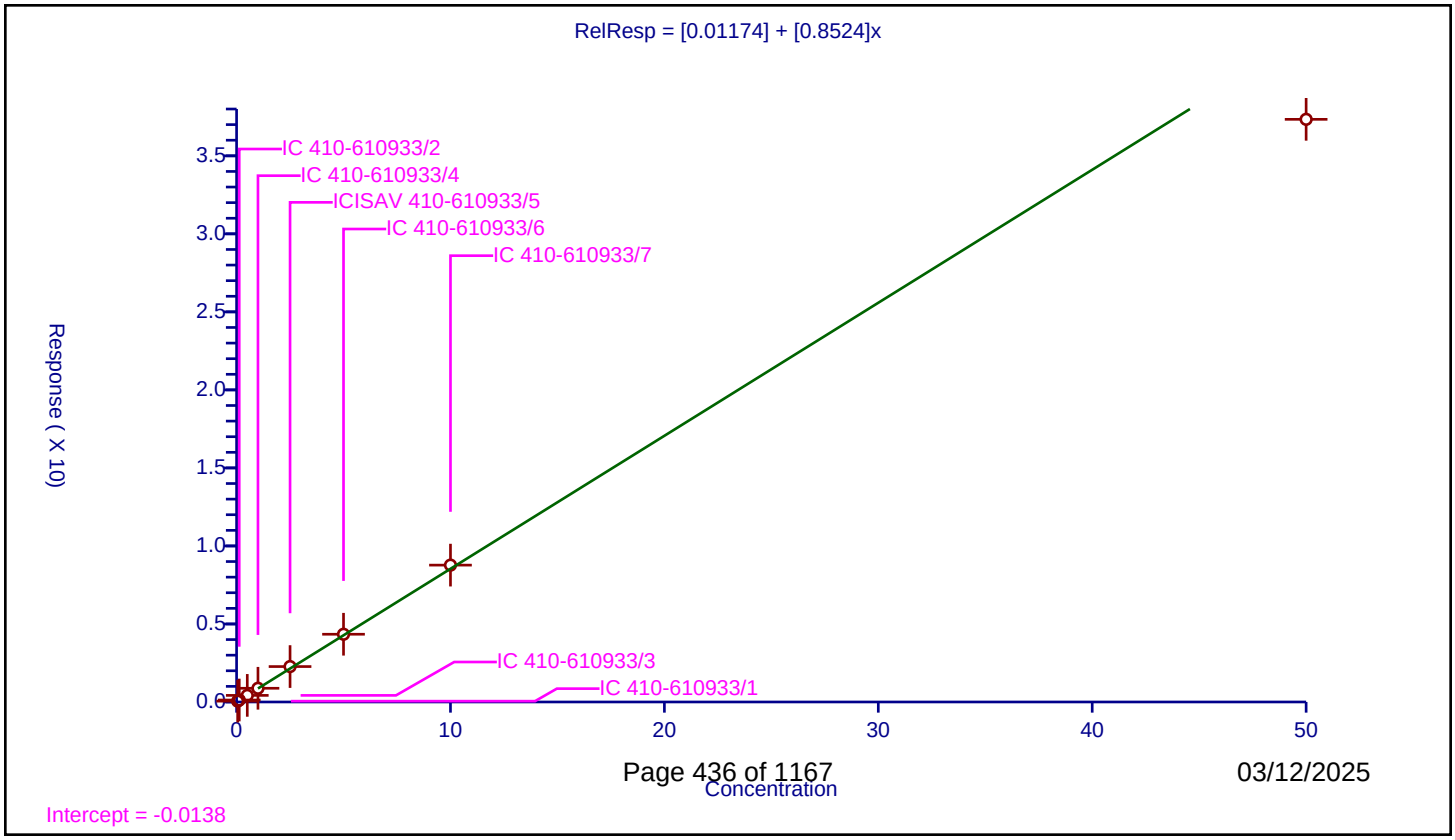
Curve Coefficients

Intercept:	0.01174
Slope:	0.8524

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.05	0.053358	2.0	2631223.0	1.067154	Y
2	IC 410-610933/2	0.125	0.124882	2.0	2665619.0	0.999057	Y
3	IC 410-610933/3	0.5	0.422842	2.0	2474834.0	0.845684	Y
4	IC 410-610933/4	1.0	0.879051	2.0	2568268.0	0.879051	Y
5	ICISAV 410-610933/5	2.5	2.27076	2.0	2676483.0	0.908304	Y
6	IC 410-610933/6	5.0	4.341086	2.0	2562426.0	0.868217	Y
7	IC 410-610933/7	10.0	8.770324	2.0	2593121.0	0.877032	Y
8	IC 410-610933/8	50.0	37.339013	2.0	2333398.0	0.74678	Y



Calibration / FHxSA

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

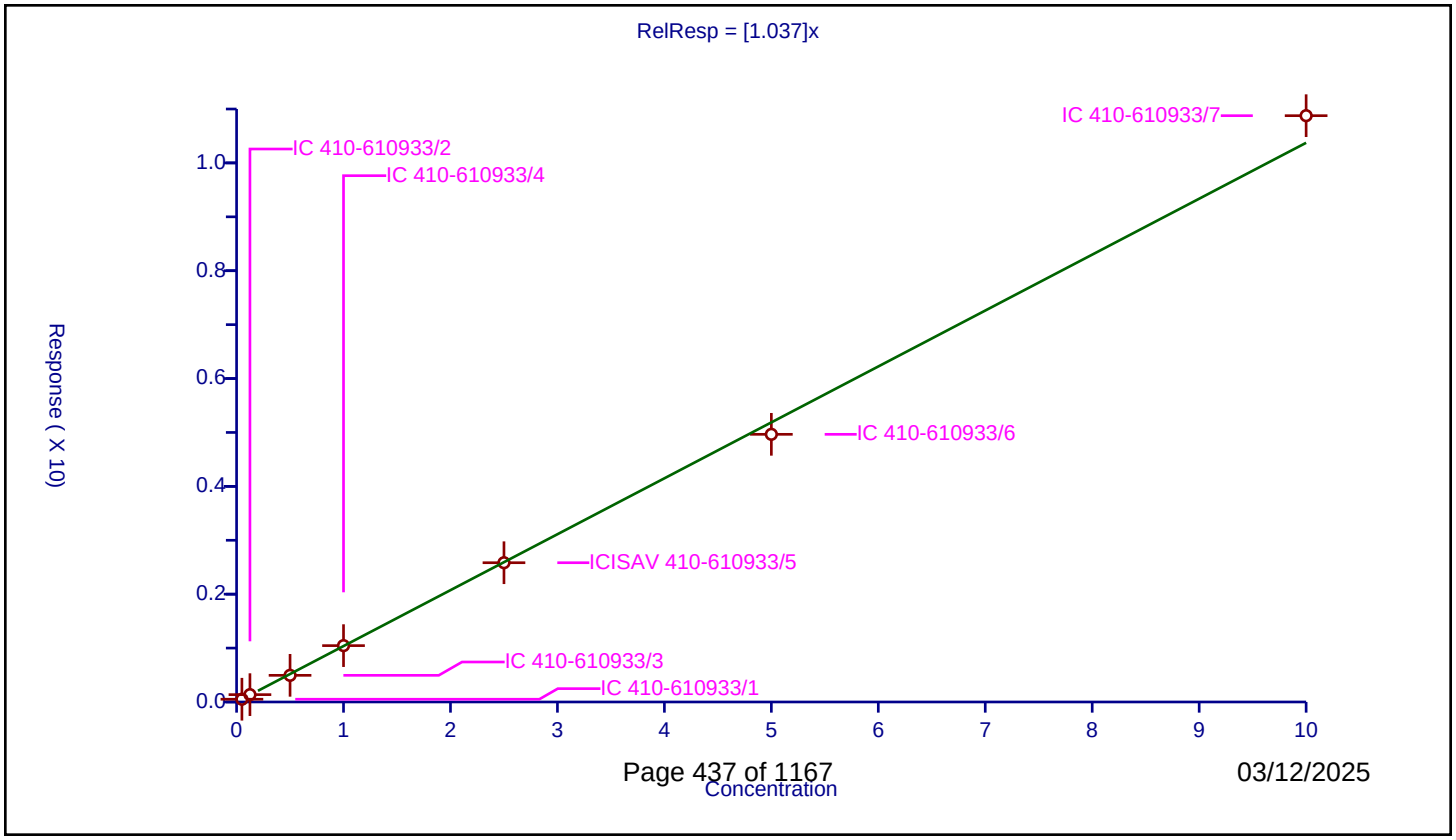
Curve Coefficients

Intercept:	0
Slope:	1.037

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.05	0.051187	1.896	2800615.0	1.023737	Y
2	IC 410-610933/2	0.125	0.136135	1.896	2667921.0	1.089081	Y
3	IC 410-610933/3	0.5	0.494601	1.896	2611685.0	0.989203	Y
4	IC 410-610933/4	1.0	1.045265	1.896	2598681.0	1.045265	Y
5	ICISAV 410-610933/5	2.5	2.583496	1.896	2817363.0	1.033399	Y
6	IC 410-610933/6	5.0	4.965422	1.896	2707423.0	0.993084	Y
7	IC 410-610933/7	10.0	10.876229	1.896	2600879.0	1.087623	Y



Calibration / 1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

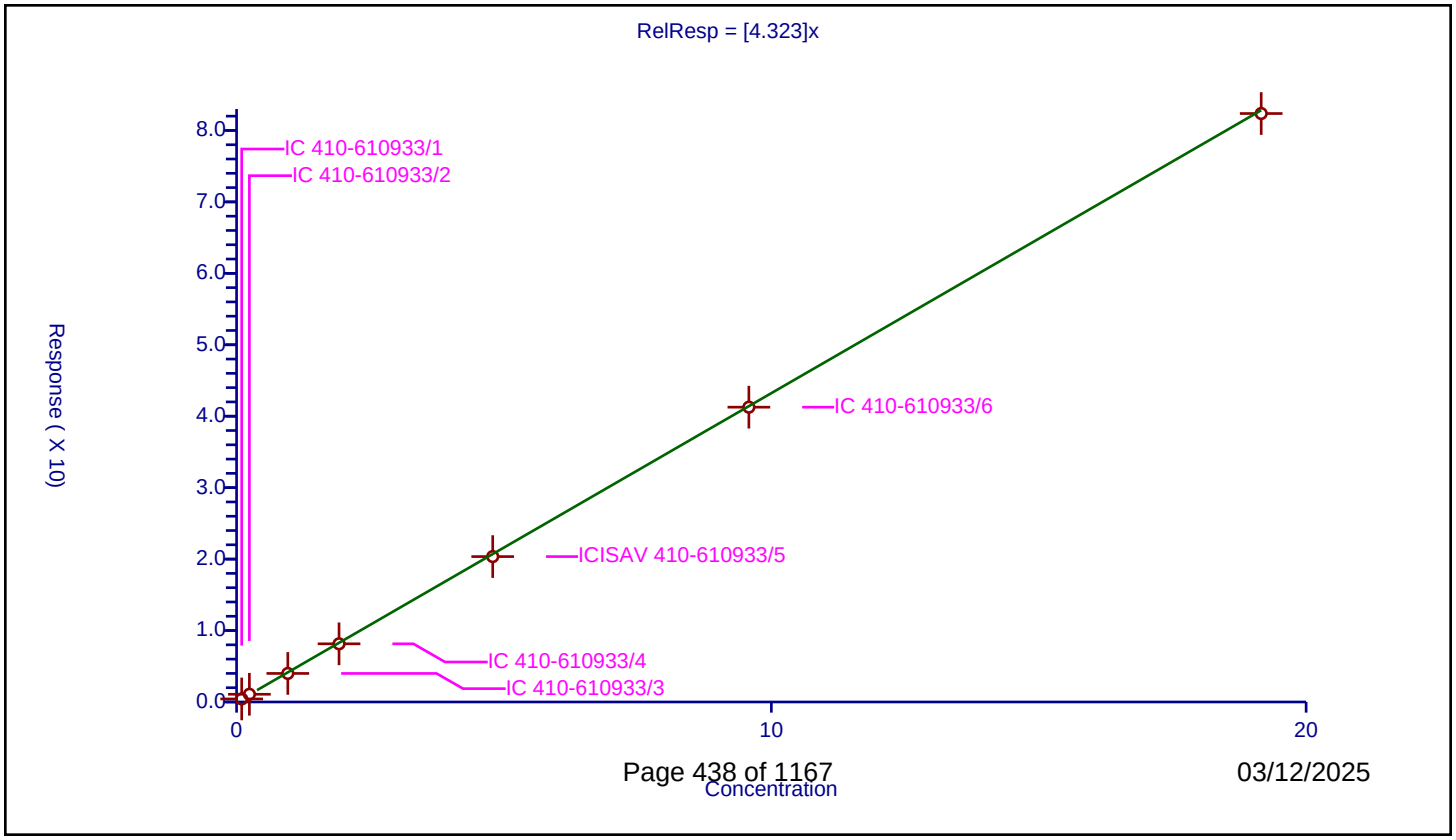
Curve Coefficients

Intercept:	0
Slope:	4.323

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.0958	0.428601	4.8	271301.0	4.473919	Y
2	IC 410-610933/2	0.2395	1.079987	4.8	288528.0	4.509339	Y
3	IC 410-610933/3	0.958	3.996406	4.8	255502.0	4.171613	Y
4	IC 410-610933/4	1.916	8.142031	4.8	267739.0	4.249494	Y
5	ICISAV 410-610933/5	4.79	20.351127	4.8	285116.0	4.24867	Y
6	IC 410-610933/6	9.58	41.264542	4.8	247547.0	4.307363	Y
7	IC 410-610933/7	19.16	82.369762	4.8	239407.0	4.299048	Y



Calibration / PFECHS

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

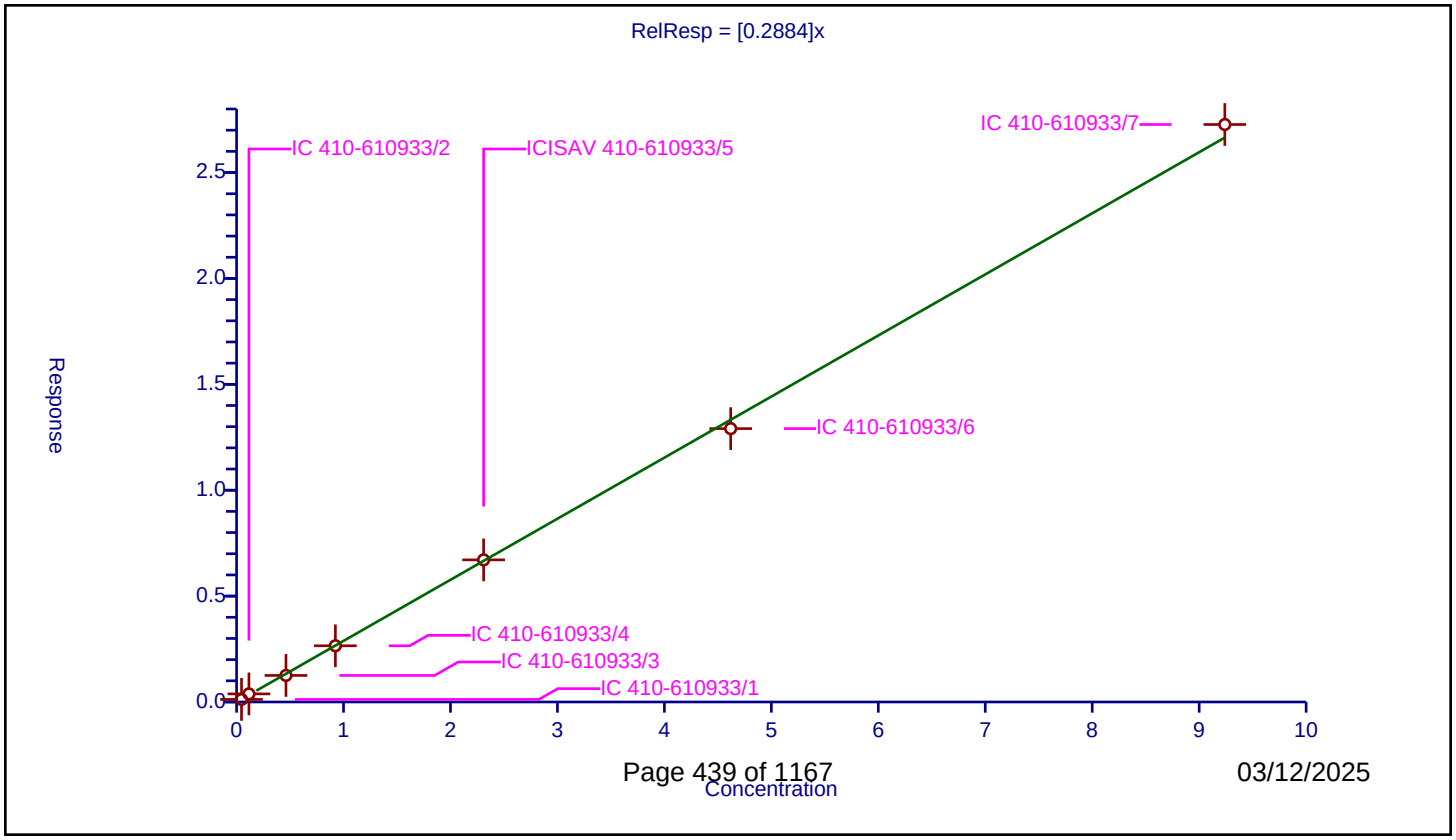
Curve Coefficients

Intercept:	0
Slope:	0.2884

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.0462	0.012203	1.896	2800615.0	0.264145	Y
2	IC 410-610933/2	0.1155	0.038265	1.896	2667921.0	0.331299	Y
3	IC 410-610933/3	0.462	0.125387	1.896	2611685.0	0.271401	Y
4	IC 410-610933/4	0.924	0.26538	1.896	2598681.0	0.287208	Y
5	ICISAV 410-610933/5	2.31	0.671057	1.896	2817363.0	0.290501	Y
6	IC 410-610933/6	4.62	1.290803	1.896	2707423.0	0.279395	Y
7	IC 410-610933/7	9.24	2.726823	1.896	2600879.0	0.295111	Y



Calibration / Perfluoroheptanesulfonic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

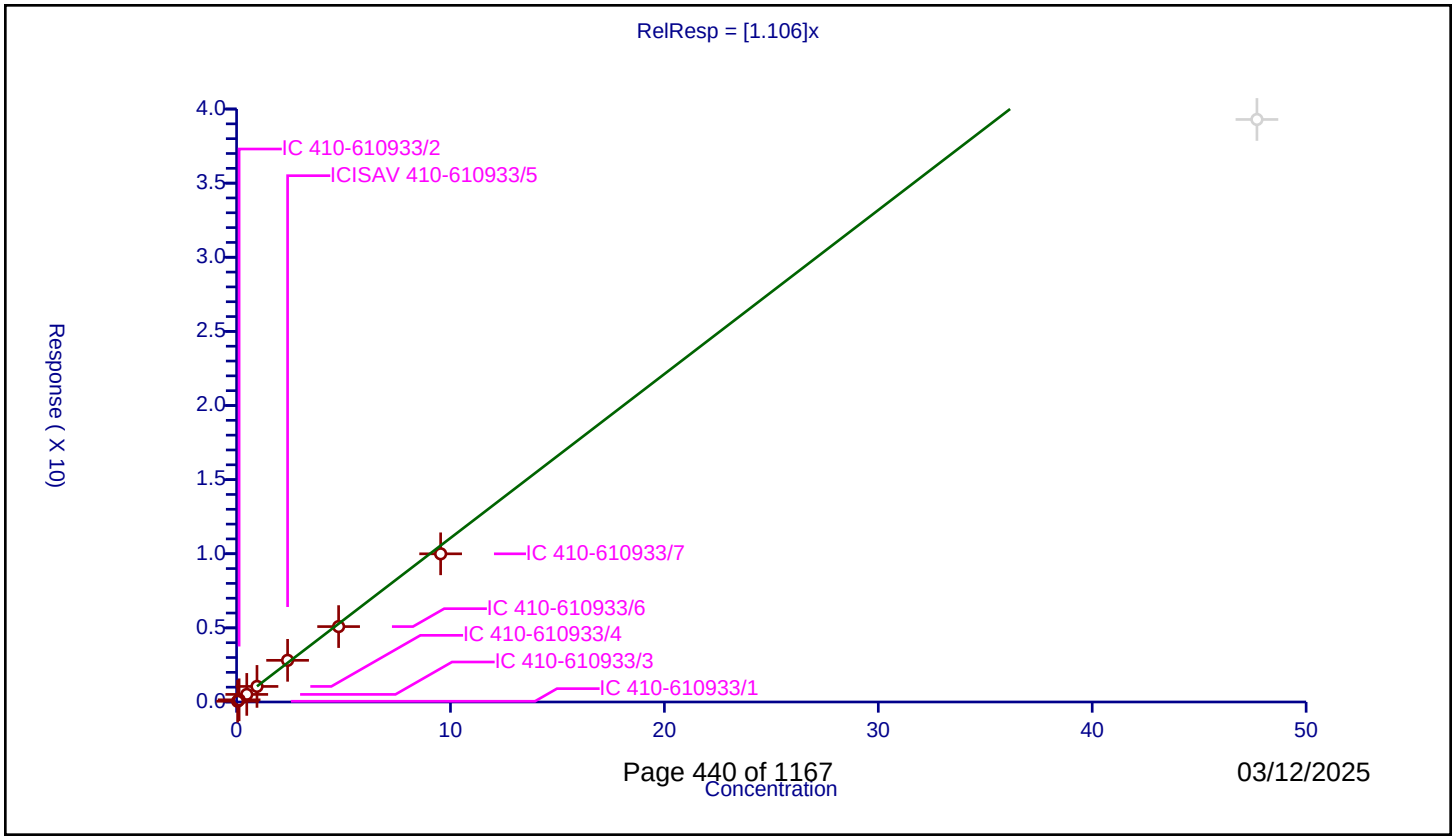
Curve Coefficients

Intercept:	0
Slope:	1.106

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.0477	0.050193	1.912	2879969.0	1.052268	Y
2	IC 410-610933/2	0.11925	0.146184	1.912	2742052.0	1.225859	Y
3	IC 410-610933/3	0.477	0.511024	1.912	2604905.0	1.071329	Y
4	IC 410-610933/4	0.954	1.0502	1.912	2748795.0	1.100839	Y
5	ICISAV 410-610933/5	2.385	2.810944	1.912	2759689.0	1.178593	Y
6	IC 410-610933/6	4.77	5.086717	1.912	2655295.0	1.066398	Y
7	IC 410-610933/7	9.54	9.994964	1.912	2721392.0	1.04769	Y
8	IC 410-610933/8	47.7	39.293983	1.912	2351556.0	0.823773	N



Calibration / N-methylperfluorooctanesulfonamidoacetic acid

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

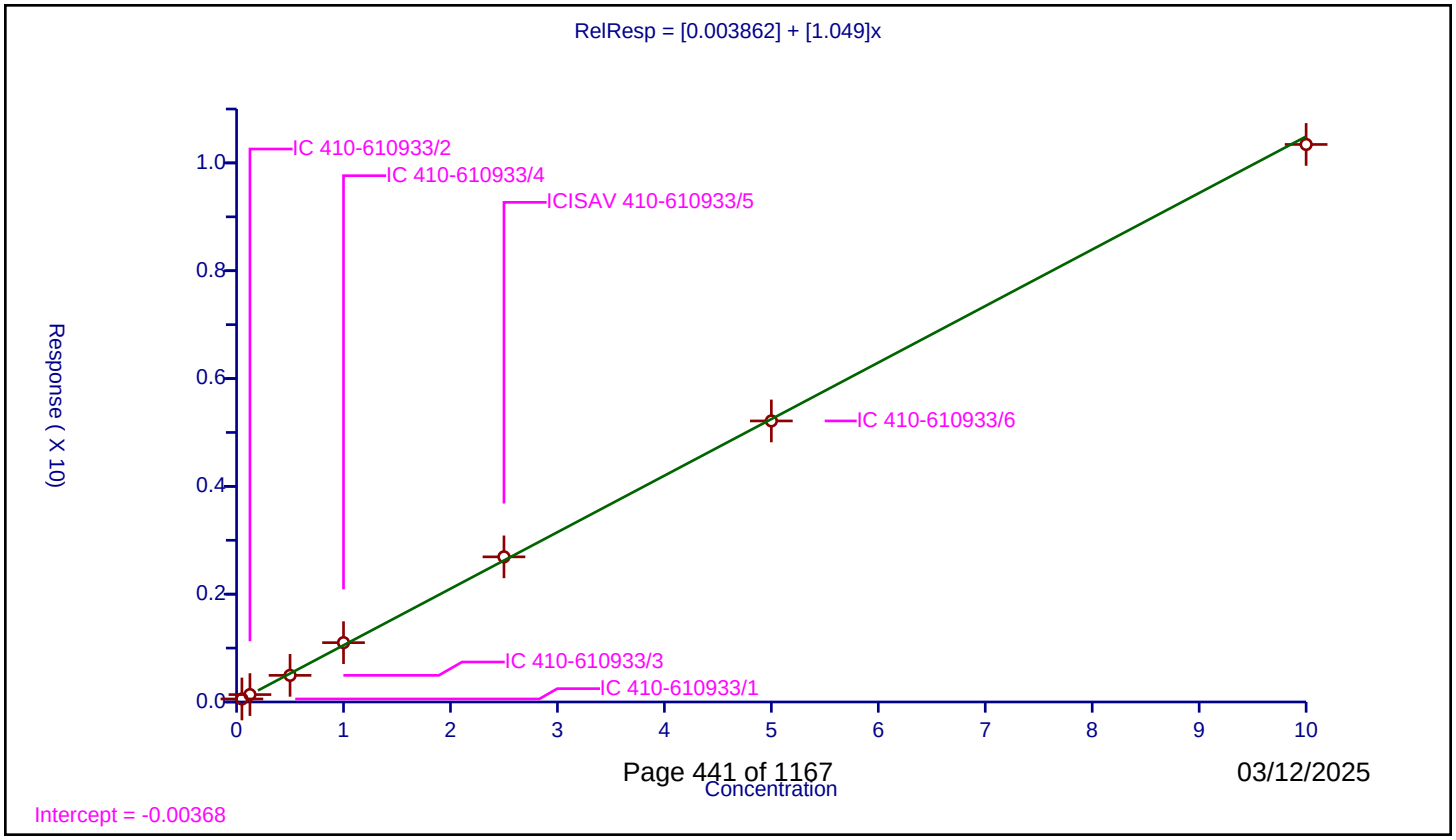
Curve Coefficients

Intercept:	0.003862
Slope:	1.049

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.05	0.05612	5.0	2931490.0	1.122399	Y
2	IC 410-610933/2	0.125	0.137345	5.0	2719798.0	1.098758	Y
3	IC 410-610933/3	0.5	0.493813	5.0	2697732.0	0.987626	Y
4	IC 410-610933/4	1.0	1.10083	5.0	2652090.0	1.10083	Y
5	ICISAV 410-610933/5	2.5	2.692183	5.0	2851794.0	1.076873	Y
6	IC 410-610933/6	5.0	5.213806	5.0	2658574.0	1.042761	Y
7	IC 410-610933/7	10.0	10.342749	5.0	2737488.0	1.034275	Y



Calibration / Perfluorodecanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

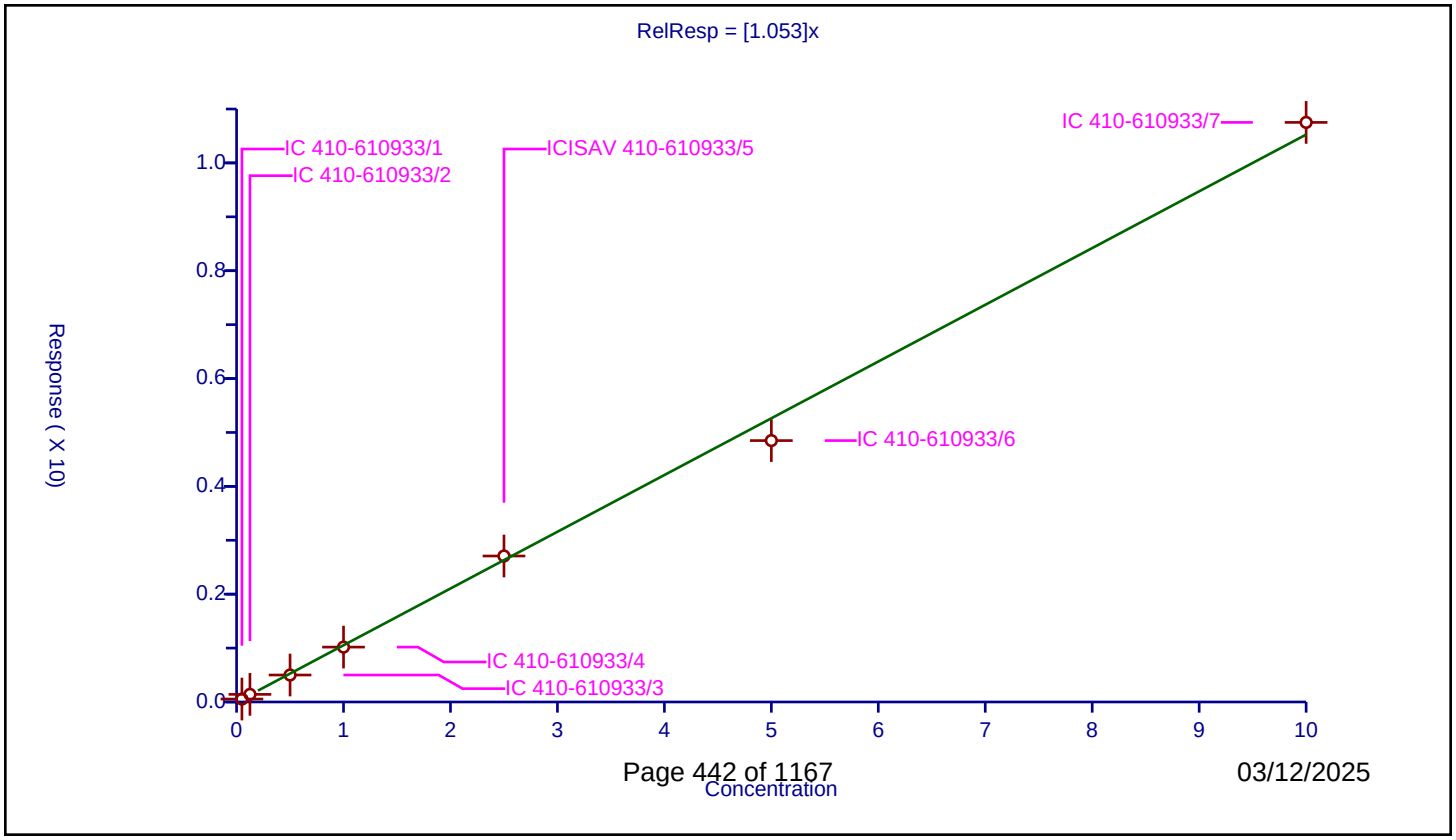
Curve Coefficients

Intercept:	0
Slope:	1.053

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.05	0.05448	2.0	2098267.0	1.089604	Y
2	IC 410-610933/2	0.125	0.14138	2.0	2066182.0	1.131037	Y
3	IC 410-610933/3	0.5	0.500429	2.0	2059240.0	1.000859	Y
4	IC 410-610933/4	1.0	1.018076	2.0	2245741.0	1.018076	Y
5	ICISAV 410-610933/5	2.5	2.708285	2.0	2152680.0	1.083314	Y
6	IC 410-610933/6	5.0	4.849317	2.0	2171444.0	0.969863	Y
7	IC 410-610933/7	10.0	10.751622	2.0	1991362.0	1.075162	Y



Calibration / N-ethylperfluorooctanesulfonamidoacetic acid

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

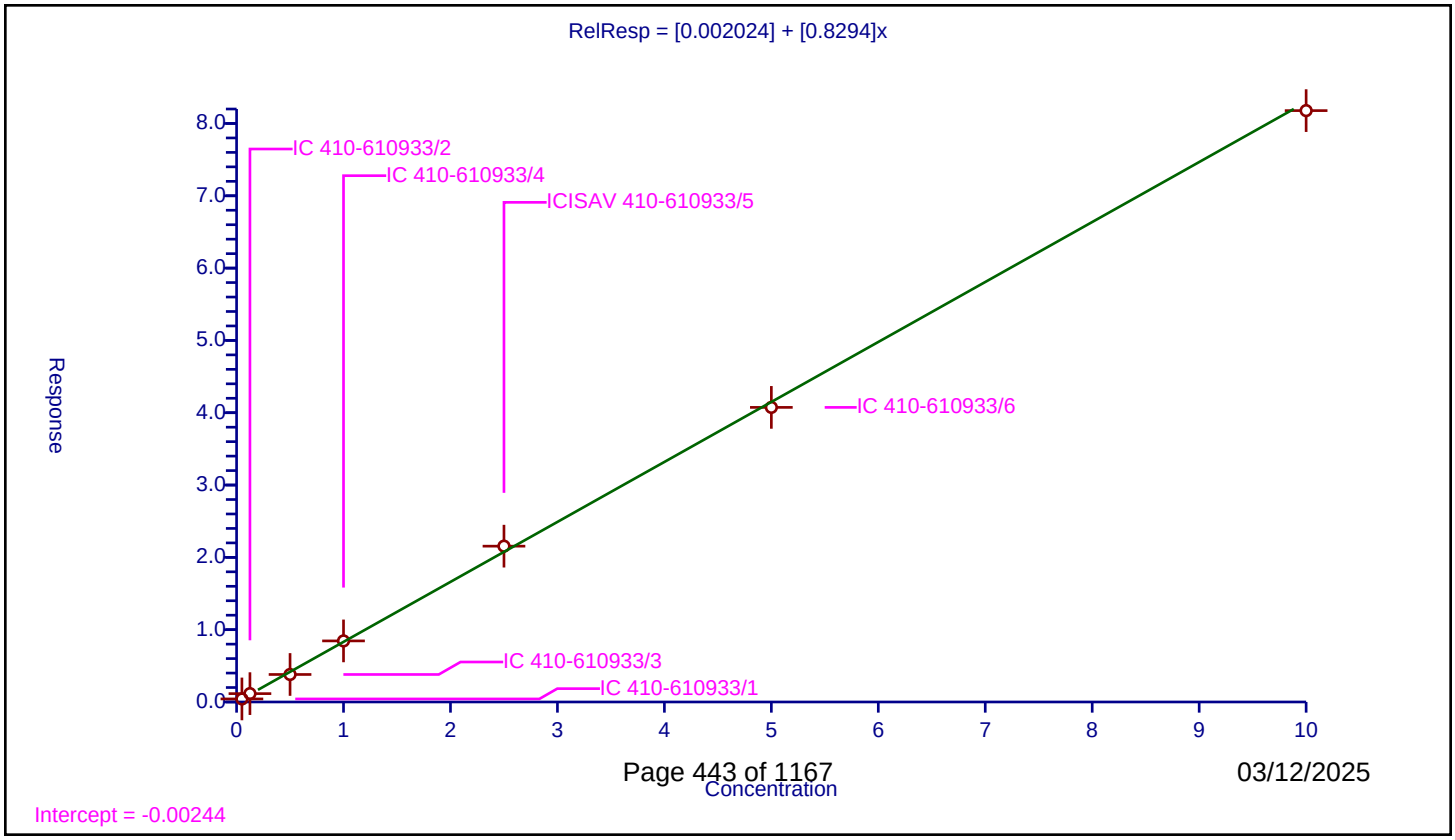
Curve Coefficients

Intercept:	0.002024
Slope:	0.8294

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.05	0.042193	5.0	2458368.0	0.843853	Y
2	IC 410-610933/2	0.125	0.115759	5.0	2355494.0	0.926073	Y
3	IC 410-610933/3	0.5	0.380418	5.0	2348577.0	0.760835	Y
4	IC 410-610933/4	1.0	0.844593	5.0	2423966.0	0.844593	Y
5	ICISAV 410-610933/5	2.5	2.154893	5.0	2435722.0	0.861957	Y
6	IC 410-610933/6	5.0	4.073963	5.0	2196435.0	0.814793	Y
7	IC 410-610933/7	10.0	8.177734	5.0	2342163.0	0.817773	Y



Calibration / Perfluorooctanesulfonic acid

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

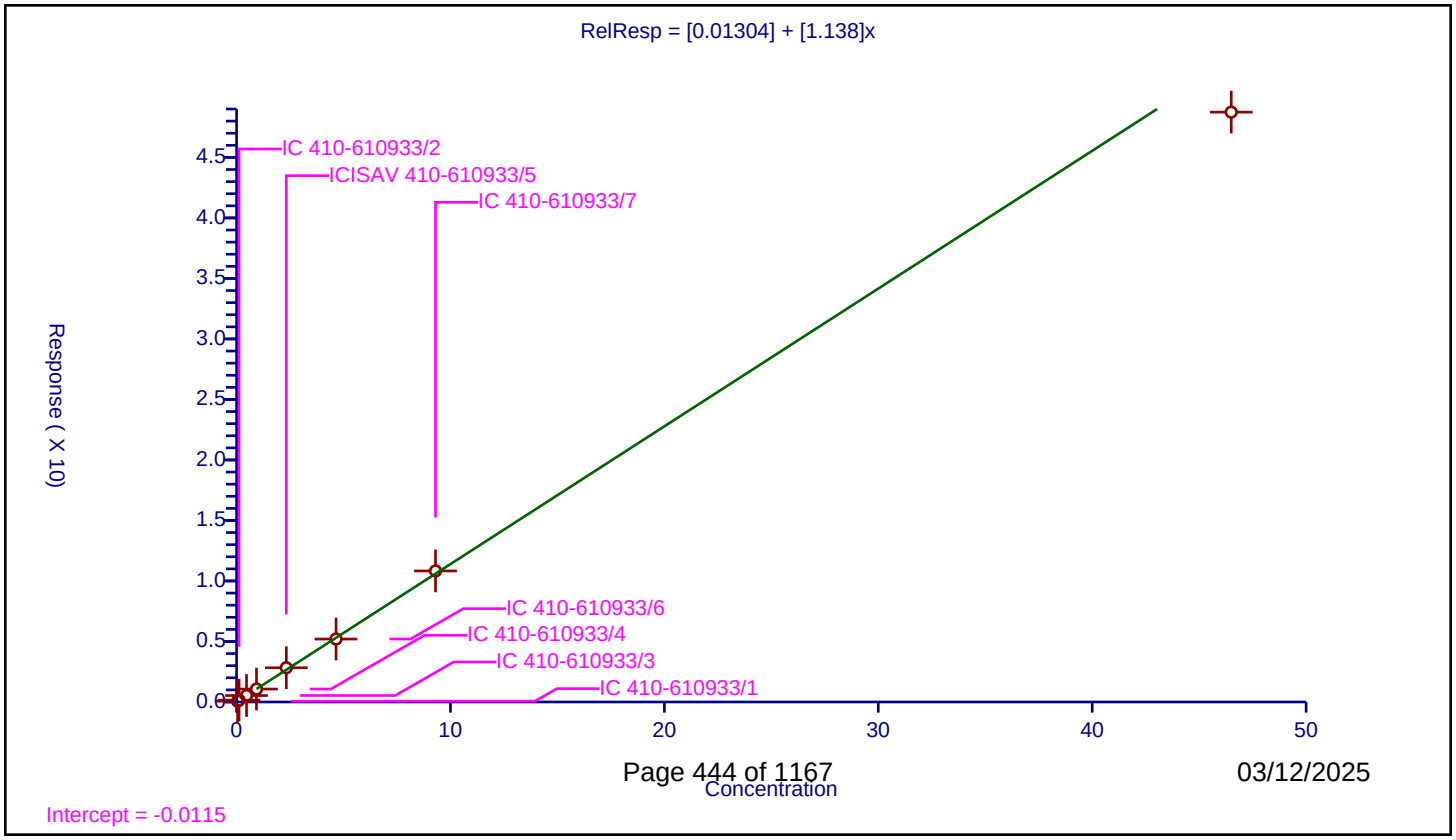
Curve Coefficients

Intercept:	0.01304
Slope:	1.138

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.0465	0.065025	1.912	2879969.0	1.398379	Y
2	IC 410-610933/2	0.11625	0.15136	1.912	2742052.0	1.302024	Y
3	IC 410-610933/3	0.465	0.535253	1.912	2604905.0	1.151082	Y
4	IC 410-610933/4	0.93	1.070465	1.912	2748795.0	1.151037	Y
5	ICISAV 410-610933/5	2.325	2.829303	1.912	2759689.0	1.216904	Y
6	IC 410-610933/6	4.65	5.202388	1.912	2655295.0	1.118793	Y
7	IC 410-610933/7	9.3	10.83052	1.912	2721392.0	1.164572	Y
8	IC 410-610933/8	46.5	48.741221	1.912	2351556.0	1.048198	Y



Calibration / Perfluoroundecanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

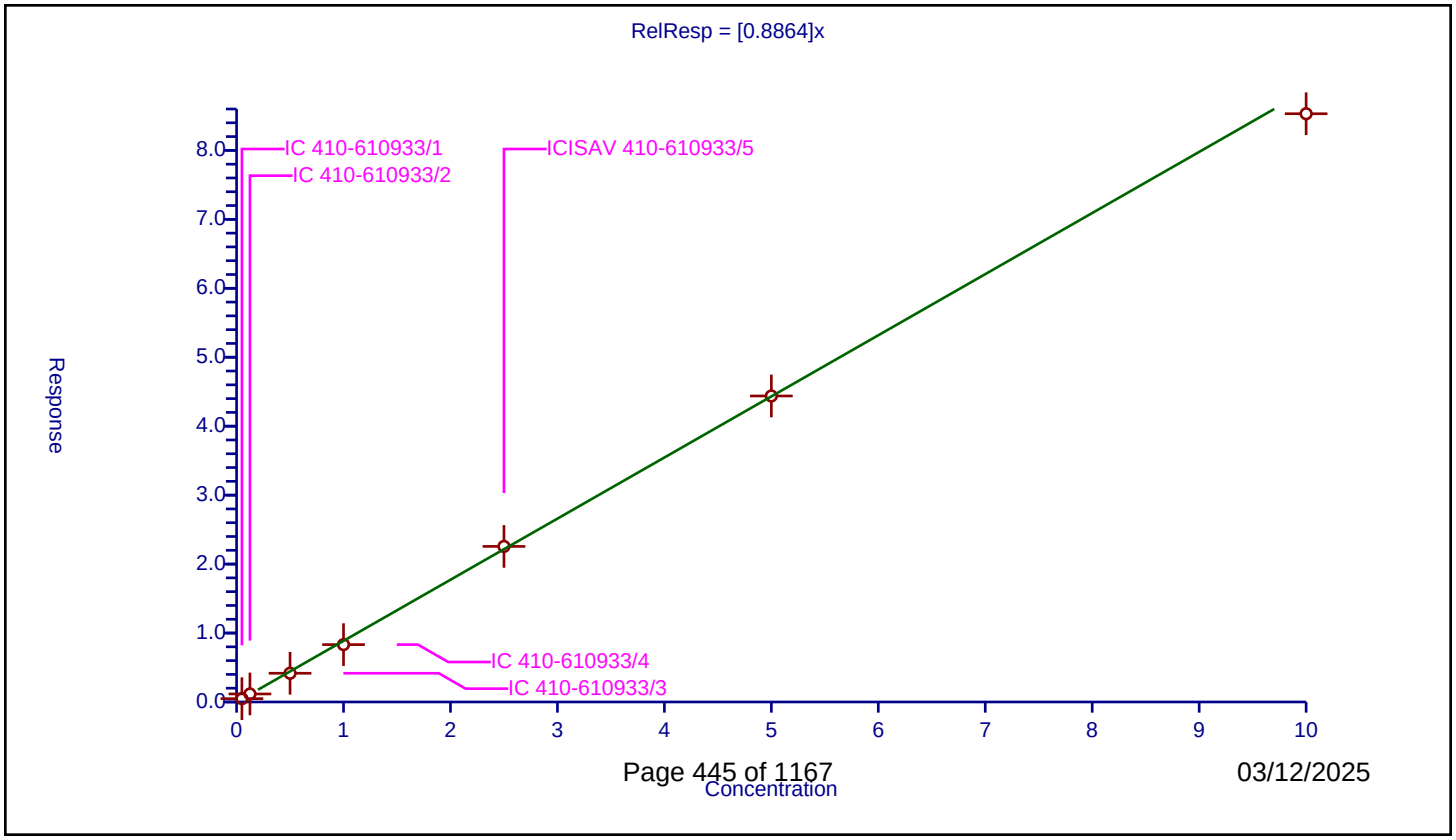
Curve Coefficients

Intercept:	0
Slope:	0.8864

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.05	0.048193	2.0	1576486.0	0.963865	Y
2	IC 410-610933/2	0.125	0.116535	2.0	1507735.0	0.932281	Y
3	IC 410-610933/3	0.5	0.416578	2.0	1476639.0	0.833157	Y
4	IC 410-610933/4	1.0	0.832223	2.0	1560243.0	0.832223	Y
5	ICISAV 410-610933/5	2.5	2.256686	2.0	1486219.0	0.902675	Y
6	IC 410-610933/6	5.0	4.438325	2.0	1413189.0	0.887665	Y
7	IC 410-610933/7	10.0	8.531586	2.0	1500804.0	0.853159	Y



Calibration / 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

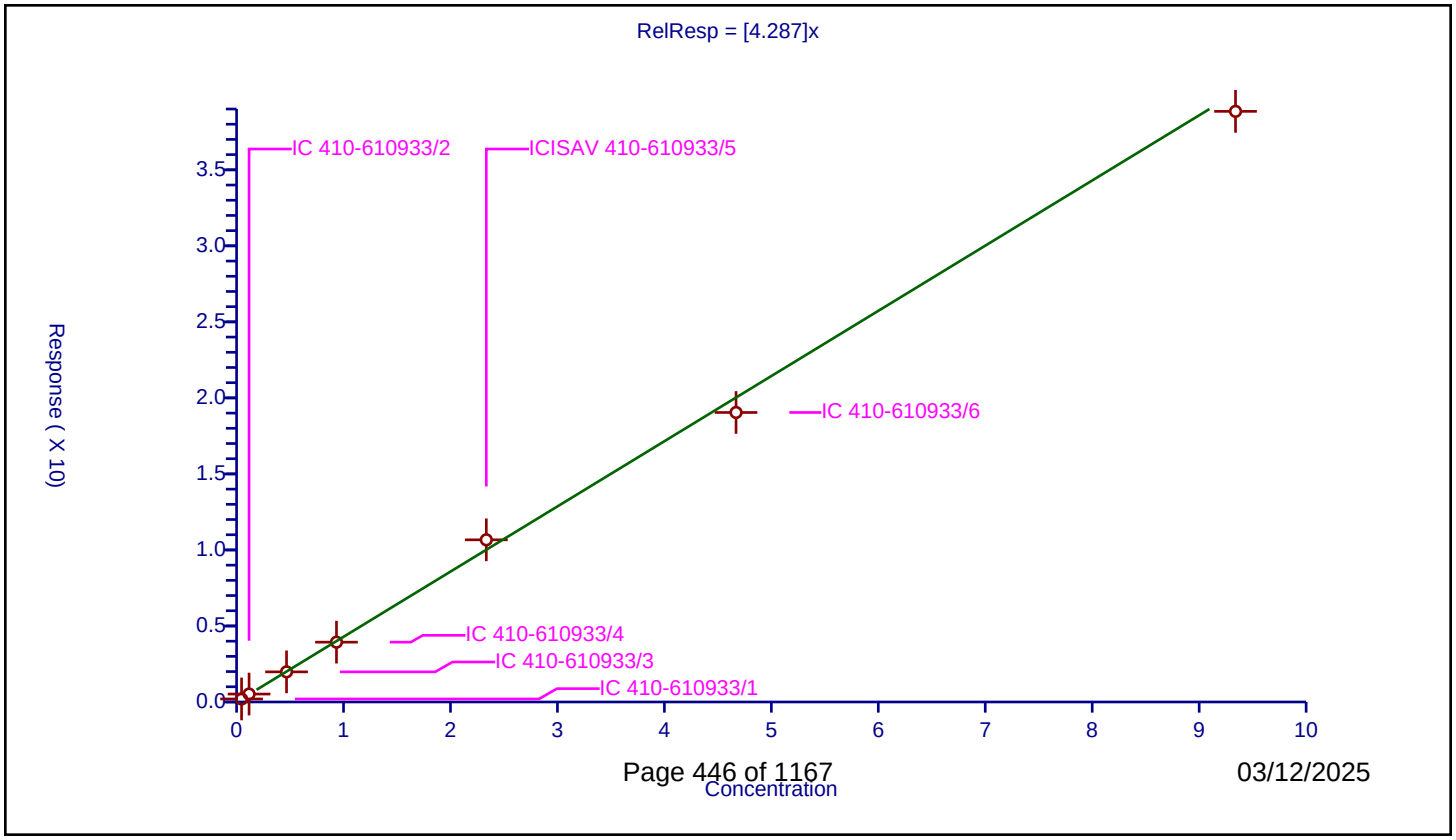
Curve Coefficients

Intercept:	0
Slope:	4.287

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.0467	0.199874	2.0	1409659.0	4.279954	Y
2	IC 410-610933/2	0.11675	0.522339	2.0	1378641.0	4.473996	Y
3	IC 410-610933/3	0.467	1.980978	2.0	1273905.0	4.241923	Y
4	IC 410-610933/4	0.934	3.934028	2.0	1353362.0	4.212021	Y
5	ICISAV 410-610933/5	2.335	10.665682	2.0	1336674.0	4.567744	Y
6	IC 410-610933/6	4.67	19.041119	2.0	1329981.0	4.077327	Y
7	IC 410-610933/7	9.34	38.845454	2.0	1329058.0	4.159042	Y



Calibration / Perfluorononanesulfonic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

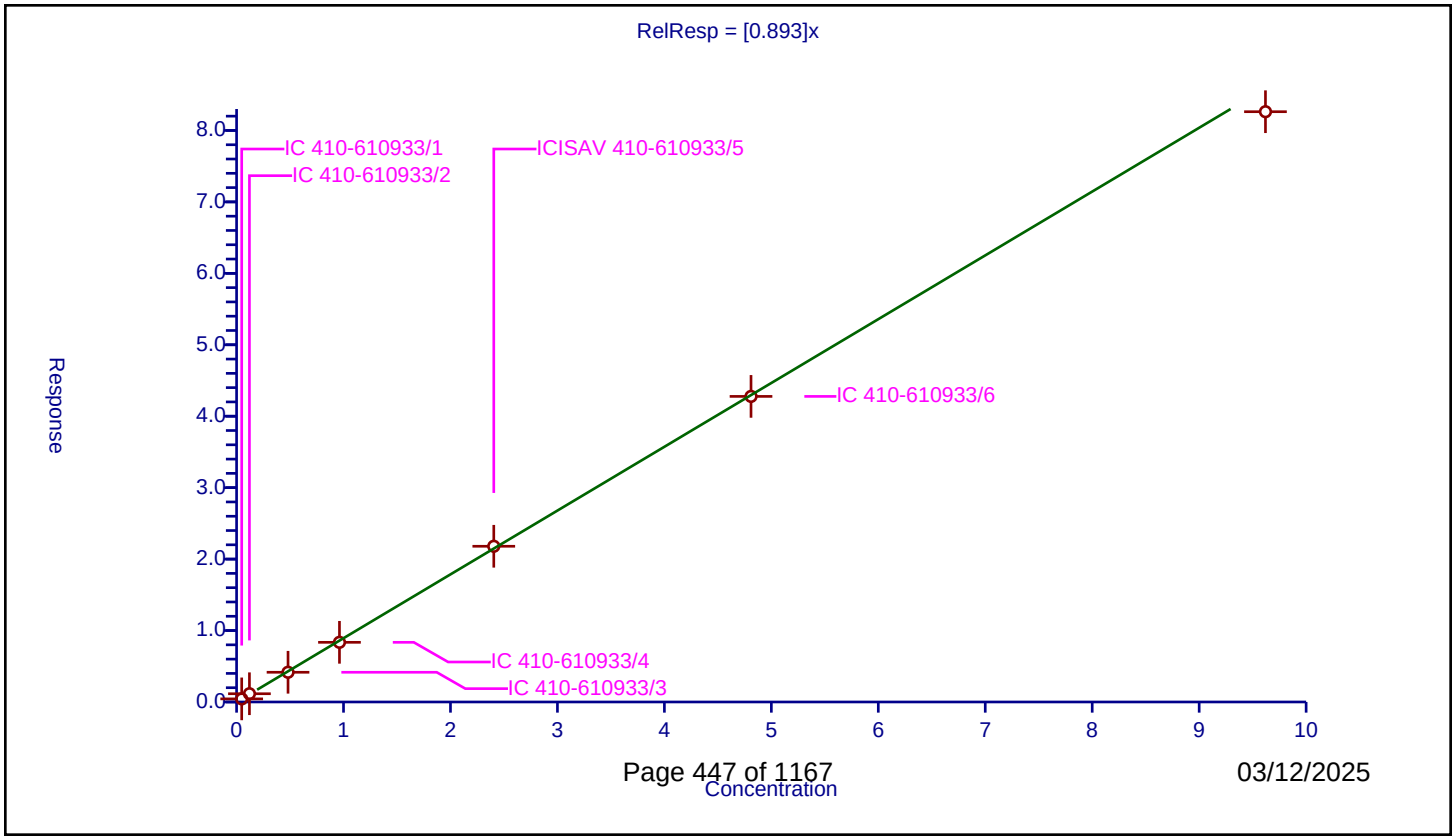
Curve Coefficients

Intercept:	0
Slope:	0.893

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.0481	0.043368	1.912	2879969.0	0.901615	Y
2	IC 410-610933/2	0.12025	0.115668	1.912	2742052.0	0.961898	Y
3	IC 410-610933/3	0.481	0.416027	1.912	2604905.0	0.86492	Y
4	IC 410-610933/4	0.962	0.835324	1.912	2748795.0	0.86832	Y
5	ICISAV 410-610933/5	2.405	2.179825	1.912	2759689.0	0.906372	Y
6	IC 410-610933/6	4.81	4.277344	1.912	2655295.0	0.889261	Y
7	IC 410-610933/7	9.62	8.262391	1.912	2721392.0	0.858876	Y



Calibration / Perfluorododecanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

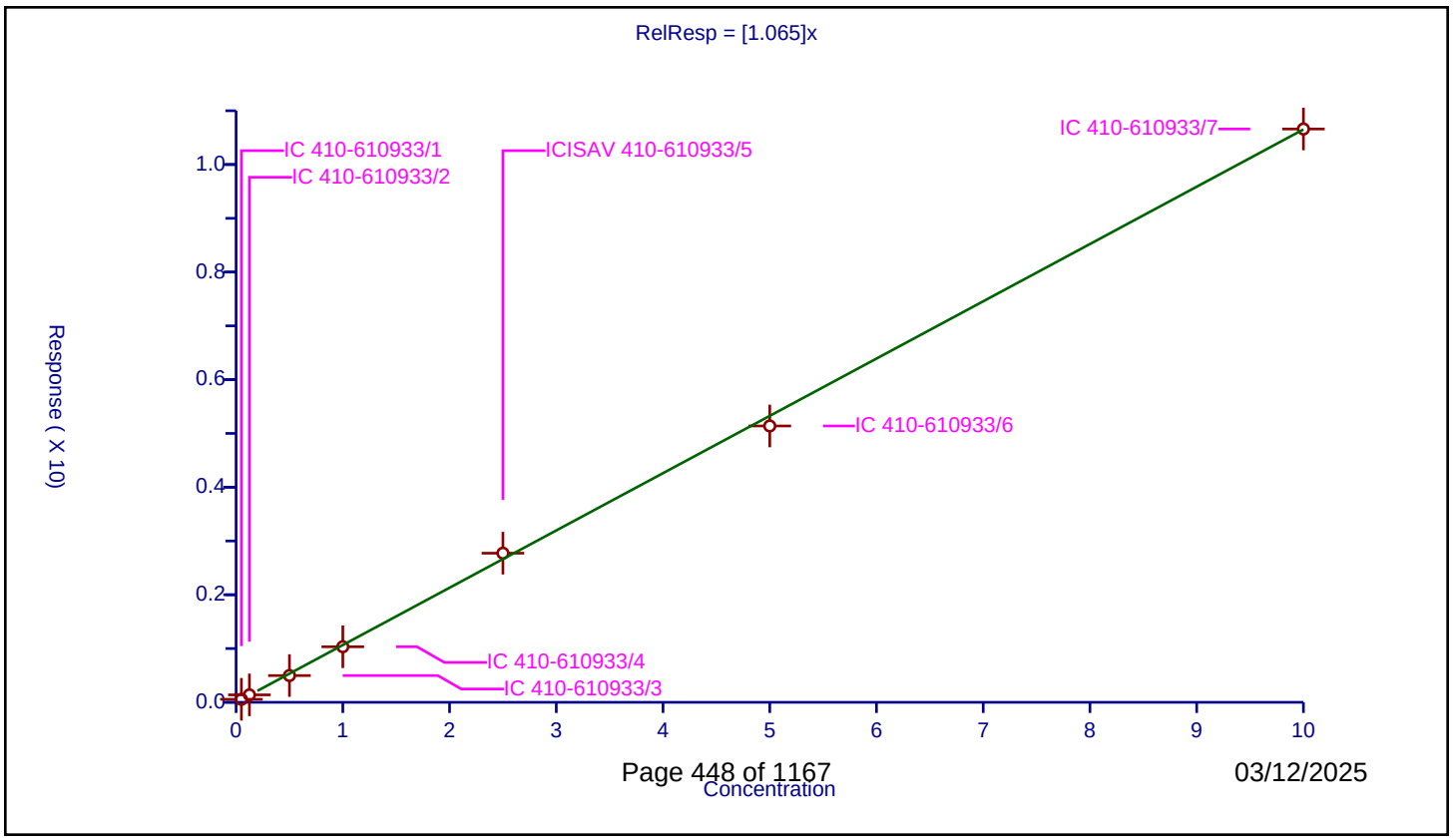
Curve Coefficients

Intercept:	0
Slope:	1.065

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.05	0.055905	2.0	1212772.0	1.1181	Y
2	IC 410-610933/2	0.125	0.138395	2.0	1257243.0	1.107159	Y
3	IC 410-610933/3	0.5	0.497535	2.0	1209547.0	0.99507	Y
4	IC 410-610933/4	1.0	1.033329	2.0	1218711.0	1.033329	Y
5	ICISAV 410-610933/5	2.5	2.773051	2.0	1217915.0	1.10922	Y
6	IC 410-610933/6	5.0	5.138468	2.0	1194250.0	1.027694	Y
7	IC 410-610933/7	10.0	10.66061	2.0	1183188.0	1.066061	Y



Calibration / Perfluorooctanesulfonamide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

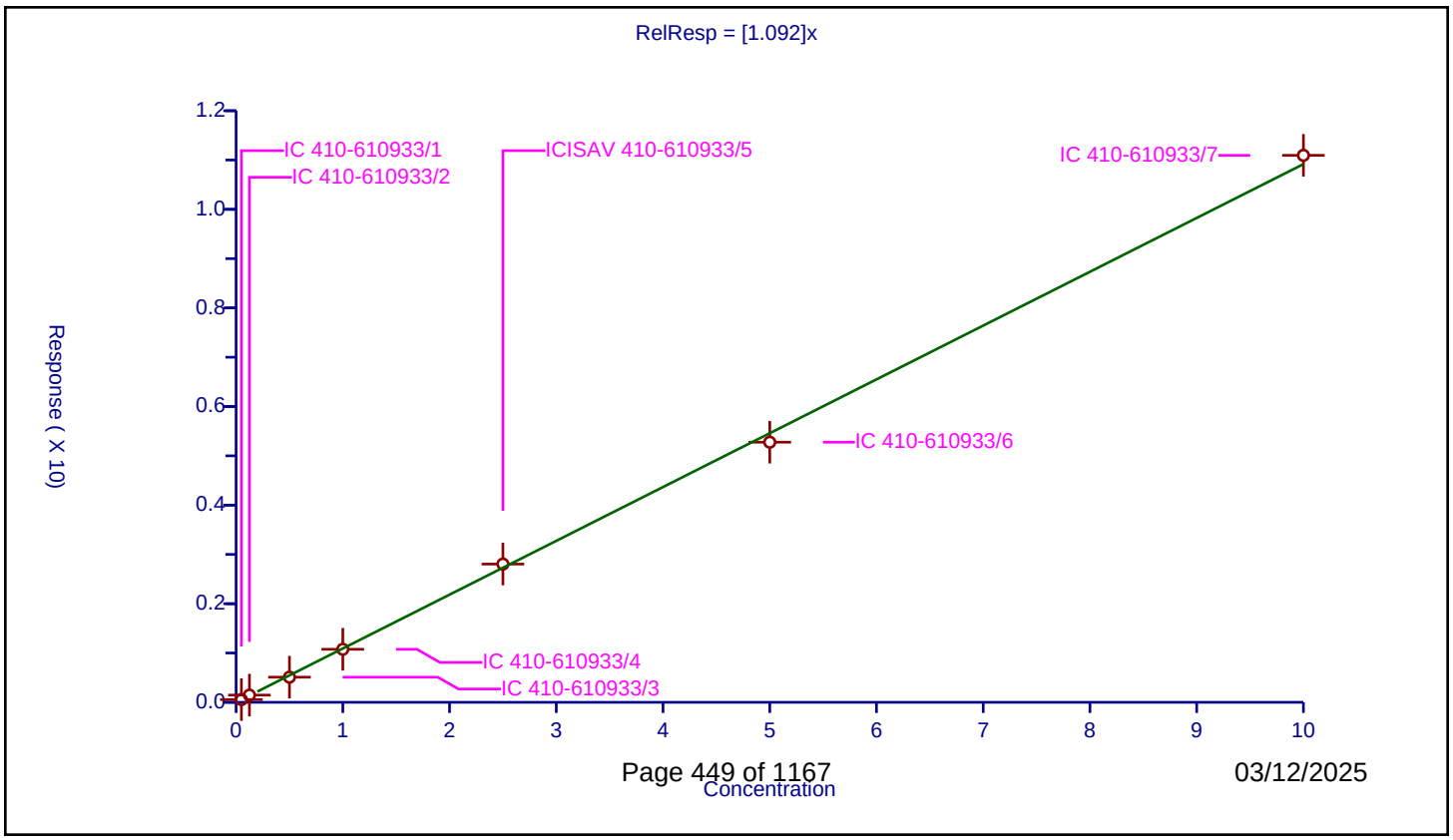
Curve Coefficients

Intercept:	0
Slope:	1.092

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.05	0.054729	2.0	2763907.0	1.094581	Y
2	IC 410-610933/2	0.125	0.145776	2.0	2793083.0	1.166207	Y
3	IC 410-610933/3	0.5	0.509507	2.0	2613656.0	1.019014	Y
4	IC 410-610933/4	1.0	1.075653	2.0	2734066.0	1.075653	Y
5	ICISAV 410-610933/5	2.5	2.804343	2.0	2787088.0	1.121737	Y
6	IC 410-610933/6	5.0	5.276249	2.0	2706919.0	1.05525	Y
7	IC 410-610933/7	10.0	11.095781	2.0	2692879.0	1.109578	Y



Calibration / Perfluorodecanesulfonic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

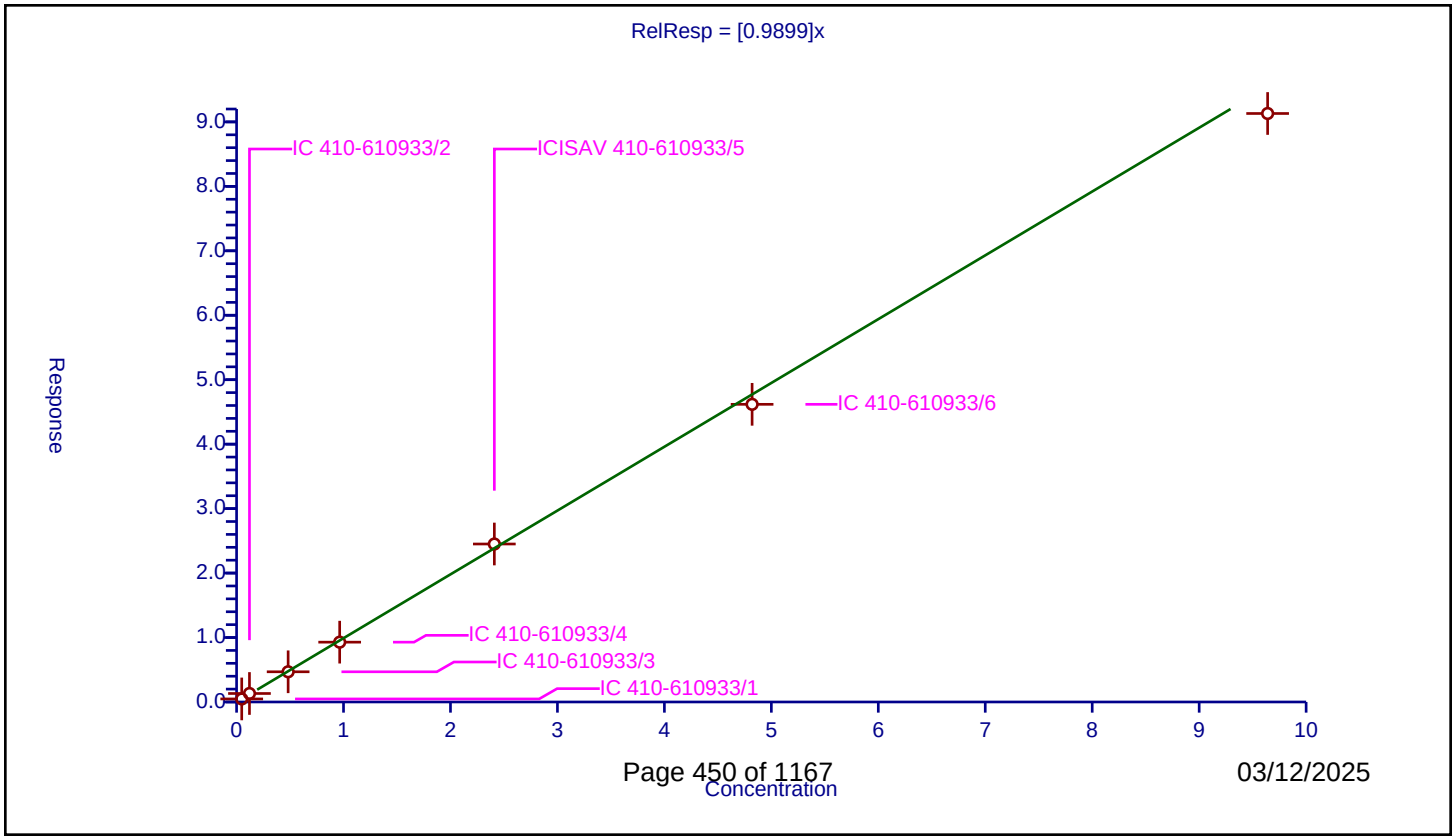
Curve Coefficients

Intercept:	0
Slope:	0.9899

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.0482	0.047193	1.912	2879969.0	0.979109	Y
2	IC 410-610933/2	0.1205	0.131738	1.912	2742052.0	1.093261	Y
3	IC 410-610933/3	0.482	0.468539	1.912	2604905.0	0.972073	Y
4	IC 410-610933/4	0.964	0.928165	1.912	2748795.0	0.962827	Y
5	ICISAV 410-610933/5	2.41	2.451011	1.912	2759689.0	1.017017	Y
6	IC 410-610933/6	4.82	4.61827	1.912	2655295.0	0.958147	Y
7	IC 410-610933/7	9.64	9.130443	1.912	2721392.0	0.947141	Y



Calibration / Perfluorotridecanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

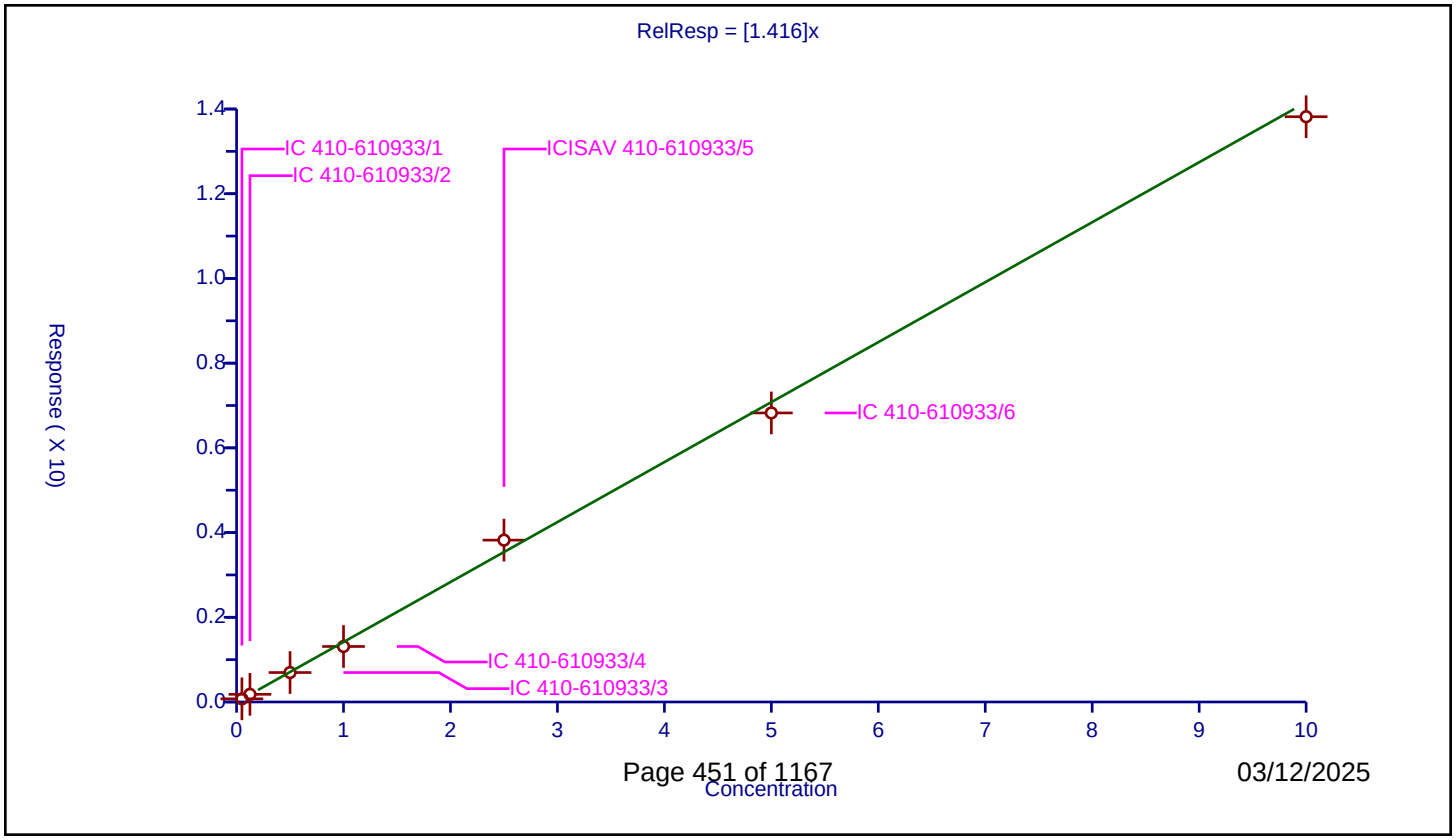
Curve Coefficients

Intercept:	0
Slope:	1.416

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.05	0.074435	2.0	1278918.0	1.488696	Y
2	IC 410-610933/2	0.125	0.180756	2.0	1311976.0	1.446051	Y
3	IC 410-610933/3	0.5	0.695344	2.0	1245829.0	1.390688	Y
4	IC 410-610933/4	1.0	1.310338	2.0	1347327.0	1.310338	Y
5	ICISAV 410-610933/5	2.5	3.821261	2.0	1284410.0	1.528504	Y
6	IC 410-610933/6	5.0	6.824231	2.0	1262358.0	1.364846	Y
7	IC 410-610933/7	10.0	13.817914	2.0	1249079.0	1.381791	Y



Calibration / 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

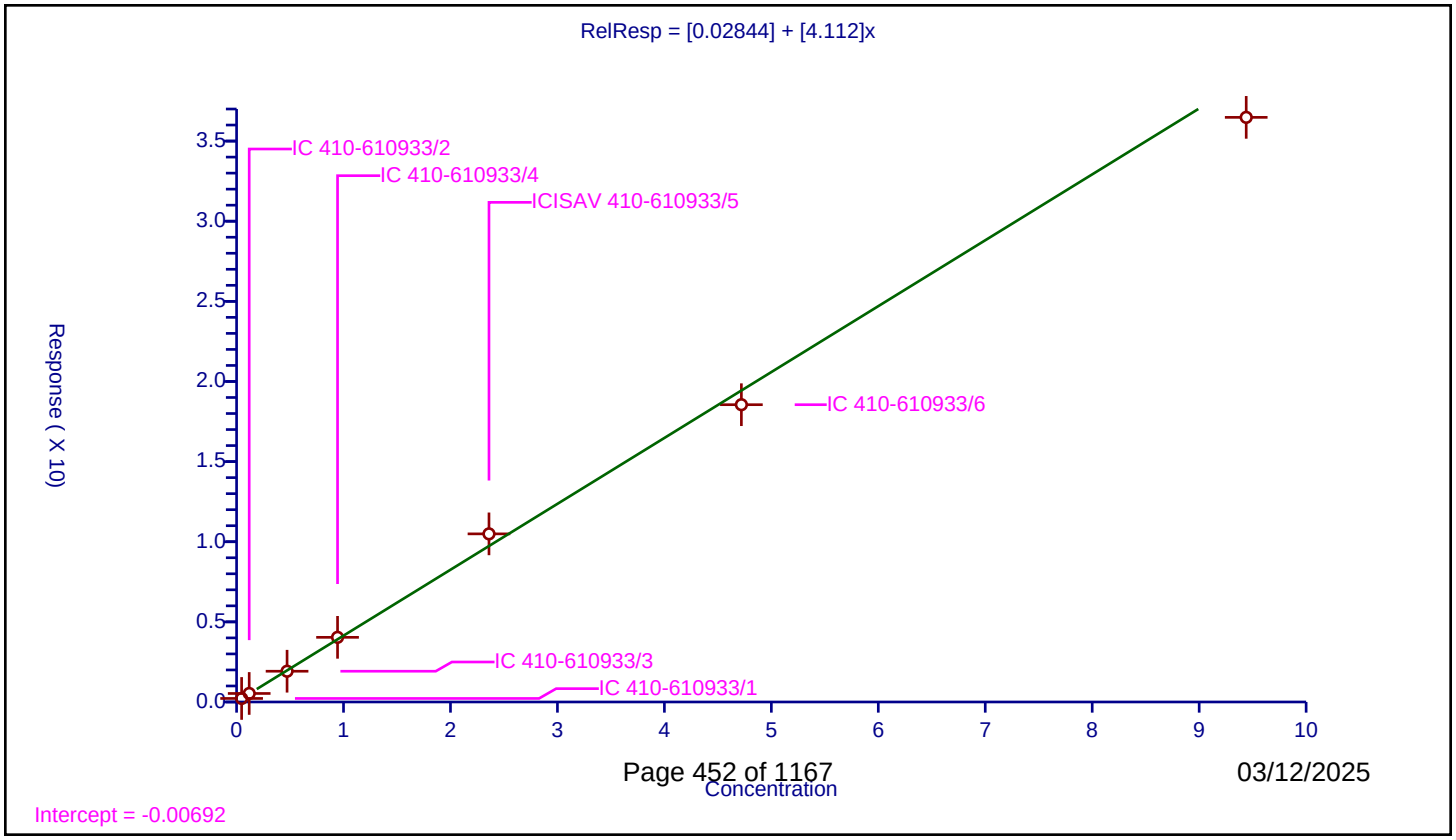
Curve Coefficients

Intercept:	0.02844
Slope:	4.112

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.0472	0.219737	2.0	1409659.0	4.655441	Y
2	IC 410-610933/2	0.118	0.531136	2.0	1378641.0	4.501153	Y
3	IC 410-610933/3	0.472	1.919405	2.0	1273905.0	4.066537	Y
4	IC 410-610933/4	0.944	4.034582	2.0	1353362.0	4.273922	Y
5	ICISAV 410-610933/5	2.36	10.490259	2.0	1336674.0	4.445025	Y
6	IC 410-610933/6	4.72	18.550451	2.0	1329981.0	3.93018	Y
7	IC 410-610933/7	9.44	36.478664	2.0	1329058.0	3.864265	Y



Calibration / Perfluorotetradecanoic acid

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

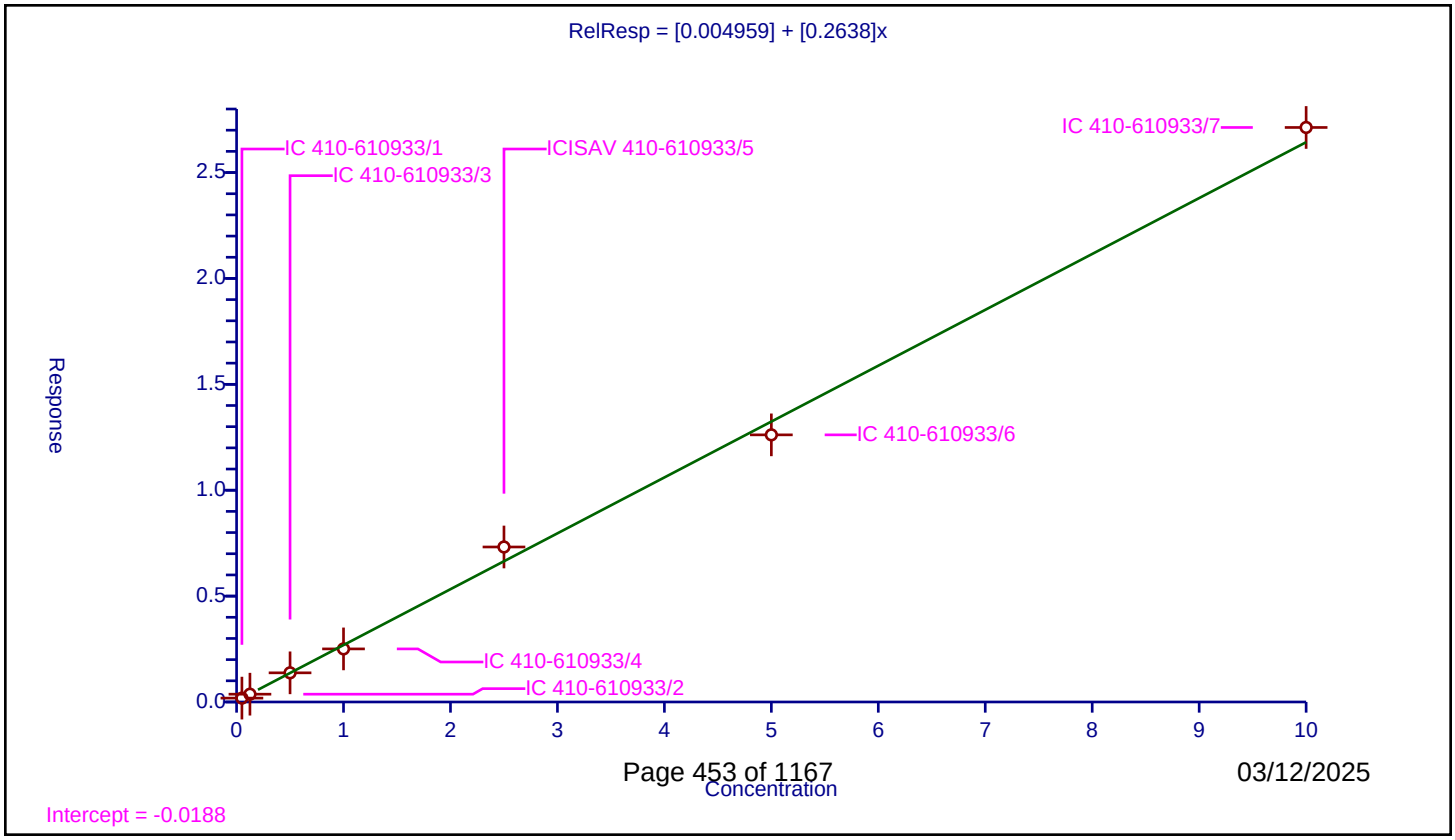
Curve Coefficients

Intercept:	0.004959
Slope:	0.2638

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.05	0.018341	2.0	1278918.0	0.36681	Y
2	IC 410-610933/2	0.125	0.036835	2.0	1311976.0	0.294676	Y
3	IC 410-610933/3	0.5	0.137746	2.0	1245829.0	0.275492	Y
4	IC 410-610933/4	1.0	0.250671	2.0	1347327.0	0.250671	Y
5	ICISAV 410-610933/5	2.5	0.731882	2.0	1284410.0	0.292753	Y
6	IC 410-610933/6	5.0	1.261373	2.0	1262358.0	0.252275	Y
7	IC 410-610933/7	10.0	2.712852	2.0	1249079.0	0.271285	Y



Calibration / Perfluorododecanesulfonic acid (PFDoS)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

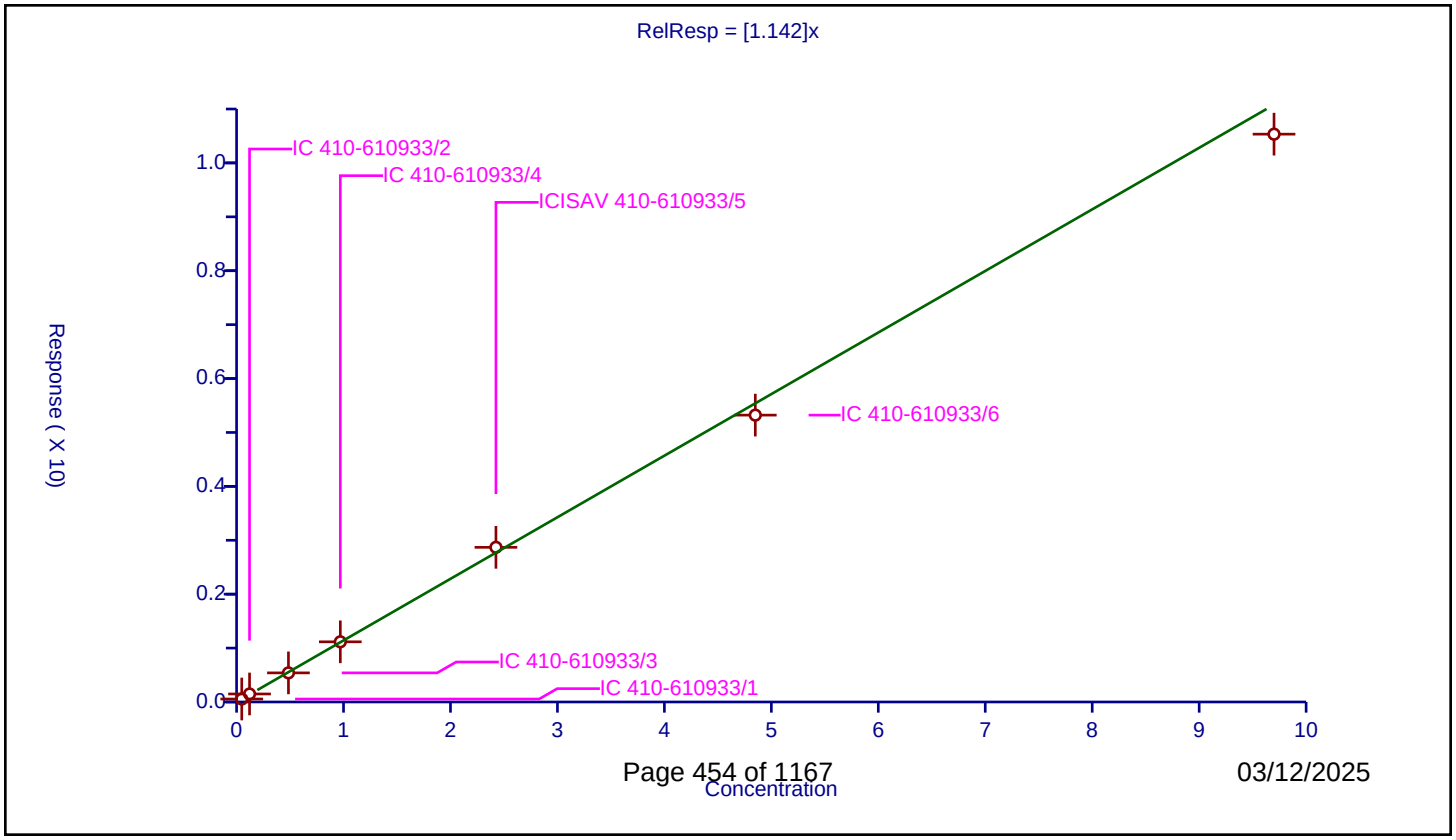
Curve Coefficients

Intercept:	0
Slope:	1.142

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.0485	0.055329	1.912	2879969.0	1.140806	Y
2	IC 410-610933/2	0.12125	0.148467	1.912	2742052.0	1.224467	Y
3	IC 410-610933/3	0.485	0.540026	1.912	2604905.0	1.113455	Y
4	IC 410-610933/4	0.97	1.116417	1.912	2748795.0	1.150946	Y
5	ICISAV 410-610933/5	2.425	2.869023	1.912	2759689.0	1.183102	Y
6	IC 410-610933/6	4.85	5.32146	1.912	2655295.0	1.097208	Y
7	IC 410-610933/7	9.7	10.533377	1.912	2721392.0	1.085915	Y



Calibration / 2-(N-methylperfluoro-1-octanesulfonamido) ethanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

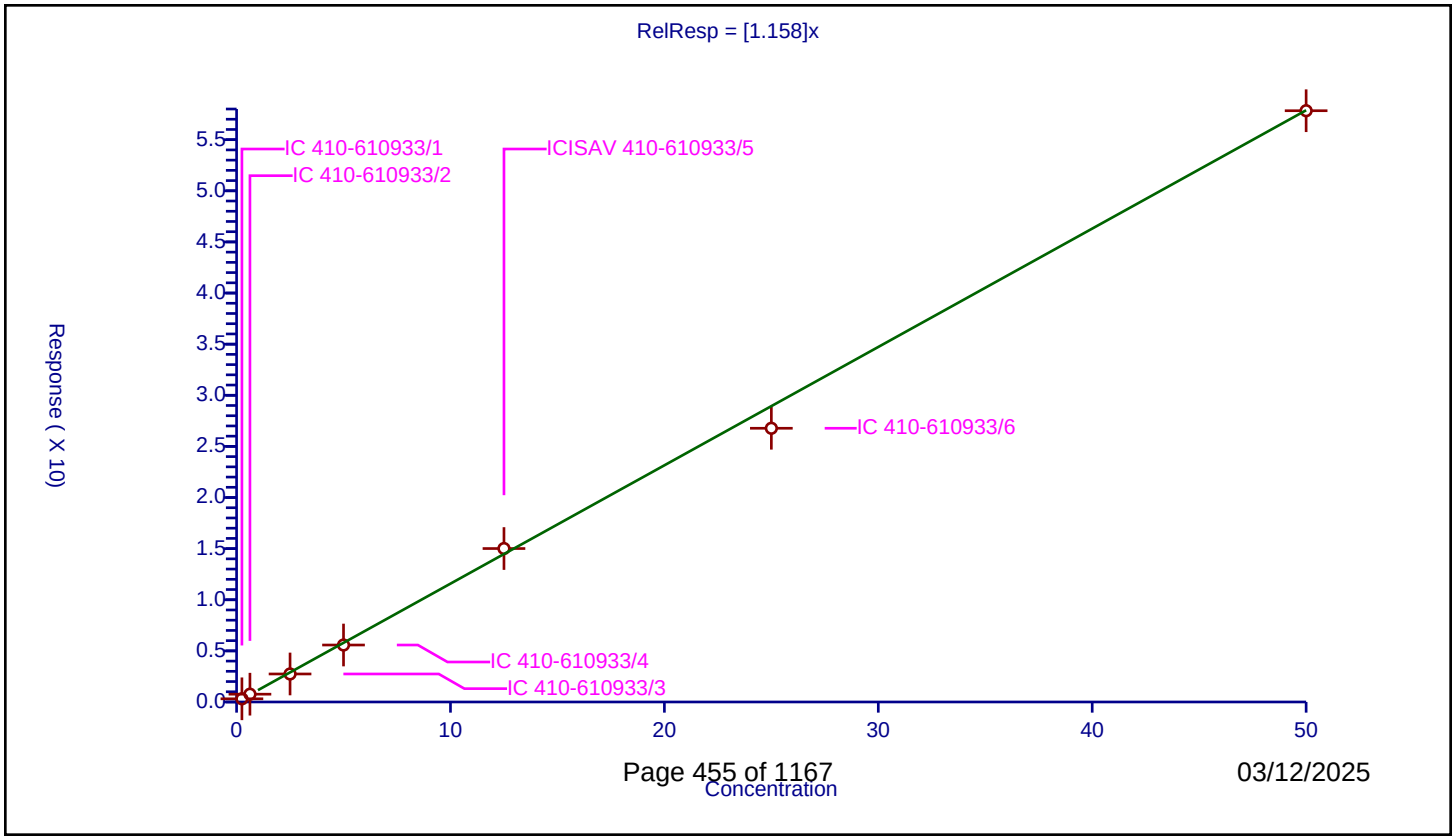
Curve Coefficients

Intercept:	0
Slope:	1.158

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.25	0.311005	5.0	773203.0	1.24402	Y
2	IC 410-610933/2	0.625	0.762143	5.0	783239.0	1.219429	Y
3	IC 410-610933/3	2.5	2.741248	5.0	751694.0	1.096499	Y
4	IC 410-610933/4	5.0	5.572415	5.0	787112.0	1.114483	Y
5	ICISAV 410-610933/5	12.5	15.008735	5.0	760700.0	1.200699	Y
6	IC 410-610933/6	25.0	26.772574	5.0	780066.0	1.070903	Y
7	IC 410-610933/7	50.0	57.832566	5.0	762789.0	1.156651	Y



Calibration / NMeFOSA

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

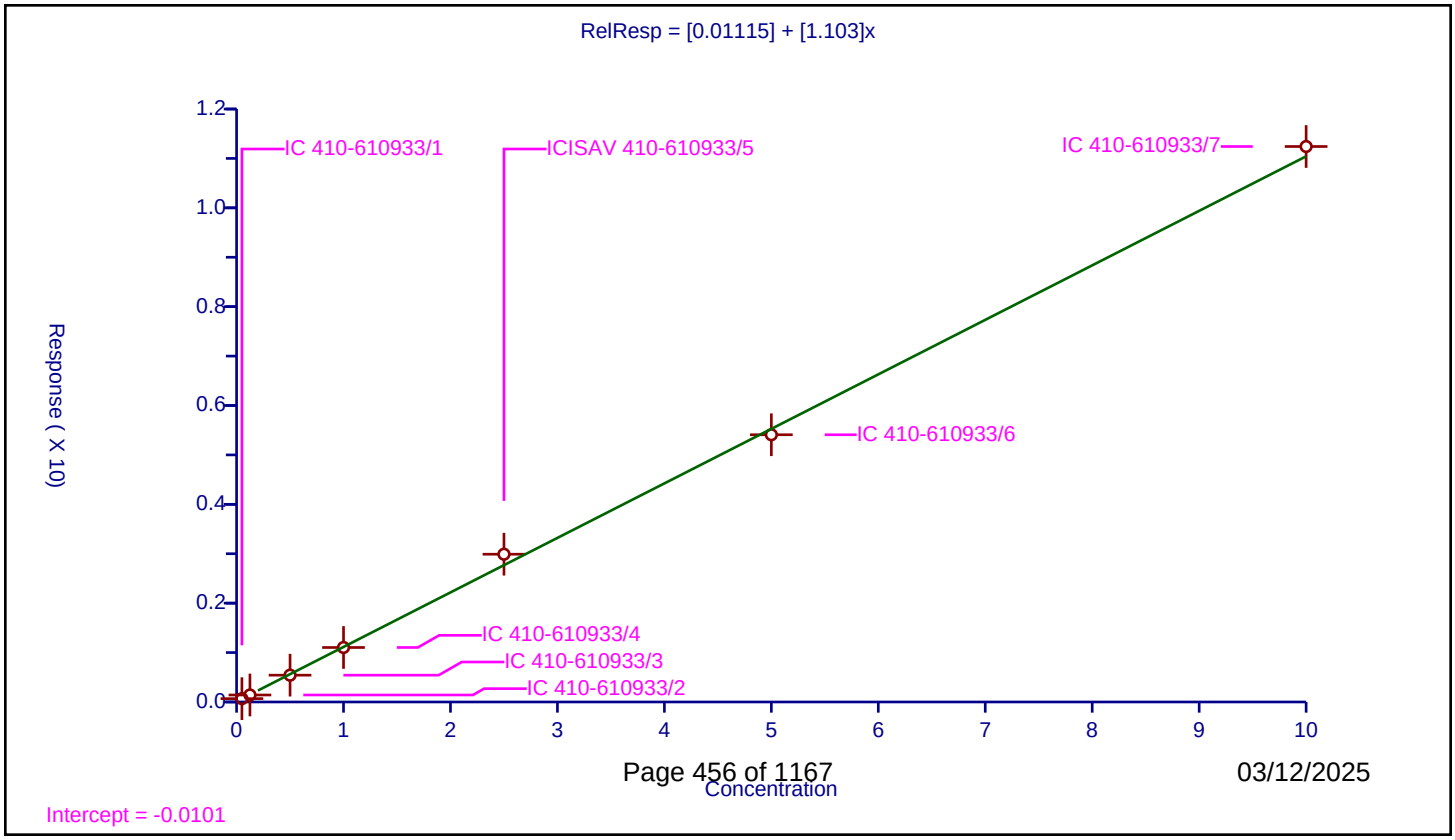
Curve Coefficients

Intercept:	0.01115
Slope:	1.103

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.05	0.067661	2.0	600371.0	1.35323	Y
2	IC 410-610933/2	0.125	0.141463	2.0	609092.0	1.131704	Y
3	IC 410-610933/3	0.5	0.542749	2.0	596876.0	1.085498	Y
4	IC 410-610933/4	1.0	1.102802	2.0	588180.0	1.102802	Y
5	ICISAV 410-610933/5	2.5	2.990553	2.0	608882.0	1.196221	Y
6	IC 410-610933/6	5.0	5.407931	2.0	597164.0	1.081586	Y
7	IC 410-610933/7	10.0	11.241408	2.0	610225.0	1.124141	Y



Calibration / 2-(N-ethylperfluoro-1-octanesulfonamido) ethanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

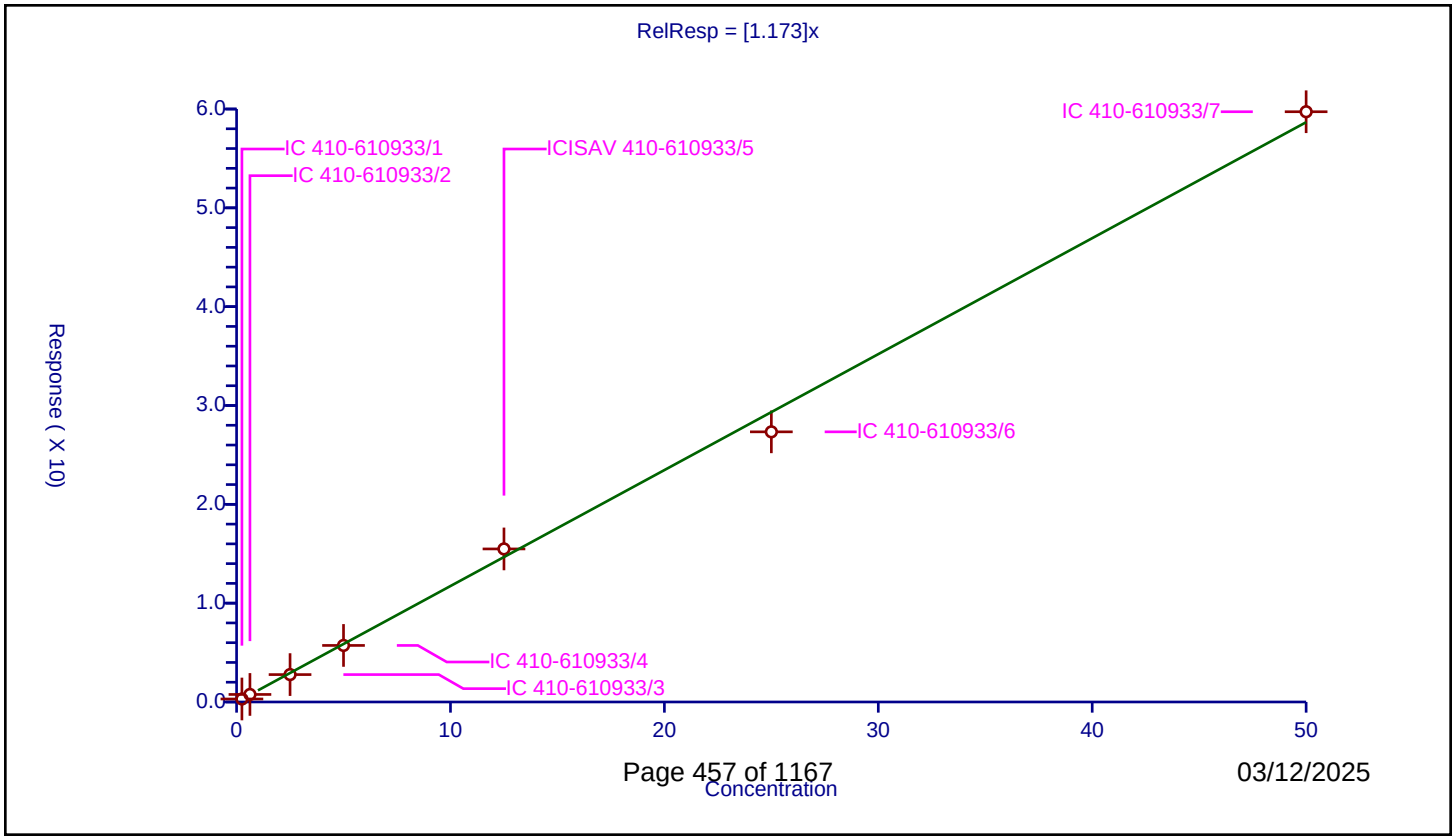
Curve Coefficients

Intercept:	0
Slope:	1.173

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.25	0.303195	5.0	985751.0	1.212781	Y
2	IC 410-610933/2	0.625	0.762211	5.0	964155.0	1.219538	Y
3	IC 410-610933/3	2.5	2.773382	5.0	943734.0	1.109353	Y
4	IC 410-610933/4	5.0	5.720827	5.0	982156.0	1.144165	Y
5	ICISAV 410-610933/5	12.5	15.486983	5.0	965086.0	1.238959	Y
6	IC 410-610933/6	25.0	27.334637	5.0	976835.0	1.093385	Y
7	IC 410-610933/7	50.0	59.724322	5.0	933008.0	1.194486	Y



Calibration / N-ethylperfluoro-1-octanesulfonamide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

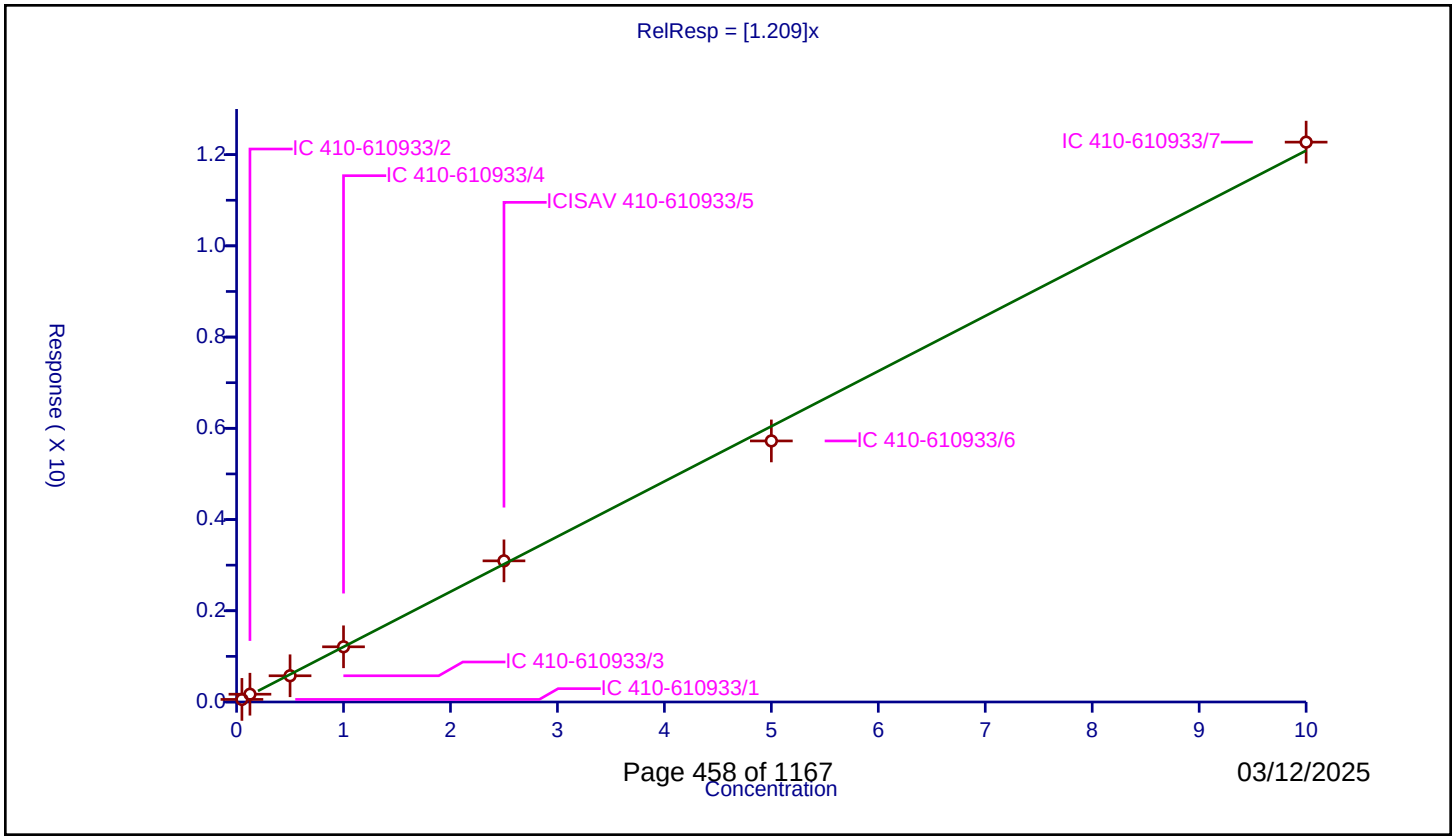
Curve Coefficients

Intercept:	0
Slope:	1.209

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.05	0.056493	2.0	693216.0	1.129864	Y
2	IC 410-610933/2	0.125	0.170394	2.0	683614.0	1.363155	Y
3	IC 410-610933/3	0.5	0.574743	2.0	642659.0	1.149487	Y
4	IC 410-610933/4	1.0	1.209979	2.0	671529.0	1.209979	Y
5	ICISAV 410-610933/5	2.5	3.094082	2.0	684757.0	1.237633	Y
6	IC 410-610933/6	5.0	5.723329	2.0	672402.0	1.144666	Y
7	IC 410-610933/7	10.0	12.273842	2.0	664114.0	1.227384	Y



Calibration / Perfluorooctadecanoic acid

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

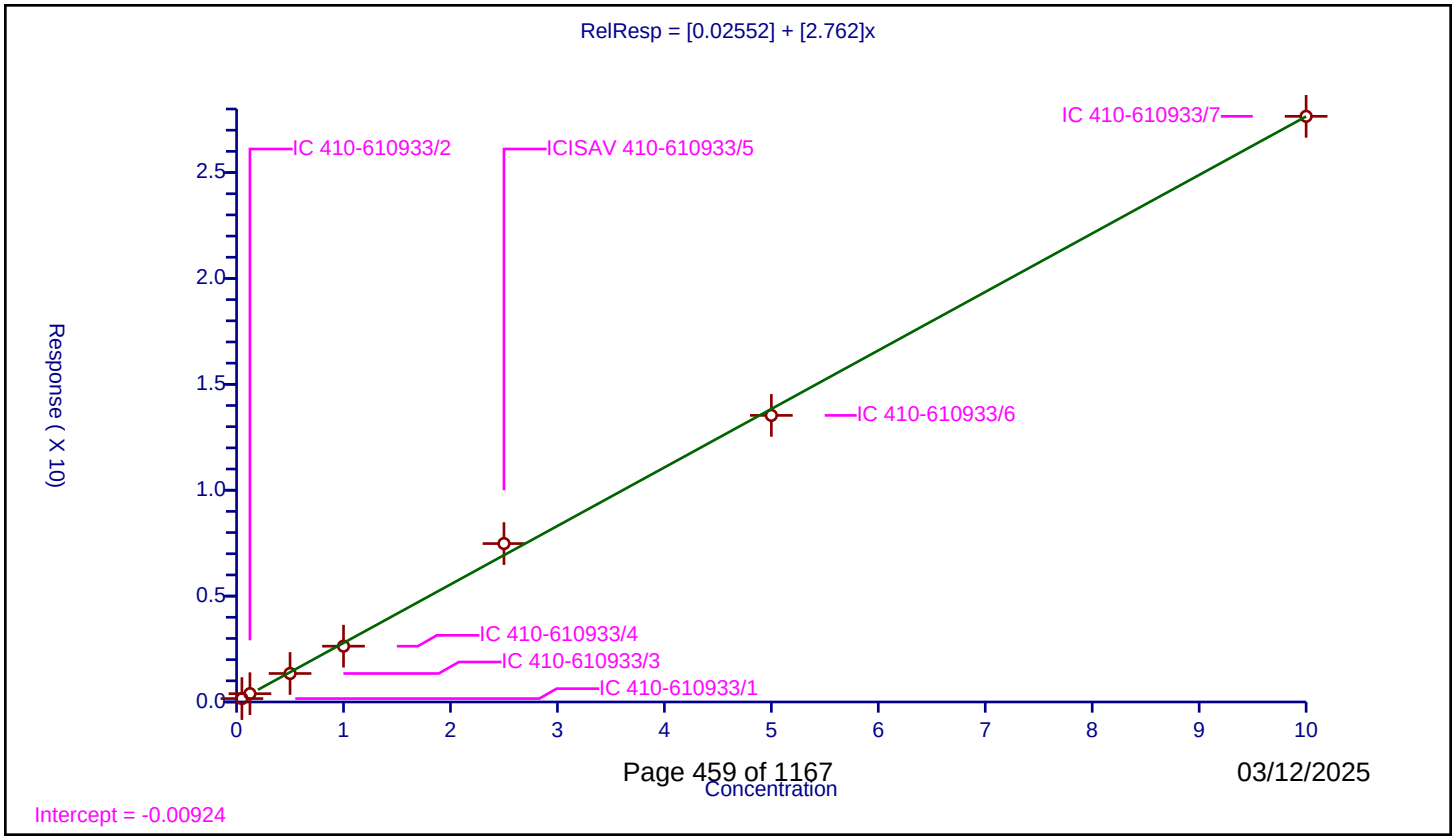
Curve Coefficients

Intercept:	0.02552
Slope:	2.762

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-610933/1	0.05	0.161106	2.0	1278918.0	3.22213	Y
2	IC 410-610933/2	0.125	0.39166	2.0	1311976.0	3.133277	Y
3	IC 410-610933/3	0.5	1.345576	2.0	1245829.0	2.691153	Y
4	IC 410-610933/4	1.0	2.634701	2.0	1347327.0	2.634701	Y
5	ICISAV 410-610933/5	2.5	7.479747	2.0	1284410.0	2.991899	Y
6	IC 410-610933/6	5.0	13.533617	2.0	1262358.0	2.706723	Y
7	IC 410-610933/7	10.0	27.654662	2.0	1249079.0	2.765466	Y



FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1 Analy Batch No.: 613974

SDG No.:

Instrument ID: 30570 GC Column: Gemini C18 5 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/06/2025 19:13 Calibration End Date: 03/06/2025 20:48 Calibration ID: 70402

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-613974/1	25MAR06CAL-01.d
Level 2	IC 410-613974/2	25MAR06CAL-02.d
Level 3	IC 410-613974/3	25MAR06CAL-03.d
Level 4	IC 410-613974/4	25MAR06CAL-04.d
Level 5	ICISAV 410-613974/5	25MAR06CAL-05.d
Level 6	IC 410-613974/6	25MAR06CAL-06.d
Level 7	IC 410-613974/7	25MAR06CAL-07.d
Level 8	IC 410-613974/8	25MAR06CAL-08.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Perfluoropropionic acid (PFPrA)	1.1328 1.0038	1.1461 1.0783	1.0369	1.0447	1.1088	AveID		1.0788				4.9		20.0			
Perfluorobutanoic acid	0.9984 0.8896	0.9959 0.9586	0.8992 0.8947	0.8974	0.9700	AveID		0.9380				5.1		20.0			
Perfluoro-3-methoxypropanoic acid	1.3467 1.2289	1.4950 1.3723	1.2435	1.2805	1.3421	AveID		1.3299				6.8		20.0			
3:3 FTCA	0.0663 0.0645	0.0729 0.0708	0.0694	0.0673	0.0716	AveID		0.0690				4.4		20.0			
Perfluoropentanoic acid	1.5480 1.1844	1.3613 1.2600	1.2670 1.0862	1.2325	1.3279	L2ID	0.0170	1.2162				6.0		20.0			
Perfluoro(4-methoxybutanoic acid)	1.4170 1.3739	1.5640 1.4453	1.3941	1.3287	1.3500	AveID		1.4104				5.6		20.0			
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	1.7793 1.7063	1.9138 1.8248	1.6866	1.7859	2.0017	AveID		1.8140				6.2		20.0			
Perfluoro-3,6-dioxaheptanoic acid	0.4233 0.3801	0.4377 0.4472	0.4306	0.4536	0.4718	AveID		0.4349				6.7		20.0			
Perfluorohexanoic acid	0.9165 0.7317	0.8415 0.8424	0.7321 0.7887	0.7856	0.9268	AveID		0.8207				9.1		20.0			
5:3 FTCA	0.0892 0.1000	0.1028 0.1243	0.0985	0.1011	0.1154	L2ID	-0.005	0.1090				9.0		20.0			
Perfluorobutanesulfonic acid	0.9462 0.8691	0.9675 0.8633	0.8819 0.8458	0.8587	0.9400	AveID		0.8966				5.2		20.0			
HFPO-DA	1.1829 1.1266	1.1344 1.1222	1.0209 0.9287	1.0844	1.0572	AveID		1.0822				7.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1 Analy Batch No.: 613974

SDG No.:

Instrument ID: 30570 GC Column: Gemini C18 5 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/06/2025 19:13 Calibration End Date: 03/06/2025 20:48 Calibration ID: 70402

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Perfluorobutanesulfonamide (FBSA)	0.5227 0.5860	0.6411 0.6533	0.5758	0.5977	0.6397	AveId		0.6023				7.7		20.0			
PFEESA	1.9930 1.8611	1.9616 2.1481	1.8466	1.8961	2.2843	AveId		1.9987				8.1		20.0			
Perfluoroheptanoic acid	0.7406 0.7080	0.7651 0.7618	0.6580 0.8122	0.6567	0.7393	AveId		0.7302				7.4		20.0			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.7103 2.4628	2.7858 2.4522	2.4778 1.7222	2.4278	2.6254	AveId		2.4580				13.2		20.0			
Perfluoropentanesulfonic acid	1.2107 1.1980	1.2862 1.1394	1.1142 1.0640	1.2397	1.3576	AveId		1.2012				7.9		20.0			
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	1.6919 1.6931	1.7637 1.9534	1.6197	1.6970	1.9378	AveId		1.7652				7.4		20.0			
Bis(trifluoromethane)sulfonamide (TFSI)	1.8146 1.9183	1.8629 1.8371	1.6450	1.9203	2.0271	AveId		1.8608				6.4		20.0			
Perfluorooctanoic acid	0.7578 0.6017	0.5919 0.6269	0.5542 0.5755	0.5767	0.6227	L2ID	0.0075	0.5838				6.6		20.0			
7:3 FTCA	0.0627 0.0792	0.0777 0.0969	0.0755	0.0802	0.0983	AveId		0.0815				15.3		20.0			
Perfluorohexanesulfonic acid	0.9938 0.8139	0.9932 0.8406	0.8539 0.8907	0.9051	0.9185	AveId		0.9012				7.4		20.0			
Perfluorononanoic acid	0.9889 0.8212	0.9613 0.9198	0.8627 0.7815	0.8195	0.8763	AveId		0.8789				8.3		20.0			
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	1.5337 1.4602	1.5552 1.4720	1.5417	1.6340	1.6516	AveId		1.5498				4.7		20.0			
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.3003 0.3072	0.3139 0.3212	0.2810	0.3210	0.3520	AveId		0.3138				7.0		20.0			
Perfluoroheptanesulfonic acid	1.2803 1.2768	1.4462 1.2565	1.2774 1.2360	1.2997	1.3053	AveId		1.2973				4.9		20.0			
NMeFOSAA	1.0410 0.9576	1.0249 1.0478	0.9755	1.0345	1.1453	AveId		1.0324				5.9		20.0			
Perfluorohexanesulfonamide (FHxSA)	1.1668 1.2415	1.2830 1.3137	1.2173	1.2441	1.3984	AveId		1.2664				5.9		20.0			
Perfluorodecanoic acid	0.7029 0.6760	0.8406 0.7755	0.6826	0.6756	0.7471	AveId		0.7286				8.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1 Analy Batch No.: 613974

SDG No.:

Instrument ID: 30570 GC Column: Gemini C18 5 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/06/2025 19:13 Calibration End Date: 03/06/2025 20:48 Calibration ID: 70402

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
NEtFOSAA	0.8165 0.8139	0.8950 0.8468	0.7693	0.8540	0.9357	AveId		0.8473				6.5		20.0			
Perfluorooctanesulfonic acid	1.5479 1.4178	1.5716 1.4462	1.4044 1.4640	1.3992	1.4286	AveId		1.4600				4.5		20.0			
Perfluoroundecanoic acid	0.5395 0.5116	0.5790 0.5882	0.4619	0.5340	0.5521	AveId		0.5380				7.9		20.0			
9-Chlorohexadecafluoro-3-oxanonane -1-sulfonic acid	1.5824 1.4909	1.5716 1.5204	1.3948	1.4676	1.5263	AveId		1.5077				4.3		20.0			
Perfluorononanesulfonic acid	1.1557 1.0870	1.2069 1.1163	1.0776	1.0945	1.1236	AveId		1.1231				4.0		20.0			
Perfluorododecanoic acid	0.7924 0.7289	0.7776 0.8090	0.7196	0.7666	0.8038	AveId		0.7711				4.6		20.0			
Perfluorooctanesulfonamide	0.9776 0.8967	1.0199 0.9330	0.8947	0.8890	0.9934	AveId		0.9435				5.7		20.0			
Perfluorodecanesulfonic acid	1.4232 1.3792	1.4570 1.4547	1.3283	1.4049	1.4411	AveId		1.4127				3.3		20.0			
Perfluorotridecanoic acid	0.9935 0.9708	1.1049 1.0690	0.9702	1.0523	1.0780	AveId		1.0341				5.3		20.0			
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	1.4776 1.3487	1.4605 1.4083	1.2532	1.2954	1.3940	AveId		1.3768				6.0		20.0			
Perfluorotetradecanoic acid	0.1773 0.1598	0.1944 0.1735	0.1685	0.1751	0.1833	AveId		0.1760				6.2		20.0			
Perfluorododecanesulfonic acid (PFDoS)	1.0292 1.1130	1.1690 1.1646	1.0618	1.1297	1.1938	AveId		1.1230				5.3		20.0			
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	2.6922 2.3479	2.5511 2.4912	2.3325	2.2432	2.4921	AveId		2.4500				6.2		20.0			
NMeFOSA	0.9921 0.8835	0.9871 0.9555	0.8466	0.8632	0.9712	AveId		0.9285				6.7		20.0			
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	3.5168 3.1569	3.4954 3.2933	3.0093	3.0398	3.3687	AveId		3.2686				6.3		20.0			
N-ethylperfluoro-1-octanesulfonamide	0.8409 0.8441	0.9514 0.8909	0.8422	0.8829	0.9297	AveId		0.8831				5.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1 Analy Batch No.: 613974

SDG No.:

Instrument ID: 30570 GC Column: Gemini C18 5 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/06/2025 19:13 Calibration End Date: 03/06/2025 20:48 Calibration ID: 70402

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Perfluoro-n-octadecanoic acid (PFODA)	1.1679 1.1637	1.2797 1.2540	1.1168	1.2667	1.3282	AveID		1.2253				6.2		20.0			
13C3 PFPrA	0.8724 0.9288	0.8992 0.9392	0.9012 +++++	0.8795	0.8987	Ave		0.9027				2.7		20.0			
13C4 PFBA	1.1187 1.0915	1.0984 1.0572	1.0735 1.0327	1.0622	1.0620	Ave		1.0745				2.5		20.0			
13C5 PFPeA	1.0463 1.0398	1.0177 0.9369	1.0399 0.8537	1.0874	0.9736	Ave		0.9994				7.5		20.0			
M2-4:2 FTS	0.2867 0.2526	0.2642 0.2355	0.2570 +++++	0.2380	0.2615	Ave		0.2565				6.7		20.0			
13C5 PFHxA	1.4775 1.4315	1.4240 1.2113	1.4252 1.1841	1.4206	1.1805	Ave		1.3443				9.5		20.0			
13C3 PFBS	1.2865 1.2736	1.2622 1.2529	1.1981 1.1702	1.2243	1.3642	Ave		1.2540				4.7		20.0			
13C3 HFPO-DA	1.2282 1.2030	1.2687 1.1324	1.3016 1.1329	1.2986	1.1814	Ave		1.2184				5.6		20.0			
13C4 PFHpA	1.3687 1.3083	1.3112 1.1518	1.3308 1.0663	1.4061	1.2468	Ave		1.2738				9.0		20.0			
M2-6:2 FTS	0.2392 0.1981	0.2231 0.1810	0.2202 +++++	0.2172	0.2220	Ave		0.2144				8.9		20.0			
13C8 PFOA	0.9901 1.0004	0.9687 0.9965	0.9960 0.9698	1.0004	1.0140	Ave		0.9920				1.6		20.0			
13C3 PFHxS	0.9864 0.9771	0.9752 0.9729	0.9471 0.9618	0.9195	1.0016	Ave		0.9677				2.6		20.0			
13C9 PFNA	1.0030 1.0181	0.9907 0.9720	0.9879 0.9543	0.9477	0.9639	Ave		0.9797				2.5		20.0			
M2-8:2 FTS	0.1920 0.1793	0.1870 0.1739	0.1751 +++++	0.1693	0.1867	Ave		0.1805				4.6		20.0			
d3-NMeFOSAA	0.6781 0.6302	0.6805 0.6073	0.6571 0.6868	0.5871	0.5924	Ave		0.6400				6.4		20.0			
13C6 PFDA	1.0499 1.0456	1.0171 1.0496	1.0128 0.9848	1.0147	0.9916	Ave		1.0208				2.5		20.0			
d5-NEtFOSAA	0.5865 0.5360	0.5518 0.5367	0.5526 0.5525	0.5042	0.5060	Ave		0.5408				5.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1 Analy Batch No.: 613974

SDG No.:

Instrument ID: 30570 GC Column: Gemini C18 5 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/06/2025 19:13 Calibration End Date: 03/06/2025 20:48 Calibration ID: 70402

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
13C8 PFOS	1.0226 1.0256	0.9866 1.0127	1.0059 0.9630	0.9410	1.0499	Ave		1.0009				3.6		20.0			
13C7 PFUnA	1.0931 1.0605	1.0767 1.1287	1.0746 1.0283	1.0178	1.0267	Ave		1.0633				3.6		20.0			
13C2 PFDoA	0.9222 0.9609	0.9345 0.9705	0.9167 0.8788	0.8560	0.8818	Ave		0.9152				4.4		20.0			
13C8 FOSA	0.9718 1.1308	1.0500 1.1568	1.0710 +++++	1.0376	1.0821	Ave		1.0714				5.7		20.0			
13C2 PFTeDA	0.6072 0.6979	0.6308 0.7596	0.6325 0.6187	0.6108	0.6398	Ave		0.6497				8.1		20.0			
d7-N-MeFOSE-M	0.1518 0.1579	0.1519 0.1642	0.1483 +++++	0.1431	0.1596	Ave		0.1538				4.7		20.0			
d3-NMePFOSA	0.3340 0.3735	0.3383 0.3799	0.3481 +++++	0.3334	0.3620	Ave		0.3527				5.4		20.0			
d9-N-EtFOSE-M	0.1928 0.1988	0.1880 0.2031	0.1901 +++++	0.1831	0.1970	Ave		0.1933				3.5		20.0			
d5-NEtPFOSA	0.4838 0.5108	0.4704 0.5232	0.4518 +++++	0.4449	0.4973	Ave		0.4832				6.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-209941-1 | Analy Batch No.: 613974

SDG No.:

Instrument ID: 30570 | GC Column: Gemini C18 ID: 3(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/06/2025 19:13 | Calibration End Date: 03/06/2025 20:48 | Calibration ID: 70402

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-613974/1	25MAR06CAL-01.d
Level 2	IC 410-613974/2	25MAR06CAL-02.d
Level 3	IC 410-613974/3	25MAR06CAL-03.d
Level 4	IC 410-613974/4	25MAR06CAL-04.d
Level 5	ICISAV 410-613974/5	25MAR06CAL-05.d
Level 6	IC 410-613974/6	25MAR06CAL-06.d
Level 7	IC 410-613974/7	25MAR06CAL-07.d
Level 8	IC 410-613974/8	25MAR06CAL-08.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Perfluoropropionic acid (PFPrA)		AveID	243210 19305526	634728 42255218	1510300	4551290	12033954	0.250 25.0	0.625 50.0	2.50	5.00	12.5
Perfluorobutanoic acid		AveID	109937 8042538	269481 16914858	624094 47813647	1888623	4975720	0.100 10.0	0.250 20.0	1.00 100	2.00	5.00
Perfluoro-3-methoxypropanoic acid		AveID	54363 4369345	146050 10154024	323666	1016195	2749735	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
3:3 FTCA		AveID	5352 459006	14246 1047543	36116	106865	293540	0.100 10.0	0.250 20.0	1.00	2.00	5.00
Perfluoropentanoic acid		L2ID	62491 4211043	132993 9323158	329778 27912864	978096	2720638	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
Perfluoro(4-methoxybutanoic acid)		AveID	57203 4884763	152794 10694549	362852	1054382	2765933	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)		AveID	28764 2180813	72622 4774926	168961	497395	1424175	0.0934 9.34	0.234 18.7	0.934	1.87	4.67
Perfluoro-3,6-dioxaheptanoic acid		AveID	24130 1860757	59834 4278235	153578	470283	1172117	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorohexanoic acid		AveID	52247 3581599	115025 8059217	261149 28113077	814521	2302506	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
5:3 FTCA		L2ID	25412 2447125	70230 5946887	175682	524248	1433090	0.250 25.0	0.625 50.0	2.50	5.00	12.5
Perfluorobutanesulfonic acid		AveID	32630 2662555	83380 5714648	195778 18917323	584774	1658396	0.0444 4.44	0.111 8.88	0.444 44.4	0.888	2.22
HFPO-DA		AveID	42042 3475843	103617 7527575	249438 31672210	770790	1971196	0.0375 3.75	0.0938 7.50	0.375 50.0	0.750	1.88
Perfluorobutanesulfonamide (FBSA)		AveID	20297 2021692	62219 4869815	143943	458400	1271073	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
PFEESA		AveID	101341 8126120	239181 18330731	587539	1753510	5061782	0.0446 4.46	0.112 8.92	0.446	0.892	2.23

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1 Analy Batch No.: 613974

SDG No.:

Instrument ID: 30570 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/06/2025 19:13 Calibration End Date: 03/06/2025 20:48 Calibration ID: 70402

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Perfluoroheptanoic acid		AveID	39110 3167171	96304 6930071	219163 26070608	673871	1939776	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		AveID	121500 9583895	320946 20746817	763606 41672715	2176584	6174525	0.0473 4.73	0.118 9.46	0.473 35.5	0.946	2.37
Perfluoropentanesulfonic acid		AveID	33886 2980736	90655 6199026	206979 20704788	671240	1861584	0.0470 4.70	0.118 9.40	0.470 47.0	0.940	2.35
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)		AveID	23161 1722377	57365 3987445	141107	437811	1187976	0.0948 9.48	0.237 19.0	0.948	1.90	4.74
Bis(trifluoromethane)sulfonamide (TFSI)		AveID	52897 4970627	136755 10410007	318263	1082922	2894950	0.0490 4.90	0.122 9.79	0.490	0.979	2.45
Perfluorooctanoic acid		L2ID	46689 2980894	93322 6814681	222990 23727609	665679	1838928	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
7:3 FTCA		AveID	17869 1938526	53097 4634774	134677	415725	1220879	0.250 25.0	0.625 50.0	2.50	5.00	12.5
Perfluorohexanesulfonic acid		AveID	26987 1964632	67917 4437263	153896 16814905	475497	1221957	0.0456 4.56	0.114 9.12	0.456 45.6	0.912	2.28
Perfluorononanoic acid		AveID	55708 3817379	135199 8865591	307418 28577257	861464	2366763	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)		AveID	17034 1358801	42835 2918649	107951	331969	860378	0.0958 9.58	0.240 19.2	0.958	1.92	4.79
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)		AveID	8263 751359	21746 1717726	51310	170873	474501	0.0462 4.62	0.116 9.24	0.462	0.924	2.31
Perfluoroheptanesulfonic acid		AveID	30329 2616720	83295 5479238	197922 19184946	595409	1579945	0.0477 4.77	0.119 9.54	0.477 47.7	0.954	2.39
NMeFOSAA		AveID	17142 1264196	42677 2872156	103497	309981	819992	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorohexanesulfonamide (FHxSA)		AveID	34741 3286086	96201 7603608	240564	716608	2039950	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorodecanoic acid		AveID	38551 2997348	106319 6815442	225869	679100	1858420	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
NEtFOSAA		AveID	11628 913869	30219 2051503	68630	219735	572128	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorooctanesulfonic acid		AveID	35746 2832494	88243 6147920	212124 22152137	624896	1685648	0.0465 4.65	0.116 9.30	0.465 46.5	0.930	2.33
Perfluoroundecanoic acid		AveID	30805 2300732	77524 5558893	162165	538296	1422126	0.0500 5.00	0.125 10.0	0.500	1.00	2.50

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-209941-1 | Analy Batch No.: 613974

SDG No.:

Instrument ID: 30570 | GC Column: Gemini C18 ID: 3(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/06/2025 19:13 | Calibration End Date: 03/06/2025 20:48 | Calibration ID: 70402

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid		AveID	70040 5727989	178771 12700144	424388	1299058	3544232	0.0467 4.67	0.117 9.34	0.467	0.934	2.34
Perfluorononanesulfonic acid		AveID	27607 2246454	70096 4909035	168365	505625	1371475	0.0481 4.81	0.120 9.62	0.481	0.962	2.41
Perfluorododecanoic acid		AveID	38173 2970071	90361 6574225	215521	650046	1778265	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorooctanesulfonamide		AveID	23071 2124039	65533 4871854	154706	470730	1299041	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorodecanesulfonic acid		AveID	34069 2856185	84798 6410249	207967	650373	1762642	0.0482 4.82	0.121 9.64	0.482	0.964	2.41
Perfluorotridecanoic acid		AveID	39686 3414300	107533 7743204	245520	764508	2057502	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid		AveID	66099 5237407	167909 11889630	385396	1158866	3271559	0.0472 4.72	0.118 9.44	0.472	0.944	2.36
Perfluorotetradecanoic acid		AveID	5622 473018	15252 1103655	34823	105966	294136	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorododecanesulfonic acid (PFDoS)		AveID	24791 2319136	68456 5164000	167267	526211	1469247	0.0485 4.85	0.121 9.70	0.485	0.970	2.43
2-(N-methylperfluoro-1-octanesulfonamido) ethanol		AveID	49614 3882584	118541 9233238	279289	818890	2403182	0.250 25.0	0.625 50.0	2.50	5.00	12.5
NMeFOSA		AveID	8048 691156	20433 1638614	47578	146872	424891	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol		AveID	82308 6571763	201049 15092836	461920	1420537	4009659	0.250 25.0	0.625 50.0	2.50	5.00	12.5
N-ethylperfluoro-1-octanesulfonamide		AveID	9879 903085	27383 2103964	61429	200460	558705	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluoro-n-octadecanoic acid (PFODA)		AveID	37043 3443445	100383 7976329	230793	766378	2131841	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
13C3 PFPrA	13C3PFBA	Ave	1717558 1538598	1772201 1567475	1165259 +++++	1742594	1736444	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1 Analy Batch No.: 613974

SDG No.:

Instrument ID: 30570 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/06/2025 19:13 Calibration End Date: 03/06/2025 20:48 Calibration ID: 70402

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
13C4 PFBA	13C3PFBA	Ave	2202311 1808060	2164810 1764467	1388164 1068837	2104634	2051943	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C5 PFPeA	PFHxA	Ave	1614711 1422173	1563077 1479880	1041111 1027937	1587124	1639111	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
M2-4:2 FTS	PFHxS	Ave	811754 641771	762194 656990	503048 +++++	699278	714533	4.69 4.69	4.69 4.69	4.69 +++++	4.69	4.69
13C5 PFHxA	PFHxA	Ave	2280214 1957980	2187078 1913330	1426776 1425840	2073535	1987398	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C3 PFBS	PFHxS	Ave	1447727 1286153	1447206 1389461	931951 938952	1429529	1481395	1.86 1.86	1.86 1.86	1.86 1.86	1.86	1.86
13C3 HFPO-DA	PFHxA	Ave	1895526 1645426	1948578 1788719	1303079 1364161	1895405	1988897	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C4 PFHpA	PFHxA	Ave	2112281 1789460	2013862 1819321	1332307 1283982	2052374	2098920	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
M2-6:2 FTS	PFHxS	Ave	687350 510779	653256 512462	437434 +++++	647689	615645	4.76 4.76	4.76 4.76	4.76 +++++	4.76	4.76
13C8 PFOA	PFOA	Ave	2464544 1981579	2522483 2174182	1609581 1649211	2308411	2362502	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C3 PFHxS	PFHxS	Ave	1129087 1003667	1137347 1097408	749392 784982	1092134	1106325	1.90 1.90	1.90 1.90	1.90 1.90	1.90	1.90
13C9 PFNA	PFNA	Ave	2253244 1859452	2250273 1927748	1425322 1462646	2102501	2160669	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
M2-8:2 FTS	PFHxS	Ave	556491 466241	552026 496736	350829 +++++	508981	522025	4.80 4.80	4.80 4.80	4.80 +++++	4.80	4.80
d3-NMeFOSAA	PFOS	Ave	1646764 1320132	1665552 1370588	1060968 1160316	1498179	1431923	5.00 5.00	5.00 5.00	5.00 5.00	5.00	5.00
13C6 PFDA	PFDA	Ave	2193695 1773523	2023658 1757786	1323549 1686993	2010278	1990077	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
d5-NEtFOSAA	PFOS	Ave	1424109 1122780	1350551 1211318	892131 933364	1286486	1222944	5.00 5.00	5.00 5.00	5.00 5.00	5.00	5.00
13C8 PFOS	PFOS	Ave	949557 821469	923467 874001	621052 622154	918158	970357	1.91 1.91	1.91 1.91	1.91 1.91	1.91	1.91
13C7 PFUnA	PFDA	Ave	2283960 1798694	2142263 1890136	1404246 1761603	2016271	2060698	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C2 PFDoA	PFDA	Ave	1926898 1629794	1859374 1625286	1197936 1505425	1695866	1769797	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C8 FOSA	PFOS	Ave	943971 947448	1028060 1044307	691663 +++++	1059017	1046153	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00
13C2 PFTeDA	PFDA	Ave	1268671	1255079	826599	1210061	1284045	2.00	2.00	2.00	2.00	2.00

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1 Analy Batch No.: 613974

SDG No.:

Instrument ID: 30570 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/06/2025 19:13 Calibration End Date: 03/06/2025 20:48 Calibration ID: 70402

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			1183668	1272143	1059869			2.00	2.00	2.00		
d7-N-MeFOSE-M	PFOS	Ave	368574	371730	239473	365061	385729	5.00	5.00	5.00	5.00	5.00
			330722	370641	+++++			5.00	5.00	+++++		
d3-NMePFOSA	PFOS	Ave	324473	331187	224799	340289	350008	2.00	2.00	2.00	2.00	2.00
			312918	343002	+++++			2.00	2.00	+++++		
d9-N-EtFOSE-M	PFOS	Ave	468084	460145	306998	467305	476108	5.00	5.00	5.00	5.00	5.00
			416337	458287	+++++			5.00	5.00	+++++		
d5-NEtPFOSA	PFOS	Ave	469911	460529	291766	454086	480746	2.00	2.00	2.00	2.00	2.00
			427977	472348	+++++			2.00	2.00	+++++		

Curve Type Legend:

Ave = Average ISTD
AveID = Average isotope dilution
L2ID = Linear 1/conc^2 IsoDil

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\25MAR06CAL-01.d
Lims ID: IC CAL 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 06-Mar-2025 19:13:41 ALS Bottle#: 2 Worklist Smp#: 1
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: CAL 1
Misc. Info.: Plate: 1 Rack: 1
Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570
Sublist: chrom-30570-1633-125ml*sub2

Method: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\30570-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 07-Mar-2025 18:44:59 Calib Date: 06-Mar-2025 20:48:33
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\25MAR06CAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1645

First Level Reviewer: RPU6 Date: 06-Mar-2025 19:52:16
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C3PFPrA										
166.00 > 121.00	2.042	2.026	0.016	0.495	1717558	1.93		96.6	384	
2 Perfluoropropionic acid										
163.00 > 119.00	2.025	2.026	-0.001	0.992	243210	0.2625		105	3.5	
5 PFBA										
212.80 > 168.90	4.121	4.119	0.002	0.998	109937	0.1064		106	117	
D 3 13C4-PFBA										
216.80 > 171.90	4.129	4.119	0.010	1.000	2202311	2.08		104	65436	
* 4 13C3PFBA										
216.00 > 172.00	4.129	4.127	0.002		1968700	2.00			2575	
6 PFMPA										
229.00 > 84.90	4.433	4.430	0.003	0.930	54363	0.0506		101	2435	
7 3:3 FTCA										
241.00 > 177.00	4.443	4.439	0.004	0.932	5352	0.0961	Target=1.52	96.1	400	
241.00 > 117.00	4.443	4.439	0.004	0.932	3258		1.64(0.76-2.29)	96.1	186	
D 8 13C5 PFPeA										
268.30 > 223.00	4.767	4.755	0.012	0.909	1614711	2.09		105	105203	
9 PFPA										
263.00 > 219.00	4.767	4.762	0.005	1.000	62491	0.0497		99.4	1626	
10 PFMBA										
279.00 > 85.10	4.924	4.926	-0.002	1.033	57203	0.0502		100	4139	
11 4:2FTS										
327.10 > 307.00	5.056	5.049	0.007	1.000	28764	0.0916	Target=1.60	98.1	2176	
327.10 > 80.90	5.056	5.049	0.007	1.000	17578		1.64(0.80-2.40)	98.1	482	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.056	5.049	0.007	0.801	811754	5.24		112	45368	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.203	5.196	0.007	0.992	24130	0.0487	Target=1.56	97.3	1698	
295.00 > 84.90	5.203	5.196	0.007	0.992	16915		1.43(0.78-2.33)	97.3	1205	
17 PFHxA										
313.00 > 269.00	5.244	5.236	0.008	1.000	52247	0.0558	Target=10.95	112	1550	
313.00 > 118.90	5.244	5.236	0.008	1.000	5118		10.21(5.48-16.43)	112	356	
* 16 13C2 PFHxA										
315.10 > 270.00	5.244	5.236	0.008		3858206	5.00			159943	
D 15 13C5 PFHxA										
318.00 > 273.00	5.244	5.236	0.008	1.000	2280214	2.20		110	118091	
18 5:3 FTCA										
341.00 > 237.10	5.329	5.321	0.008	1.016	25412	0.2508	Target=0.72	100	1725	
341.00 > 217.00	5.329	5.321	0.008	1.016	36507		0.70(0.36-1.08)	100	2519	
D 20 13C3 PFBS										
302.10 > 79.90	5.384	5.385	-0.001	0.853	1447727	1.91		103	105460	
19 PFBS										
298.70 > 79.90	5.384	5.385	-0.001	1.000	32630	0.0469	Target=2.90	106	2454	
298.70 > 98.80	5.384	5.385	-0.001	1.000	10446		3.12(1.45-4.35)	106	744	
21 HFPO-DA										
284.90 > 168.90	5.430	5.431	-0.001	1.000	42042	0.0410	Target=2.63	109	1776	
284.90 > 184.90	5.430	5.431	-0.001	1.000	15381		2.73(1.32-3.95)	109	1082	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.430	5.431	-0.001	1.036	1895526	2.02		101	99749	
23 FBSA										
297.90 > 78.00	5.451	5.441	0.010	1.012	20297	0.0434		86.8	1343	
26 PFEESA										
314.80 > 134.90	5.629	5.630	-0.001	1.074	101341	0.0445	Target=12.49	99.7	6904	
314.80 > 82.90	5.629	5.630	-0.001	1.074	7415		13.67(6.24-18.74)	99.7	506	
28 PFHpA										
363.10 > 319.00	5.680	5.681	-0.001	1.000	39110	0.0507	Target=1.89	101	1969	
363.10 > 169.00	5.680	5.681	-0.001	1.000	22594		1.73(0.95-2.84)	101	1520	
D 27 13C4 PFHpA										
367.10 > 322.00	5.680	5.681	-0.001	1.083	2112281	2.15		107	106823	
29 ADONA										
376.90 > 250.90	5.836	5.836	0.0	1.075	121500	0.0522	Target=2.13	110	8663	
376.90 > 84.80	5.836	5.836	0.0	1.075	52992		2.29(1.07-3.20)	110	3790	
30 PFPeS										
349.10 > 79.90	5.872	5.872	0.0	0.930	33886	0.0474	Target=3.41	101	2408	
349.10 > 98.90	5.872	5.872	0.0	0.930	10491		3.23(1.70-5.11)	101	739	
31 6:2FTS										
427.10 > 407.00	5.882	5.882	0.0	1.000	23161	0.0909	Target=1.64	95.8	1640	
427.10 > 80.90	5.872	5.882	-0.010	0.998	13443		1.72(0.82-2.45)	95.8	1000	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.882	5.882	0.0	0.932	687350	5.31		112	49244	
33 BTS										
280.00 > 147.00	6.044	6.043	0.001	0.957	52897	0.0477		97.5	3995	
D 34 13C8 PFOA										
421.10 > 376.00	6.085	6.085	0.0	0.999	2464544	2.00		99.8	138673	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
36 PFOA										
413.00 > 369.00	6.094	6.085	0.009	1.001	46689	0.0521	Target=1.63	104	80.5	
413.00 > 169.00	6.085	6.085	0.0	1.000	26000		1.80(0.82-2.45)	104	51.1	
* 35 13C4 PFOA										
417.10 > 372.00	6.094	6.093	0.001		6223243	5.00			15130	
37 7:3 FTCA										
441.00 > 316.90	6.164	6.181	-0.017	1.175	17869	0.1923	Target=0.59	76.9	1293	
441.00 > 336.90	6.164	6.181	-0.017	1.175	33286		0.54(0.29-0.88)	76.9	2381	
D 39 13C3 PFHxS										
402.10 > 79.90	6.313	6.321	-0.008	1.000	1129087	1.93		102	80622	
* 38 18O2 PFHxS										
403.00 > 83.90	6.313	6.321	-0.008		1142204	1.89			81386	
40 PFHxS										
398.70 > 79.90	6.331	6.330	0.001	1.003	26987	0.0503	Target=3.32	110	78.2	
398.70 > 98.90	6.322	6.330	-0.008	1.001	7626		3.54(1.66-4.98)	110	29.1	
* 41 13C5 PFNA										
468.00 > 423.00	6.490	6.499	-0.009		2246608	2.00			157419	
43 PFNA										
463.00 > 419.00	6.490	6.499	-0.009	1.000	55708	0.0563	Target=2.60	113	133	
463.00 > 219.00	6.499	6.499	0.0	1.001	20369		2.73(1.30-3.91)	113	38.3	
D 42 13C9 PFNA										
472.10 > 427.00	6.490	6.499	-0.009	1.000	2253244	2.05		102	118554	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.678	6.686	-0.008	1.058	556491	5.11		106	39420	
44 8:2FTS										
527.10 > 507.00	6.678	6.686	-0.008	1.000	17034	0.0948	Target=1.64	99.0	1247	
527.10 > 80.80	6.678	6.686	-0.008	1.000	10631		1.60(0.82-2.45)	99.0	742	
46 PFECHS										
461.00 > 381.00	6.713	6.723	-0.010	1.063	8263	0.0442	Target=0.25	95.7	587	
461.00 > 99.00	6.713	6.723	-0.010	1.063	35962		0.23(0.13-0.38)	95.7	2490	
47 PFHpS										
449.00 > 79.90	6.743	6.760	-0.017	0.941	30329	0.0471	Target=3.90	98.7	2073	
449.00 > 98.80	6.752	6.760	-0.008	0.942	6470		4.69(1.95-5.85)	98.7	438	
D 48 d3-NMeFOSAA										
573.20 > 419.00	6.835	6.843	-0.008	0.954	1646764	5.30		106	85768	
49 NMeFOSAA										
570.10 > 419.00	6.835	6.853	-0.018	1.000	17142	0.0504	Target=1.75	101	58.9	
570.10 > 483.00	6.844	6.853	-0.009	1.001	10830		1.58(0.87-2.62)	101	40.0	
53 FHxSA										
397.90 > 78.00	6.844	6.874	-0.030	1.084	34741	0.0461		92.1	2183	
* 50 13C2 PFDA										
515.10 > 470.10	6.902	6.911	-0.009		2089472	2.00			109865	
D 51 13C6 PFDA										
519.10 > 474.10	6.902	6.911	-0.009	1.000	2193695	2.06		103	115214	
52 PFDA										
512.90 > 469.00	6.902	6.920	-0.018	1.000	38551	0.0482	Target=4.00	96.5	2690	
512.90 > 219.00	6.902	6.920	-0.018	1.000	10324		3.73(2.00-6.00)	96.5	725	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.013	7.033	-0.020	0.979	1424109	5.42		108	98275	
55 NEtFOSAA										M
584.20 > 419.10	7.023	7.043	-0.020	1.001	11628	0.0482	Target=1.50	96.4	23.5	M
584.20 > 526.00	7.013	7.043	-0.030	1.000	8049		1.44(0.75-2.25)	96.4	32.1	M
D 56 13C8 PFOS										
507.10 > 79.90	7.165	7.184	-0.019	1.000	949557	1.95		102	64148	
* 57 13C4 PFOS										
502.80 > 79.90	7.165	7.184	-0.019		928596	1.91			63056	
58 PFOS										
498.90 > 79.90	7.174	7.184	-0.010	1.001	35746	0.0493	Target=4.37	106	7951	
498.90 > 98.80	7.174	7.184	-0.010	1.001	7906		4.52(2.18-6.55)	106	30.7	
60 PFUnA										
563.10 > 519.00	7.317	7.326	-0.009	1.001	30805	0.0501	Target=3.87	100	2122	
563.10 > 269.10	7.317	7.326	-0.009	1.001	8219		3.75(1.93-5.80)	100	571	
D 59 13C7 PFUnA										
570.00 > 525.10	7.308	7.326	-0.018	1.059	2283960	2.06		103	95880	
61 9ClFOS										
530.80 > 351.00	7.491	7.497	-0.006	1.379	70040	0.0490	Target=2.97	105	5428	
532.80 > 353.00	7.491	7.497	-0.006	1.379	22498		3.11(1.48-4.45)	105	1759	
62 PFNS										
548.80 > 79.90	7.584	7.600	-0.016	1.058	27607	0.0495	Target=3.70	103	1995	
548.80 > 98.80	7.584	7.600	-0.016	1.058	7135		3.87(1.85-5.55)	103	515	
D 81 13C2 PFDoA										
615.10 > 570.00	7.723	7.739	-0.016	1.119	1926898	2.02		101	83922	
63 PFDoA										
613.10 > 569.00	7.723	7.739	-0.016		38173	0.0514	Target=4.68	103	2838	
613.10 > 319.00	7.723	7.739	-0.016		8363		4.56(2.34-7.01)	103	589	
64 PFOSA										M
498.10 > 77.90	7.928	7.944	-0.016	1.001	23071	0.0518	Target=50.02	104	85.1	M
498.10 > 478.00	7.889	7.944	-0.055	0.996	384		60.08(25.01-75.03)	104	4.0	M
D 65 13C8 FOSA										
506.10 > 77.80	7.920	7.944	-0.024	1.105	943971	1.81		90.7	51653	
66 PFDS										
599.00 > 79.90	7.991	8.007	-0.016	1.115	34069	0.0486	Target=3.88	101	2664	
599.00 > 98.80	7.991	8.007	-0.016	1.115	8885		3.83(1.94-5.82)	101	661	
67 PFTrDA										
663.00 > 619.00	8.133	8.148	-0.015	0.953	39686	0.0480	Target=4.52	96.1	3140	
663.00 > 168.90	8.133	8.148	-0.015	0.953	9686		4.10(2.26-6.79)	96.1	760	
68 11ClFOS										
630.90 > 450.90	8.314	8.321	-0.007	1.531	66099	0.0507	Target=2.95	107	5303	
632.90 > 452.90	8.314	8.321	-0.007	1.531	23133		2.86(1.47-4.42)	107	1896	
70 PFTeDA										
713.10 > 168.90	8.536	8.548	-0.012	1.000	5622	0.0504	Target=0.91	101	328	
713.10 > 219.00	8.536	8.548	-0.012	1.000	6329		0.89(0.45-1.36)	101	366	
D 69 13C2 PFTeDA										
715.20 > 670.00	8.536	8.548	-0.012	1.237	1268671	1.87		93.5	74258	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
71 PFDoS										
699.10 > 79.90	8.746	8.760	-0.014	1.221	24791	0.0445	Target=4.00	91.7	1293	
699.10 > 98.80	8.746	8.760	-0.014	1.221	7148		3.47(2.00-6.00)	91.7	383	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.774	8.789	-0.015	1.225	368574	4.93		98.7	7159	
73 N-MeFOSE-M										
616.10 > 58.90	8.803	8.818	-0.015	1.003	49614	0.2747		110	247	
D 74 d3-NMePFOSA										
515.00 > 219.00	8.899	8.913	-0.014	1.242	324473	1.89		94.7	17912	
75 NMeFOSA										
511.90 > 219.00	8.912	8.926	-0.014	1.001	8048	0.0534	Target=0.65	107	64.1	
511.90 > 169.00	8.817	8.926	-0.109	0.991	13305		0.60(0.32-0.97)	107	55.5	
D 76 d9-N-EtFOSE										
639.20 > 58.90	9.019	9.032	-0.013	1.259	468084	4.99		99.7	8027	
77 N-EtFOSE-M										
630.00 > 58.90	9.045	9.059	-0.014	1.003	82308	0.2690		108	89.1	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.119	9.119	0.0	1.273	469911	2.00		100	21613	
79 N-EtFOSA-M										
526.00 > 219.00	9.131	9.143	-0.012	1.001	9879	0.0476	Target=0.82	95.2	93.3	
526.00 > 169.00	9.131	9.143	-0.012	1.001	12613		0.78(0.41-1.23)	95.2	91.5	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.563	9.563	0.0	1.120	37043	0.0477	Target=13.85	95.3	3391	
913.00 > 169.00	9.563	9.563	0.0	1.120	2657		13.94(6.92-20.77)	95.3	243	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_CAL1_00037 Amount Added: 1.00 Units: mL

Report Date: 07-Mar-2025 18:45:00 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\25MAR06CAL-01.d

Injection Date: 06-Mar-2025 19:13:41 Instrument ID: 30570

Lims ID: IC CAL 1

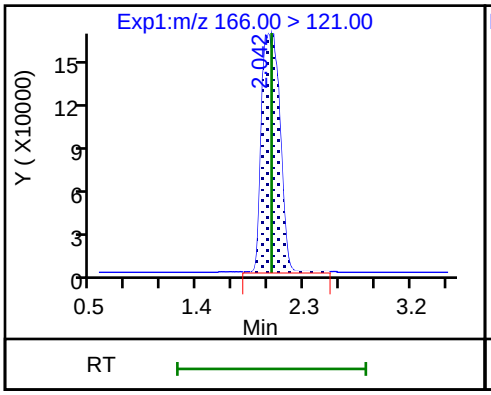
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Operator ID: ETUS023_USR_INS00003 ALS Bottle#: 2 Worklist Smp#: 1

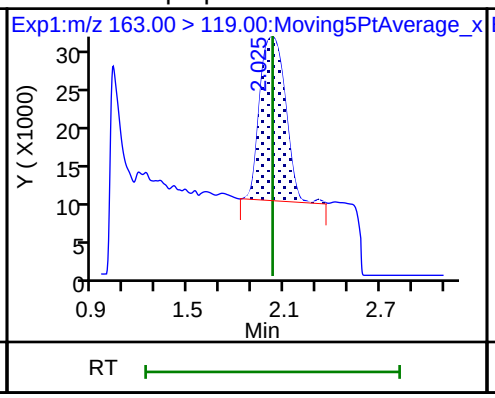
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 30570-1633-125ml Limit Group: LC - 1633 LVI- ICAL

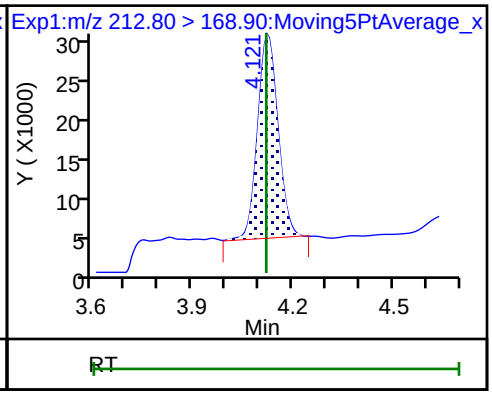
D 1 13C3PFPrA



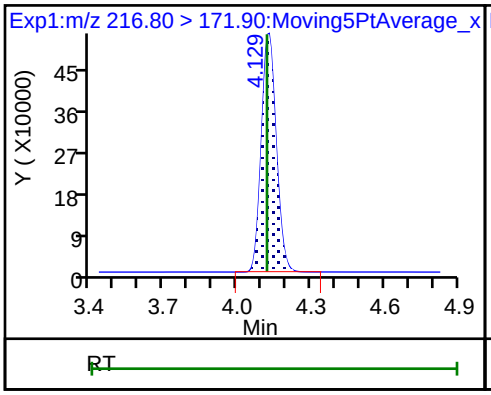
2 Perfluoropropionic acid



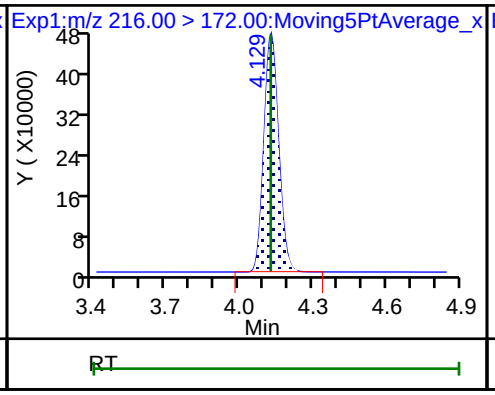
5 PFBA



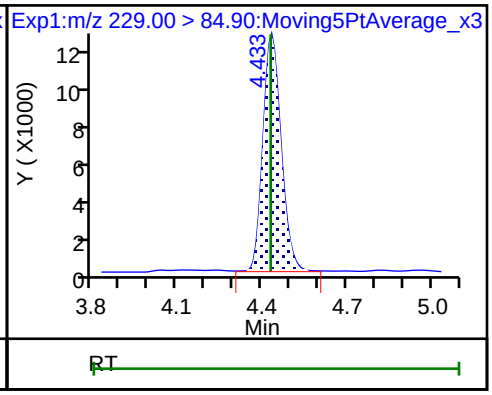
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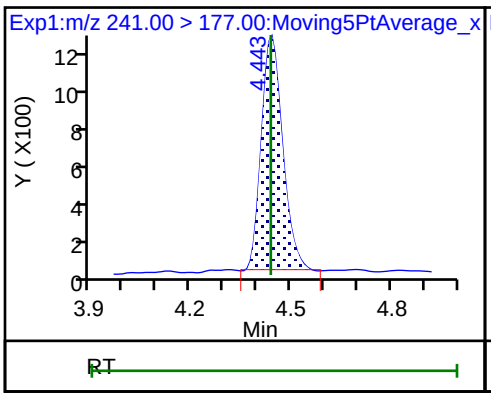
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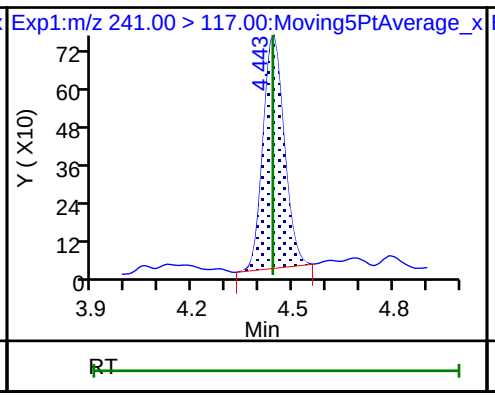
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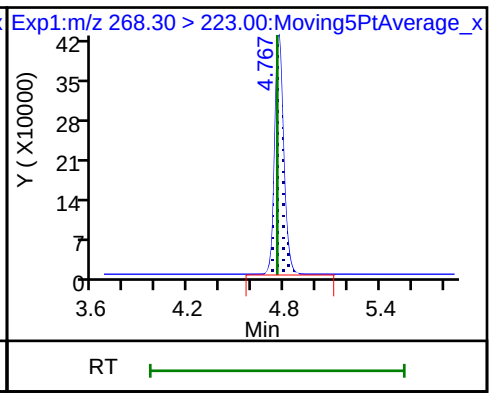
7 3:3 FTCA



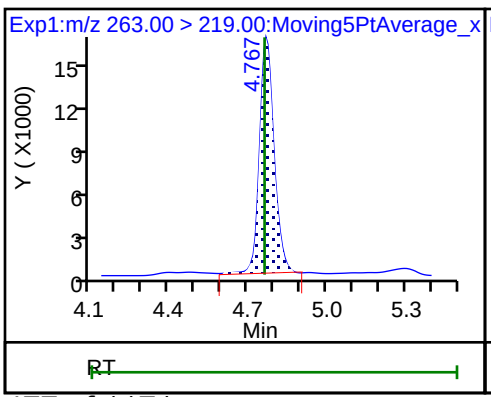
7 3:3 FTCA



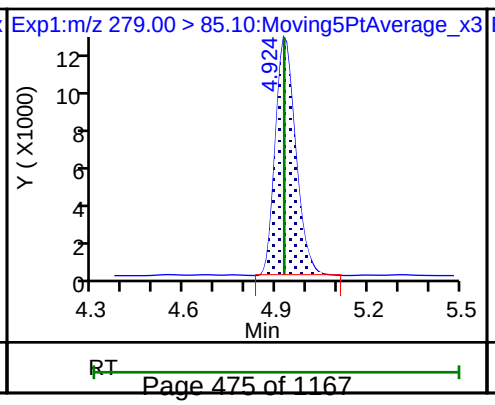
D 8 13C5 PFPeA



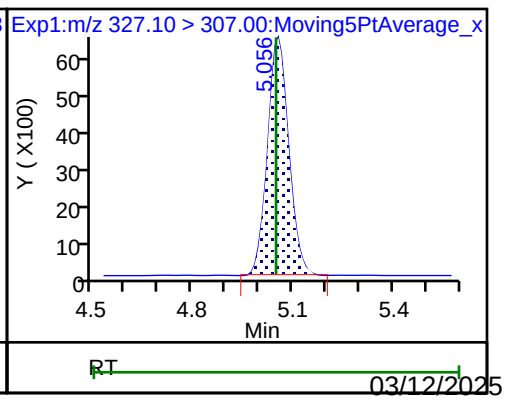
9 PFPA



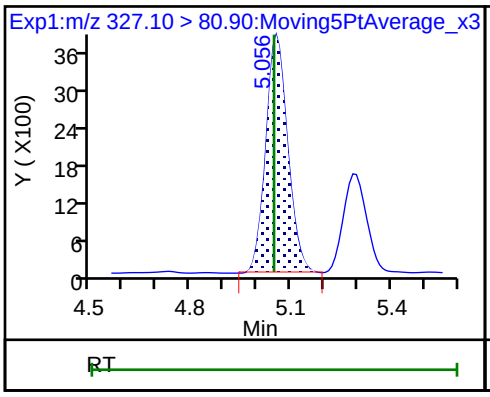
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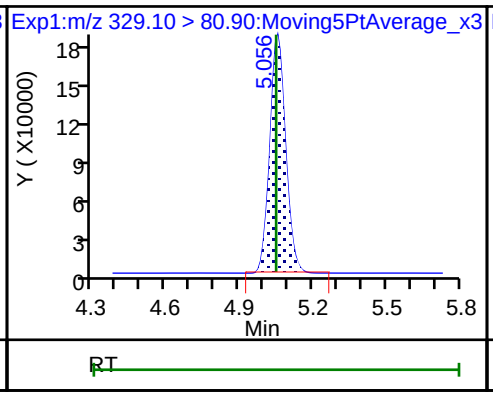
11 4:2FTS



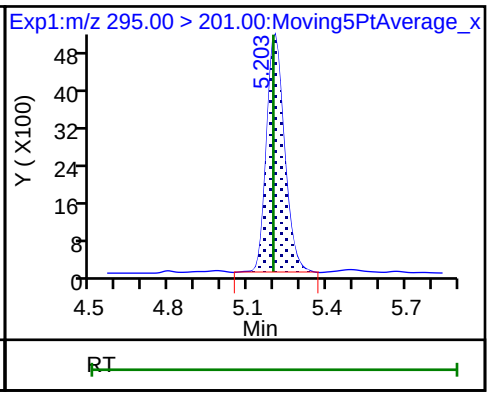
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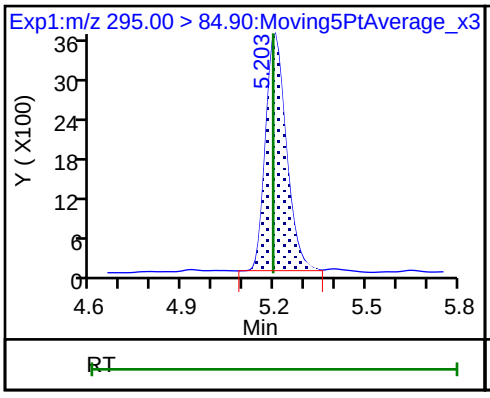
D 13 13C2-4:2FTS



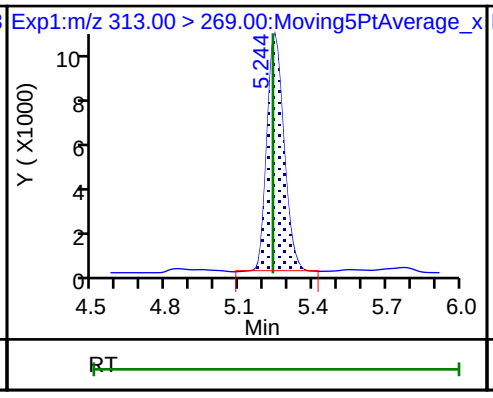
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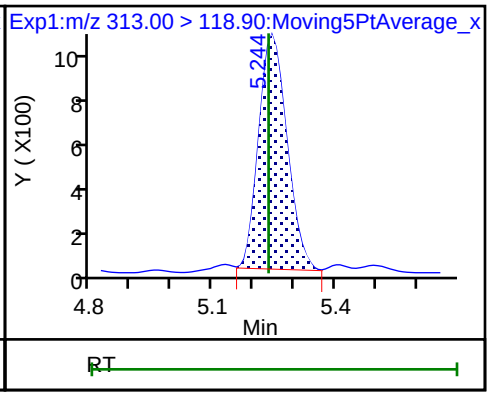
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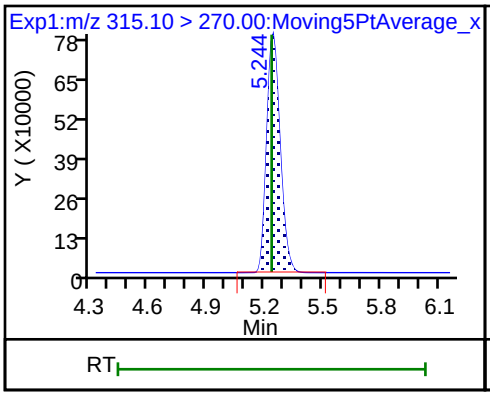
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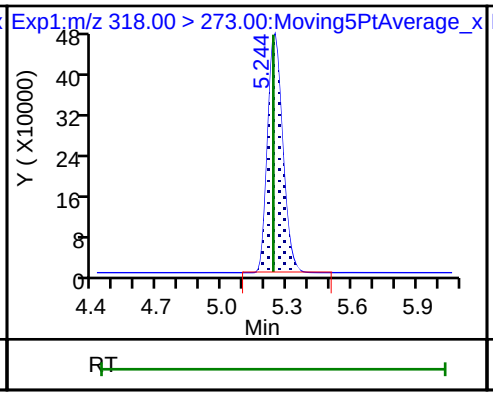
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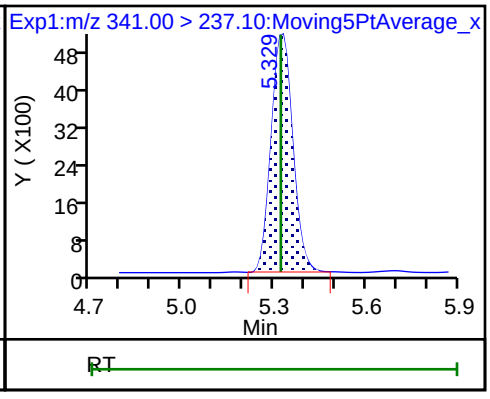
* 16 13C2 PFHxA



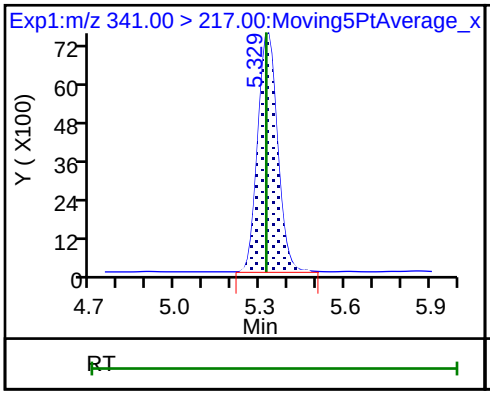
D 15 13C5 PFHxA



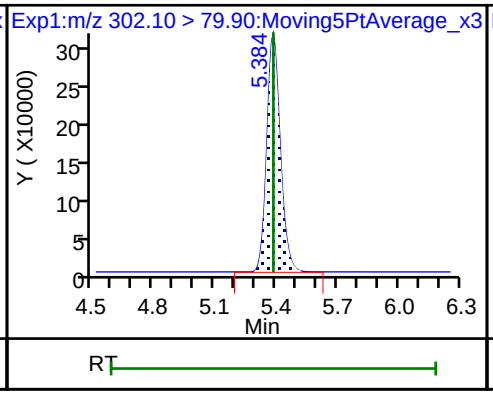
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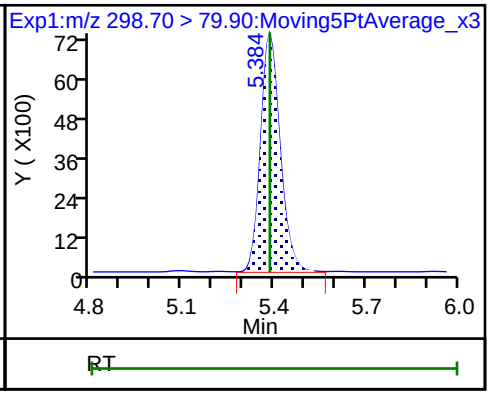
18 5:3 FTCA



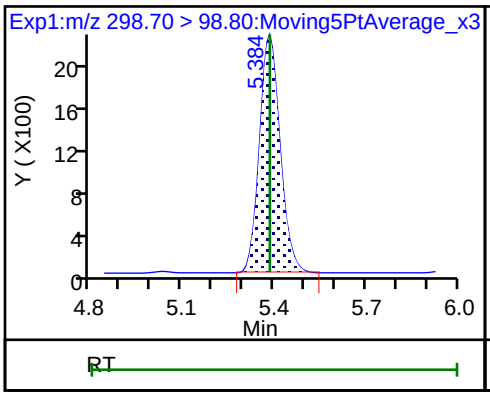
D 20 13C3 PFBS



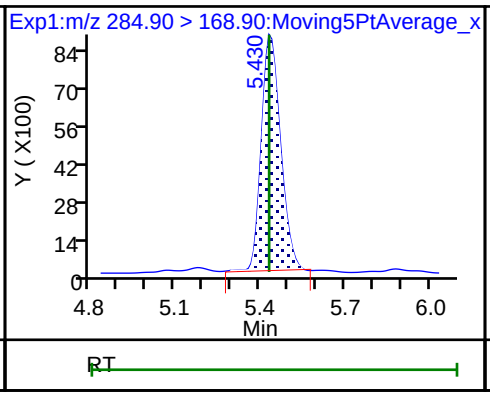
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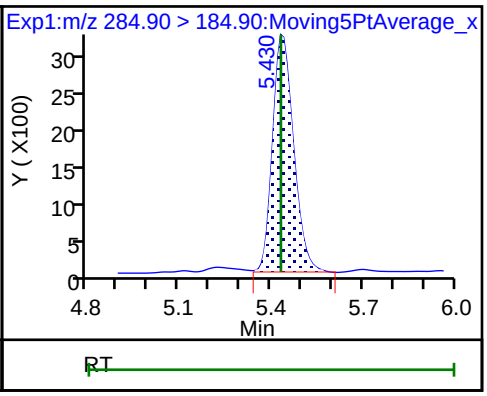
19 PFBS



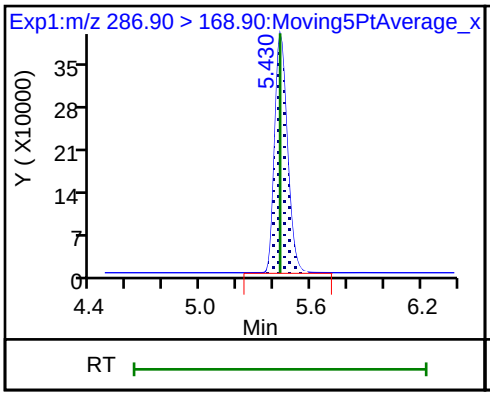
21 HFPO-DA



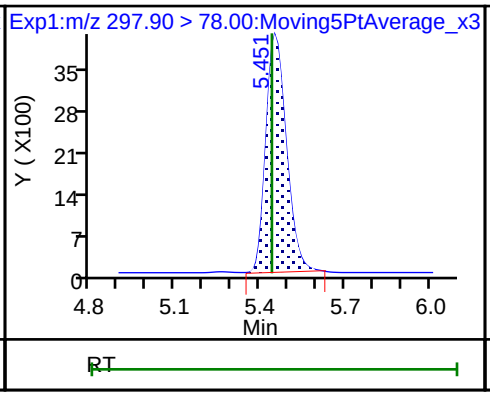
21 HFPO-DA



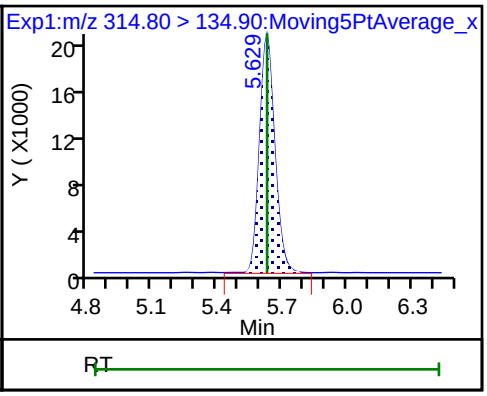
D 22 13C3 HFPO-DA



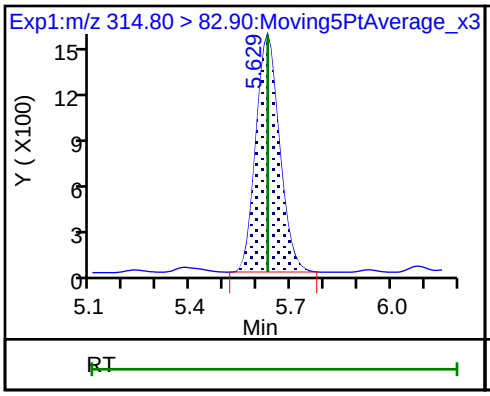
23 FBSA



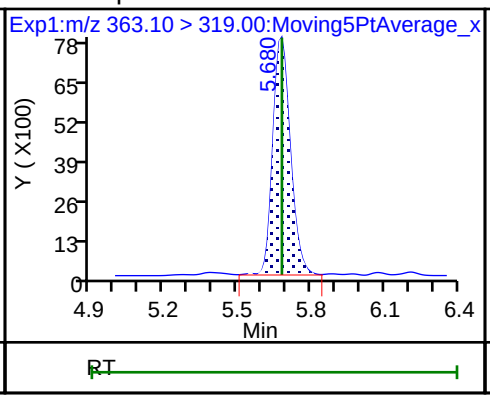
26 PFEESA



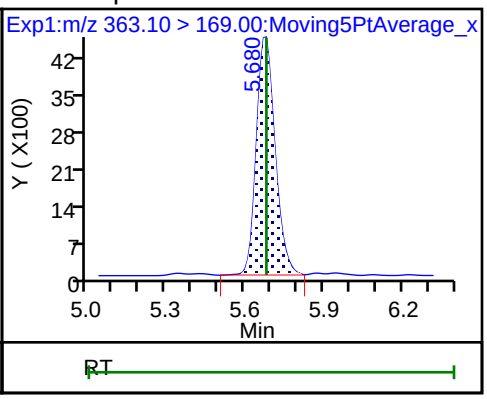
26 PFEESA



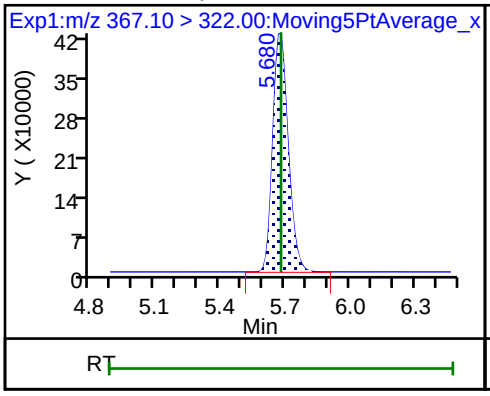
28 PFHpA



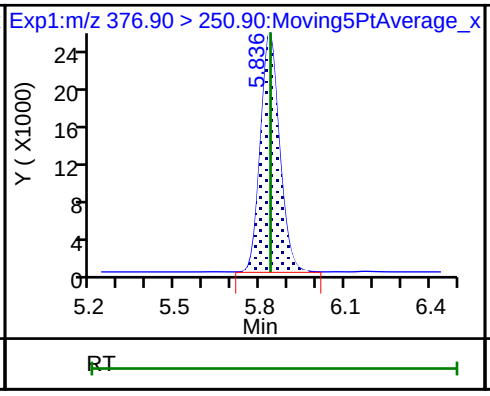
28 PFHpA



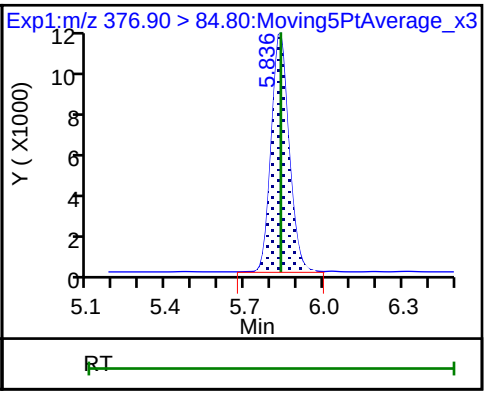
D 27 13C4 PFHpA



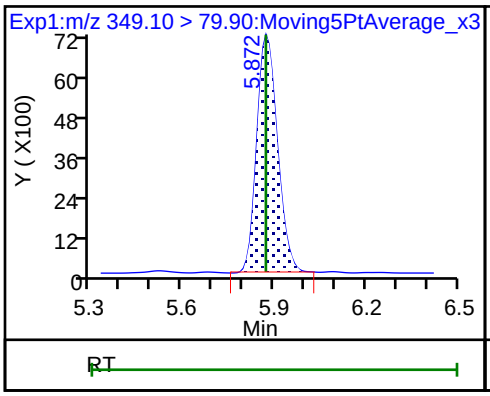
29 ADONA



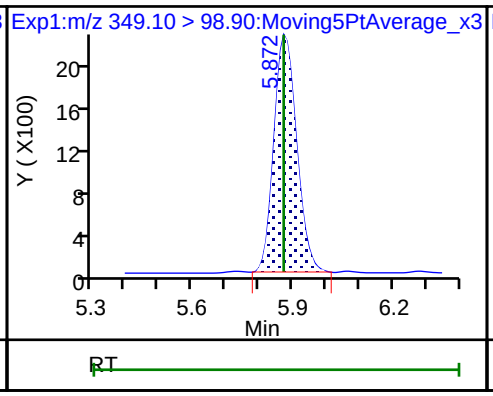
29 ADONA



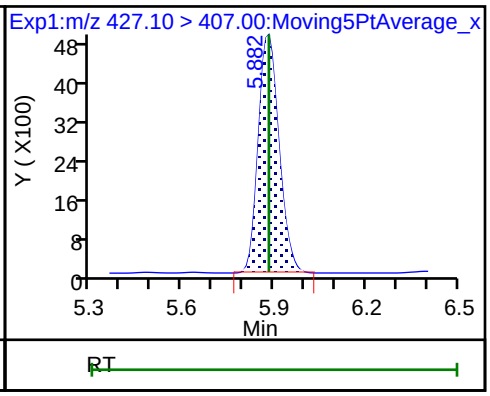
30 PFPeS



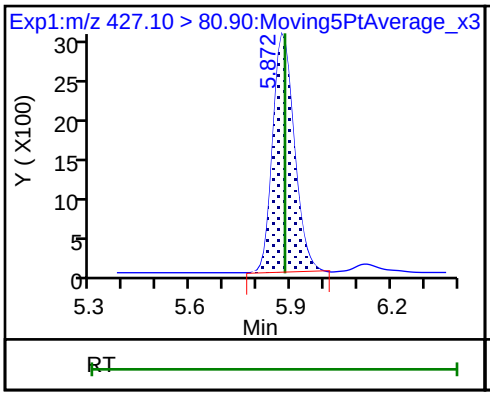
30 PFPeS



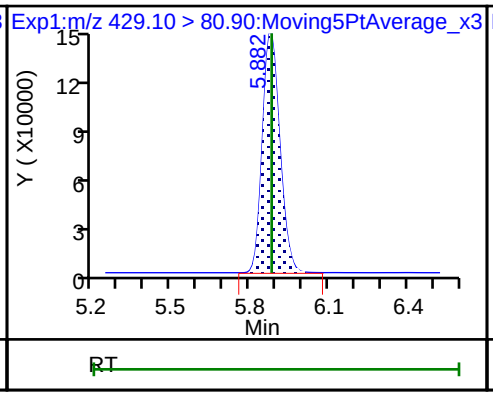
31 6:2FTS



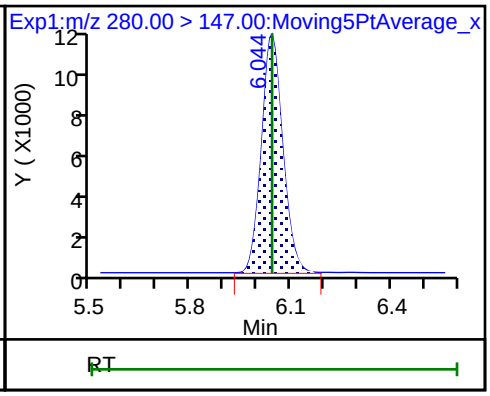
31 6:2FTS



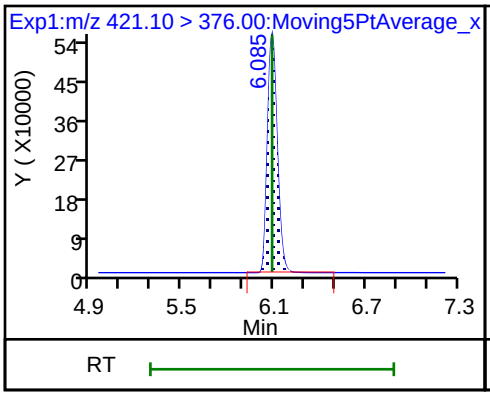
D 32 13C2-6:2FTS



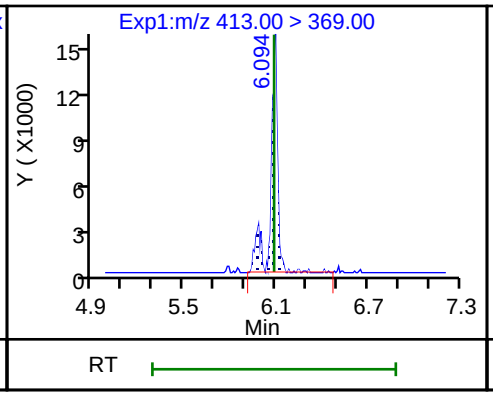
33 BTS



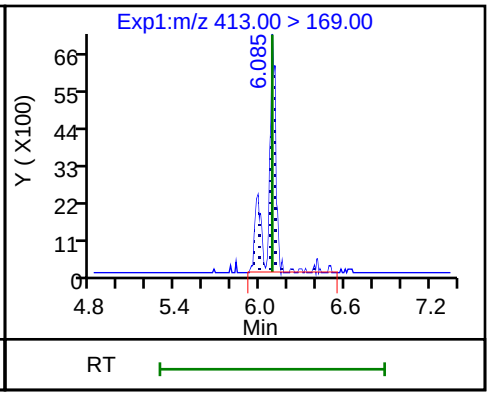
D 34 13C8 PFOA



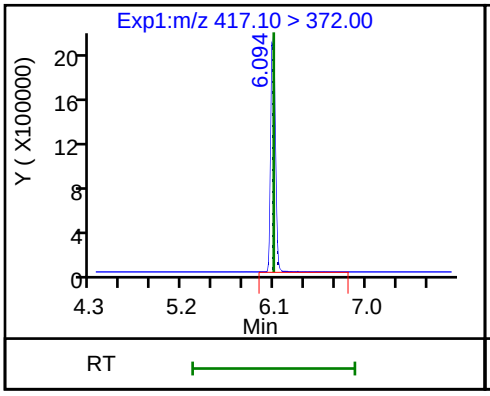
36 PFOA



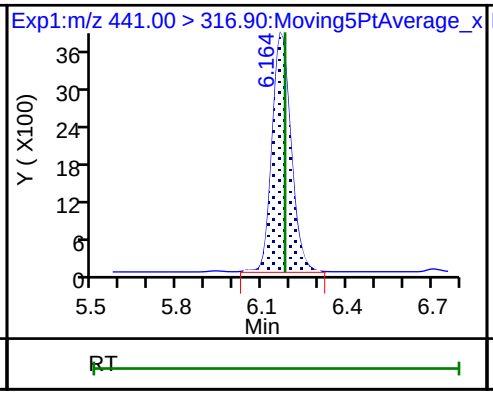
36 PFOA



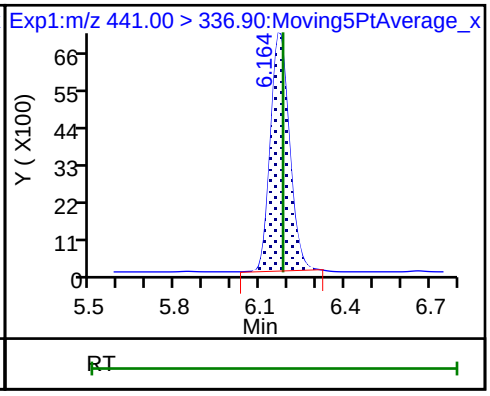
* 35 13C4 PFOA



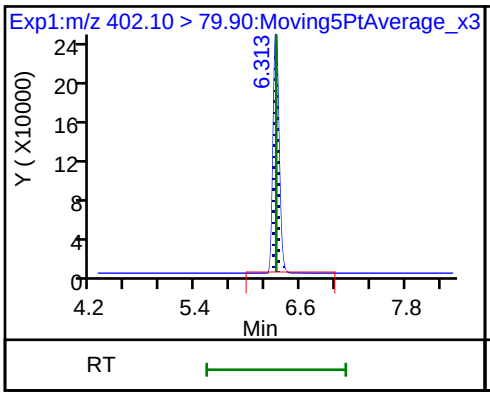
37 7:3 FTCA



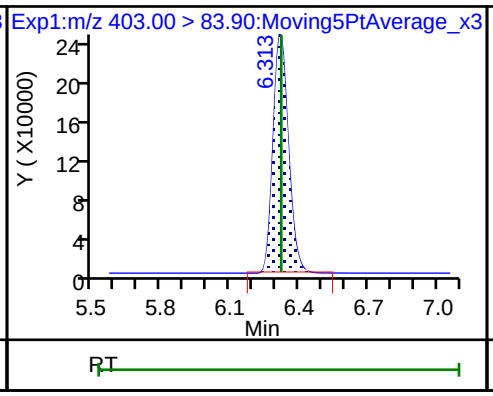
37 7:3 FTCA



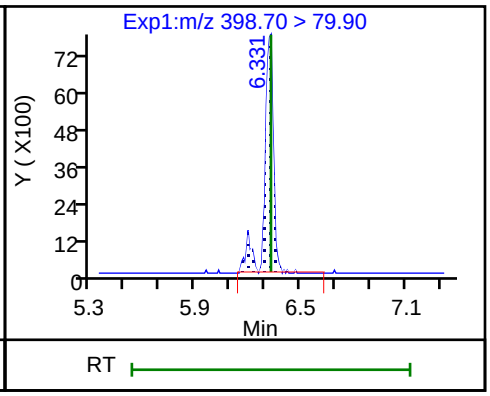
D 39 13C3 PFHxS



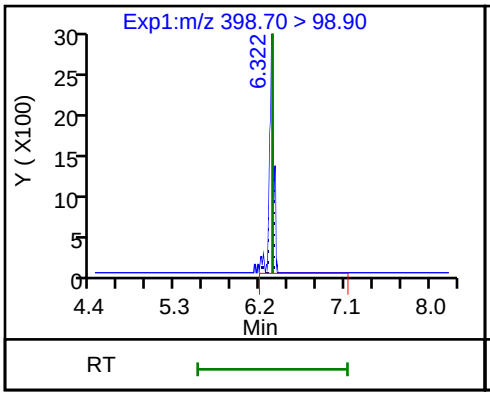
* 38 18O2 PFHxS



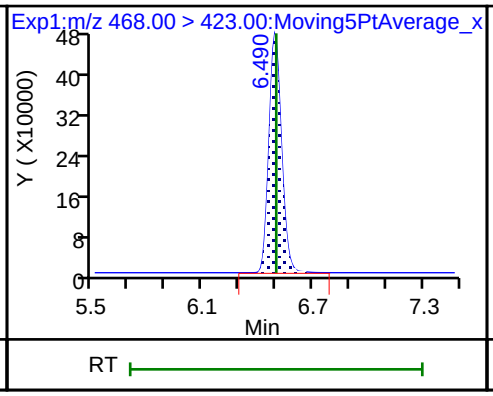
40 PFHxS



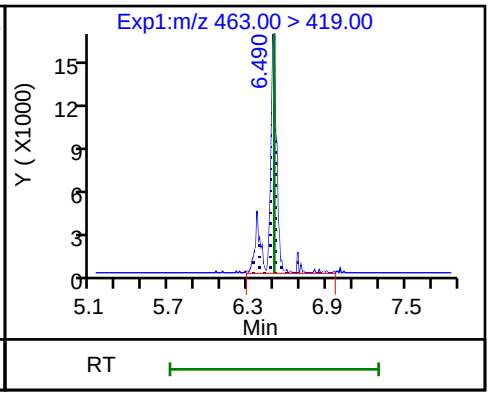
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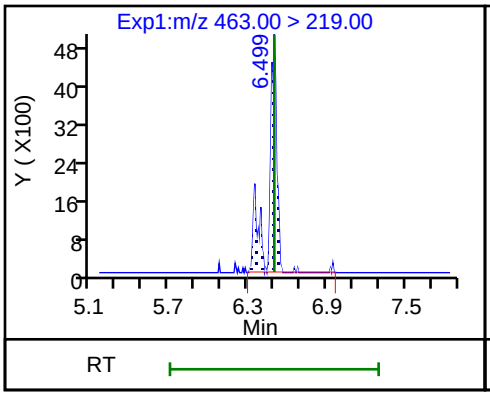
* 41 13C5 PFNA



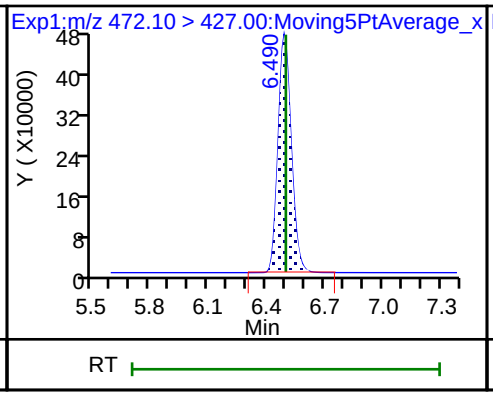
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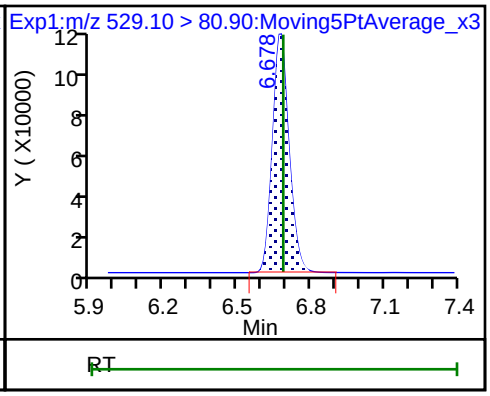
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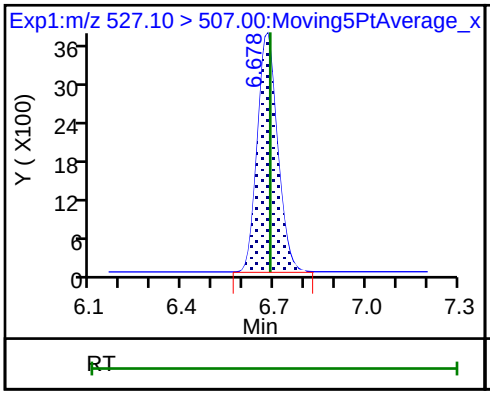
D 42 13C9 PFNA



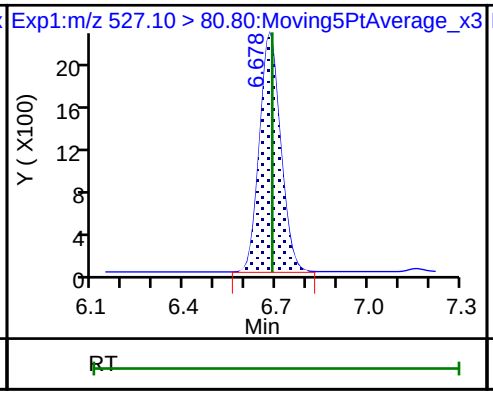
D 45 13C2-8:2FTS



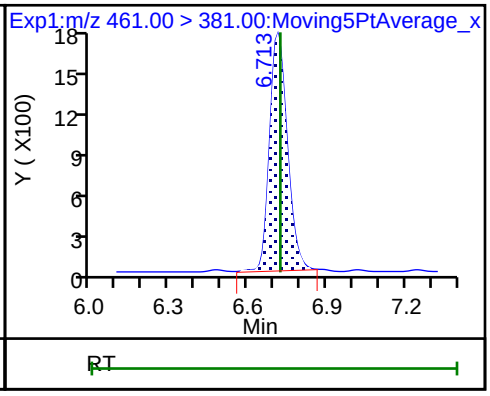
44 8:2FTS



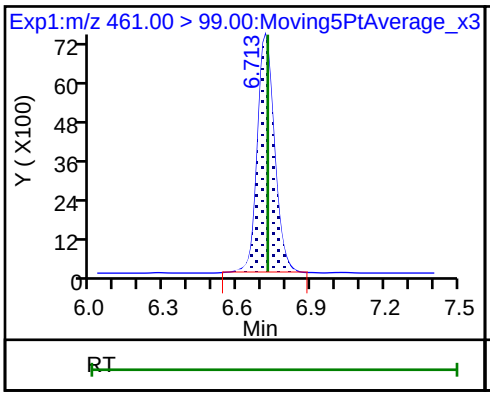
44 8:2FTS



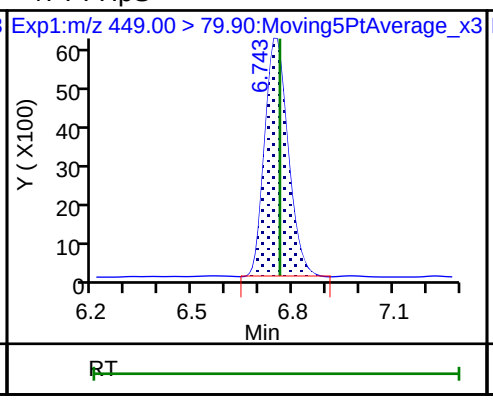
46 PFECHS



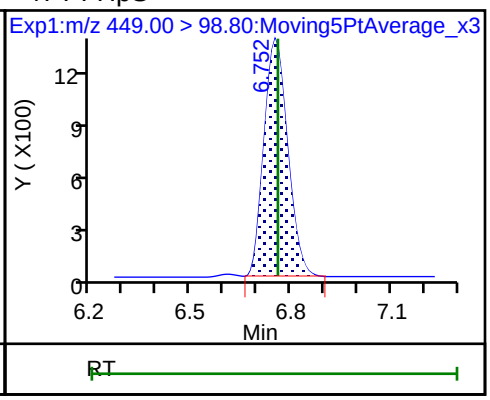
46 PFECHS



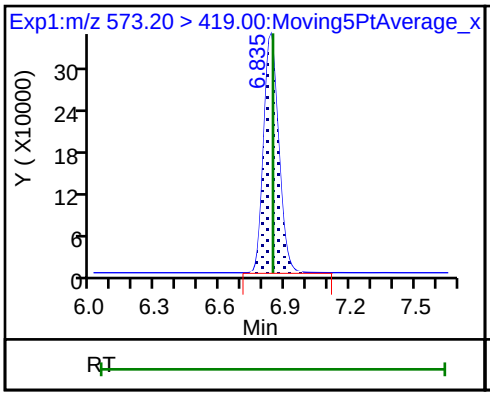
47 PFHpS



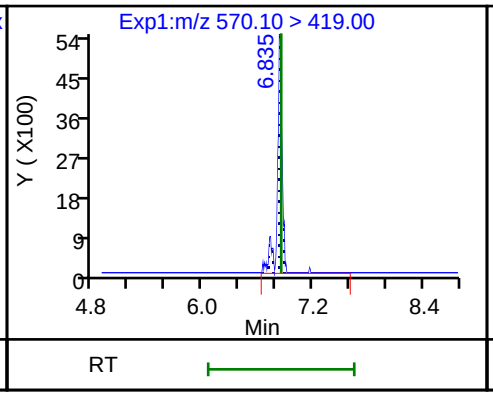
47 PFHpS



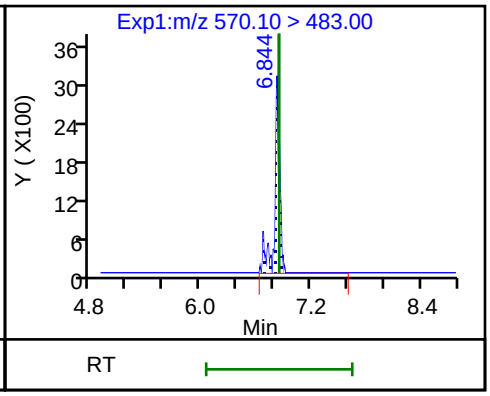
D 48 d3-NMeFOSAA



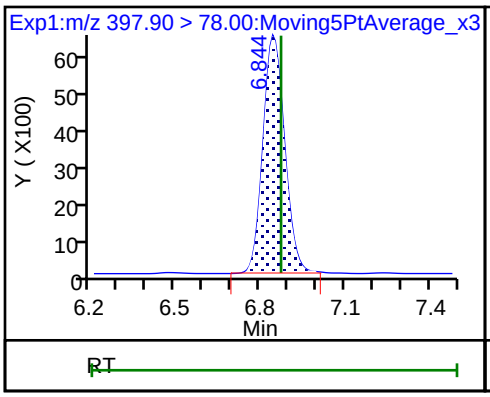
49 NMeFOSAA



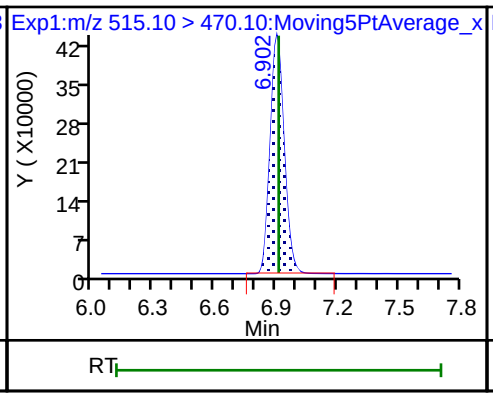
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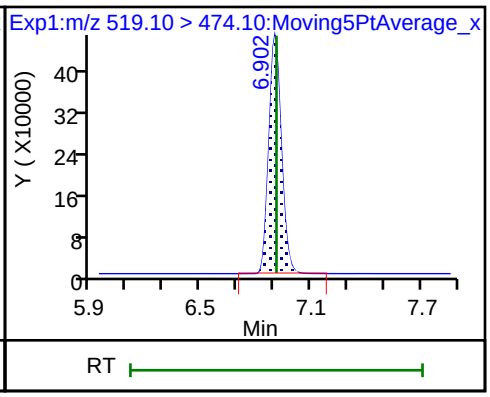
53 FHxSA



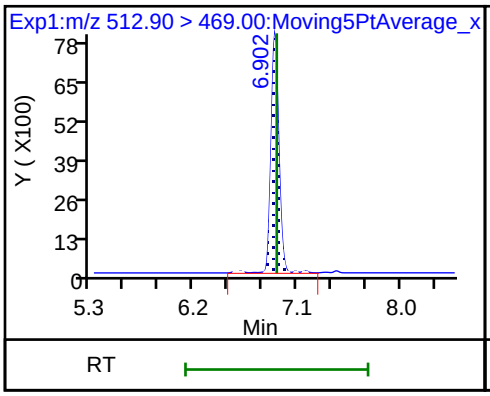
* 50 13C2 PFDA



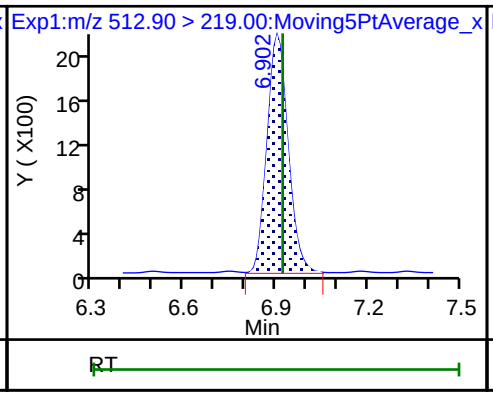
D 51 13C6 PFDA



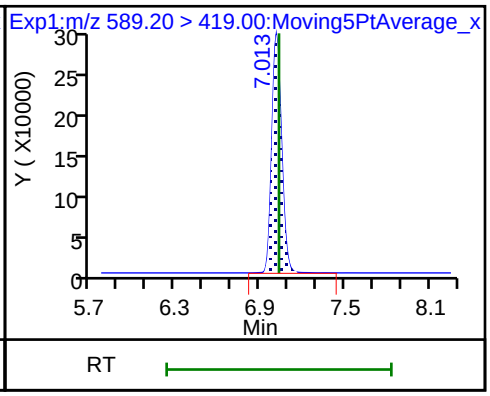
52 PFDA



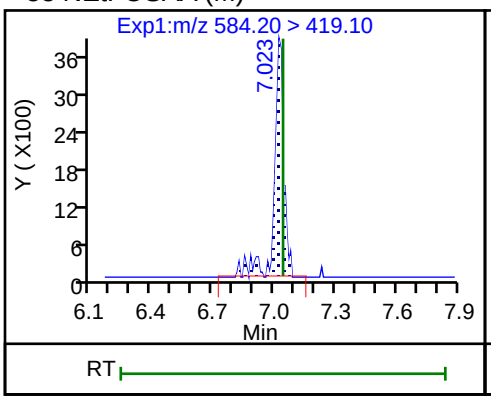
52 PFDA



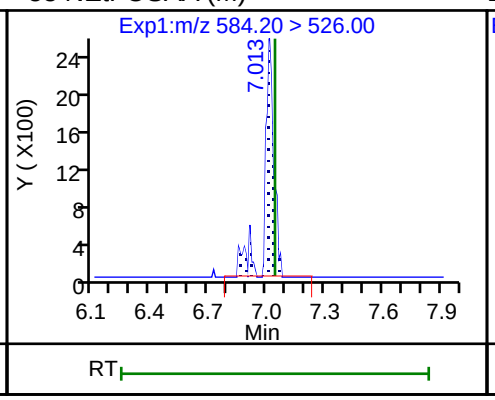
D 54 d5-NEtFOSAA



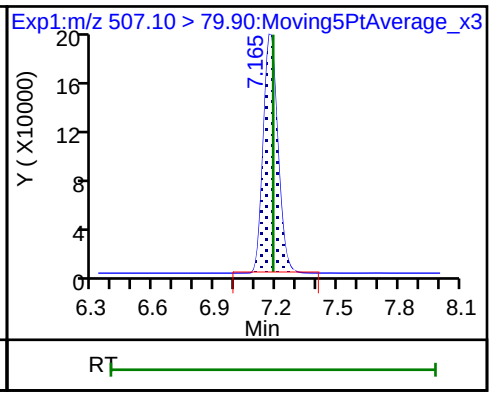
55 NEtFOSAA (M)



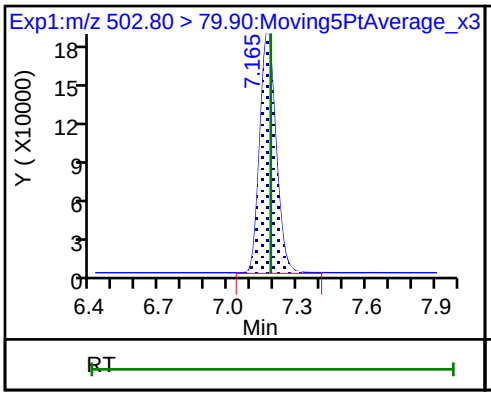
55 NEtFOSAA (M)



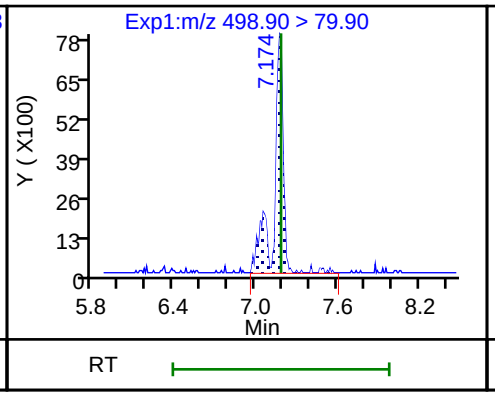
D 56 13C8 PFOS



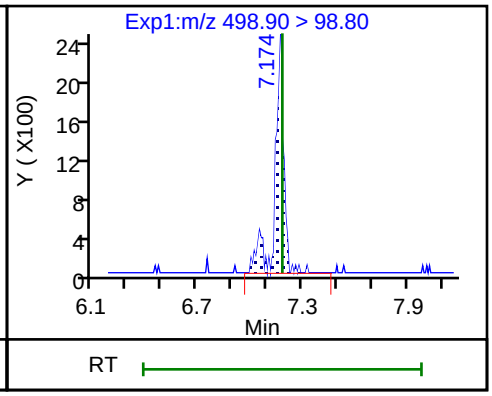
* 57 13C4 PFOS



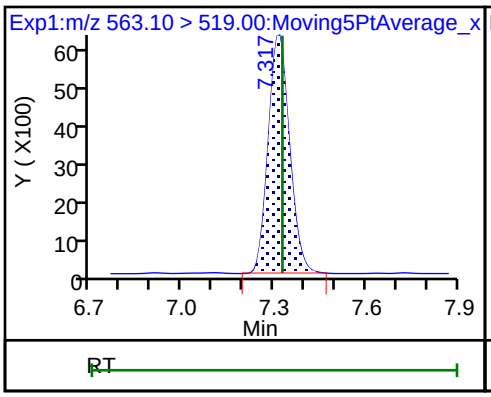
58 PFOS



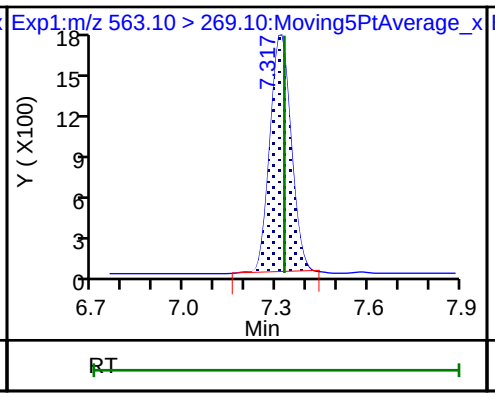
58 PFOS



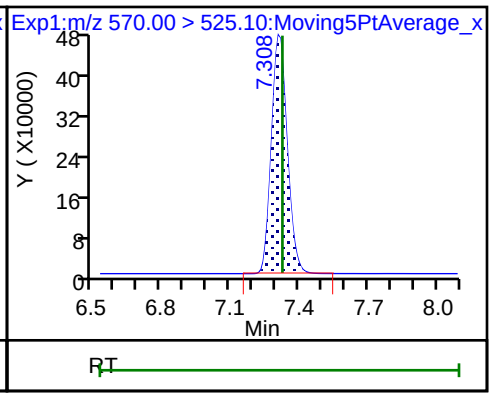
60 PFUnA



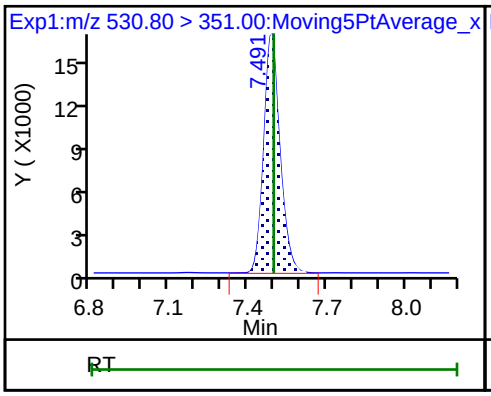
60 PFUnA



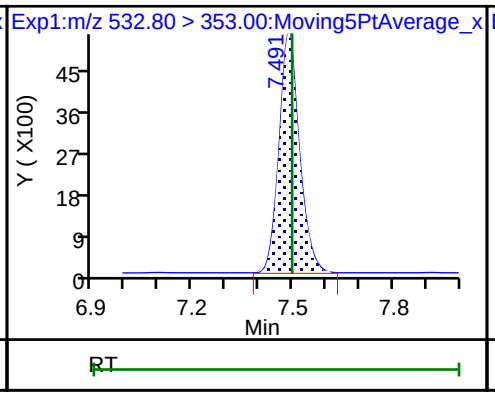
D 59 13C7 PFUnA



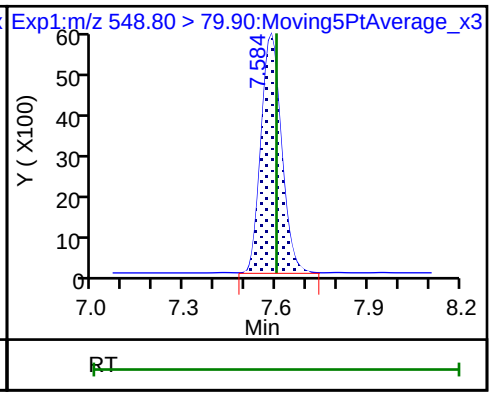
61 9ClFOS



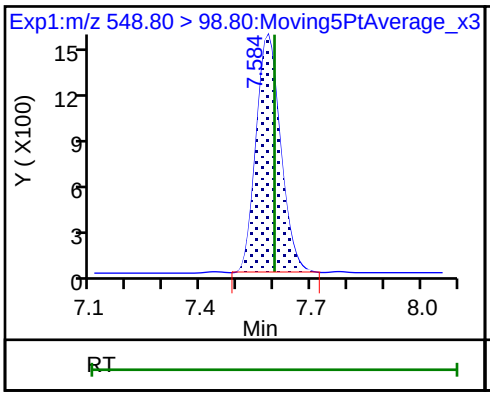
61 9ClFOS



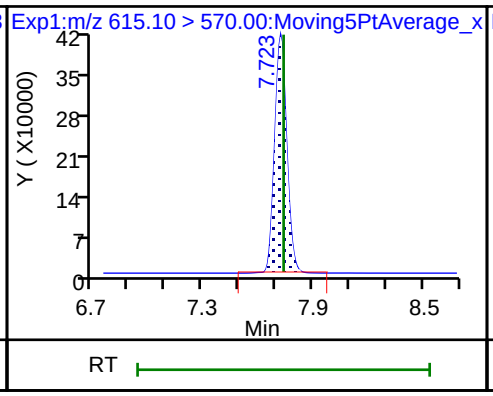
62 PFNS



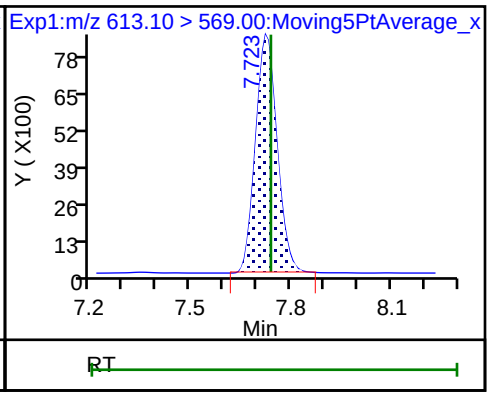
62 PFNS



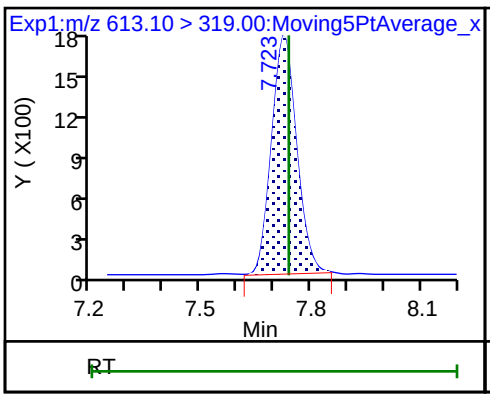
D 81 13C2 PFDoA



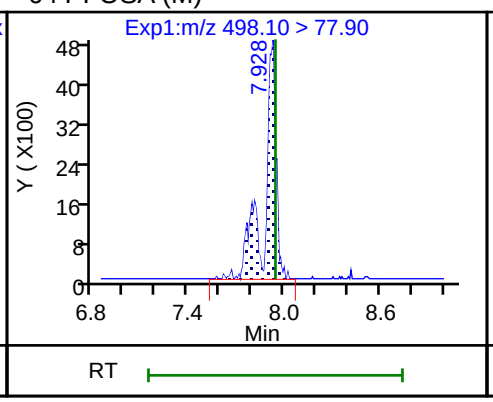
63 PFDoA



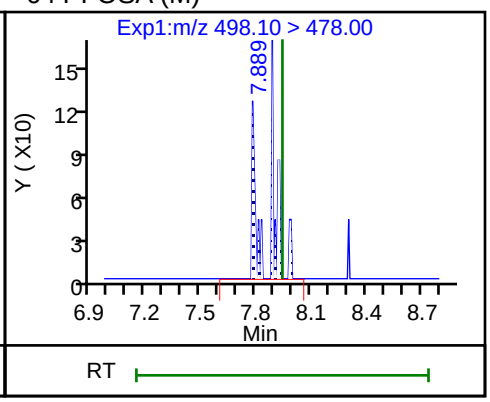
63 PFDoA



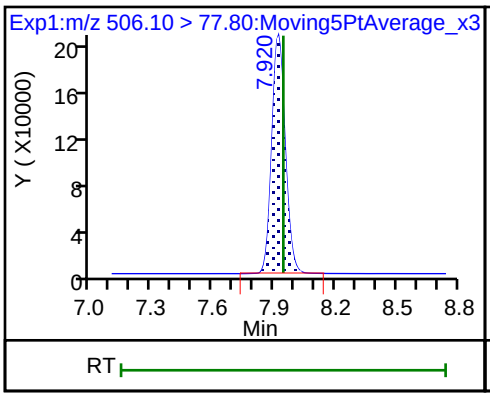
64 PFOSA (M)



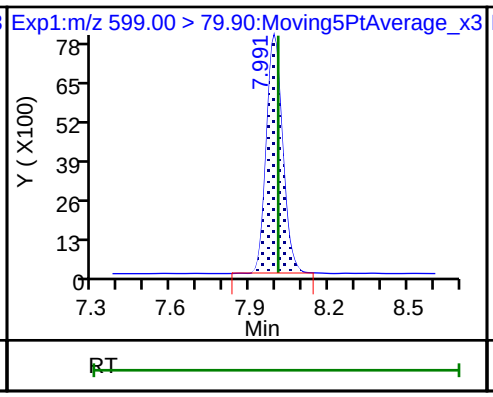
64 PFOSA (M)



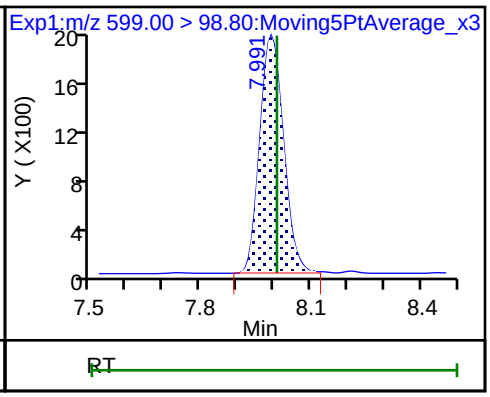
D 65 13C8 FOSA



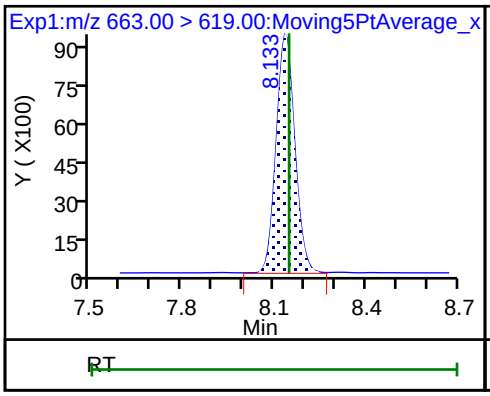
66 PFDS



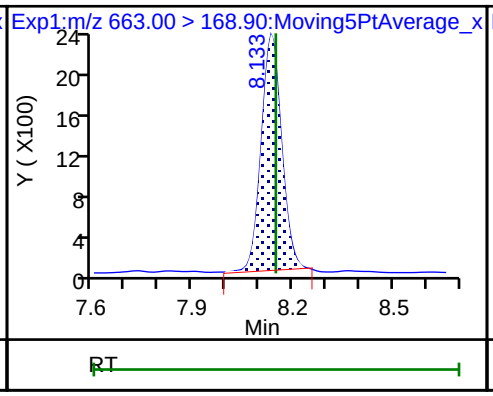
66 PFDS



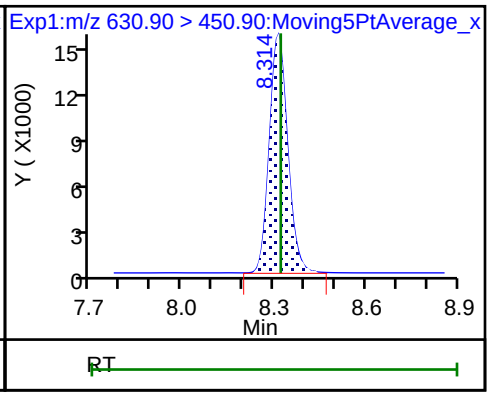
67 PFTrDA



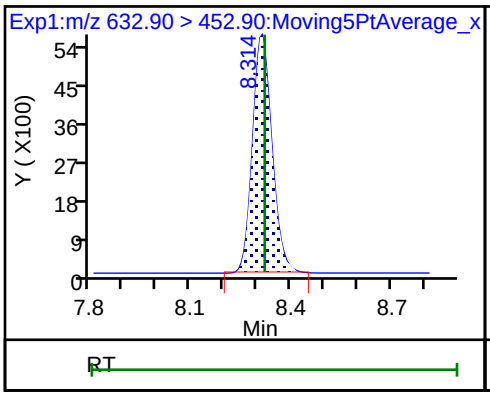
67 PFTrDA



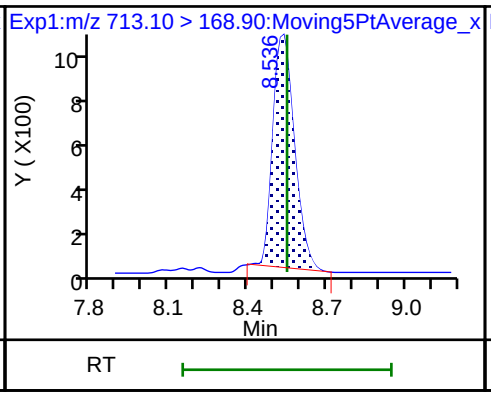
68 11ClFOS



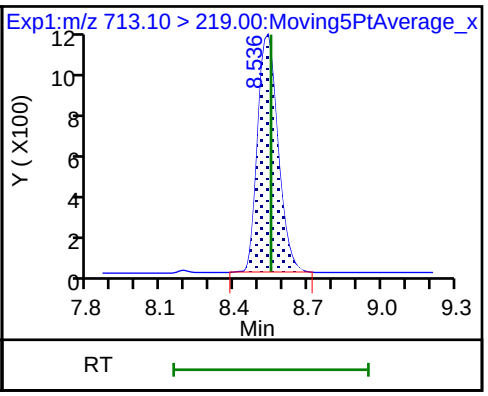
68 11ClFOS



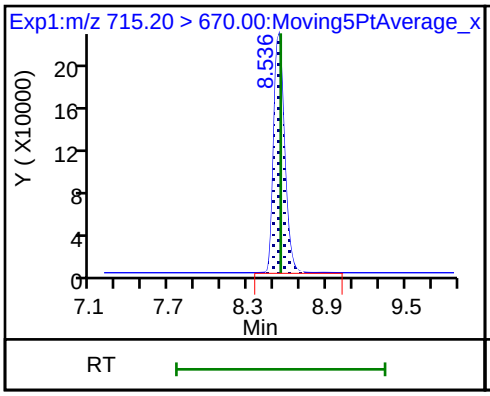
70 PFTeDA



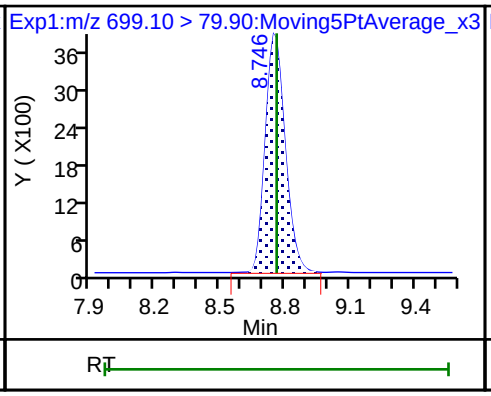
70 PFTeDA



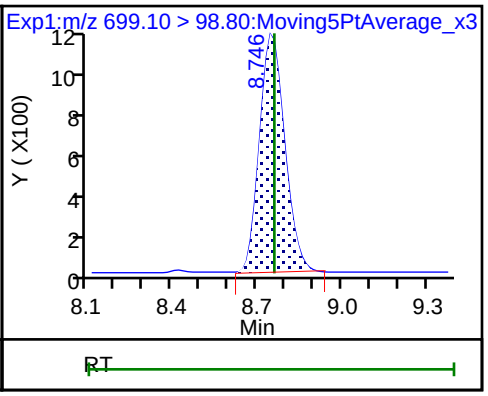
D 69 13C2 PFTeDA



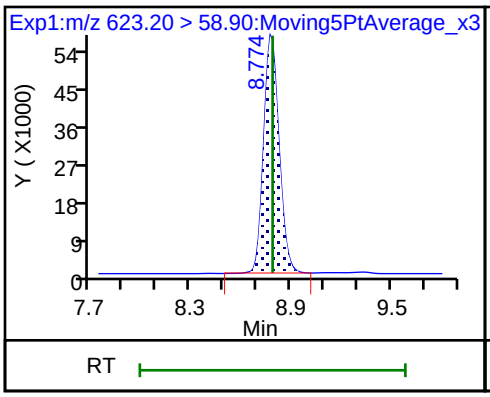
71 PFDoS



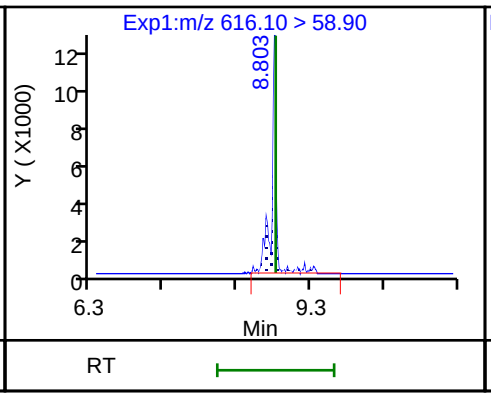
71 PFDoS



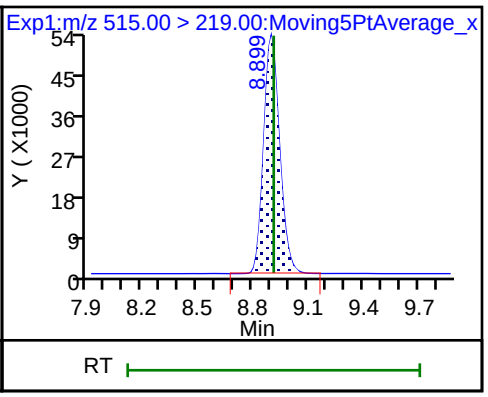
D 72 d7-N-Me-FOSE



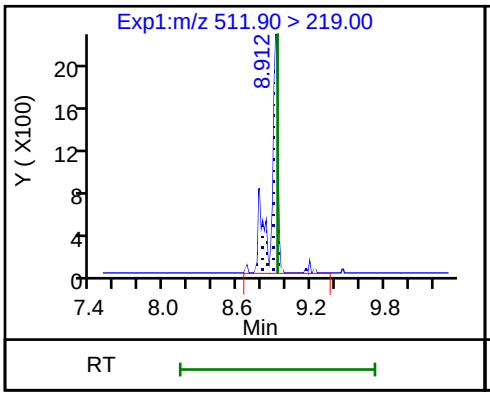
73 N-MeFOSE-M



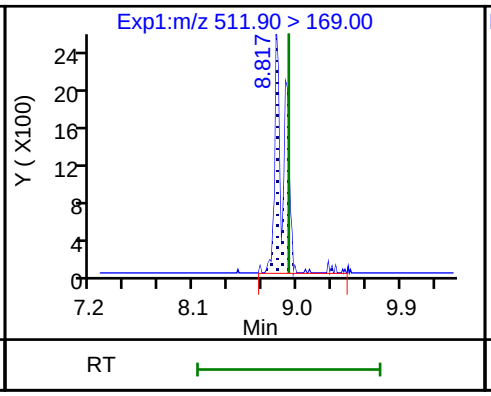
D 74 d3-NMePFOSA



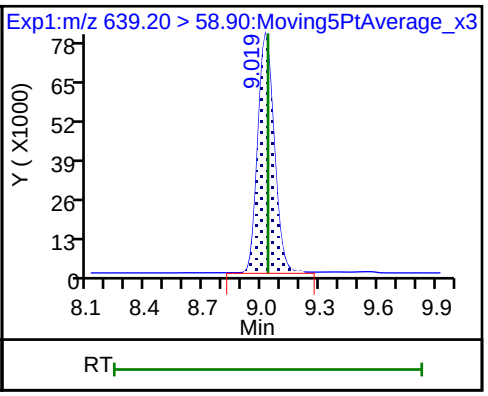
75 NMeFOSA



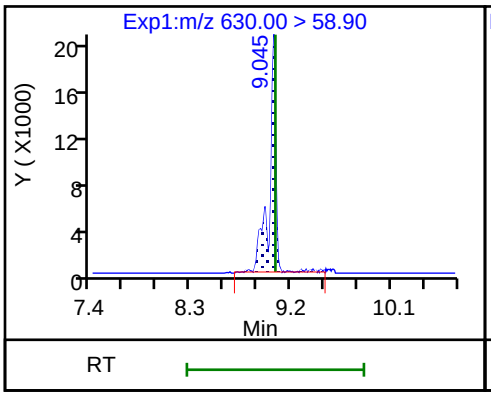
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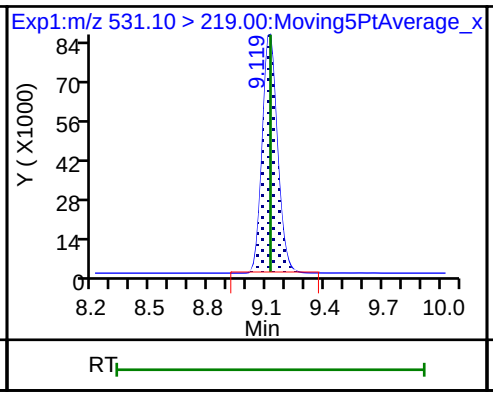
D 76 d9-N-EtFOSE



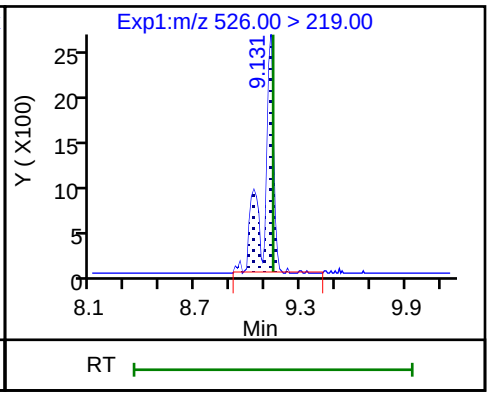
77 N-EtFOSE-M



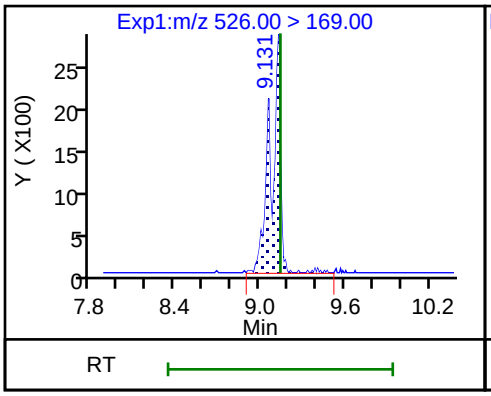
D 78 d5-NEtPFOSA



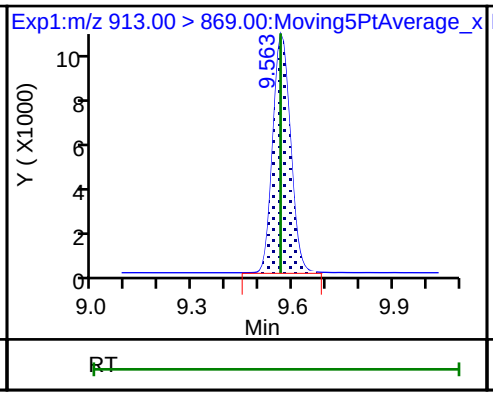
79 N-EtFOSA-M



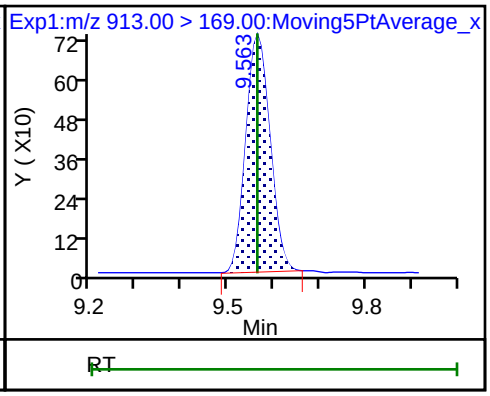
79 N-EtFOSA-M



80 Perfluorooctadecanoic acid



80 Perfluorooctadecanoic acid



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\25MAR06CAL-02.d
Lims ID: IC CAL 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 06-Mar-2025 19:27:15 ALS Bottle#: 3 Worklist Smp#: 2
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: CAL 2
Misc. Info.: Plate: 1 Rack: 1
Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570
Sublist: chrom-30570-1633-125ml*sub2

Method: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\30570-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 07-Mar-2025 18:45:10 Calib Date: 06-Mar-2025 20:48:33
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\25MAR06CAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1645

First Level Reviewer: RPU6 Date: 06-Mar-2025 19:51:17
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C3PFPrA										
166.00 > 121.00	1.992	2.026	-0.034	0.482	1772201	1.99		99.6	402	
2 Perfluoropropionic acid										
163.00 > 119.00	2.017	2.026	-0.009	1.013	634728	0.6640		106	8.6	
5 PFBA										
212.80 > 168.90	4.120	4.119	0.001	0.998	269481	0.2654		106	325	
D 3 13C4-PFBA										
216.80 > 171.90	4.127	4.119	0.008	1.000	2164810	2.04		102	64820	
* 4 13C3PFBA										
216.00 > 172.00	4.127	4.127	0.0		1970964	2.00			2641	
6 PFMPA										
229.00 > 84.90	4.430	4.430	0.0	0.930	146050	0.1405		112	5454	
7 3:3 FTCA										
241.00 > 177.00	4.439	4.439	0.0	0.932	14246	0.2642	Target=1.52	106	1086	
241.00 > 117.00	4.439	4.439	0.0	0.932	9501		1.50(0.76-2.29)	106	729	
D 8 13C5 PFPeA										
268.30 > 223.00	4.762	4.755	0.007	0.908	1563077	2.04		102	101865	
9 PFPA										
263.00 > 219.00	4.770	4.762	0.008	1.002	132993	0.1260		101	4335	
10 PFMBA										
279.00 > 85.10	4.926	4.926	0.0	1.034	152794	0.1386		111	10970	
11 4:2FTS										
327.10 > 307.00	5.058	5.049	0.009	1.000	72622	0.2463	Target=1.60	105	5289	
327.10 > 80.90	5.058	5.049	0.009	1.000	42549		1.71(0.80-2.40)	105	1161	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.058	5.049	0.009	0.800	762194	4.83		103	42279	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.206	5.196	0.010	0.992	59834	0.1258	Target=1.56	101	4227	
295.00 > 84.90	5.206	5.196	0.010	0.992	40112		1.49(0.78-2.33)	101	2873	
17 PFHxA										
313.00 > 269.00	5.246	5.236	0.010	1.000	115025	0.1282	Target=10.95	103	4788	
313.00 > 118.90	5.246	5.236	0.010	1.000	9669		11.90(5.48-16.43)	103	655	
* 16 13C2 PFHxA										
315.10 > 270.00	5.246	5.236	0.010		3839600	5.00			159113	
D 15 13C5 PFHxA										
318.00 > 273.00	5.246	5.236	0.010	1.000	2187078	2.12		106	150513	
18 5:3 FTCA										
341.00 > 237.10	5.332	5.321	0.011	1.016	70230	0.6354	Target=0.72	102	4914	
341.00 > 217.00	5.332	5.321	0.011	1.016	109353		0.64(0.36-1.08)	102	7652	
D 20 13C3 PFBS										
302.10 > 79.90	5.385	5.385	0.0	0.852	1447206	1.88		101	106443	
19 PFBS										
298.70 > 79.90	5.385	5.385	0.0	1.000	83380	0.1198	Target=2.90	108	6100	
298.70 > 98.80	5.385	5.385	0.0	1.000	28283		2.95(1.45-4.35)	108	2066	
21 HFPO-DA										
284.90 > 168.90	5.431	5.431	0.0	1.000	103617	0.0983	Target=2.63	105	3625	
284.90 > 184.90	5.431	5.431	0.0	1.000	39563		2.62(1.32-3.95)	105	2829	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.431	5.431	0.0	1.035	1948578	2.08		104	135965	
23 FBSA										
297.90 > 78.00	5.452	5.441	0.011	1.012	62219	0.1330		106	3946	
26 PFEESA										
314.80 > 134.90	5.630	5.630	0.0	1.073	239181	0.1094	Target=12.49	98.1	16242	
314.80 > 82.90	5.630	5.630	0.0	1.073	19498		12.27(6.24-18.74)	98.1	1355	
28 PFHpA										
363.10 > 319.00	5.681	5.681	0.0	1.000	96304	0.1310	Target=1.89	105	4811	
363.10 > 169.00	5.681	5.681	0.0	1.000	51662		1.86(0.95-2.84)	105	2621	
D 27 13C4 PFHpA										
367.10 > 322.00	5.681	5.681	0.0	1.083	2013862	2.06		103	101929	
29 ADONA										
376.90 > 250.90	5.836	5.836	0.0	1.075	320946	0.1340	Target=2.13	113	23264	
376.90 > 84.80	5.836	5.836	0.0	1.075	143787		2.23(1.07-3.20)	113	10505	
30 PFPeS										
349.10 > 79.90	5.882	5.872	0.010	0.930	90655	0.1258	Target=3.41	107	6282	
349.10 > 98.90	5.882	5.872	0.010	0.930	24828		3.65(1.70-5.11)	107	1700	
31 6:2FTS										
427.10 > 407.00	5.882	5.882	0.0	1.000	57365	0.2368	Target=1.64	99.9	4208	
427.10 > 80.90	5.882	5.882	0.0	1.000	35648		1.61(0.82-2.45)	99.9	2667	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.882	5.882	0.0	0.930	653256	4.95		104	47600	
33 BTS										
280.00 > 147.00	6.044	6.043	0.001	0.956	136755	0.1225		100	10521	
D 34 13C8 PFOA										
421.10 > 376.00	6.085	6.085	0.0	0.999	2522483	1.95		97.7	81362	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
36 PFOA										
413.00 > 369.00	6.094	6.085	0.009	1.001	93322	0.1140	Target=1.63	91.2	99.1	
413.00 > 169.00	6.094	6.085	0.009	1.001	60993		1.53(0.82-2.45)	91.2	102	
* 35 13C4 PFOA										
417.10 > 372.00	6.094	6.093	0.001		6509771	5.00			11978	
37 7:3 FTCA										
441.00 > 316.90	6.173	6.181	-0.008	1.177	53097	0.5958	Target=0.59	95.3	3843	
441.00 > 336.90	6.173	6.181	-0.008	1.177	98632		0.54(0.29-0.88)	95.3	7065	
D 39 13C3 PFHxS										
402.10 > 79.90	6.322	6.321	0.001	1.000	1137347	1.91		101	81450	
* 38 18O2 PFHxS										
403.00 > 83.90	6.322	6.321	0.001		1163799	1.89			83289	
40 PFHxS										
398.70 > 79.90	6.322	6.330	-0.008	1.000	67917	0.1256	Target=3.32	110	188	
398.70 > 98.90	6.313	6.330	-0.017	0.999	20922		3.25(1.66-4.98)	110	59.1	
D 42 13C9 PFNA										
472.10 > 427.00	6.500	6.499	0.001	1.000	2250273	2.02		101	158575	
* 41 13C5 PFNA										
468.00 > 423.00	6.500	6.499	0.001		2271313	2.00			120784	
43 PFNA										
463.00 > 419.00	6.500	6.499	0.001	1.000	135199	0.1367	Target=2.60	109	198	
463.00 > 219.00	6.500	6.499	0.001	1.000	51475		2.63(1.30-3.91)	109	122	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.679	6.686	-0.007	1.056	552026	4.97		104	40079	
44 8:2FTS										
527.10 > 507.00	6.679	6.686	-0.007	1.000	42835	0.2403	Target=1.64	100	3097	
527.10 > 80.80	6.679	6.686	-0.007	1.000	24778		1.73(0.82-2.45)	100	1822	
46 PFECHS										
461.00 > 381.00	6.723	6.723	0.0	1.064	21746	0.1155	Target=0.25	100	1558	
461.00 > 99.00	6.723	6.723	0.0	1.064	88738		0.25(0.13-0.38)	100	6200	
47 PFHpS										
449.00 > 79.90	6.752	6.760	-0.008	0.941	83295	0.1329	Target=3.90	111	5730	
449.00 > 98.80	6.752	6.760	-0.008	0.941	20880		3.99(1.95-5.85)	111	1475	
D 48 d3-NMeFOSAA										
573.20 > 419.00	6.835	6.843	-0.008	0.953	1665552	5.32		106	87511	
49 NMeFOSAA										
570.10 > 419.00	6.854	6.853	0.001	1.003	42677	0.1241	Target=1.75	99.3	146	
570.10 > 483.00	6.844	6.853	-0.009	1.001	25049		1.70(0.87-2.62)	99.3	38.5	
53 FHxSA										
397.90 > 78.00	6.844	6.874	-0.030	1.083	96201	0.1266		101	6180	
* 50 13C2 PFDA										
515.10 > 470.10	6.912	6.911	0.001		1989612	2.00			104833	
D 51 13C6 PFDA										
519.10 > 474.10	6.912	6.911	0.001	1.000	2023658	1.99		99.6	84320	
52 PFDA										
512.90 > 469.00	6.912	6.920	-0.008	1.000	106319	0.1442	Target=4.00	115	7575	
512.90 > 219.00	6.912	6.920	-0.008	1.000	25535		4.16(2.00-6.00)	115	1794	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.023	7.033	-0.010	0.979	1350551	5.10		102	55662	
55 NEtFOSAA										
584.20 > 419.10	7.033	7.043	-0.010	1.001	30219	0.1320	Target=1.50	106	9174	
584.20 > 526.00	7.033	7.043	-0.010	1.001	19699		1.53(0.75-2.25)	106	63.1	
D 56 13C8 PFOS										
507.10 > 79.90	7.175	7.184	-0.009	1.000	923467	1.88		98.6	37516	
* 57 13C4 PFOS										
502.80 > 79.90	7.175	7.184	-0.009		935991	1.91			47747	
58 PFOS										
498.90 > 79.90	7.175	7.184	-0.009	1.000	88243	0.1251	Target=4.37	108	21328	
498.90 > 98.80	7.185	7.184	0.001	1.001	20634		4.28(2.18-6.55)	108	41.8	
60 PFUnA										
563.10 > 519.00	7.318	7.326	-0.008	1.000	77524	0.1345	Target=3.87	108	5507	
563.10 > 269.10	7.318	7.326	-0.008	1.000	18651		4.16(1.93-5.80)	108	1282	
D 59 13C7 PFUnA										
570.00 > 525.10	7.318	7.326	-0.008	1.059	2142263	2.03		101	112746	
61 9ClFOS										
530.80 > 351.00	7.490	7.497	-0.007	1.379	178771	0.1217	Target=2.97	104	14148	
532.80 > 353.00	7.490	7.497	-0.007	1.379	62629		2.85(1.48-4.45)	104	4971	
62 PFNS										
548.80 > 79.90	7.583	7.600	-0.017	1.057	70096	0.1292	Target=3.70	107	4992	
548.80 > 98.80	7.583	7.600	-0.017	1.057	18828		3.72(1.85-5.55)	107	1366	
D 81 13C2 PFDoA										
615.10 > 570.00	7.723	7.739	-0.016	1.117	1859374	2.04		102	101483	
63 PFDoA										
613.10 > 569.00	7.731	7.739	-0.008		90361	0.1260	Target=4.68	101	6584	
613.10 > 319.00	7.731	7.739	-0.008		17407		5.19(2.34-7.01)	101	1274	
64 PFOSA										M
498.10 > 77.90	7.920	7.944	-0.024	1.000	65533	0.1351	Target=50.02	108	276	M
498.10 > 478.00	7.913	7.944	-0.031	0.999	1439		45.54(25.01-75.03)	108	9.0	M
D 65 13C8 FOSA										
506.10 > 77.80	7.920	7.944	-0.024	1.104	1028060	1.96		98.0	56098	
66 PFDS										
599.00 > 79.90	7.991	8.007	-0.016	1.114	84798	0.1243	Target=3.88	103	6561	
599.00 > 98.80	7.991	8.007	-0.016	1.114	22031		3.85(1.94-5.82)	103	1690	
67 PFTrDA										
663.00 > 619.00	8.134	8.148	-0.014	0.952	107533	0.1336	Target=4.52	107	8423	
663.00 > 168.90	8.134	8.148	-0.014	0.952	23631		4.55(2.26-6.79)	107	1886	
68 11ClFOS										
630.90 > 450.90	8.307	8.321	-0.014	1.529	167909	0.1252	Target=2.95	106	13418	
632.90 > 452.90	8.314	8.321	-0.007	1.531	56901		2.95(1.47-4.42)	106	4537	
70 PFTeDA										
713.10 > 168.90	8.541	8.548	-0.007	1.000	15252	0.1381	Target=0.91	110	901	
713.10 > 219.00	8.541	8.548	-0.007	1.000	16414		0.93(0.45-1.36)	110	946	
D 69 13C2 PFTeDA										
715.20 > 670.00	8.541	8.548	-0.007	1.236	1255079	1.94		97.1	72136	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
71 PFDoS										
699.10 > 79.90	8.751	8.760	-0.009	1.220	68456	0.1262	Target=4.00	104	3622	
699.10 > 98.80	8.751	8.760	-0.009	1.220	17643		3.88(2.00-6.00)	104	946	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.794	8.789	0.005	1.226	371730	4.94		98.7	9517	
73 N-MeFOSE-M										
616.10 > 58.90	8.808	8.818	-0.010	1.002	118541	0.6508		104	166	
D 74 d3-NMePFOSA										
515.00 > 219.00	8.904	8.913	-0.009	1.241	331187	1.92		95.9	18387	
75 NMeFOSA										
511.90 > 219.00	8.904	8.926	-0.022	1.000	20433	0.1329	Target=0.65	106	4729	
511.90 > 169.00	8.918	8.926	-0.008	1.001	31930		0.64(0.32-0.97)	106	159	
D 76 d9-N-EtFOSE										
639.20 > 58.90	9.024	9.032	-0.008	1.258	460145	4.86		97.3	8817	
77 N-EtFOSE-M										
630.00 > 58.90	9.051	9.059	-0.008	1.003	201049	0.6684		107	1168	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.123	9.119	0.004	1.271	460529	1.95		97.4	21638	
79 N-EtFOSA-M										
526.00 > 219.00	9.134	9.143	-0.009	1.001	27383	0.1347	Target=0.82	108	292	
526.00 > 169.00	9.134	9.143	-0.009	1.001	31215		0.88(0.41-1.23)	108	297	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.565	9.563	0.002	1.120	100383	0.1306	Target=13.85	104	9142	
913.00 > 169.00	9.557	9.563	-0.006	1.119	7627		13.16(6.92-20.77)	104	695	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_CAL2_00019 Amount Added: 1.00 Units: mL

Report Date: 07-Mar-2025 18:45:11 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\25MAR06CAL-02.d

Injection Date: 06-Mar-2025 19:27:15 Instrument ID: 30570

Lims ID: IC CAL 2

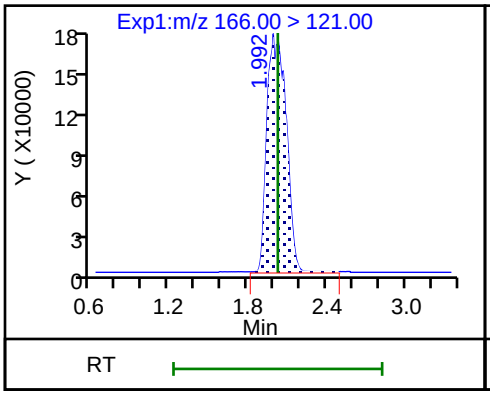
Client ID:

Operator ID: ETUS023_USR_INS00003 ALS Bottle#: 3 Worklist Smp#: 2

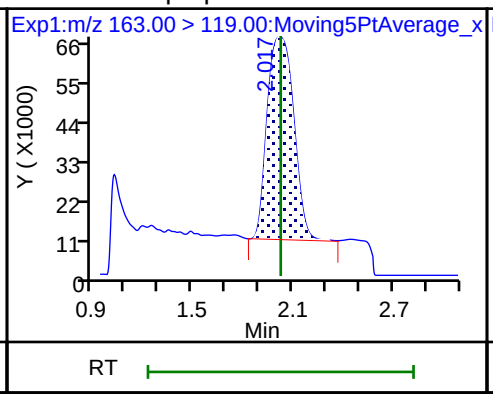
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 30570-1633-125ml Limit Group: LC - 1633 LVI- ICAL

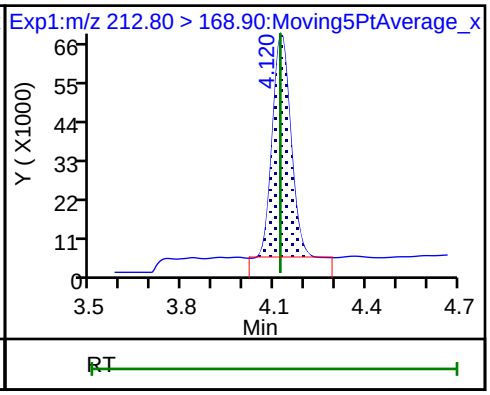
D 1 13C3PFPrA



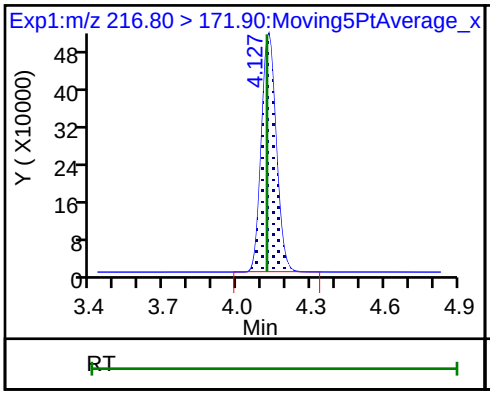
2 Perfluoropropionic acid



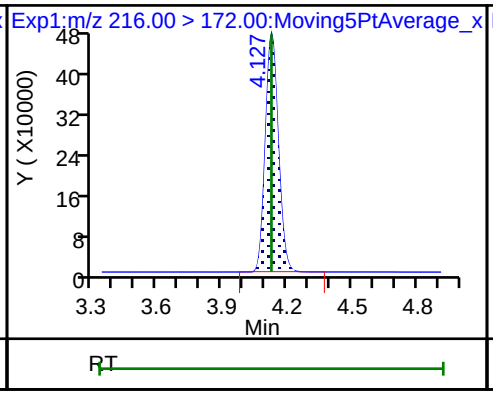
5 PFBA



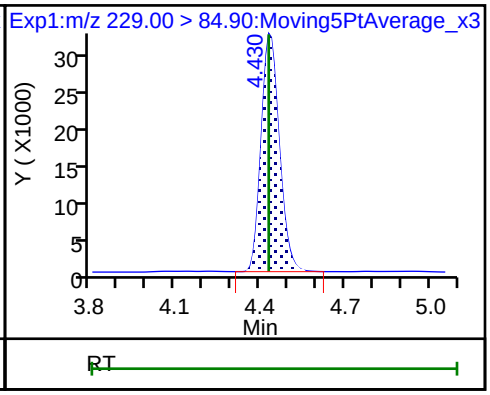
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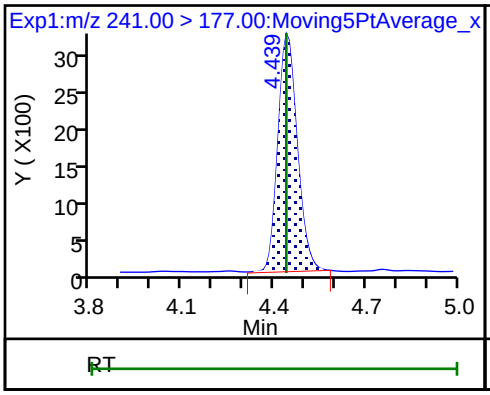
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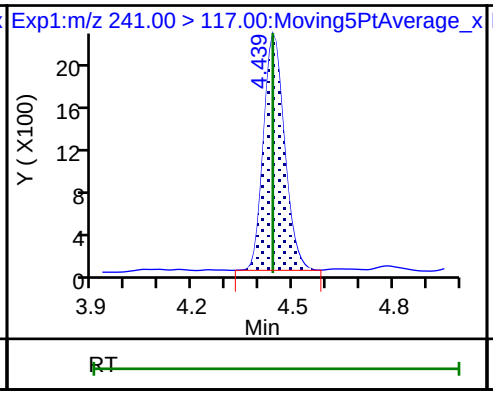
6 PFMPA



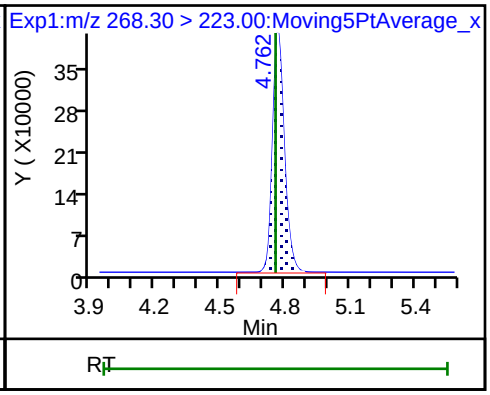
7 3:3 FTCA



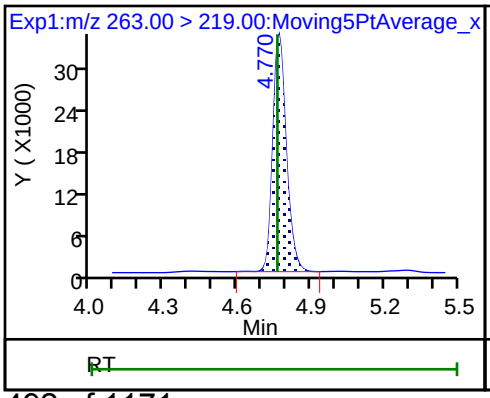
7 3:3 FTCA



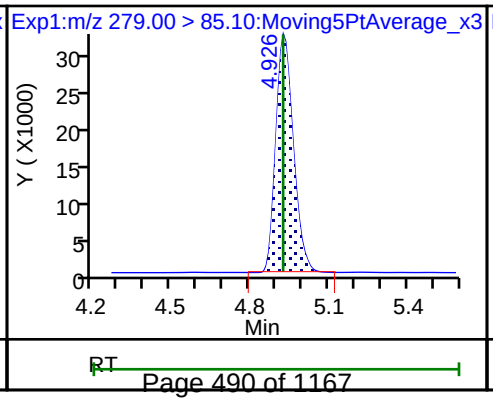
D 8 13C5 PFPeA



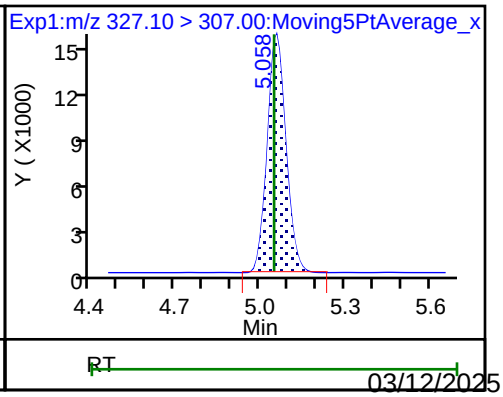
9 PFPA



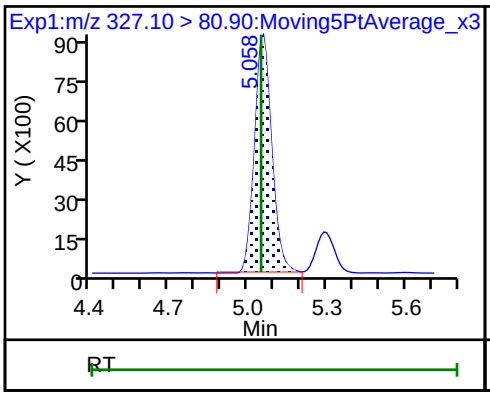
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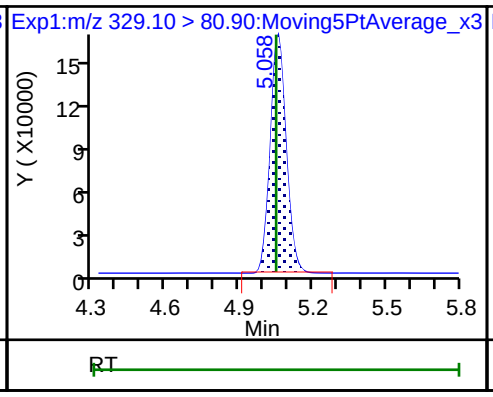
11 4:2FTS



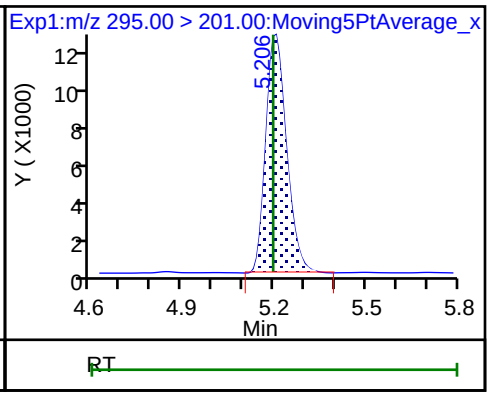
11 4:2FTS



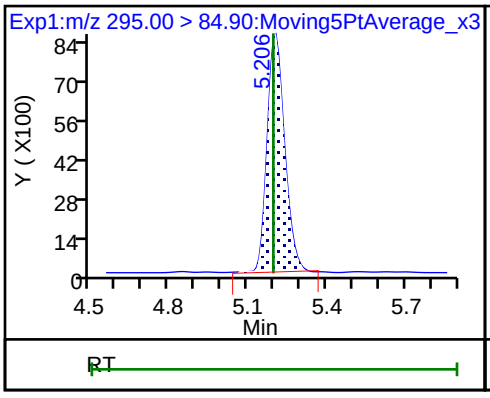
D 13 13C2-4:2FTS



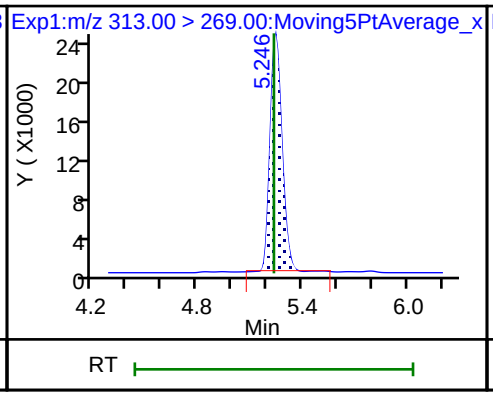
14 NFDHA



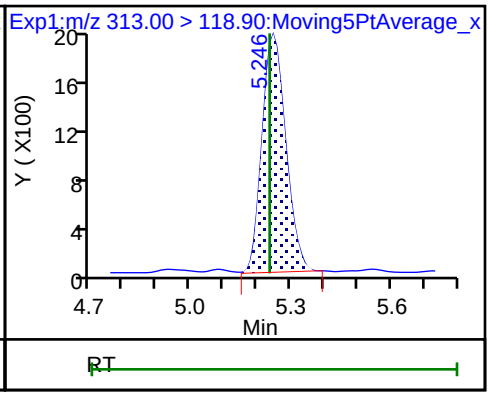
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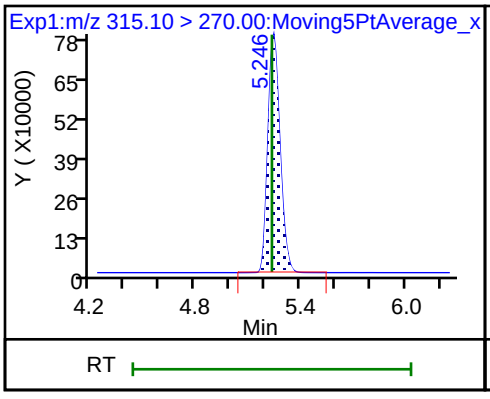
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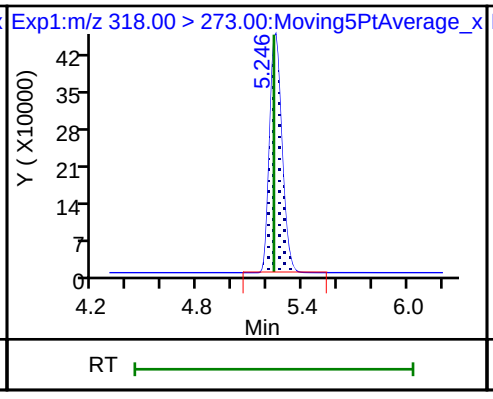
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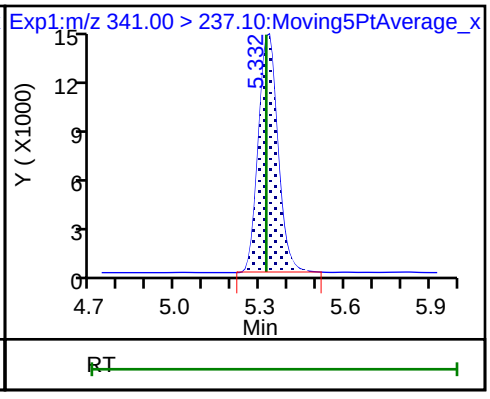
* 16 13C2 PFHxA



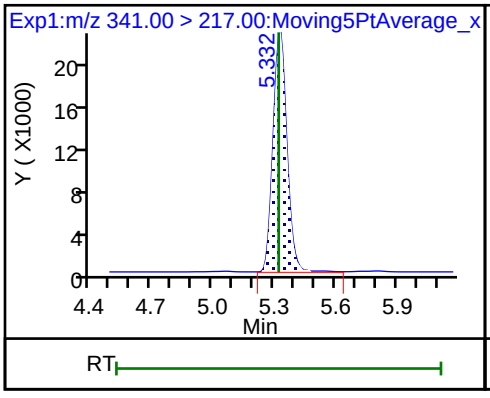
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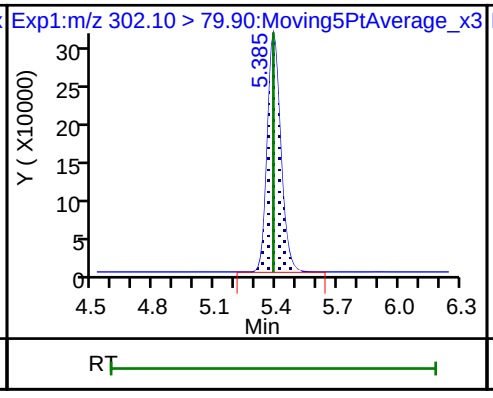
18 5:3 FTCA



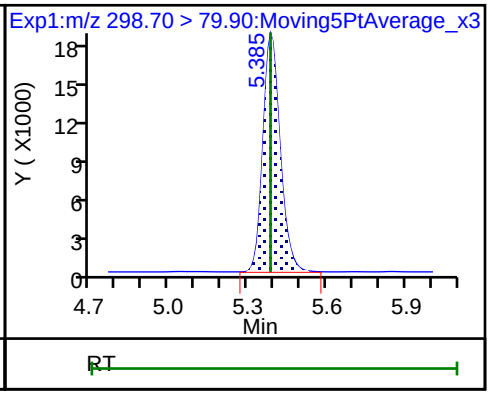
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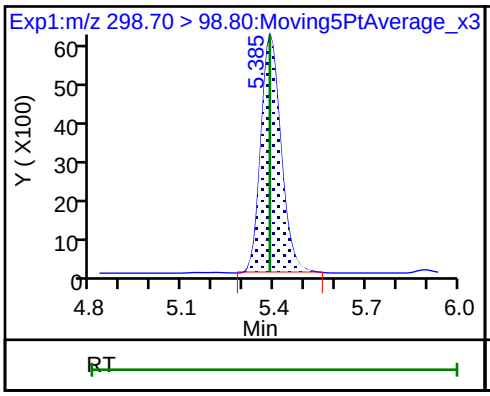
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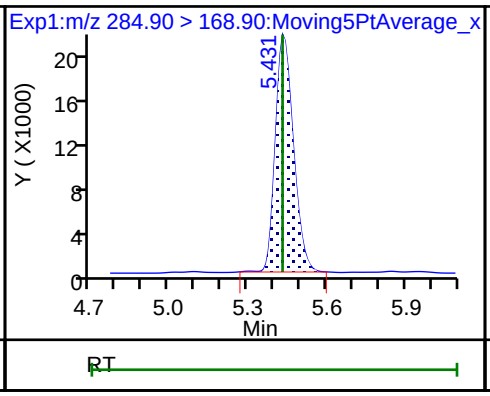
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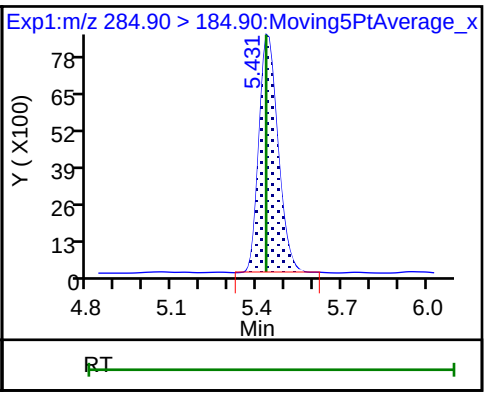
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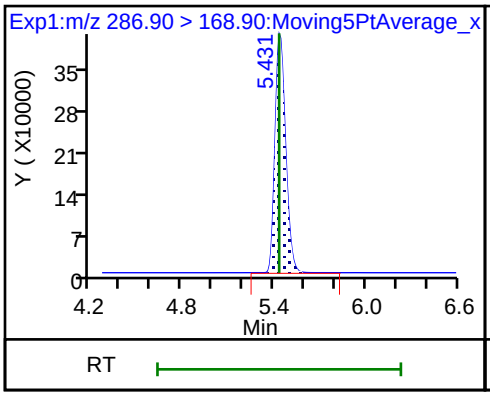
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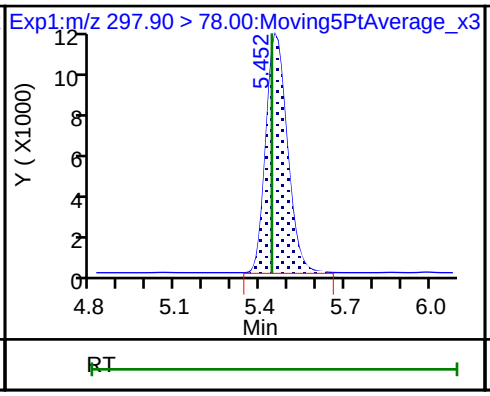
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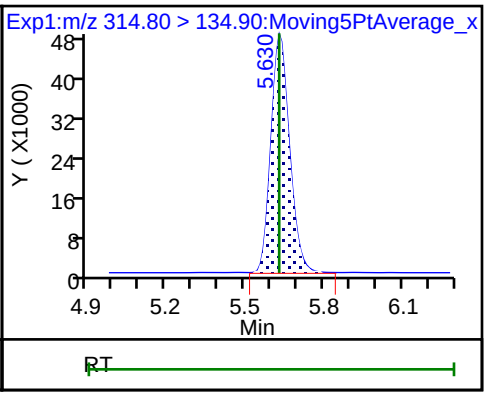
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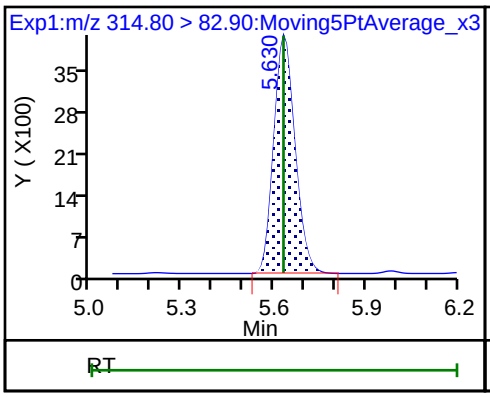
23 FBSA



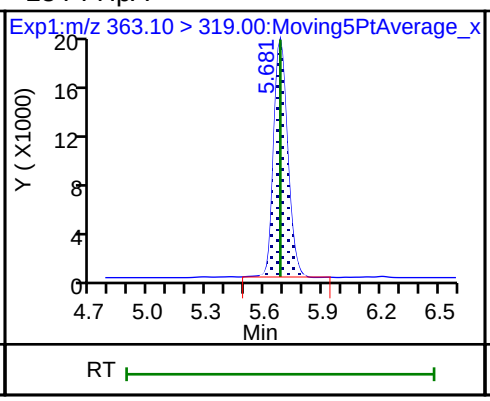
26 PFEESA



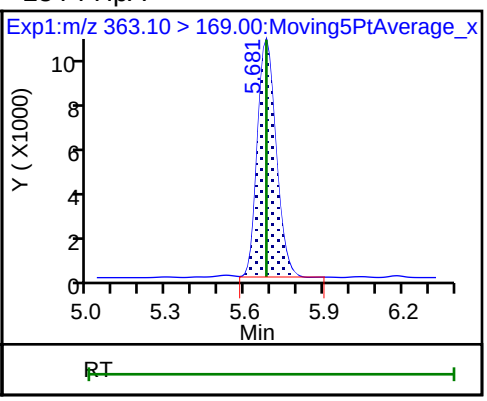
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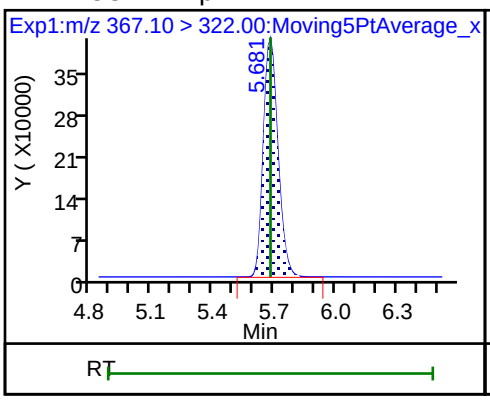
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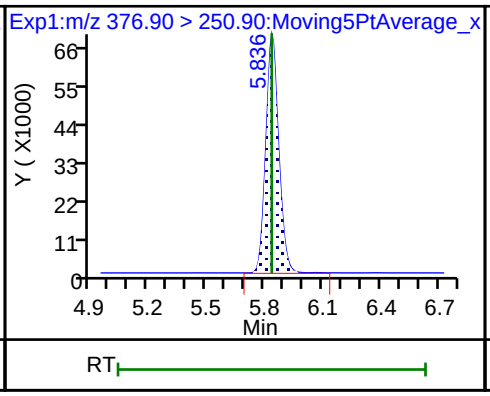
28 PFHpA



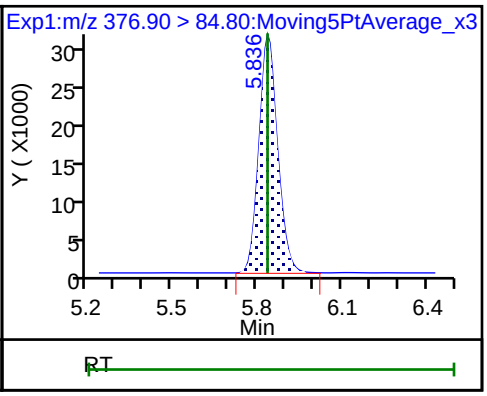
D 27 13C4 PFHpA



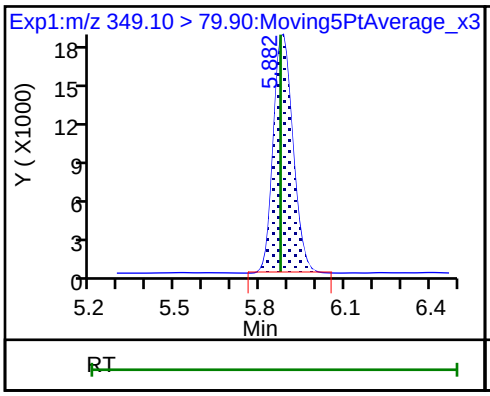
29 ADONA



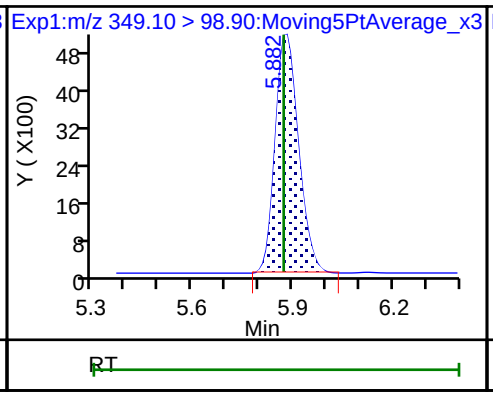
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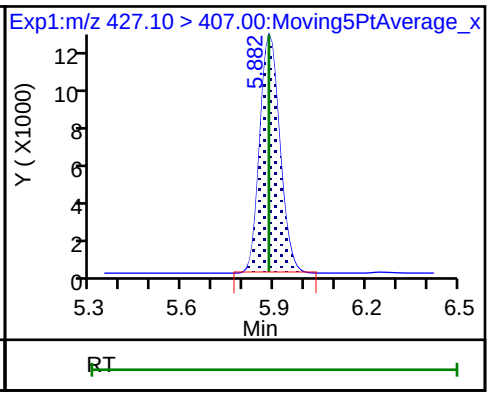
30 PFPeS



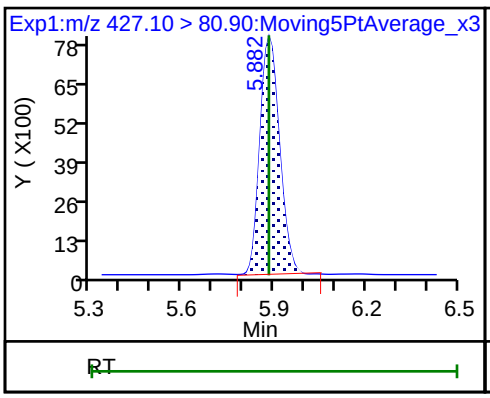
30 PFPeS



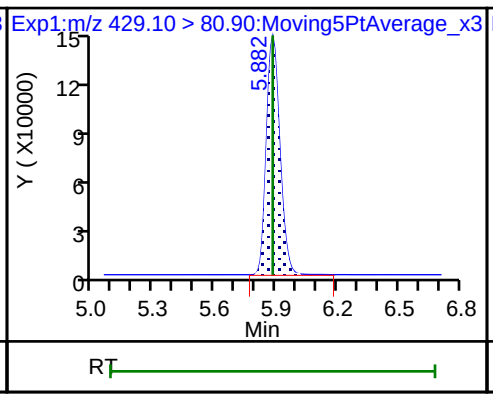
31 6:2FTS



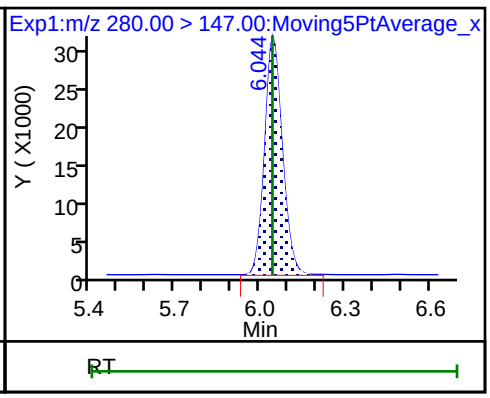
31 6:2FTS



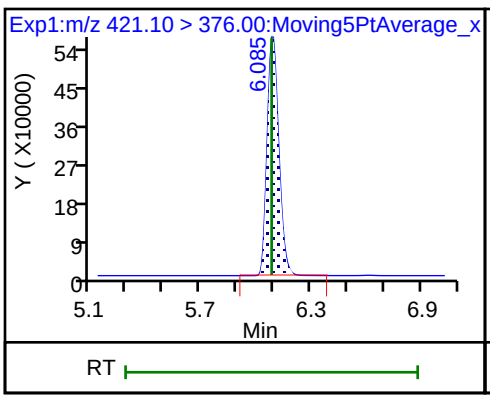
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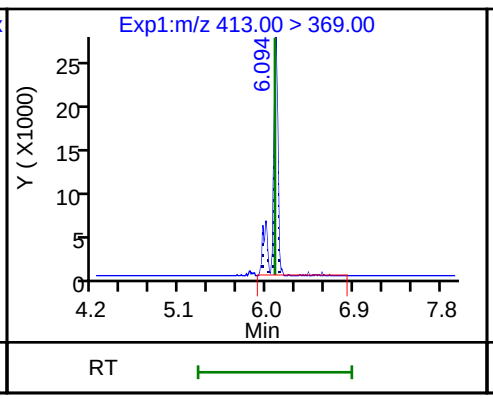
33 BTS



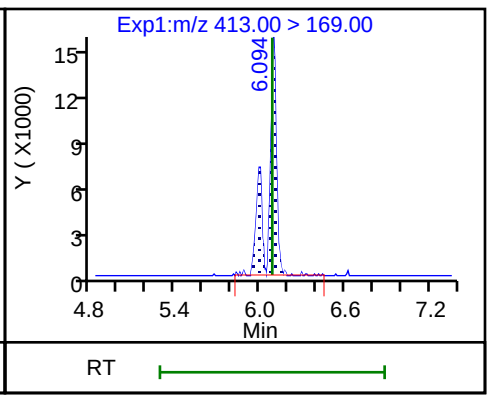
D 34 13C8 PFOA



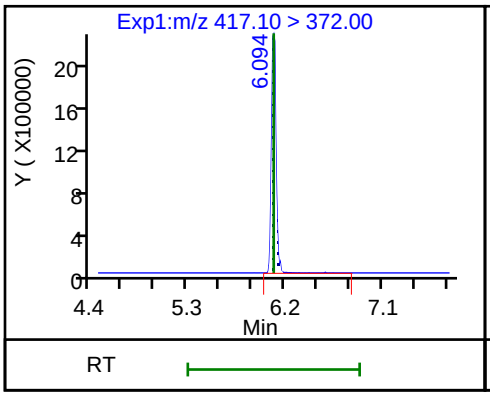
36 PFOA



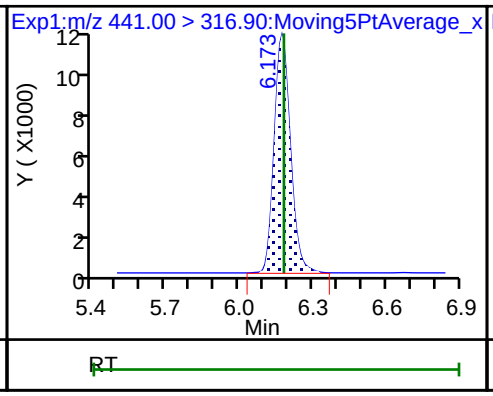
36 PFOA



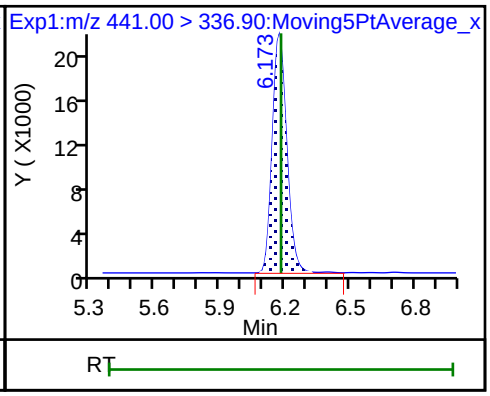
* 35 13C4 PFOA



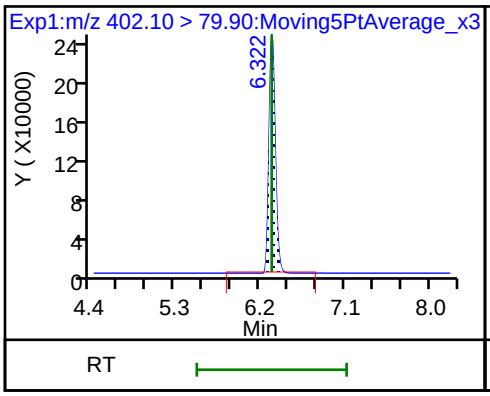
37 7:3 FTCA



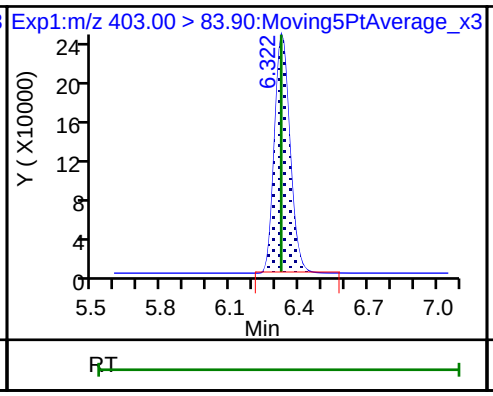
37 7:3 FTCA



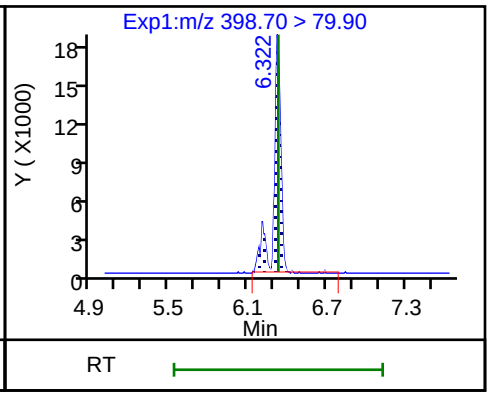
D 39 13C3 PFHxS



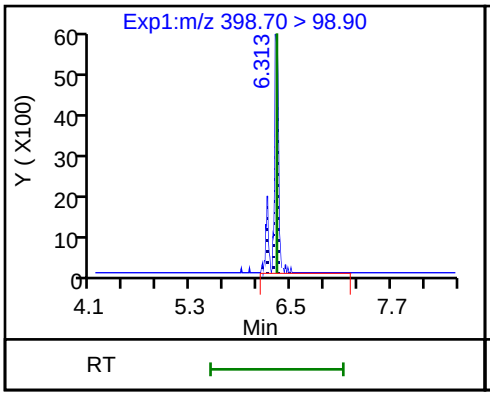
* 38 18O2 PFHxS



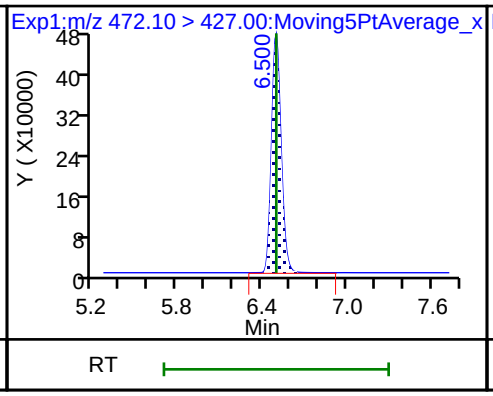
40 PFHxS



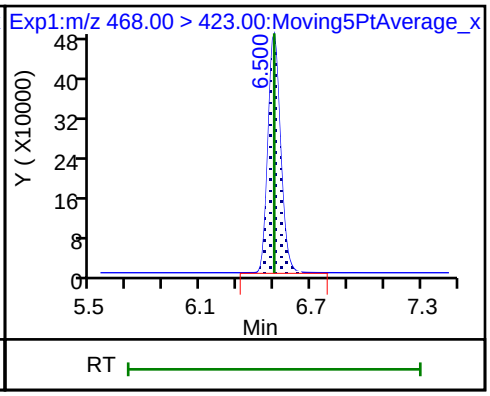
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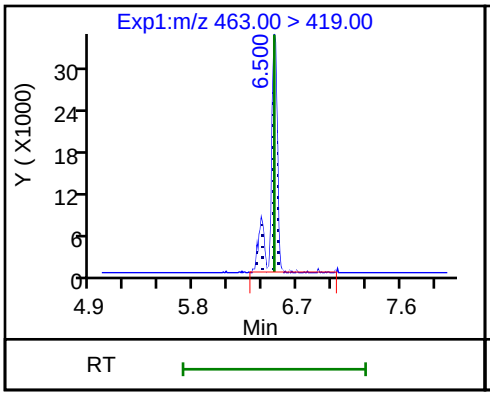
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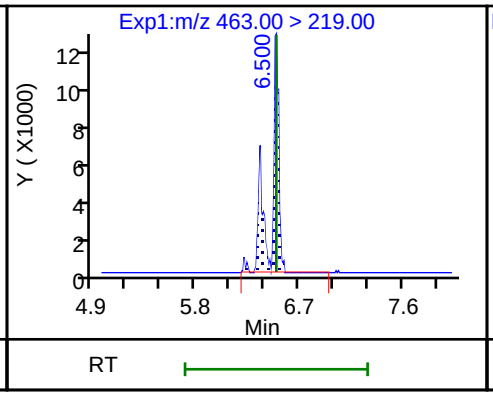
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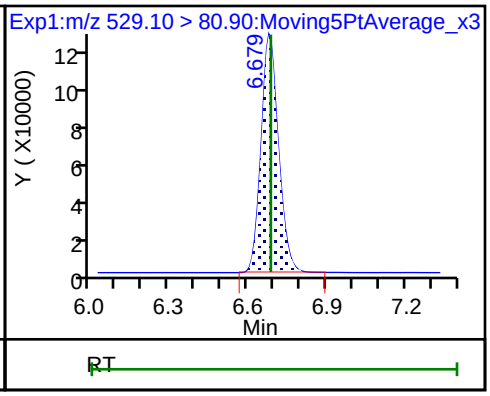
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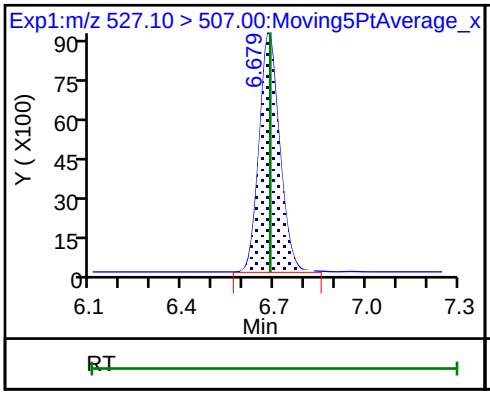
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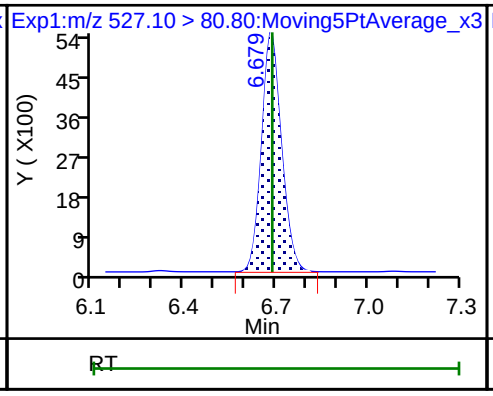
D 45 13C2-8:2FTS



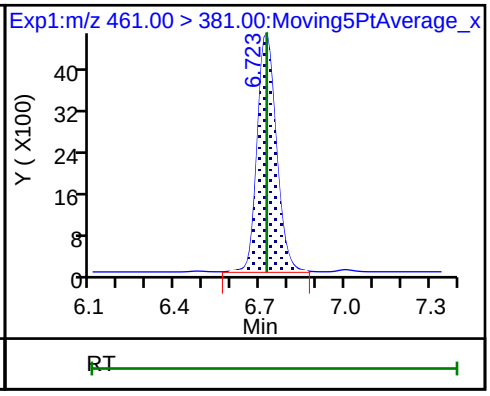
44 8:2FTS



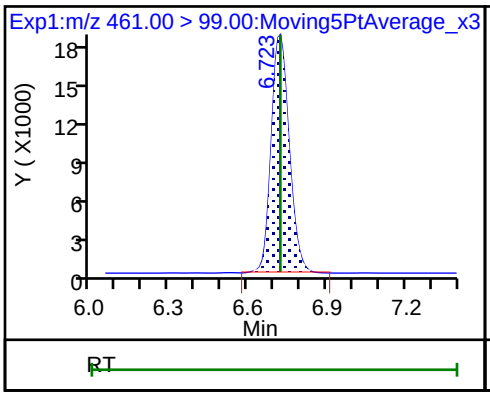
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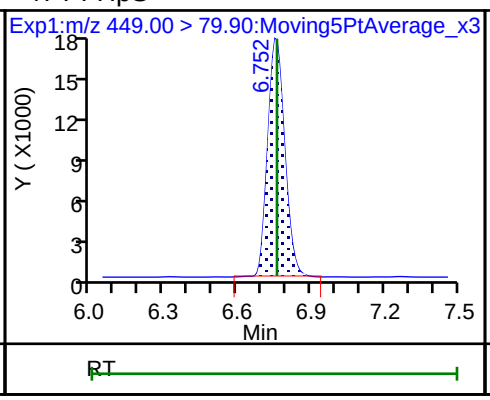
46 PFECHS



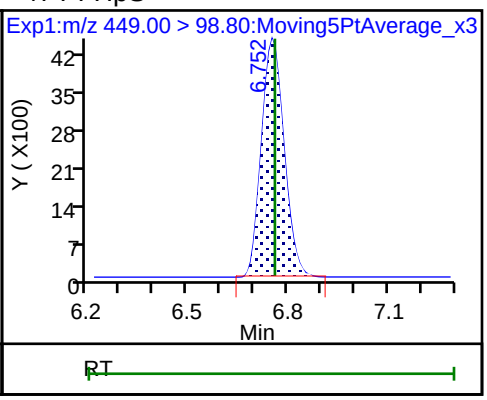
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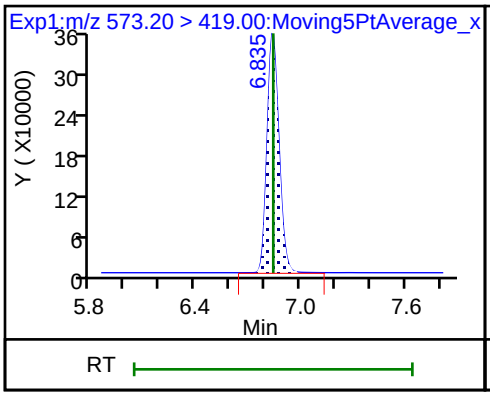
47 PFHpS



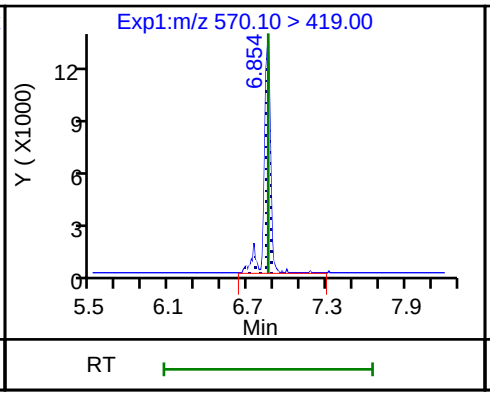
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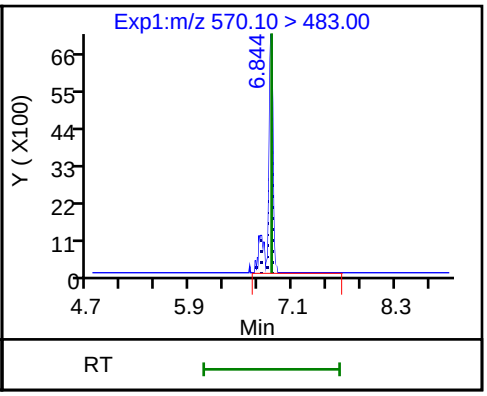
D 48 d3-NMeFOSAA



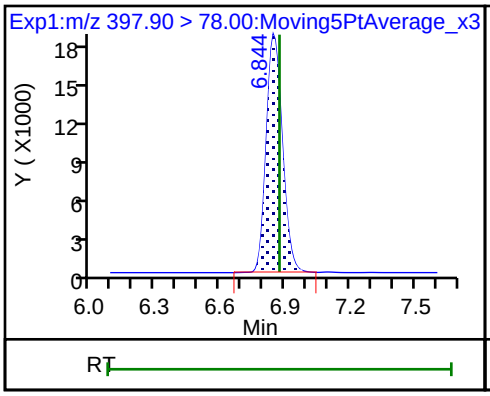
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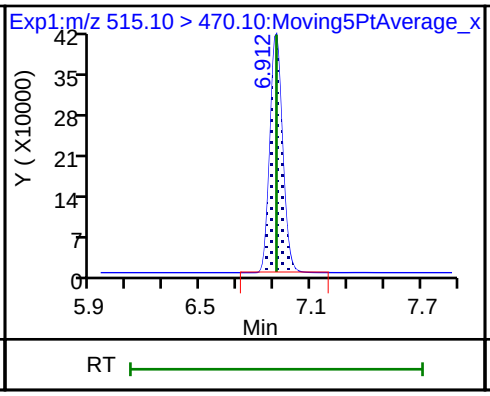
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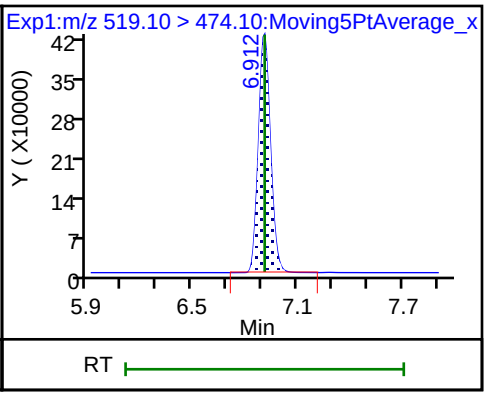
53 FHxSA



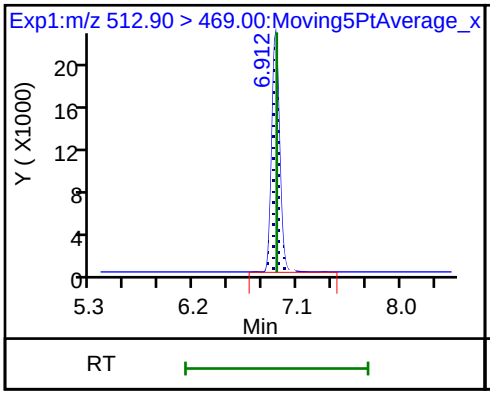
* 50 13C2 PFDA



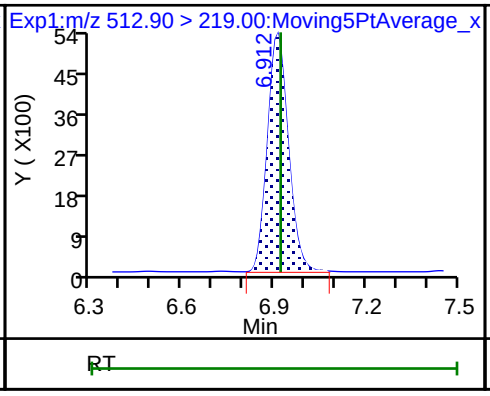
D 51 13C6 PFDA



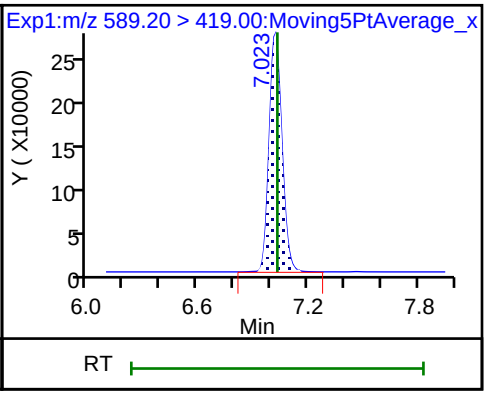
52 PFDA



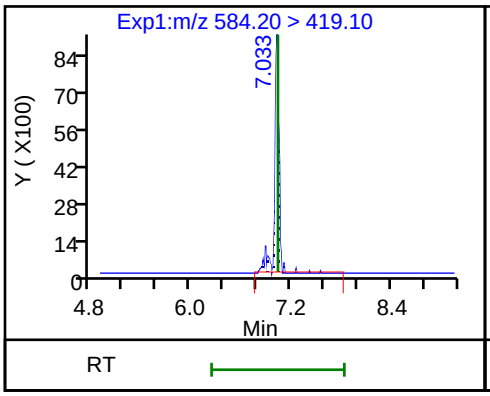
52 PFDA



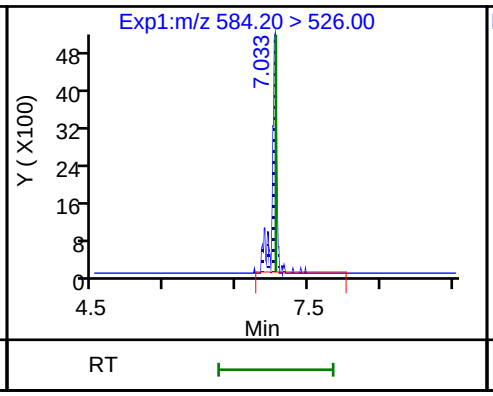
D 54 d5-NEtFOSAA



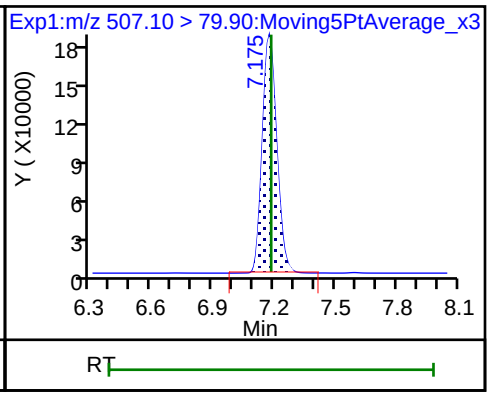
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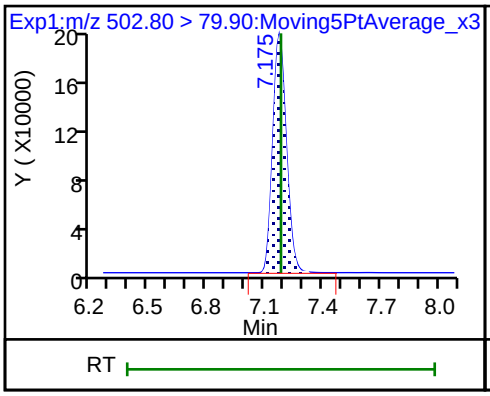
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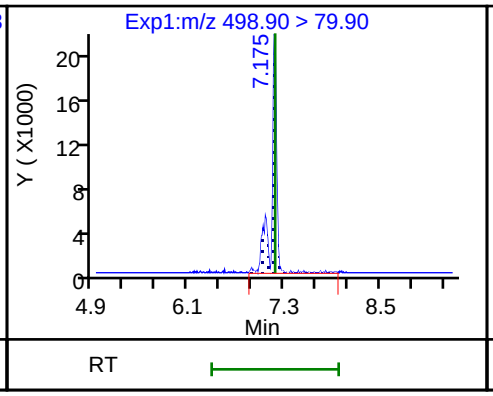
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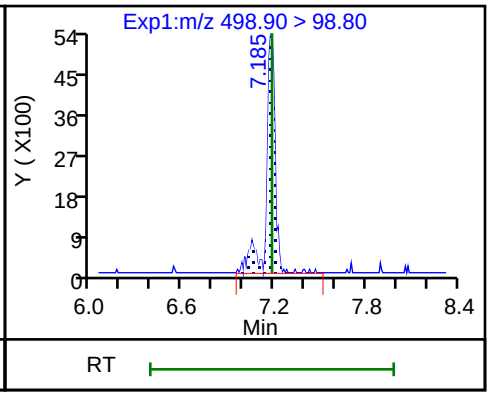
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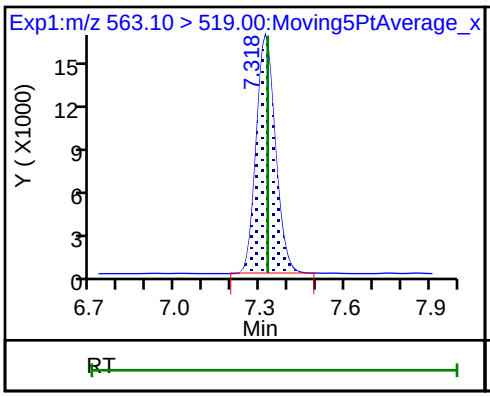
58 PFOS



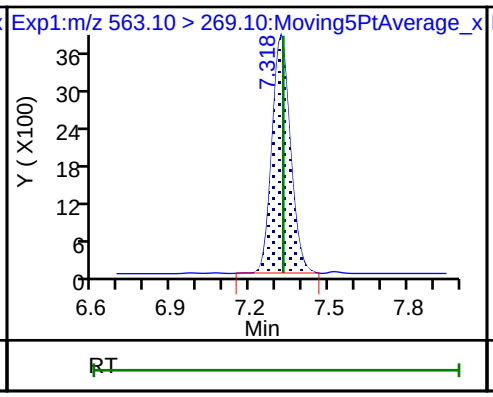
58 PFOS



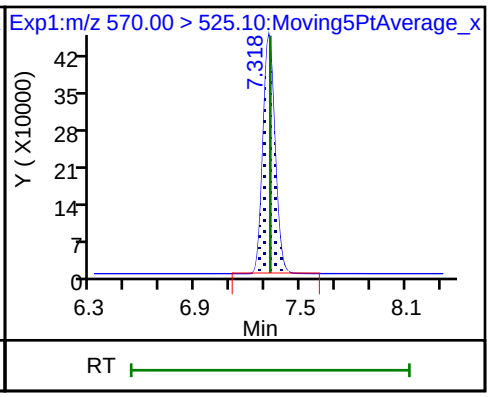
60 PFUnA



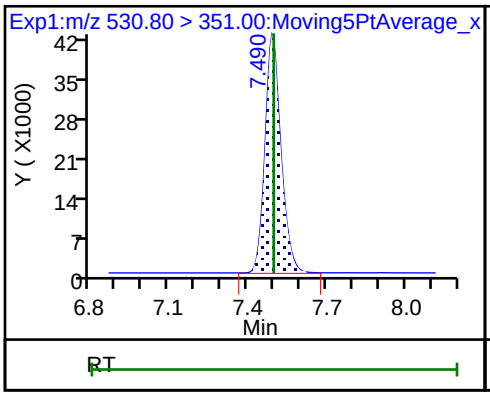
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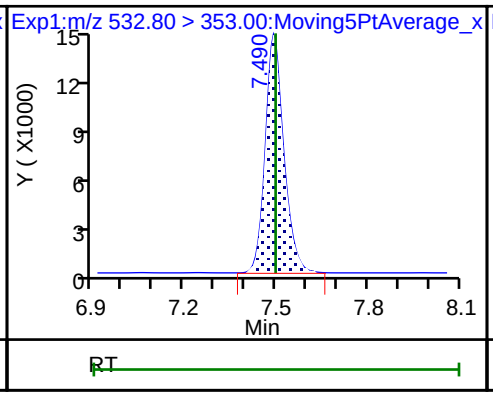
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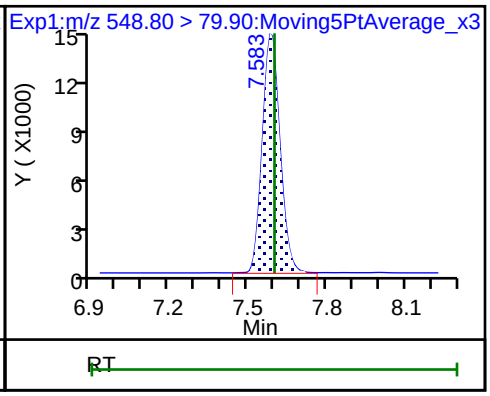
61 9ClFOS



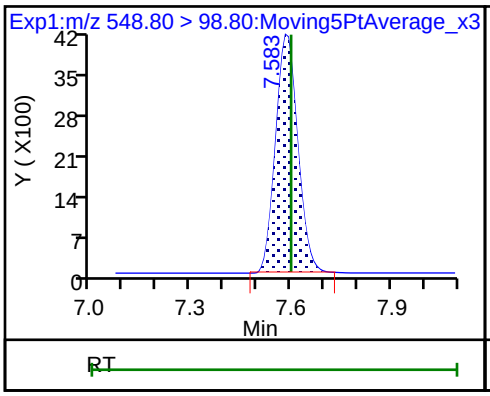
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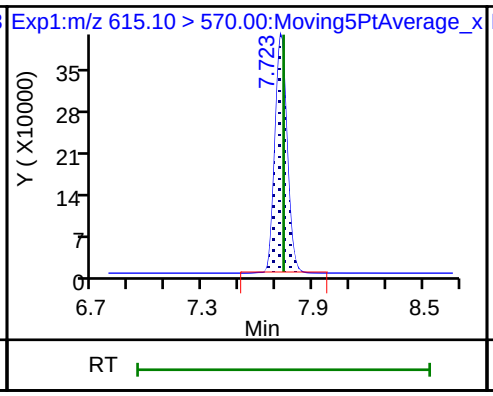
62 PFNS



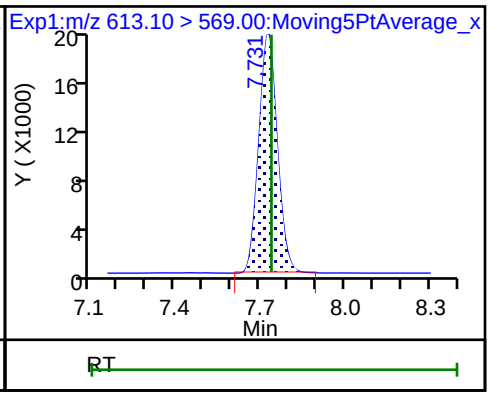
62 PFNS



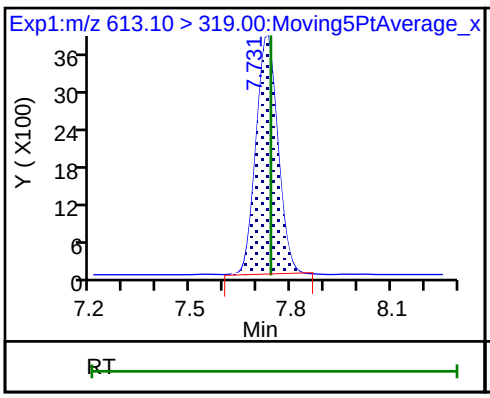
D 81 13C2 PFDoA



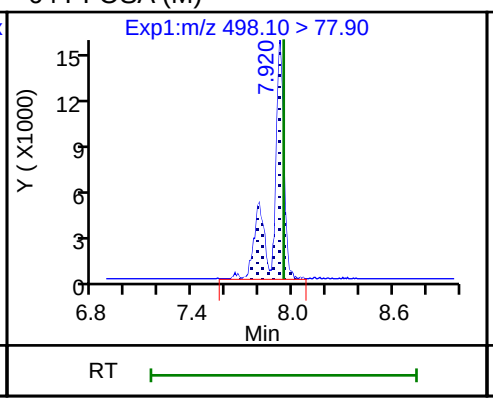
63 PFDoA



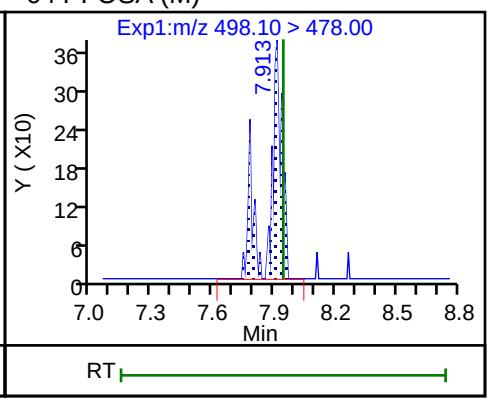
63 PFDoA



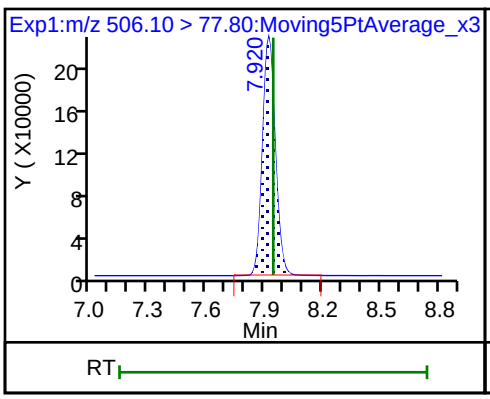
64 PFOSA (M)



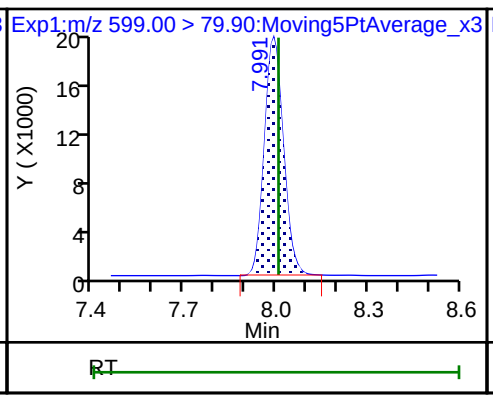
64 PFOSA (M)



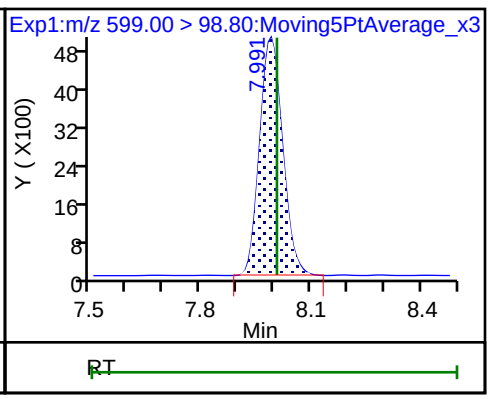
D 65 13C8 FOSA



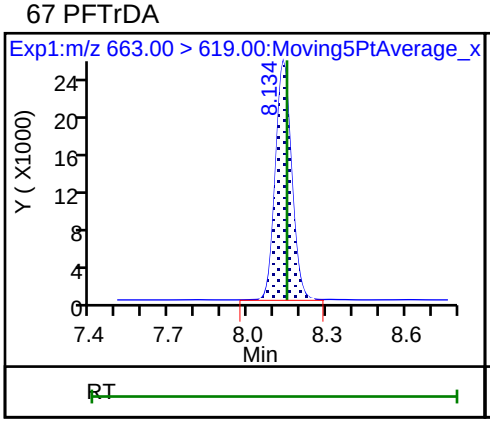
66 PFDS



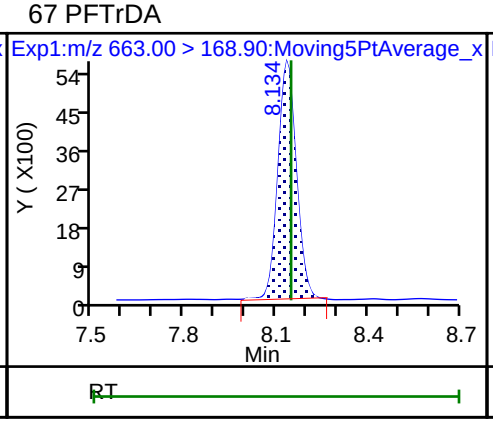
66 PFDS



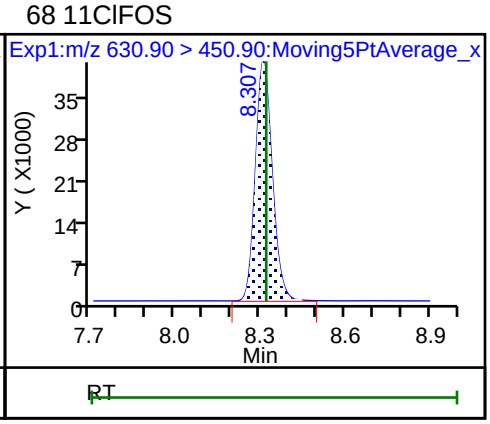
67 PFTrDA



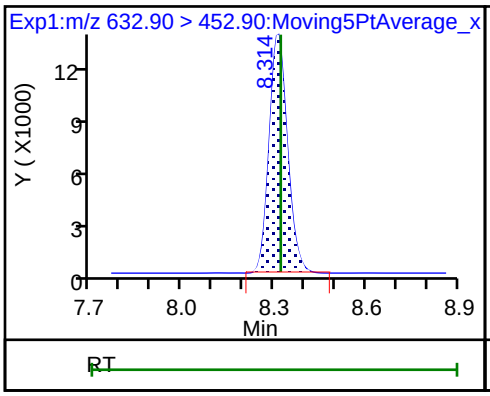
67 PFTrDA



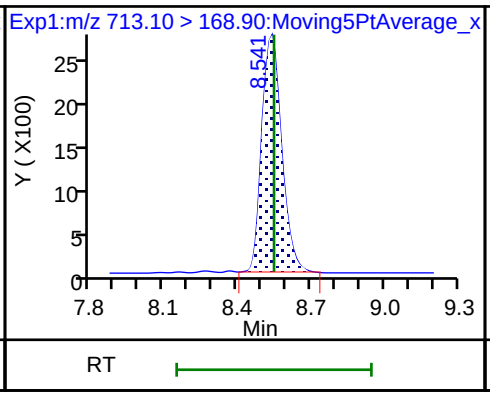
68 11ClFOS



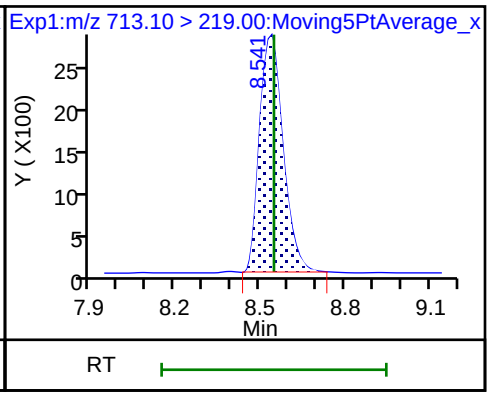
68 11ClFOS



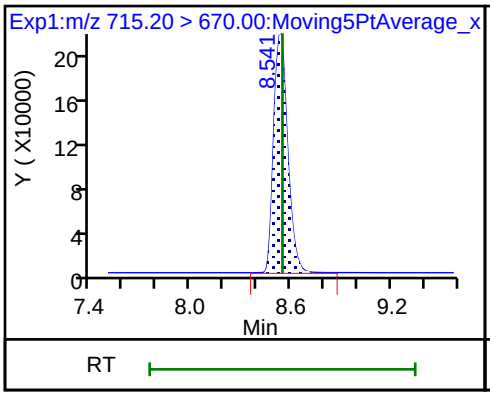
70 PFTeDA



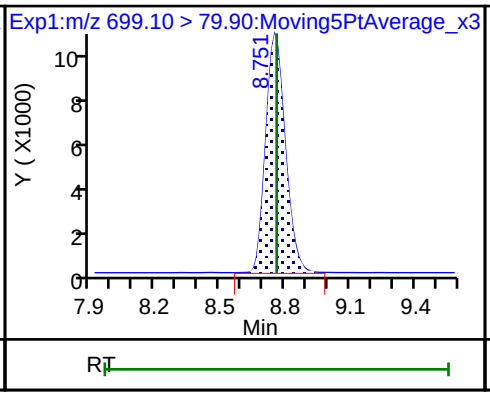
70 PFTeDA



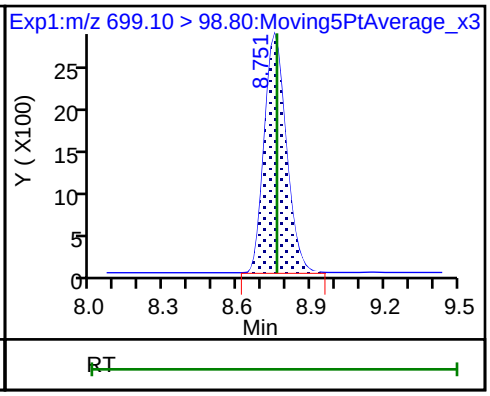
D 69 13C2 PFTeDA



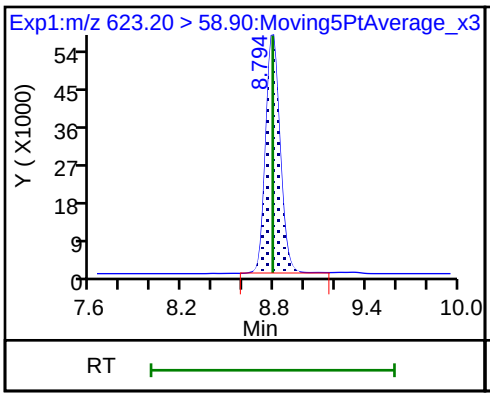
71 PFDoS



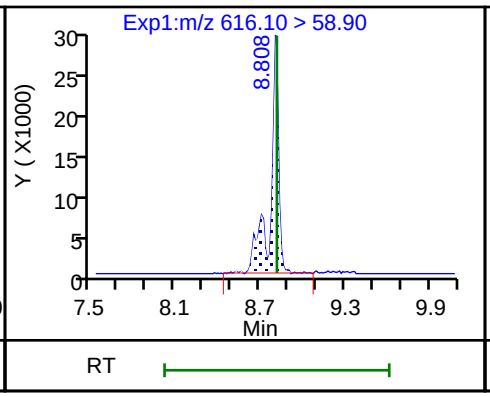
71 PFDoS



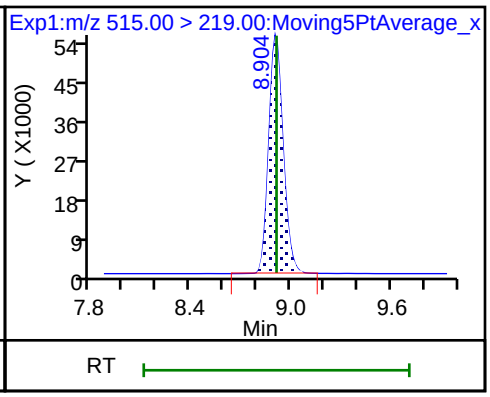
D 72 d7-N-Me-FOSE



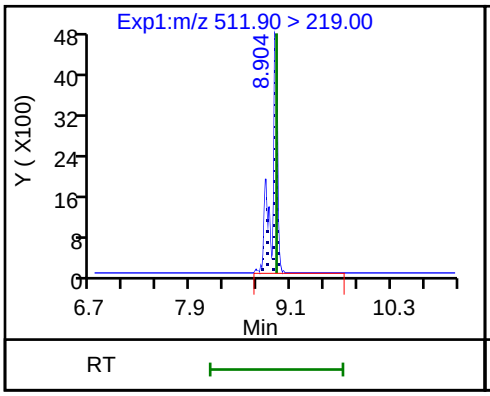
73 N-MeFOSE-M



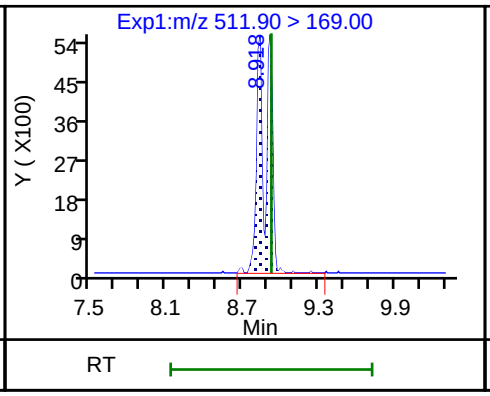
D 74 d3-NMePFOSA



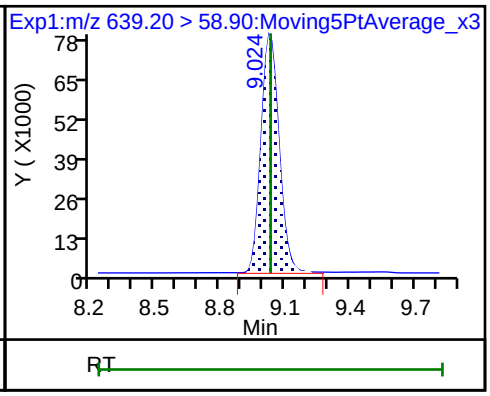
75 NMeFOSA



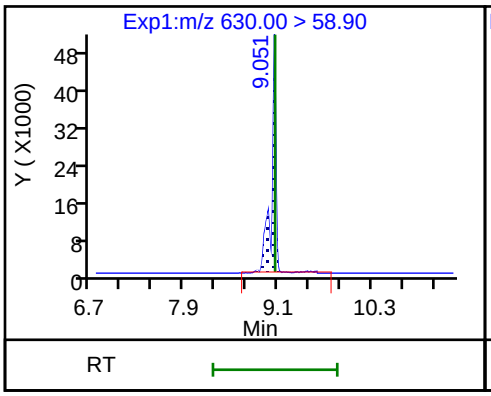
75 NMeFOSA



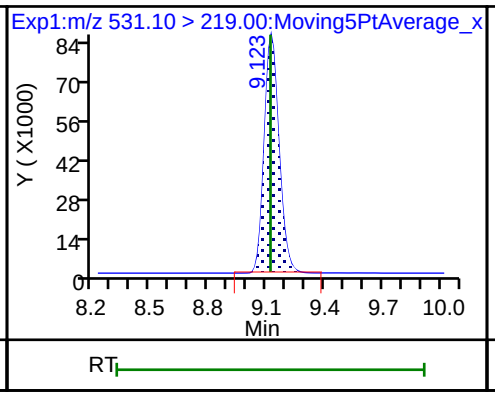
D 76 d9-N-EtFOSE



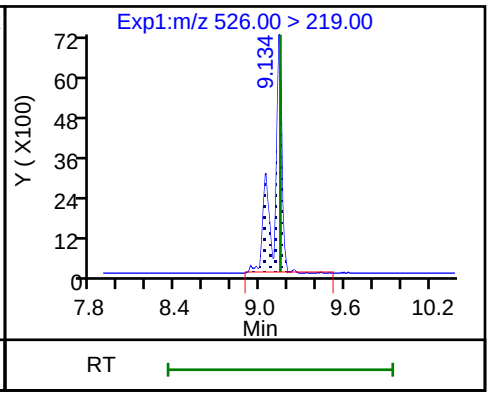
77 N-EtFOSE-M



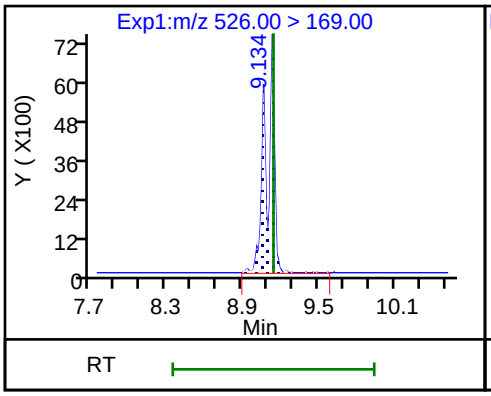
D 78 d5-NEtPFOSA



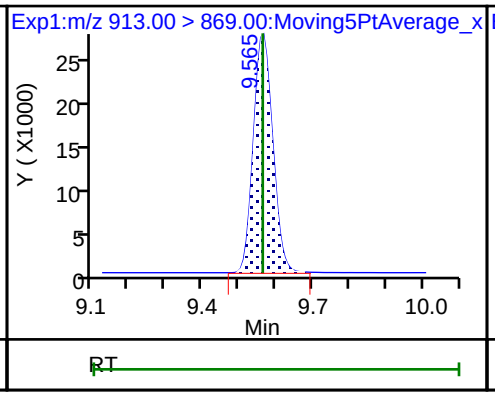
79 N-EtFOSA-M



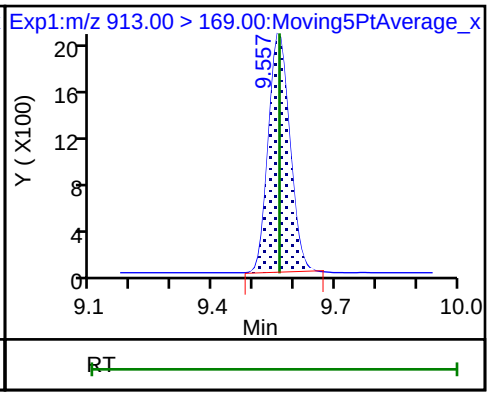
79 N-EtFOSA-M



80 Perfluorooctadecanoic acid



80 Perfluorooctadecanoic acid



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\25MAR06CAL-03.d
Lims ID: IC CAL 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 06-Mar-2025 19:40:49 ALS Bottle#: 4 Worklist Smp#: 3
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: CAL 3
Misc. Info.: Plate: 1 Rack: 1
Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570
Sublist: chrom-30570-1633-125ml*sub2

Method: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\30570-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 07-Mar-2025 18:45:21 Calib Date: 06-Mar-2025 20:48:33
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\25MAR06CAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1645

First Level Reviewer: RPU6 Date: 06-Mar-2025 20:17:33
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C3PFPrA										
166.00 > 121.00	2.011	2.026	-0.015	0.487	1165259	2.00		99.8	367	
2 Perfluoropropionic acid										
163.00 > 119.00	2.020	2.026	-0.006	1.004	1510300	2.40		96.1	27.6	
5 PFBA										
212.80 > 168.90	4.127	4.119	0.007	0.998	624094	0.9586		95.9	765	
D 3 13C4-PFBA										
216.80 > 171.90	4.134	4.119	0.015	1.000	1388164	2.00		99.9	49536	
* 4 13C3PFBA										
216.00 > 172.00	4.134	4.127	0.007		1293074	2.00			1873	
6 PFMPA										
229.00 > 84.90	4.439	4.430	0.009	0.931	323666	0.4675		93.5	14593	
7 3:3 FTCA										
241.00 > 177.00	4.448	4.439	0.009	0.933	36116	1.01	Target=1.52	101	2752	
241.00 > 117.00	4.448	4.439	0.009	0.933	24060		1.50(0.76-2.29)	101	1824	
D 8 13C5 PFPeA										
268.30 > 223.00	4.770	4.755	0.015	0.909	1041111	2.08		104	68541	
9 PFPA										
263.00 > 219.00	4.770	4.762	0.008	1.000	329778	0.5070		101	10728	
10 PFMBA										
279.00 > 85.10	4.935	4.926	0.009	1.035	362852	0.4942		98.8	19597	
11 4:2FTS										
327.10 > 307.00	5.058	5.049	0.009	1.000	168961	0.8684	Target=1.60	93.0	12666	
327.10 > 80.90	5.058	5.049	0.009	1.000	113310		1.49(0.80-2.40)	93.0	3688	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.058	5.049	0.009	0.800	503048	4.70		100	28215	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.206	5.196	0.010	0.992	153578	0.4950	Target=1.56	99.0	11200	
295.00 > 84.90	5.206	5.196	0.010	0.992	94099		1.63(0.78-2.33)	99.0	6703	
17 PFHxA										
313.00 > 269.00	5.246	5.236	0.010	1.000	261149	0.4461	Target=10.95	89.2	10647	
313.00 > 118.90	5.246	5.236	0.010	1.000	23900		10.93(5.48-16.43)	89.2	1629	
* 16 13C2 PFHxA										
315.10 > 270.00	5.246	5.236	0.010		2502819	5.00			104337	
D 15 13C5 PFHxA										
318.00 > 273.00	5.246	5.236	0.010	1.000	1426776	2.12		106	99102	
18 5:3 FTCA										
341.00 > 237.10	5.332	5.321	0.011	1.016	175682	2.30	Target=0.72	92.2	12503	
341.00 > 217.00	5.332	5.321	0.011	1.016	245328		0.72(0.36-1.08)	92.2	17438	
D 20 13C3 PFBS										
302.10 > 79.90	5.394	5.385	0.009	0.853	931951	1.78		95.5	67922	
19 PFBS										
298.70 > 79.90	5.394	5.385	0.009	1.000	195778	0.4368	Target=2.90	98.4	14421	
298.70 > 98.80	5.394	5.385	0.009	1.000	67966		2.88(1.45-4.35)	98.4	5045	
21 HFPO-DA										
284.90 > 168.90	5.441	5.431	0.010	1.000	249438	0.3538	Target=2.63	94.3	8754	
284.90 > 184.90	5.441	5.431	0.010	1.000	91427		2.73(1.32-3.95)	94.3	6412	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.441	5.431	0.010	1.037	1303079	2.14		107	91274	
23 FBSA										
297.90 > 78.00	5.462	5.441	0.021	1.013	143943	0.4780		95.6	9304	
26 PFEESA										
314.80 > 134.90	5.639	5.630	0.009	1.075	587539	0.4121	Target=12.49	92.4	39859	
314.80 > 82.90	5.639	5.630	0.009	1.075	51631		11.38(6.24-18.74)	92.4	3494	
28 PFHpA										
363.10 > 319.00	5.681	5.681	-0.001	1.000	219163	0.4505	Target=1.89	90.1	11083	
363.10 > 169.00	5.681	5.681	-0.001	1.000	124337		1.76(0.95-2.84)	90.1	8355	
D 27 13C4 PFHpA										
367.10 > 322.00	5.681	5.681	-0.001	1.083	1332307	2.09		104	67492	
29 ADONA										
376.90 > 250.90	5.836	5.836	0.0	1.073	763606	0.4768	Target=2.13	101	55180	
376.90 > 84.80	5.836	5.836	0.0	1.073	351760		2.17(1.07-3.20)	101	25519	
30 PFPeS										
349.10 > 79.90	5.882	5.872	0.010	0.930	206979	0.4359	Target=3.41	92.8	14873	
349.10 > 98.90	5.882	5.872	0.010	0.930	62235		3.33(1.70-5.11)	92.8	4459	
31 6:2FTS										
427.10 > 407.00	5.882	5.882	0.0	1.000	141107	0.8698	Target=1.64	91.8	10185	
427.10 > 80.90	5.882	5.882	0.0	1.000	92129		1.53(0.82-2.45)	91.8	6584	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.882	5.882	0.0	0.930	437434	4.89		103	32097	
33 BTS										
280.00 > 147.00	6.051	6.043	0.008	0.957	318263	0.4327		88.4	24572	
D 34 13C8 PFOA										
421.10 > 376.00	6.094	6.085	0.009	1.000	1609581	2.01		100	122262	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
36 PFOA										
413.00 > 369.00	6.102	6.085	0.017	1.001	222990	0.4618	Target=1.63	92.4	377	
413.00 > 169.00	6.102	6.085	0.017	1.001	134211		1.66(0.82-2.45)	92.4	32901	
* 35 13C4 PFOA										
417.10 > 372.00	6.094	6.093	0.001		4039938	5.00			7349	
37 7:3 FTCA										
441.00 > 316.90	6.172	6.181	-0.009	1.177	134677	2.32	Target=0.59	92.7	9862	
441.00 > 336.90	6.172	6.181	-0.009	1.177	245966		0.55(0.29-0.88)	92.7	18489	
D 39 13C3 PFHxS										
402.10 > 79.90	6.321	6.321	0.0	1.000	749392	1.86		97.9	53666	
* 38 18O2 PFHxS										
403.00 > 83.90	6.321	6.321	0.0		789545	1.89			56712	
40 PFHxS										
398.70 > 79.90	6.330	6.330	0.0	1.001	153896	0.4321	Target=3.32	94.7	302	
398.70 > 98.90	6.330	6.330	0.0	1.001	47880		3.21(1.66-4.98)	94.7	17546	
43 PFNA										
463.00 > 419.00	6.499	6.499	0.0	1.000	307418	0.4908	Target=2.60	98.2	569	
463.00 > 219.00	6.499	6.499	0.0	1.000	117702		2.61(1.30-3.91)	98.2	256	
D 42 13C9 PFNA										
472.10 > 427.00	6.499	6.499	0.0	1.000	1425322	2.02		101	101048	
* 41 13C5 PFNA										
468.00 > 423.00	6.499	6.499	0.0		1442768	2.00			102475	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.678	6.686	-0.008	1.056	350829	4.66		97.0	25403	
44 8:2FTS										
527.10 > 507.00	6.678	6.686	-0.008	1.000	107951	0.9530	Target=1.64	99.5	7851	
527.10 > 80.80	6.678	6.686	-0.008	1.000	65141		1.66(0.82-2.45)	99.5	4635	
46 PFECHS										
461.00 > 381.00	6.723	6.723	0.0	1.064	51310	0.4137	Target=0.25	89.5	3521	
461.00 > 99.00	6.723	6.723	0.0	1.064	218213		0.24(0.13-0.38)	89.5	15148	
47 PFHpS										
449.00 > 79.90	6.760	6.760	0.0	0.942	197922	0.4697	Target=3.90	98.5	14093	
449.00 > 98.80	6.760	6.760	0.0	0.942	52988		3.74(1.95-5.85)	98.5	3816	
D 48 d3-NMeFOSAA										
573.20 > 419.00	6.843	6.843	0.0	0.954	1060968	5.13		103	74533	
49 NMeFOSAA										
570.10 > 419.00	6.853	6.853	0.0	1.001	103497	0.4725	Target=1.75	94.5	84.5	
570.10 > 483.00	6.843	6.853	-0.010	1.000	57928		1.79(0.87-2.62)	94.5	167	
53 FHxSA										
397.90 > 78.00	6.853	6.874	-0.021	1.084	240564	0.4806		96.1	15332	
* 50 13C2 PFDA										
515.10 > 470.10	6.911	6.911	0.0		1306796	2.00			91895	
D 51 13C6 PFDA										
519.10 > 474.10	6.911	6.911	0.0	1.000	1323549	1.98		99.2	92274	
52 PFDA										
512.90 > 469.00	6.911	6.920	-0.009	1.000	225869	0.4684	Target=4.00	93.7	15353	
512.90 > 219.00	6.911	6.920	-0.009	1.000	56444		4.00(2.00-6.00)	93.7	4010	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.022	7.033	-0.011	0.979	892131	5.11		102	46214	
55 NEtFOSAA										
584.20 > 419.10	7.032	7.043	-0.011	1.001	68630	0.4540	Target=1.50	90.8	262	
584.20 > 526.00	7.032	7.043	-0.011	1.001	47299		1.45(0.75-2.25)	90.8	13315	
D 56 13C8 PFOS										
507.10 > 79.90	7.174	7.184	-0.010	1.000	621052	1.92		101	32005	
* 57 13C4 PFOS										
502.80 > 79.90	7.174	7.184	-0.010		617404	1.91			42372	
58 PFOS										
498.90 > 79.90	7.184	7.184	0.0	1.001	212124	0.4473	Target=4.37	96.2	27997	
498.90 > 98.80	7.174	7.184	-0.010	1.000	51961		4.08(2.18-6.55)	96.2	219	
60 PFUnA										
563.10 > 519.00	7.317	7.326	-0.009	1.000	162165	0.4293	Target=3.87	85.9	11477	
563.10 > 269.10	7.317	7.326	-0.009	1.000	44526		3.64(1.93-5.80)	85.9	3078	
D 59 13C7 PFUnA										
570.00 > 525.10	7.317	7.326	-0.009	1.059	1404246	2.02		101	73997	
61 9ClFOS										
530.80 > 351.00	7.490	7.497	-0.007	1.377	424388	0.4320	Target=2.97	92.5	33236	
532.80 > 353.00	7.490	7.497	-0.007	1.377	148452		2.86(1.48-4.45)	92.5	11698	
62 PFNS										
548.80 > 79.90	7.583	7.600	-0.017	1.057	168365	0.4615	Target=3.70	95.9	12229	
548.80 > 98.80	7.583	7.600	-0.017	1.057	45870		3.67(1.85-5.55)	95.9	3334	
D 81 13C2 PFDoA										
615.10 > 570.00	7.731	7.739	-0.008	1.119	1197936	2.00		100	64215	
63 PFDoA										
613.10 > 569.00	7.731	7.739	-0.008		215521	0.4666	Target=4.68	93.3	15534	
613.10 > 319.00	7.731	7.739	-0.008		47096		4.58(2.34-7.01)	93.3	3372	
64 PFOSA										M
498.10 > 77.90	7.928	7.944	-0.016	1.000	154706	0.4741	Target=50.02	94.8	547	M
498.10 > 478.00	7.928	7.944	-0.016	1.000	2609		59.30(25.01-75.03)	94.8	12.8	M
D 65 13C8 FOSA										
506.10 > 77.80	7.928	7.944	-0.016	1.105	691663	2.00		100.0	37796	
66 PFDS										
599.00 > 79.90	7.991	8.007	-0.016	1.114	207967	0.4532	Target=3.88	94.0	15823	
599.00 > 98.80	7.991	8.007	-0.016	1.114	52575		3.96(1.94-5.82)	94.0	4052	
67 PFTrDA										
663.00 > 619.00	8.141	8.148	-0.007	0.954	245520	0.4691	Target=4.52	93.8	19242	
663.00 > 168.90	8.141	8.148	-0.007	0.954	54141		4.53(2.26-6.79)	93.8	4265	
68 11ClFOS										
630.90 > 450.90	8.314	8.321	-0.007	1.528	385396	0.4296	Target=2.95	91.0	31123	
632.90 > 452.90	8.314	8.321	-0.007	1.528	126934		3.04(1.47-4.42)	91.0	10278	
70 PFTeDA										
713.10 > 168.90	8.536	8.548	-0.012	1.000	34823	0.4787	Target=0.91	95.7	2037	
713.10 > 219.00	8.536	8.548	-0.012	1.000	37368		0.93(0.45-1.36)	95.7	2200	
D 69 13C2 PFTeDA										
715.20 > 670.00	8.536	8.548	-0.012	1.235	826599	1.95		97.4	48558	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
71 PFDoS										
699.10 > 79.90	8.761	8.760	0.001	1.221	167267	0.4585	Target=4.00	94.5	8770	
699.10 > 98.80	8.761	8.760	0.001	1.221	41089		4.07(2.00-6.00)	94.5	2144	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.789	8.789	0.0	1.225	239473	4.82		96.4	4662	
73 N-MeFOSE-M										
616.10 > 58.90	8.818	8.818	0.0	1.003	279289	2.38		95.2	1435	
D 74 d3-NMePFOSA										
515.00 > 219.00	8.913	8.913	0.0	1.242	224799	1.97		98.7	12615	
75 NMeFOSA										
511.90 > 219.00	8.927	8.926	0.001	1.001	47578	0.4559	Target=0.65	91.2	343	
511.90 > 169.00	8.927	8.926	0.001	1.001	73598		0.65(0.32-0.97)	91.2	408	
D 76 d9-N-EtFOSE										
639.20 > 58.90	9.033	9.032	0.001	1.259	306998	4.92		98.4	7581	
77 N-EtFOSE-M										
630.00 > 58.90	9.059	9.059	0.0	1.003	461920	2.30		92.1	116251	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.132	9.119	0.013	1.273	291766	1.87		93.5	13692	
79 N-EtFOSA-M										
526.00 > 219.00	9.143	9.143	0.0	1.001	61429	0.4768	Target=0.82	95.4	370	
526.00 > 169.00	9.143	9.143	0.0	1.001	77517		0.79(0.41-1.23)	95.4	15855	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.555	9.563	-0.008	1.119	230793	0.4557	Target=13.85	91.1	15703	
913.00 > 169.00	9.555	9.563	-0.008	1.119	16982		13.59(6.92-20.77)	91.1	1537	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_CAL3_00019 Amount Added: 1.00 Units: mL

Report Date: 07-Mar-2025 18:45:22 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\25MAR06CAL-03.d

Injection Date: 06-Mar-2025 19:40:49 Instrument ID: 30570

Lims ID: IC CAL 3

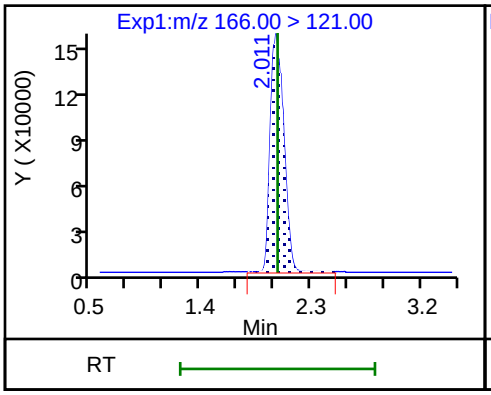
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Operator ID: ETUS023_USR_INS00003 ALS Bottle#: 4 Worklist Smp#: 3

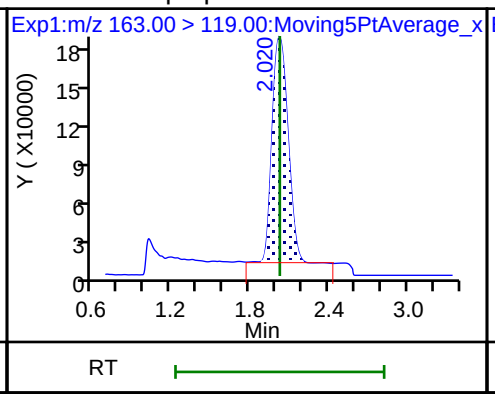
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Method: 30570-1633-125ml Limit Group: LC - 1633 LVI- ICAL

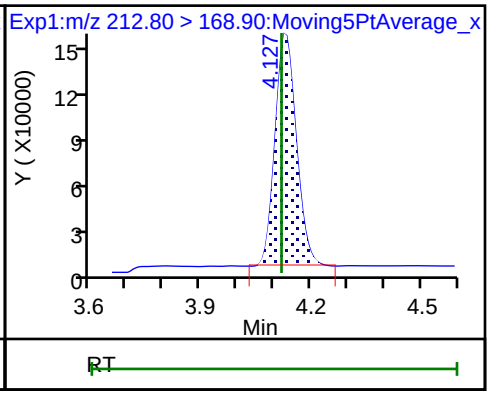
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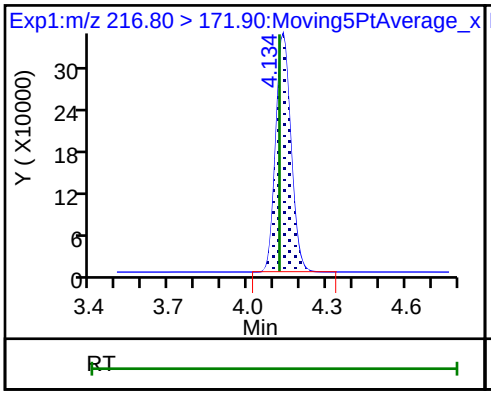
2 Perfluoropropionic acid



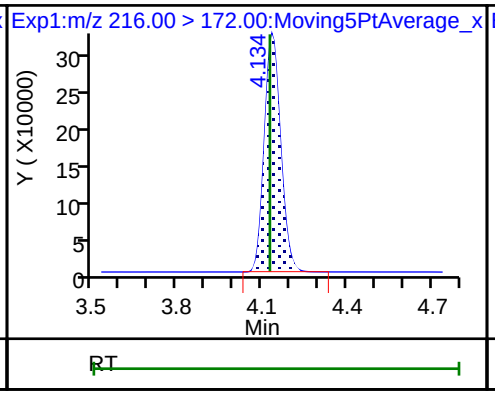
5 PFBA



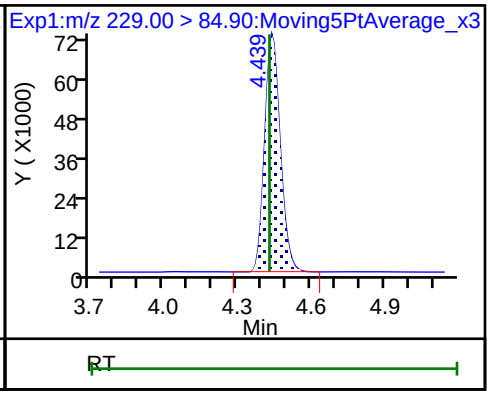
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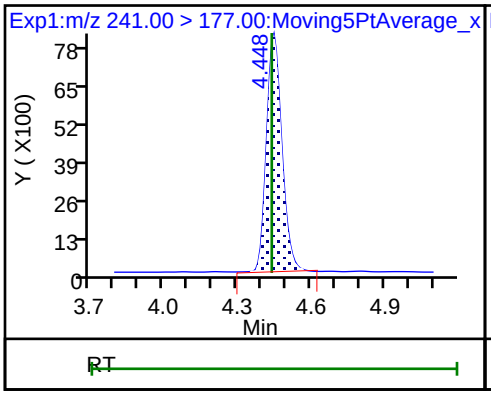
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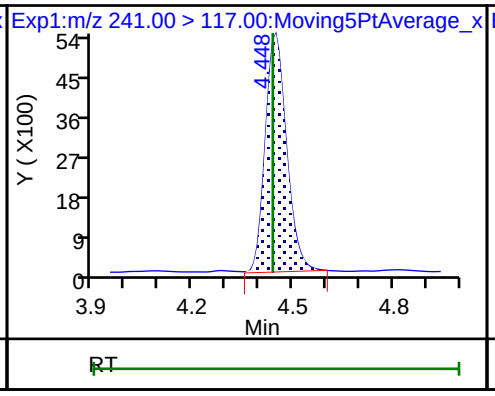
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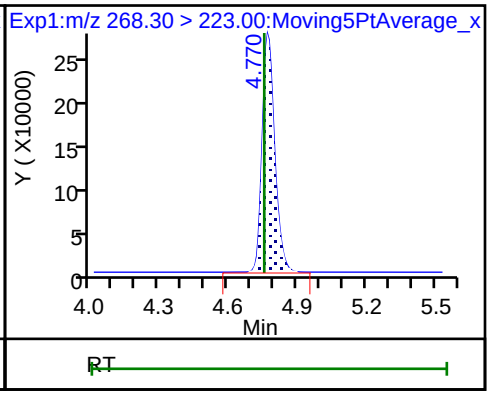
7 3:3 FTCA



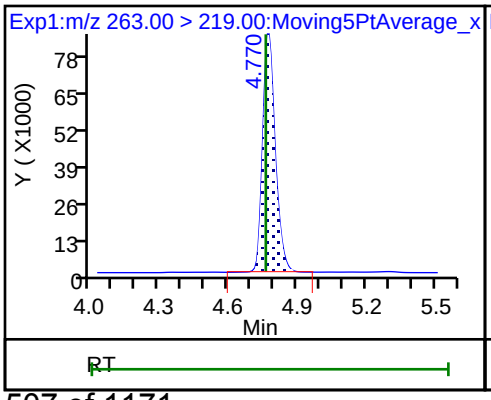
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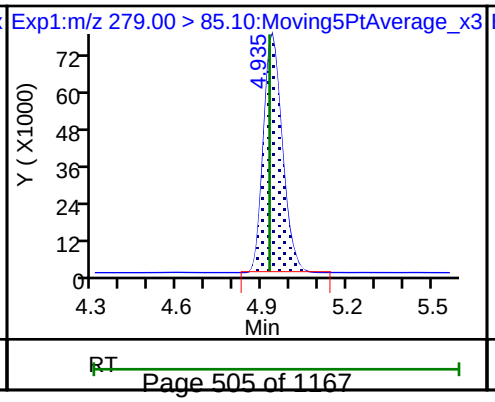
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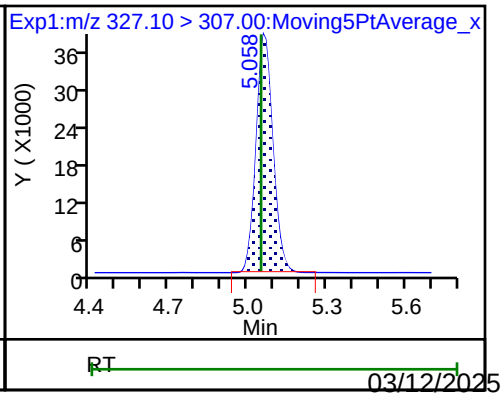
9 PFPA



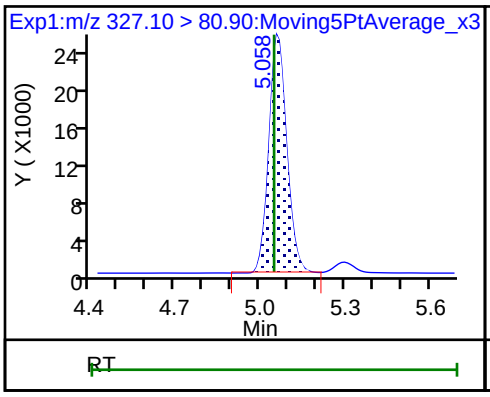
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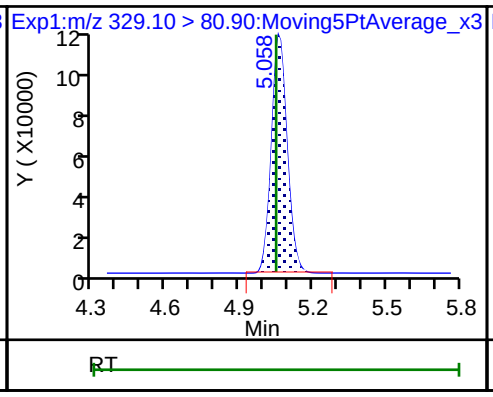
11 4:2FTS



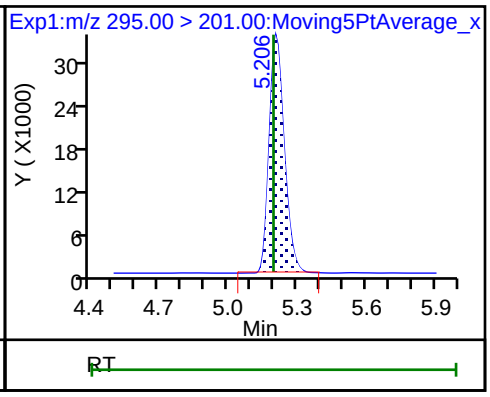
11 4:2FTS



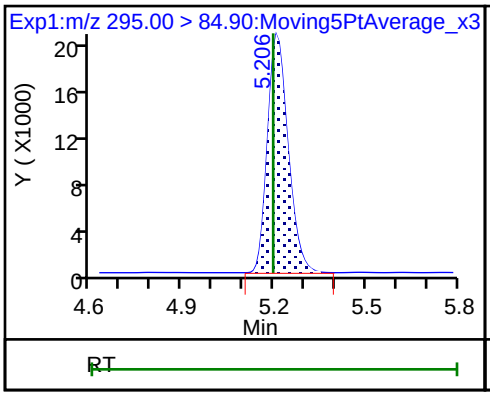
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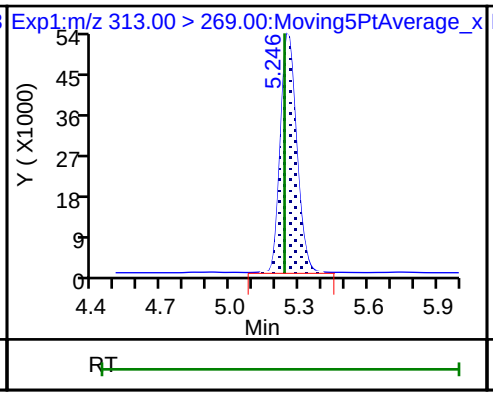
14 NFDHA



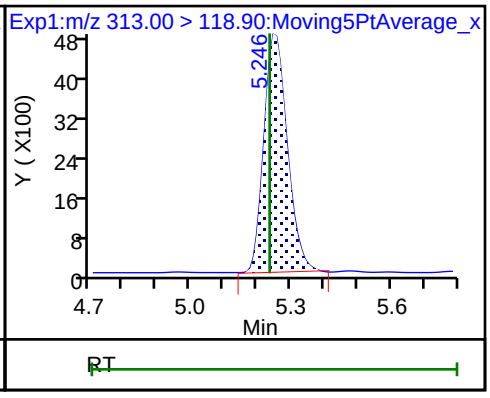
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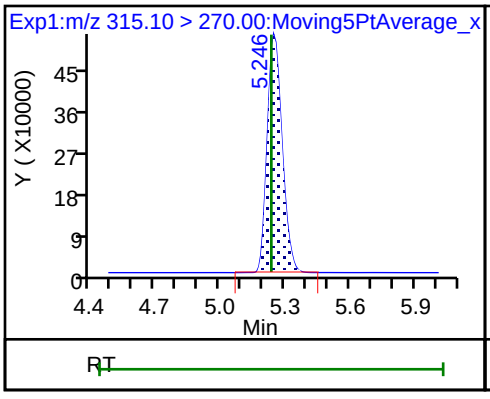
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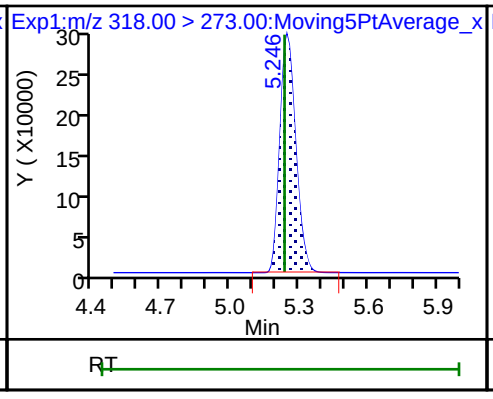
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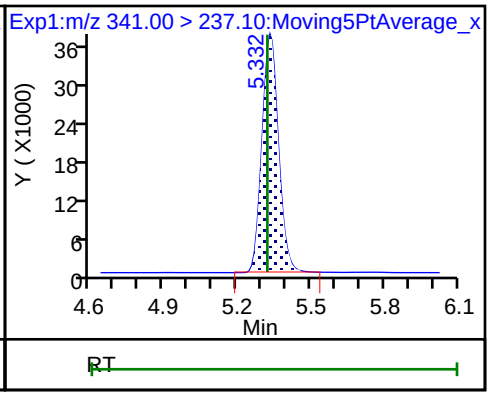
* 16 13C2 PFHxA



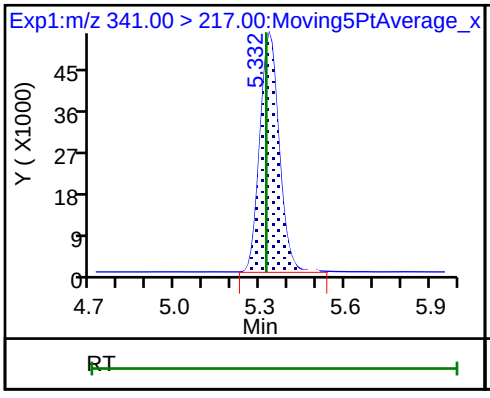
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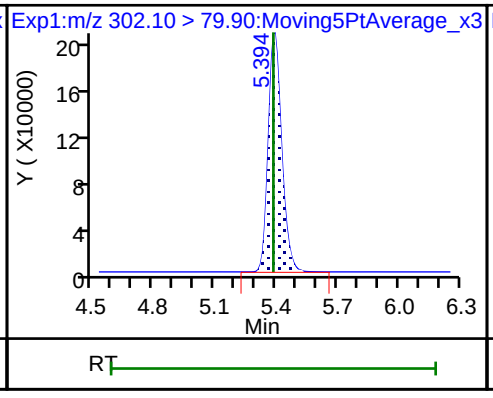
18 5:3 FTCA



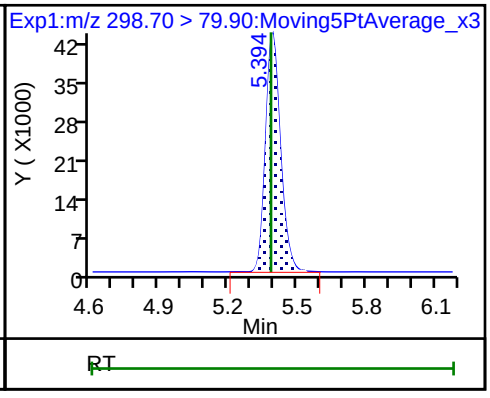
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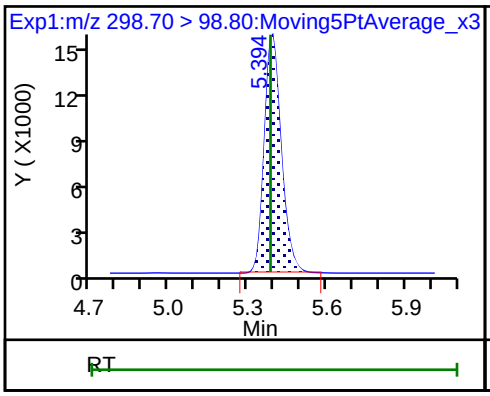
D 20 13C3 PFBS



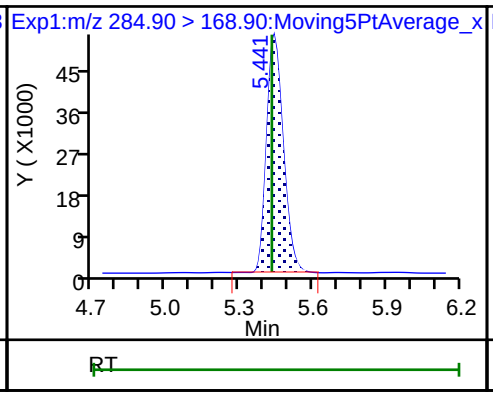
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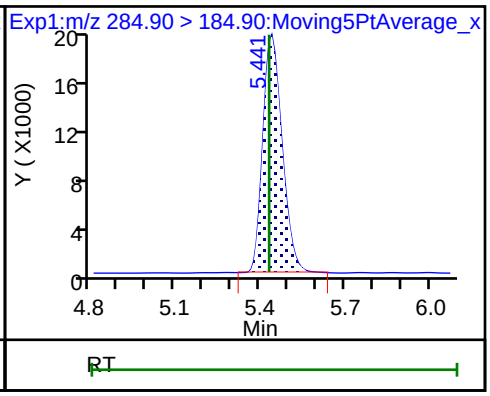
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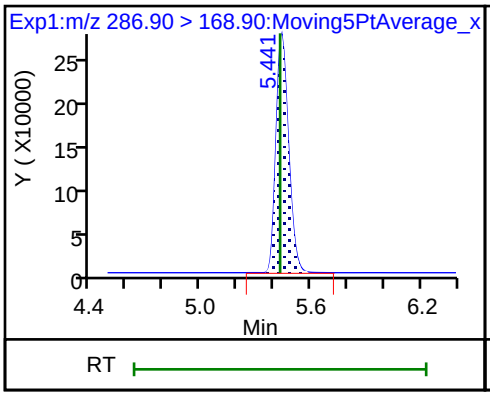
21 HFPO-DA



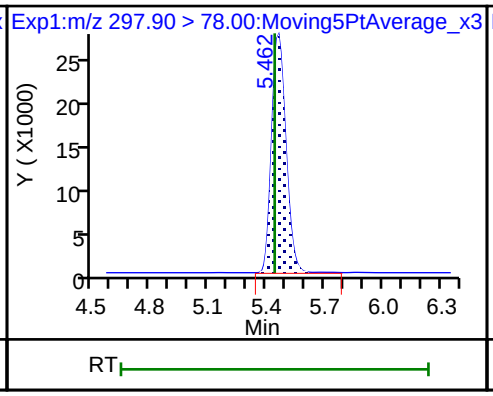
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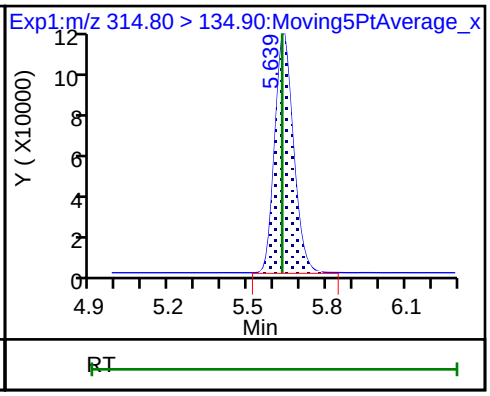
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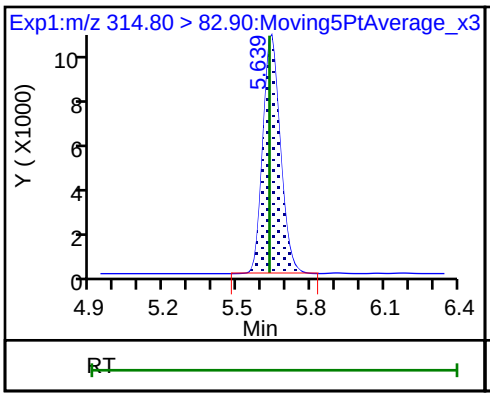
23 FBSA



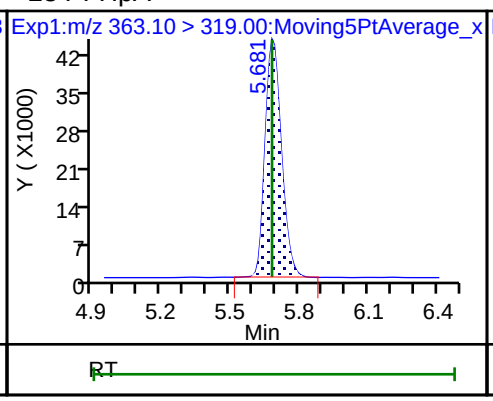
26 PFEESA



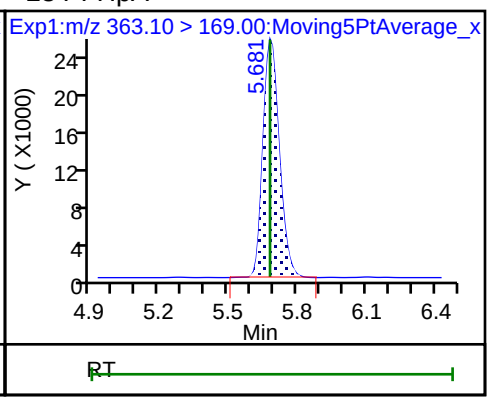
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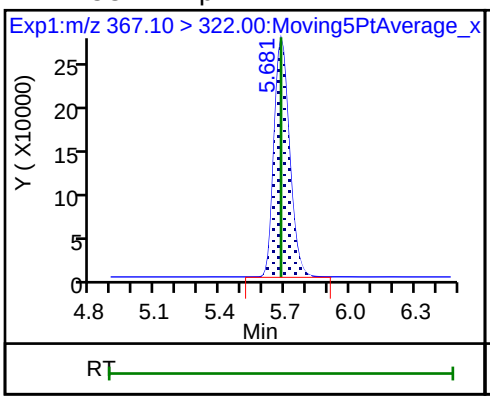
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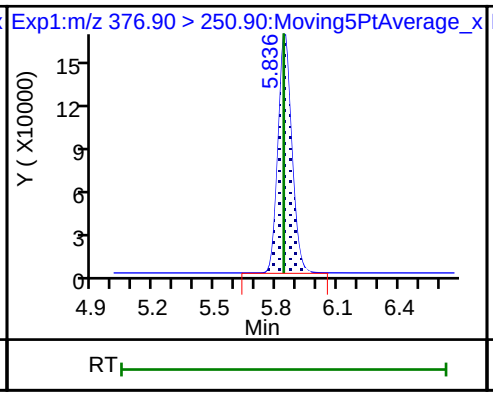
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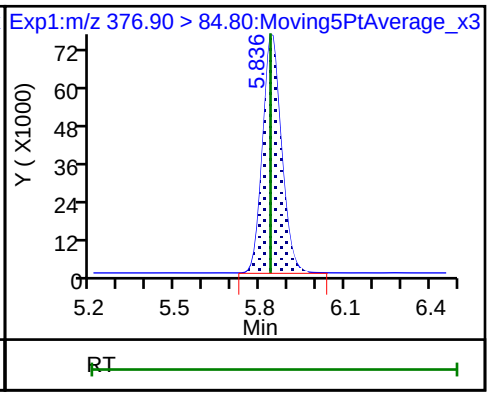
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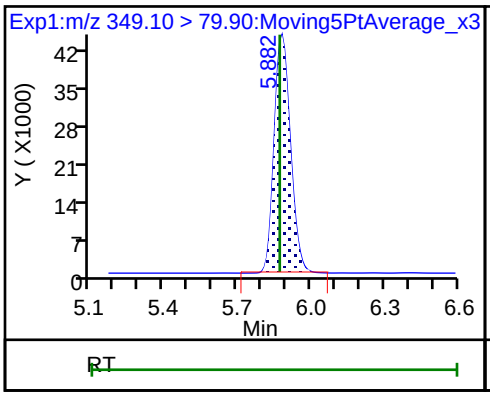
29 ADONA



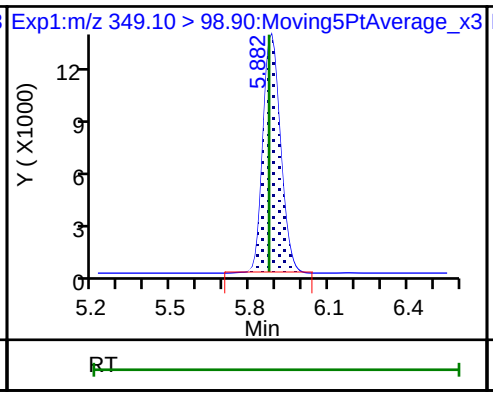
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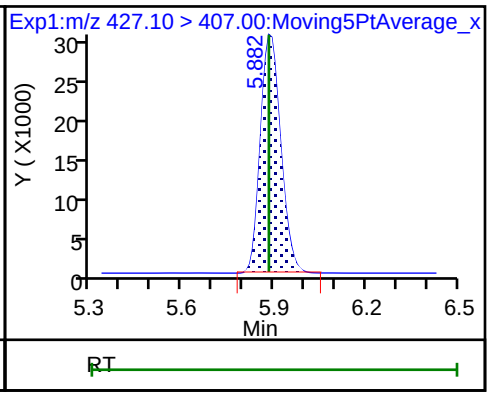
30 PFPeS



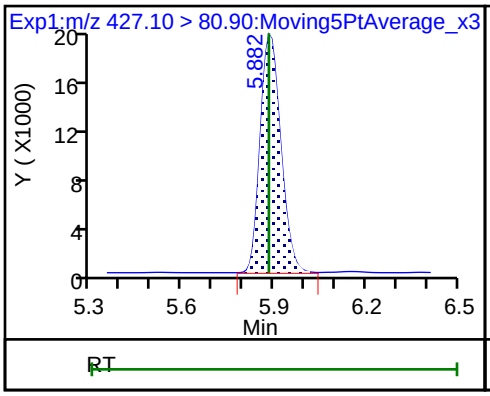
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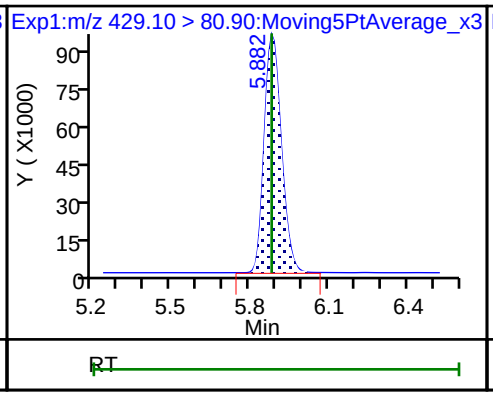
31 6:2FTS



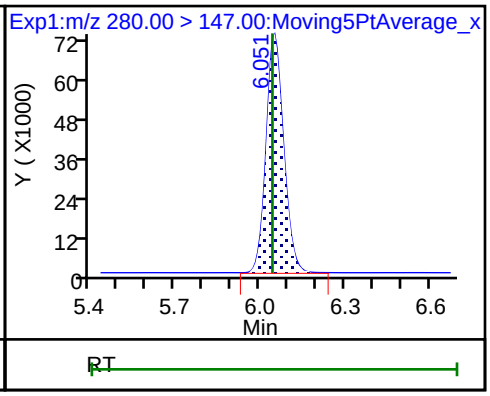
31 6:2FTS



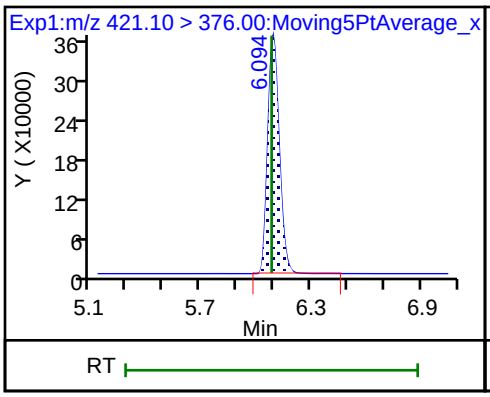
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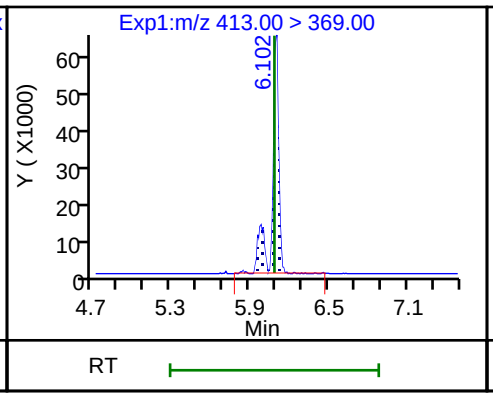
33 BTS



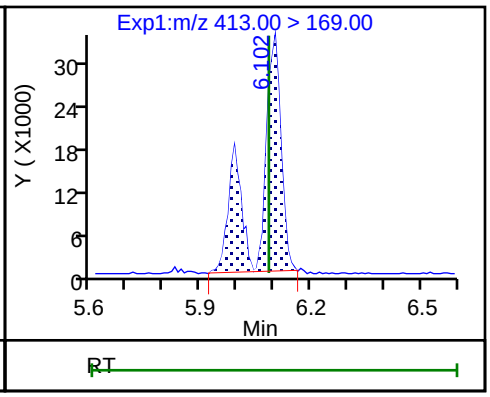
D 34 13C8 PFOA



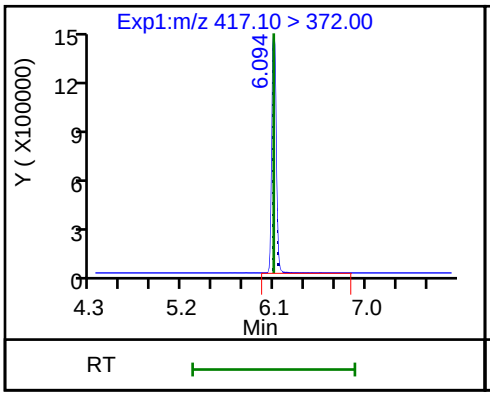
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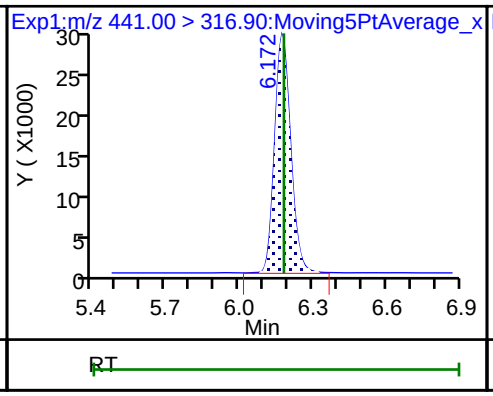
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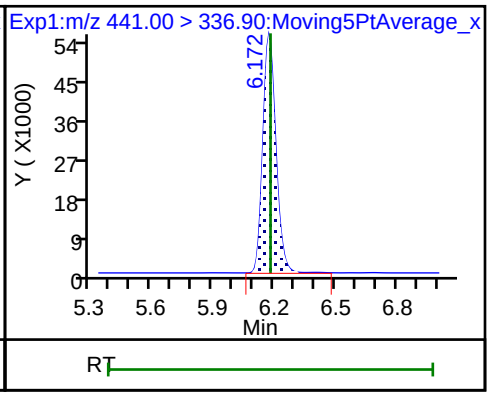
* 35 13C4 PFOA



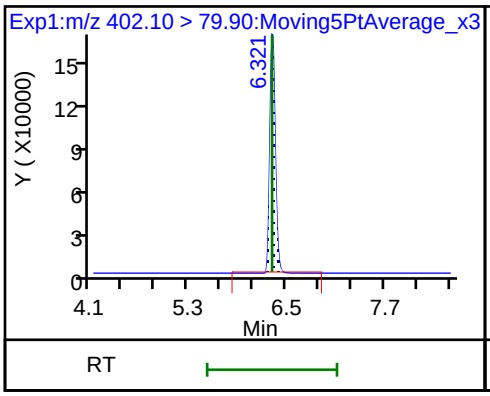
37 7:3 FTCA



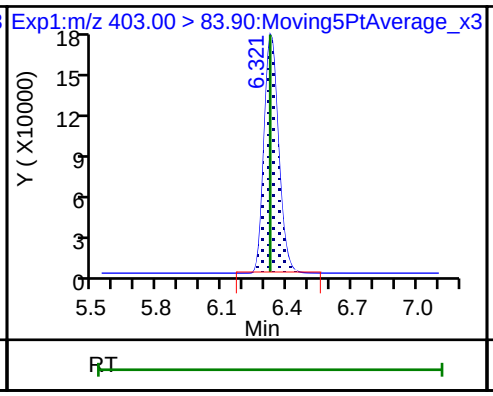
37 7:3 FTCA



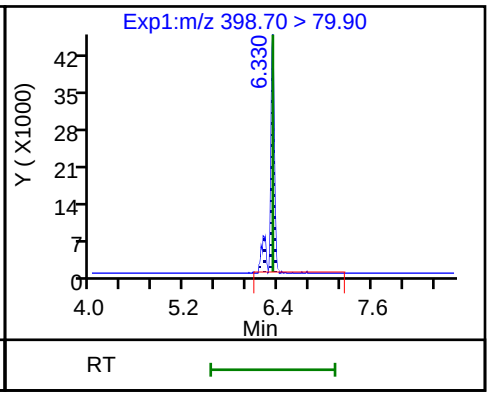
D 39 13C3 PFHxS



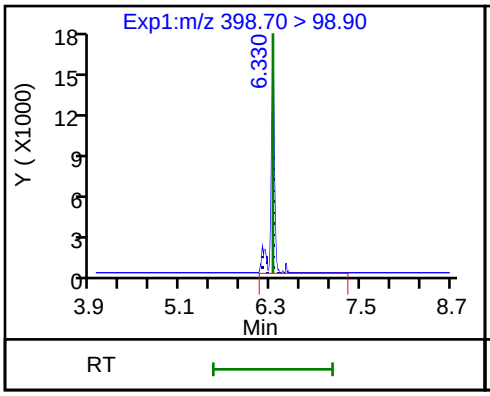
* 38 18O2 PFHxS



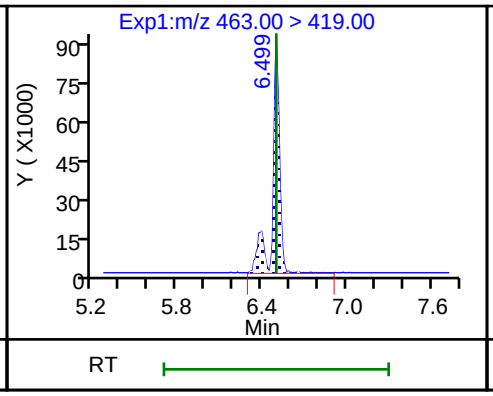
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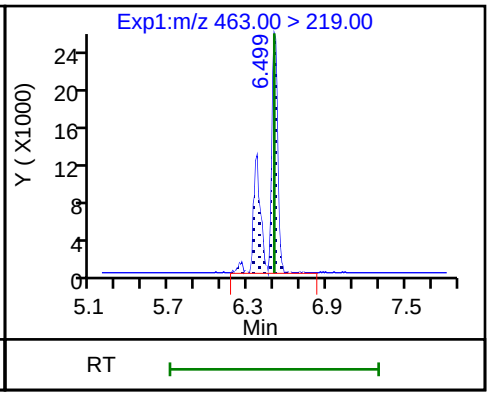
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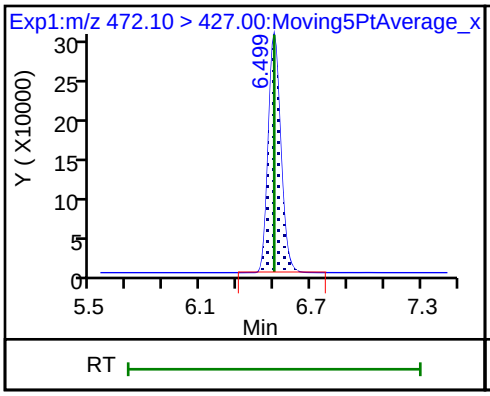
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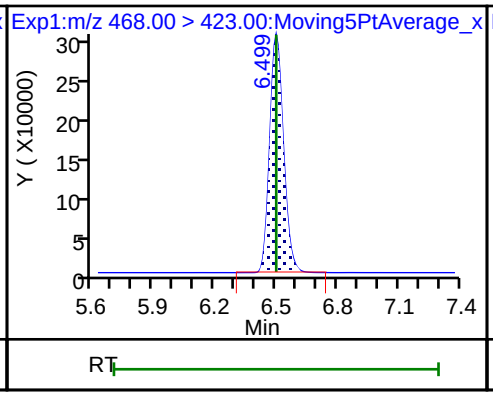
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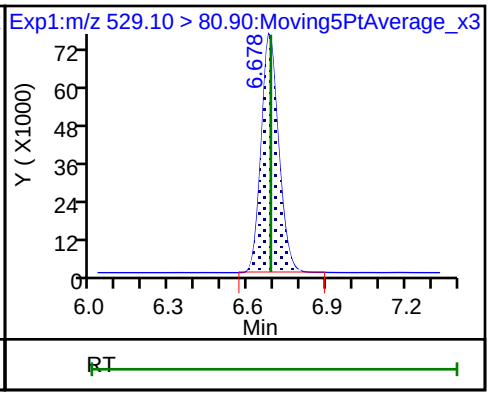
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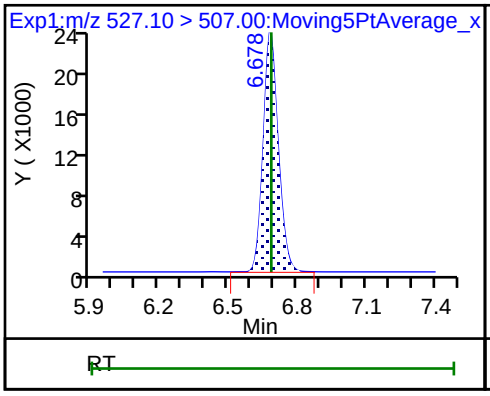
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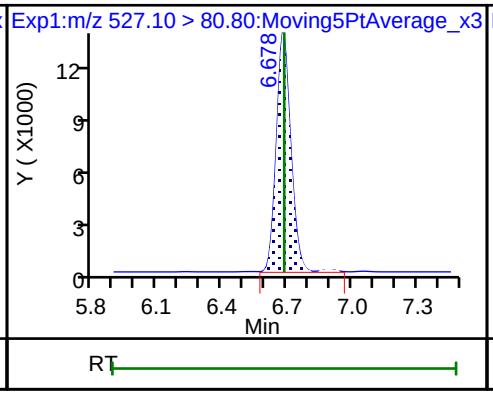
D 45 13C2-8:2FTS



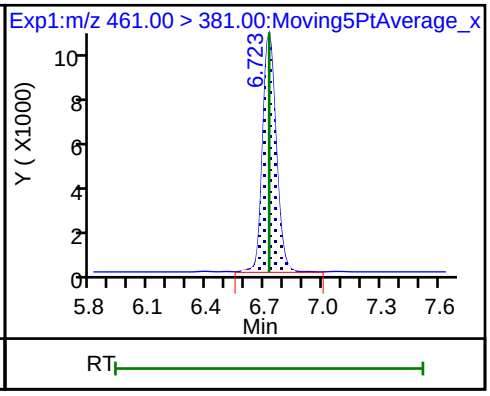
44 8:2FTS



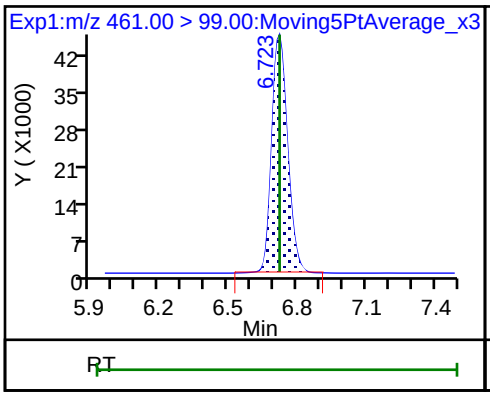
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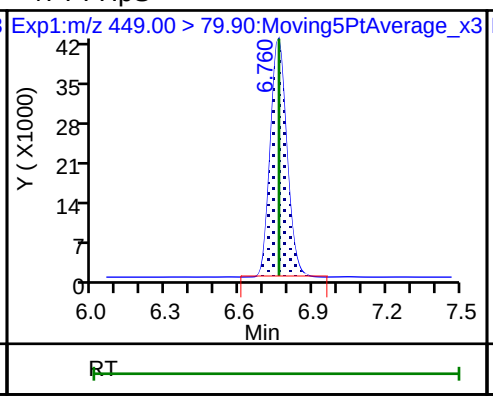
46 PFECHS



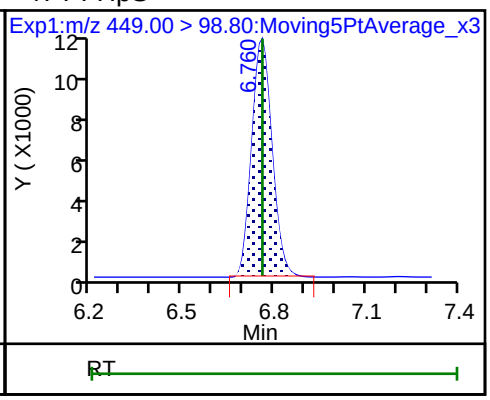
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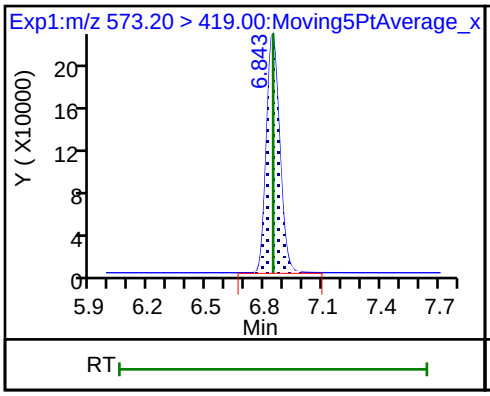
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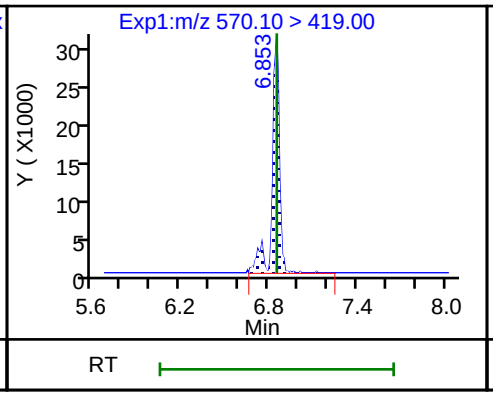
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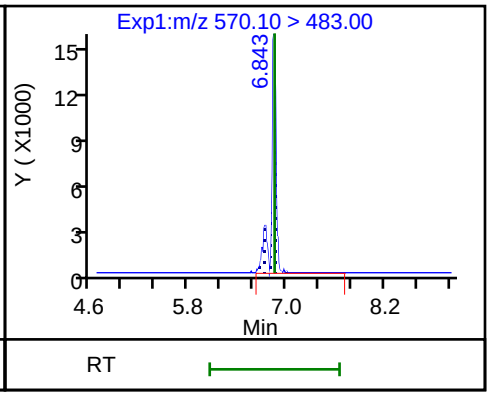
D 48 d3-NMeFOSAA



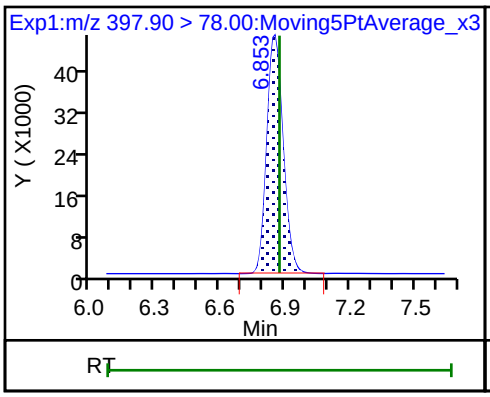
49 NMeFOSAA



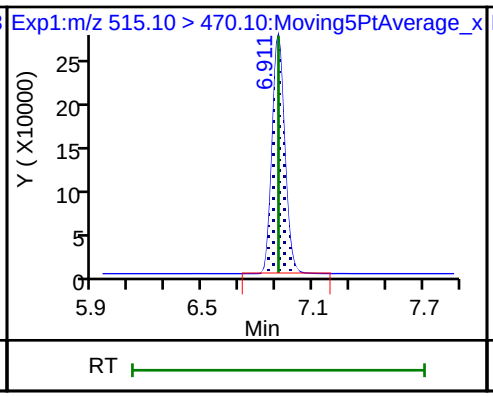
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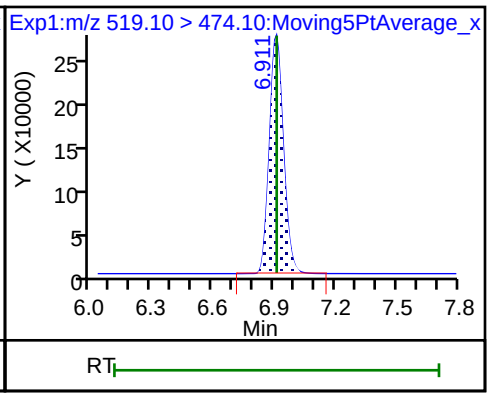
53 FHxSA



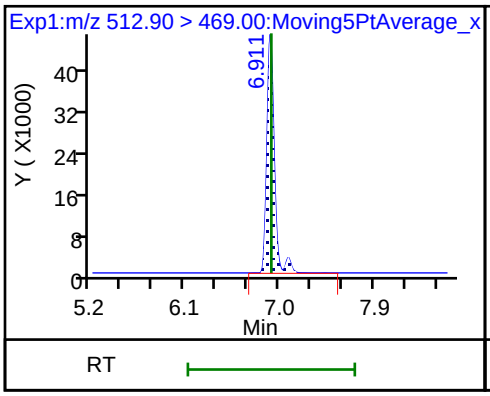
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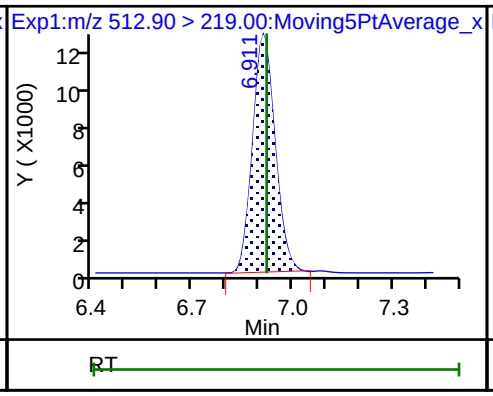
D 51 13C6 PFDA



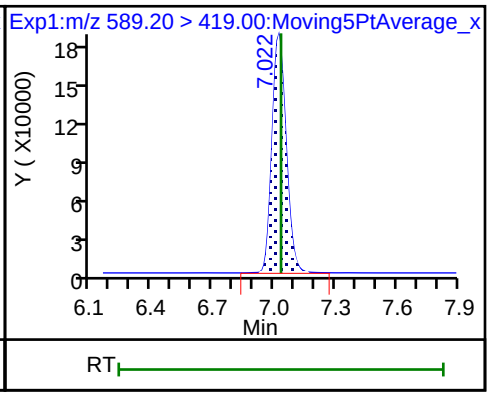
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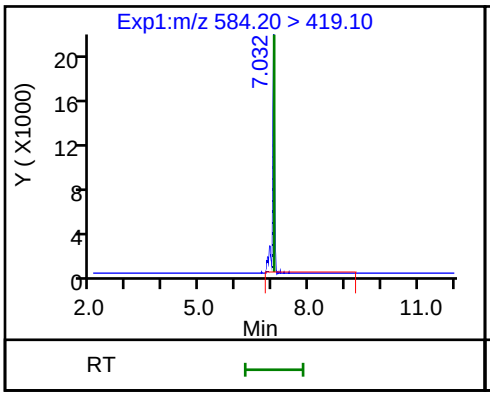
52 PFDA



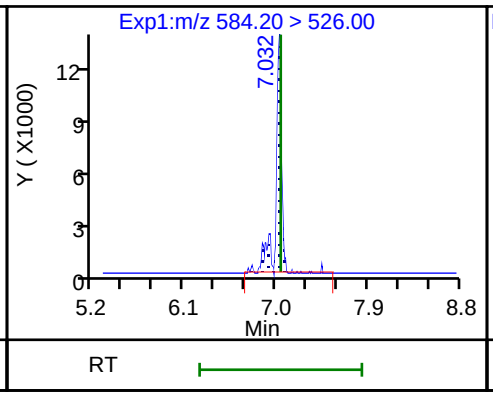
D 54 d5-NEtFOSAA



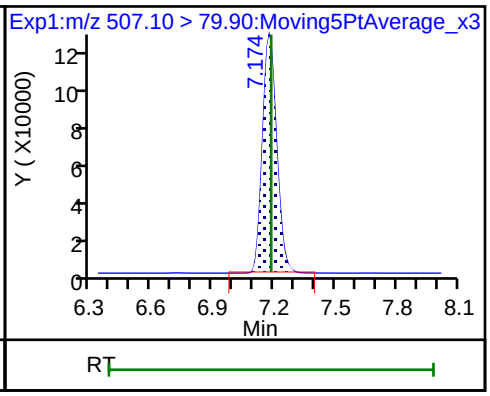
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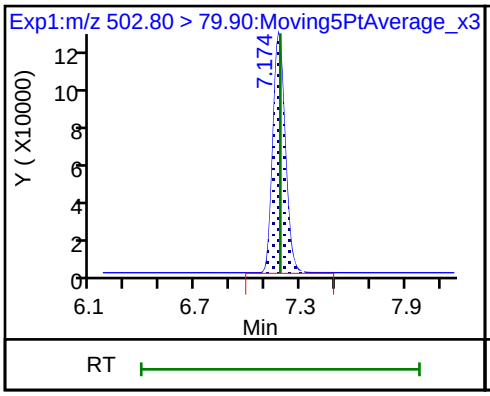
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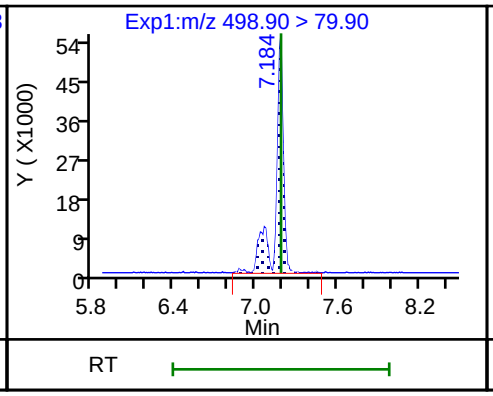
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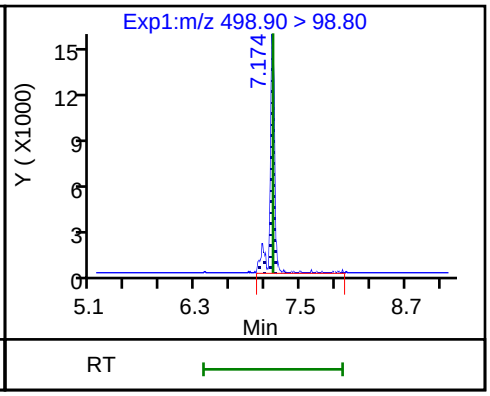
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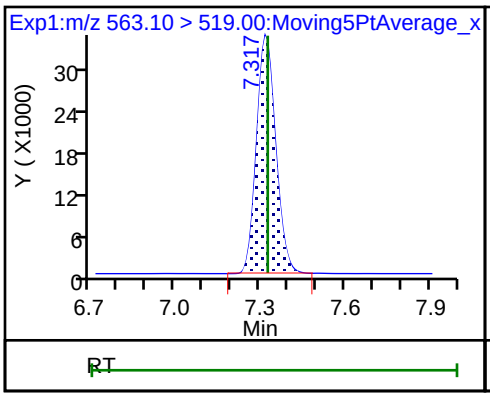
58 PFOS



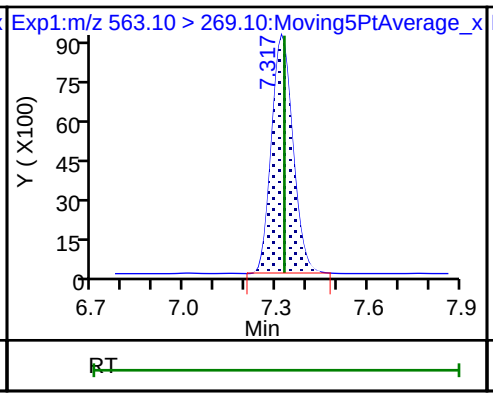
58 PFOS



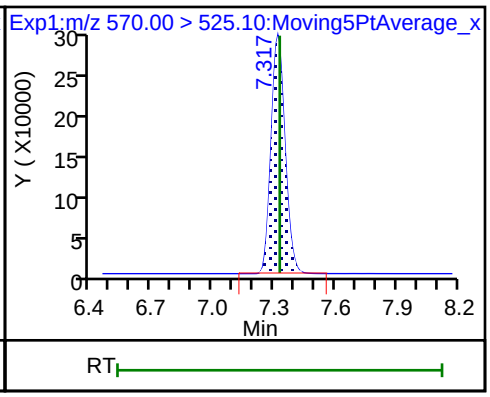
60 PFUnA



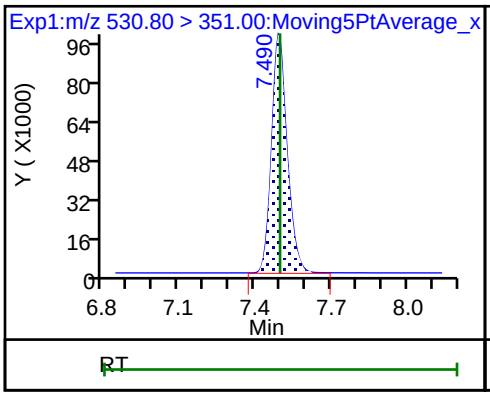
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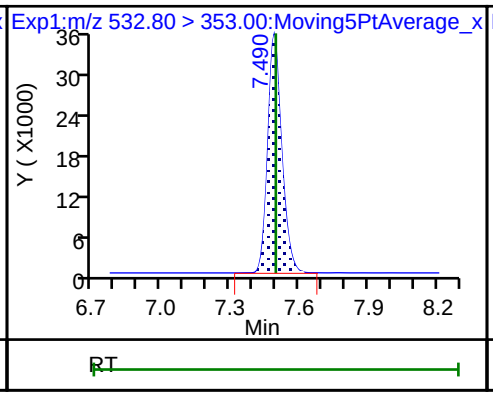
D 59 13C7 PFUnA



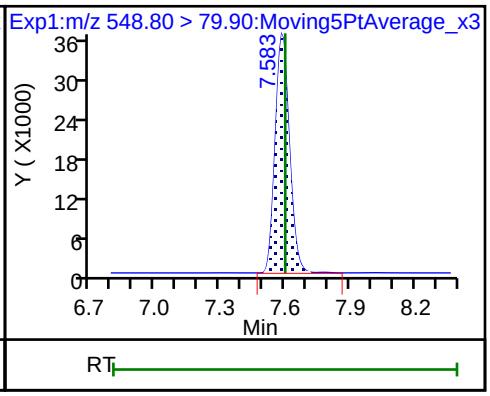
61 9ClFOS



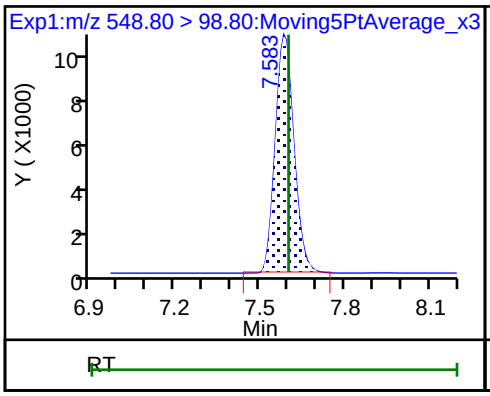
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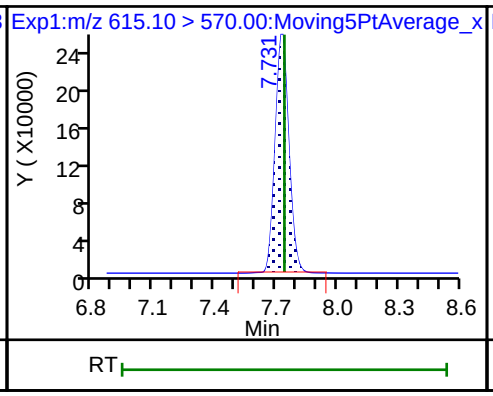
62 PFNS



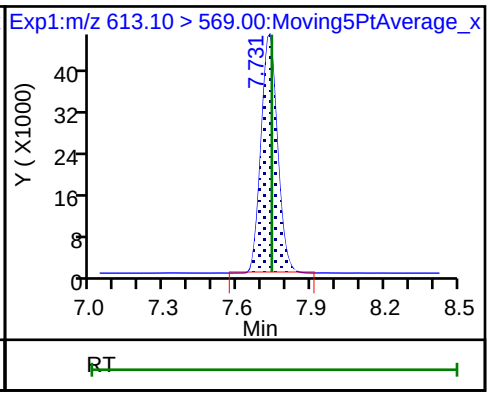
62 PFNS



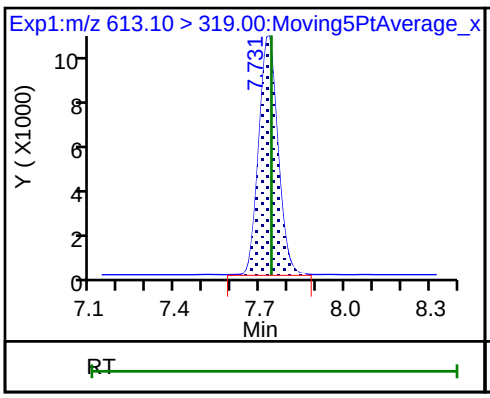
D 81 13C2 PFDoA



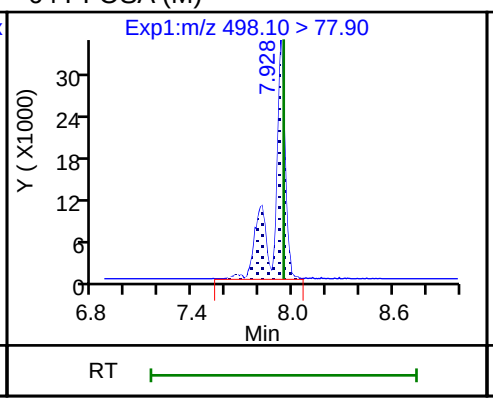
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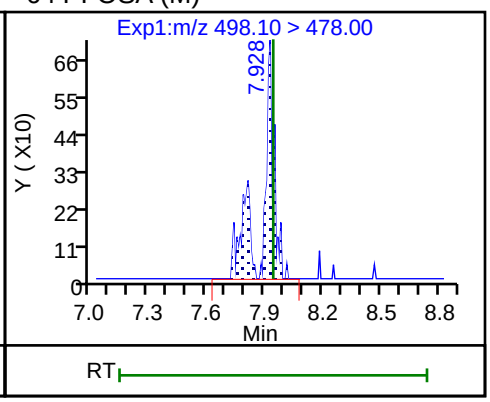
63 PFDoA



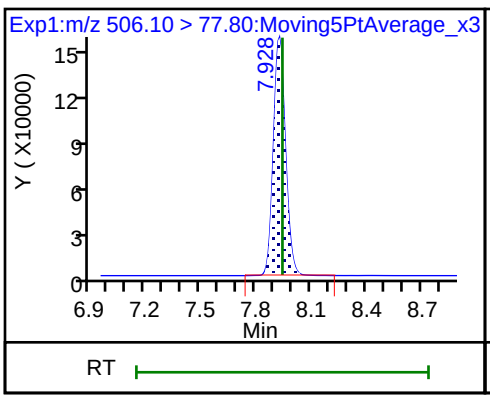
64 PFOSA (M)



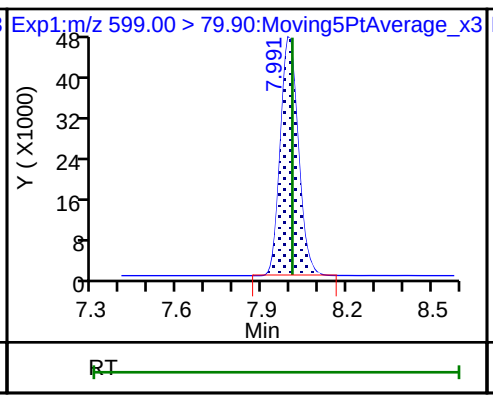
64 PFOSA (M)



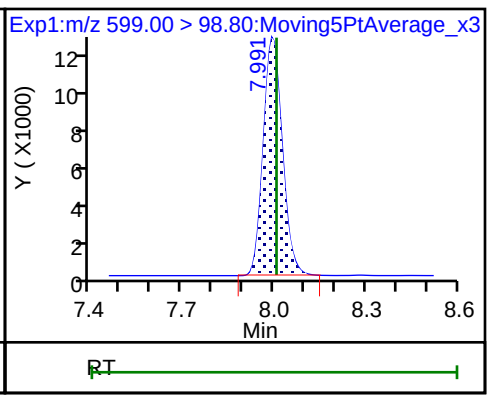
D 65 13C8 FOSA



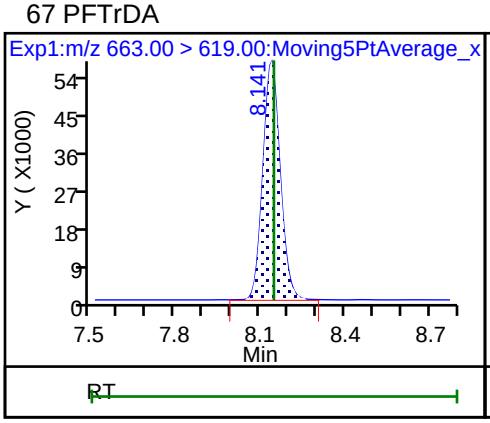
66 PFDS



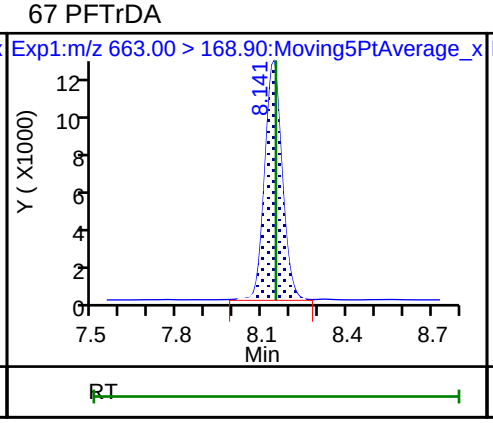
66 PFDS



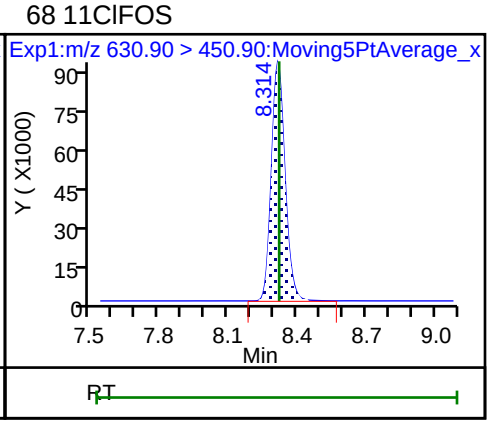
67 PFTrDA



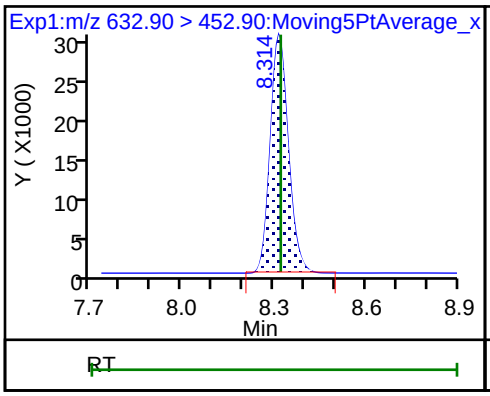
67 PFTrDA



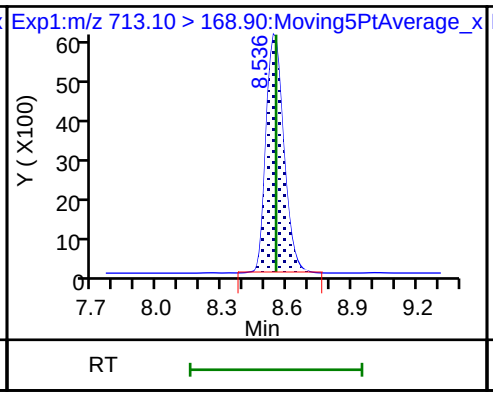
68 11ClFOS



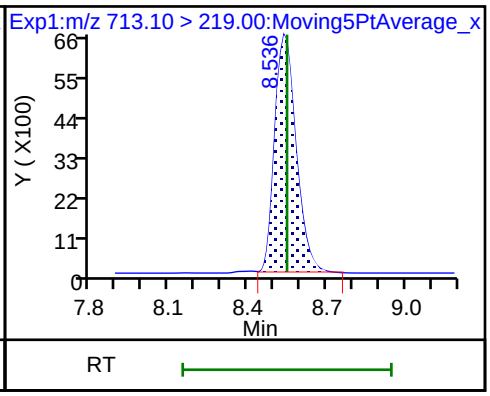
68 11ClFOS



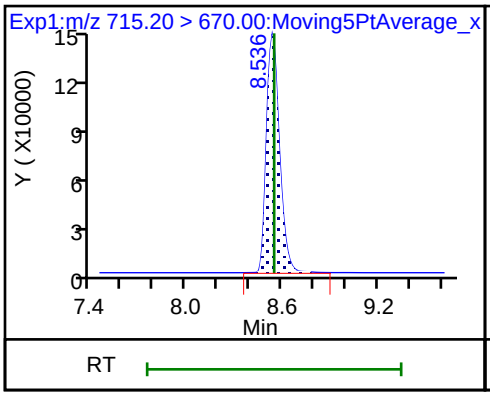
70 PFTeDA



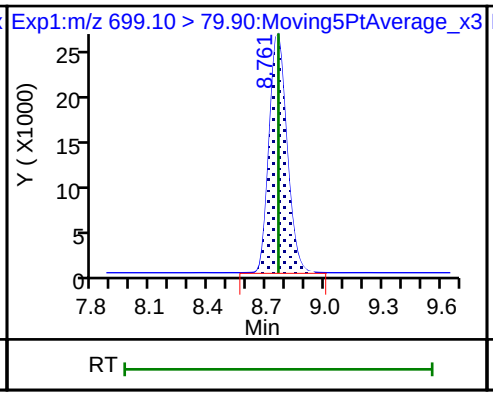
70 PFTeDA



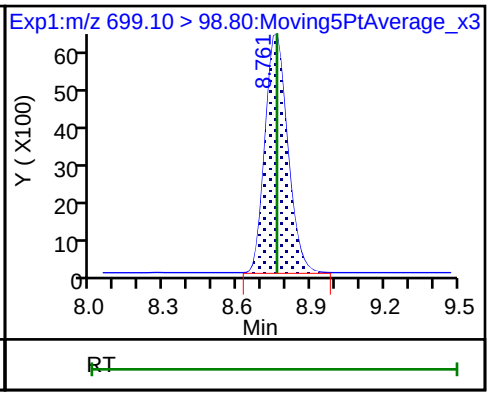
D 69 13C2 PFTeDA



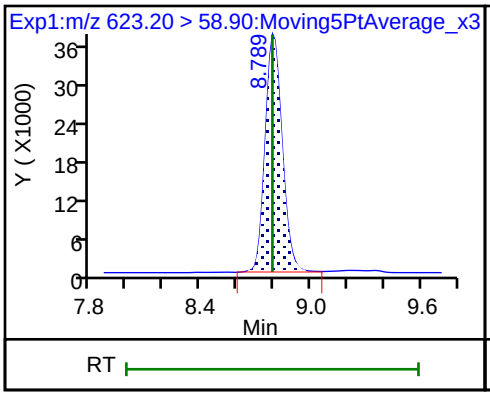
71 PFDoS



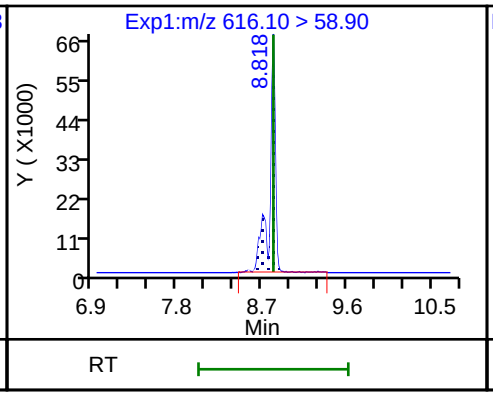
71 PFDoS



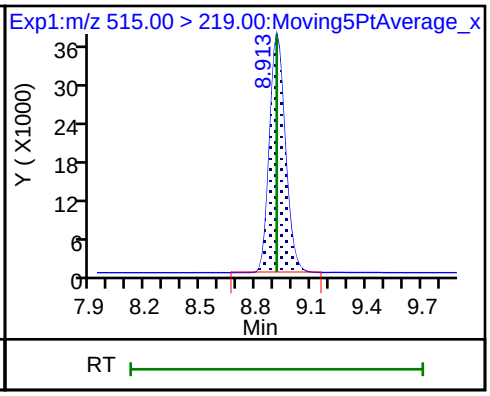
D 72 d7-N-Me-FOSE



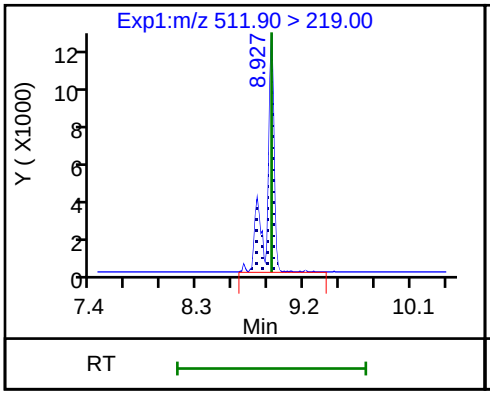
73 N-MeFOSE-M



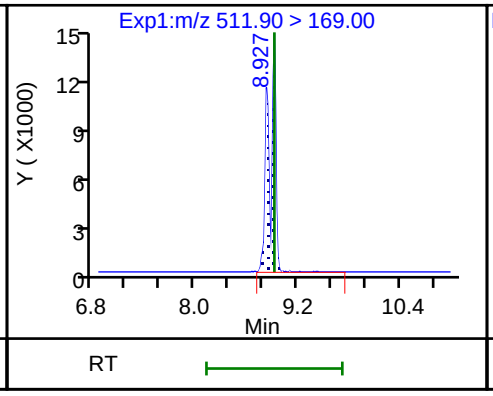
D 74 d3-NMePFOSA



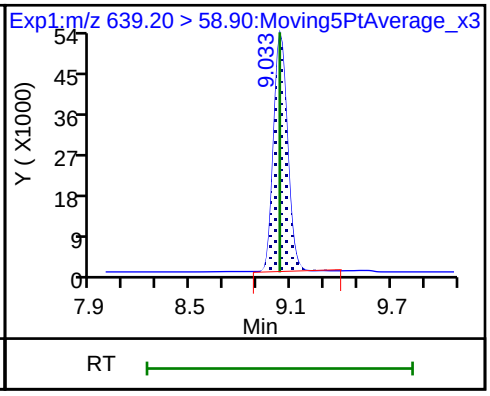
75 NMeFOSA



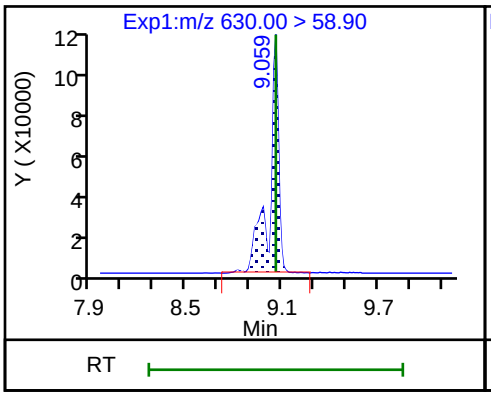
75 NMeFOSA



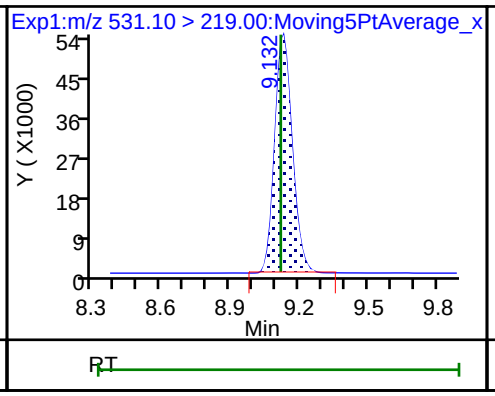
D 76 d9-N-EtFOSE



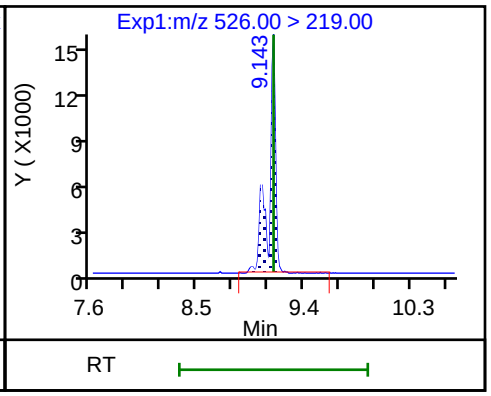
77 N-EtFOSE-M



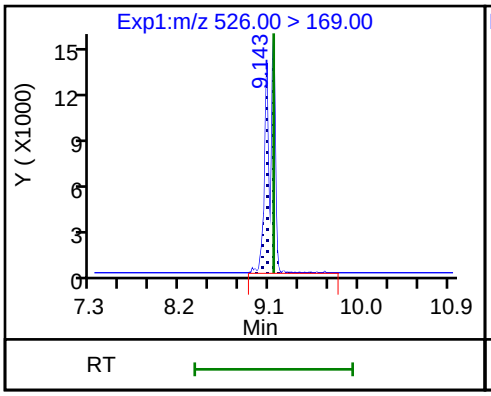
D 78 d5-NEtPFOSA



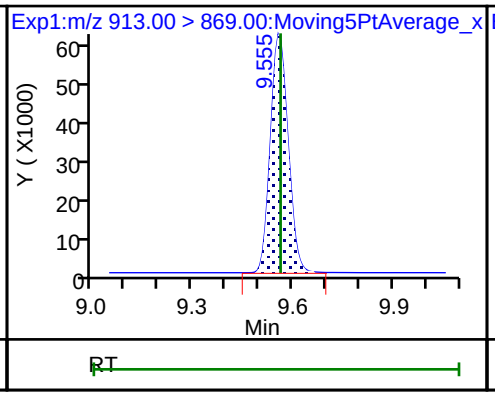
79 N-EtFOSA-M



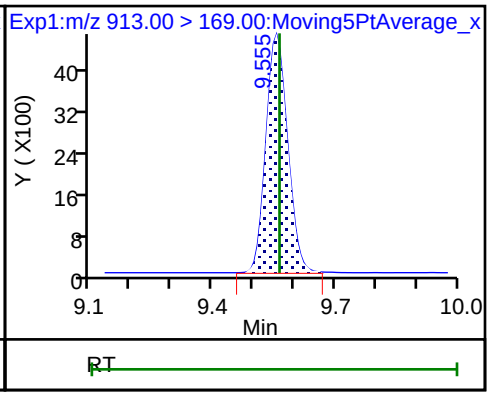
79 N-EtFOSA-M



80 Perfluorooctadecanoic acid



80 Perfluorooctadecanoic acid



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\25MAR06CAL-04.d
Lims ID: IC CAL 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 06-Mar-2025 19:54:24 ALS Bottle#: 5 Worklist Smp#: 4
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: CAL 4
Misc. Info.: Plate: 1 Rack: 1
Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570
Sublist: chrom-30570-1633-125ml*sub2

Method: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\30570-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 07-Mar-2025 18:45:32 Calib Date: 06-Mar-2025 20:48:33
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\25MAR06CAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1645
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C3PFPrA										
166.00 > 121.00	1.977	2.026	-0.049	0.480	1742594	1.95		97.4	439	
2 Perfluoropropionic acid										
163.00 > 119.00	2.010	2.026	-0.016	1.017	4551290	4.84		96.8	70.0	
5 PFBA										
212.80 > 168.90	4.121	4.119	0.002	1.000	1888623	1.91		95.7	2341	
D 3 13C4-PFBA										
216.80 > 171.90	4.121	4.119	0.002	1.000	2104634	1.98		98.9	71968	
* 4 13C3PFBA										
216.00 > 172.00	4.121	4.127	-0.006		1981427	2.00			2670	
6 PFMPA										
229.00 > 84.90	4.424	4.430	-0.006	0.930	1016195	0.9629		96.3	38011	
7 3:3 FTCA										
241.00 > 177.00	4.433	4.439	-0.006	0.931	106865	1.95	Target=1.52	97.6	8110	
241.00 > 117.00	4.433	4.439	-0.006	0.931	69389		1.54(0.76-2.29)	97.6	3926	
D 8 13C5 PFPeA										
268.30 > 223.00	4.759	4.755	0.004	0.910	1587124	2.18		109	105855	
9 PFPA										
263.00 > 219.00	4.759	4.762	-0.003	1.000	978096	1.00		100.0	36395	
10 PFMBA										
279.00 > 85.10	4.922	4.926	-0.004	1.034	1054382	0.9420		94.2	76646	
11 4:2FTS										
327.10 > 307.00	5.045	5.049	-0.004	1.000	497395	1.84	Target=1.60	98.4	36461	
327.10 > 80.90	5.054	5.049	0.005	1.002	314497		1.58(0.80-2.40)	98.4	7693	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.045	5.049	-0.004	0.799	699278	4.35		92.8	38554	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.192	5.196	-0.004	0.992	470283	1.04	Target=1.56	104	34044	
295.00 > 84.90	5.192	5.196	-0.004	0.992	271257		1.73(0.78-2.33)	104	19669	
17 PFHxA										
313.00 > 269.00	5.232	5.236	-0.004	1.000	814521	0.9573	Target=10.95	95.7	33524	
313.00 > 118.90	5.232	5.236	-0.004	1.000	78758		10.34(5.48-16.43)	95.7	5447	
* 16 13C2 PFHxA										
315.10 > 270.00	5.232	5.236	-0.004		3649047	5.00			188585	
D 15 13C5 PFHxA										
318.00 > 273.00	5.232	5.236	-0.004	1.000	2073535	2.11		106	108393	
18 5:3 FTCA										
341.00 > 237.10	5.317	5.321	-0.004	1.016	524248	4.68	Target=0.72	93.7	21761	
341.00 > 217.00	5.317	5.321	-0.004	1.016	700227		0.75(0.36-1.08)	93.7	36805	
D 20 13C3 PFBS										
302.10 > 79.90	5.374	5.385	-0.011	0.852	1429529	1.82		97.6	104850	
19 PFBS										
298.70 > 79.90	5.383	5.385	-0.002	1.002	584774	0.8505	Target=2.90	95.8	42263	
298.70 > 98.80	5.383	5.385	-0.002	1.002	208726		2.80(1.45-4.35)	95.8	15406	
21 HFPO-DA										
284.90 > 168.90	5.429	5.431	-0.002	1.000	770790	0.7516	Target=2.63	100	33289	
284.90 > 184.90	5.429	5.431	-0.002	1.000	297968		2.59(1.32-3.95)	100	15932	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.429	5.431	-0.002	1.038	1895405	2.13		107	101863	
23 FBSA										
297.90 > 78.00	5.448	5.441	0.007	1.014	458400	0.99		99.2	23093	
26 PFEESA										
314.80 > 134.90	5.628	5.630	-0.002	1.076	1753510	0.8462	Target=12.49	94.9	117250	
314.80 > 82.90	5.617	5.630	-0.013	1.074	141533		12.39(6.24-18.74)	94.9	9559	
28 PFHpA										
363.10 > 319.00	5.668	5.681	-0.013	1.000	673871	0.8993	Target=1.89	89.9	34131	
363.10 > 169.00	5.668	5.681	-0.013	1.000	365922		1.84(0.95-2.84)	89.9	24535	
D 27 13C4 PFHpA										
367.10 > 322.00	5.668	5.681	-0.013	1.083	2052374	2.21		110	139253	
29 ADONA										
376.90 > 250.90	5.826	5.836	-0.010	1.073	2176584	0.9344	Target=2.13	98.8	117093	
376.90 > 84.80	5.826	5.836	-0.010	1.073	1054548		2.06(1.07-3.20)	98.8	76573	
30 PFPeS										
349.10 > 79.90	5.860	5.872	-0.012	0.929	671240	0.9701	Target=3.41	103	48345	
349.10 > 98.90	5.870	5.872	-0.002	0.930	203382		3.30(1.70-5.11)	103	14648	
31 6:2FTS										
427.10 > 407.00	5.870	5.882	-0.012	1.000	437811	1.82	Target=1.64	96.1	32254	
427.10 > 80.90	5.870	5.882	-0.012	1.000	266591		1.64(0.82-2.45)	96.1	14681	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.870	5.882	-0.012	0.930	647689	4.82		101	47307	
33 BTS										
280.00 > 147.00	6.035	6.043	-0.008	0.956	1082922	1.01		103	61951	
D 34 13C8 PFOA										
421.10 > 376.00	6.075	6.085	-0.010	1.000	2308411	2.02		101	176764	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
36 PFOA										
413.00 > 369.00	6.075	6.085	-0.010	1.000	665679	0.9751	Target=1.63	97.5	1019	
413.00 > 169.00	6.075	6.085	-0.010	1.000	425348		1.57(0.82-2.45)	97.5	953	
* 35 13C4 PFOA										
417.10 > 372.00	6.075	6.093	-0.018		5768698	5.00			18219	
37 7:3 FTCA										
441.00 > 316.90	6.153	6.181	-0.028	1.176	415725	4.92	Target=0.59	98.4	22831	
441.00 > 336.90	6.162	6.181	-0.019	1.178	692380		0.60(0.29-0.88)	98.4	30082	
D 39 13C3 PFHxS										
402.10 > 79.90	6.310	6.321	-0.011	1.000	1092134	1.80		95.0	79148	
* 38 18O2 PFHxS										
403.00 > 83.90	6.310	6.321	-0.011		1185202	1.89			86504	
40 PFHxS										
398.70 > 79.90	6.310	6.330	-0.020	1.000	475497	0.9160	Target=3.32	100	1448	
398.70 > 98.90	6.320	6.330	-0.010	1.001	140509		3.38(1.66-4.98)	100	491	
* 41 13C5 PFNA										
468.00 > 423.00	6.479	6.499	-0.020		2218468	2.00			117674	
43 PFNA										
463.00 > 419.00	6.488	6.499	-0.011	1.001	861464	0.9324	Target=2.60	93.2	2268	
463.00 > 219.00	6.488	6.499	-0.011	1.001	342335		2.52(1.30-3.91)	93.2	401	
D 42 13C9 PFNA										
472.10 > 427.00	6.479	6.499	-0.020	1.000	2102501	1.93		96.7	111948	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.668	6.686	-0.018	1.057	508981	4.50		93.8	27380	
44 8:2FTS										
527.10 > 507.00	6.668	6.686	-0.018	1.000	331969	2.02	Target=1.64	105	24115	
527.10 > 80.80	6.668	6.686	-0.018	1.000	216642		1.53(0.82-2.45)	105	15749	
46 PFECHS										
461.00 > 381.00	6.702	6.723	-0.021	1.062	170873	0.9453	Target=0.25	102	11885	
461.00 > 99.00	6.702	6.723	-0.021	1.062	646832		0.26(0.13-0.38)	102	44667	
47 PFHpS										
449.00 > 79.90	6.741	6.760	-0.019	0.941	595409	0.9558	Target=3.90	100	42005	
449.00 > 98.80	6.741	6.760	-0.019	0.941	170944		3.48(1.95-5.85)	100	12215	
D 48 d3-NMeFOSAA										
573.20 > 419.00	6.824	6.843	-0.019	0.953	1498179	4.59		91.7	78904	
49 NMeFOSAA										
570.10 > 419.00	6.824	6.853	-0.029	1.000	309981	1.00	Target=1.75	100	967	
570.10 > 483.00	6.833	6.853	-0.020	1.001	180433		1.72(0.87-2.62)	100	482	
53 FHxSA										
397.90 > 78.00	6.833	6.874	-0.041	1.083	716608	0.9824		98.2	35097	
* 50 13C2 PFDA										
515.10 > 470.10	6.891	6.911	-0.020		1981073	2.00			83031	
D 51 13C6 PFDA										
519.10 > 474.10	6.891	6.911	-0.020	1.000	2010278	1.99		99.4	105161	
52 PFDA										
512.90 > 469.00	6.891	6.920	-0.029	1.000	679100	0.9273	Target=4.00	92.7	47396	
512.90 > 219.00	6.900	6.920	-0.020	1.001	176235		3.85(2.00-6.00)	92.7	12219	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.003	7.033	-0.030	0.978	1286486	4.66		93.2	89067	
55 NEtFOSAA										
584.20 > 419.10	7.012	7.043	-0.031	1.001	219735	1.01	Target=1.50	101	512	
584.20 > 526.00	7.021	7.043	-0.022	1.003	140968		1.56(0.75-2.25)	101	216	
D 56 13C8 PFOS										
507.10 > 79.90	7.164	7.184	-0.020	1.000	918158	1.80		94.0	46854	
* 57 13C4 PFOS										
502.80 > 79.90	7.164	7.184	-0.020		975773	1.91			66657	
58 PFOS										
498.90 > 79.90	7.164	7.184	-0.020	1.000	624896	0.8913	Target=4.37	95.8	185112	
498.90 > 98.80	7.164	7.184	-0.020	1.000	142174		4.40(2.18-6.55)	95.8	580	
60 PFUnA										
563.10 > 519.00	7.306	7.326	-0.020	1.000	538296	0.99	Target=3.87	99.2	37900	
563.10 > 269.10	7.306	7.326	-0.020	1.000	140821		3.82(1.93-5.80)	99.2	9892	
D 59 13C7 PFUnA										
570.00 > 525.10	7.306	7.326	-0.020	1.060	2016271	1.91		95.7	105139	
61 9ClFOS										
530.80 > 351.00	7.482	7.497	-0.015	1.378	1299058	0.9091	Target=2.97	97.3	76855	
532.80 > 353.00	7.482	7.497	-0.015	1.378	427824		3.04(1.48-4.45)	97.3	33793	
62 PFNS										
548.80 > 79.90	7.571	7.600	-0.029	1.057	505625	0.9375	Target=3.70	97.5	36225	
548.80 > 98.80	7.571	7.600	-0.029	1.057	141829		3.57(1.85-5.55)	97.5	10290	
D 81 13C2 PFDoA										
615.10 > 570.00	7.711	7.739	-0.028	1.119	1695866	1.87		93.5	72541	
63 PFDoA										
613.10 > 569.00	7.711	7.739	-0.028		650046	0.99	Target=4.68	99.4	46756	
613.10 > 319.00	7.711	7.739	-0.028		146479		4.44(2.34-7.01)	99.4	10648	
64 PFOSA										
498.10 > 77.90	7.917	7.944	-0.027	1.001	470730	0.9422	Target=50.02	94.2	1787	
498.10 > 478.00	7.909	7.944	-0.035	1.000	9804		48.01(25.01-75.03)	94.2	57.2	
D 65 13C8 FOSA										
506.10 > 77.80	7.909	7.944	-0.035	1.104	1059017	1.94		96.8	58040	
66 PFDS										
599.00 > 79.90	7.980	8.007	-0.027	1.114	650373	0.9587	Target=3.88	99.5	37760	
599.00 > 98.80	7.980	8.007	-0.027	1.114	170207		3.82(1.94-5.82)	99.5	13061	
67 PFTrDA										
663.00 > 619.00	8.122	8.148	-0.026	0.954	764508	1.02	Target=4.52	102	44233	
663.00 > 168.90	8.122	8.148	-0.026	0.954	170659		4.48(2.26-6.79)	102	13243	
68 11ClFOS										
630.90 > 450.90	8.303	8.321	-0.018	1.529	1158866	0.8882	Target=2.95	94.1	94306	
632.90 > 452.90	8.303	8.321	-0.018	1.529	404847		2.86(1.47-4.42)	94.1	32947	
70 PFTeDA										
713.10 > 168.90	8.531	8.548	-0.017	1.002	105966	1.00	Target=0.91	99.5	6205	
713.10 > 219.00	8.517	8.548	-0.031	1.000	114649		0.92(0.45-1.36)	99.5	6752	
D 69 13C2 PFTeDA										
715.20 > 670.00	8.517	8.548	-0.031	1.236	1210061	1.88		94.0	71366	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
71 PFDoS										
699.10 > 79.90	8.738	8.760	-0.022	1.220	526211	0.9758	Target=4.00	101	28013	
699.10 > 98.80	8.738	8.760	-0.022	1.220	123330		4.27(2.00-6.00)	101	6571	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.781	8.789	-0.008	1.226	365061	4.65		93.0	7050	
73 N-MeFOSE-M										
616.10 > 58.90	8.795	8.818	-0.023	1.002	818890	4.58		91.6	952	
D 74 d3-NMePFOSA										
515.00 > 219.00	8.893	8.913	-0.020	1.241	340289	1.89		94.5	18766	
75 NMeFOSA										
511.90 > 219.00	8.906	8.926	-0.020	1.001	146872	0.9297	Target=0.65	93.0	1096	
511.90 > 169.00	8.906	8.926	-0.020	1.001	235523		0.62(0.32-0.97)	93.0	842	
D 76 d9-N-EtFOSE										
639.20 > 58.90	9.013	9.032	-0.020	1.258	467305	4.74		94.8	9920	
77 N-EtFOSE-M										
630.00 > 58.90	9.039	9.059	-0.020	1.003	1420537	4.65		93.0	12465	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.113	9.119	-0.006	1.272	454086	1.84		92.1	21153	
79 N-EtFOSA-M										
526.00 > 219.00	9.124	9.143	-0.019	1.001	200460	1.00	Target=0.82	100.0	1130	
526.00 > 169.00	9.124	9.143	-0.019	1.001	243289		0.82(0.41-1.23)	100.0	1414	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.549	9.563	-0.014	1.121	766378	1.03	Target=13.85	103	40733	
913.00 > 169.00	9.541	9.563	-0.022	1.120	55001		13.93(6.92-20.77)	103	4915	

Reagents:

1633_125_CAL4_00034 Amount Added: 1.00 Units: mL

Report Date: 07-Mar-2025 18:45:33 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\25MAR06CAL-04.d

Injection Date: 06-Mar-2025 19:54:24 Instrument ID: 30570

Lims ID: IC CAL 4

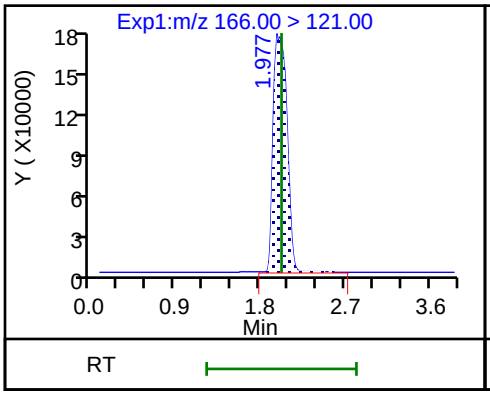
Client ID:

Operator ID: ETUS023_USR_INS00003 ALS Bottle#: 5 Worklist Smp#: 4

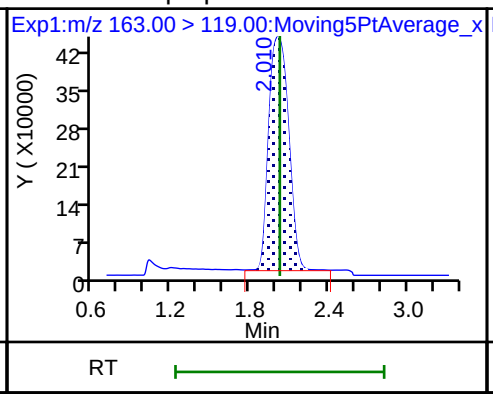
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 30570-1633-125ml Limit Group: LC - 1633 LVI- ICAL

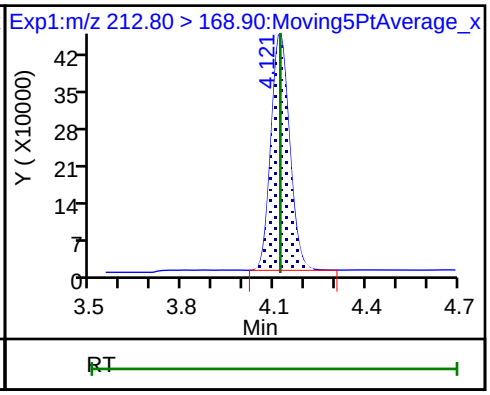
D 1 13C3PFPrA



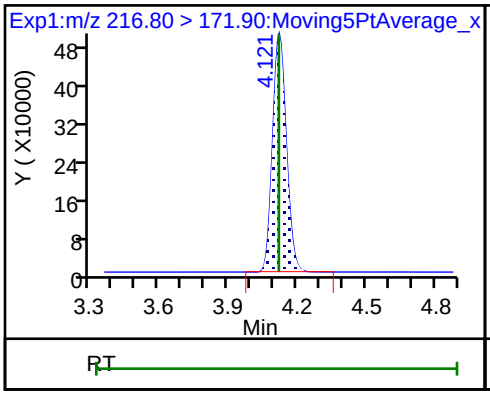
2 Perfluoropropionic acid



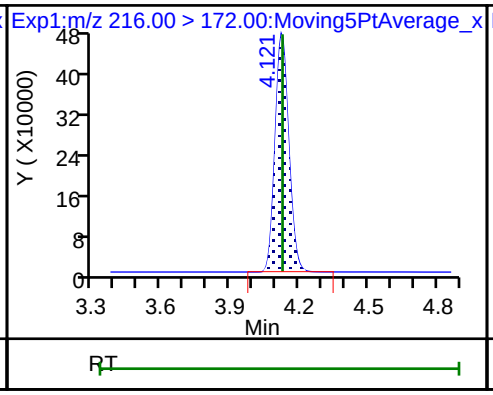
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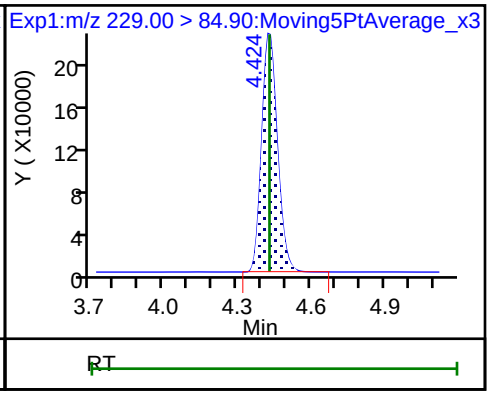
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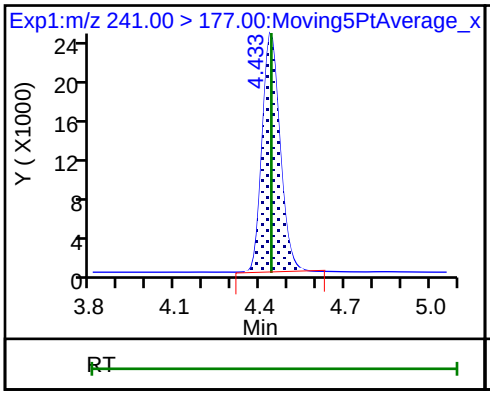
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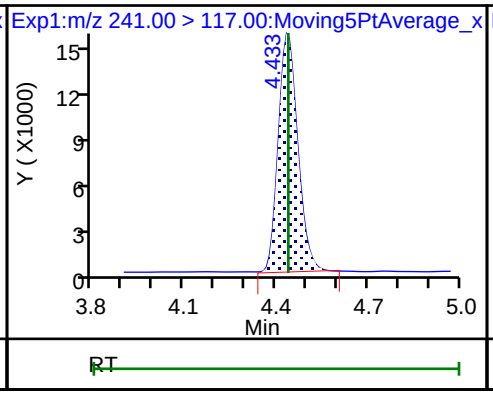
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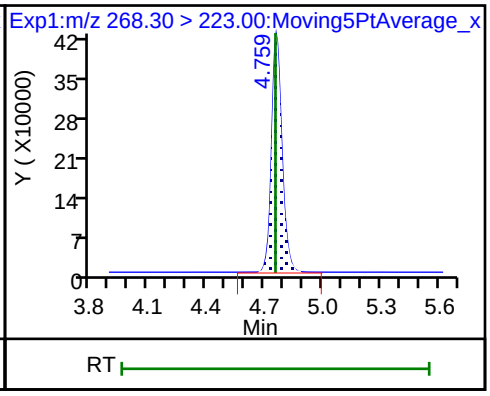
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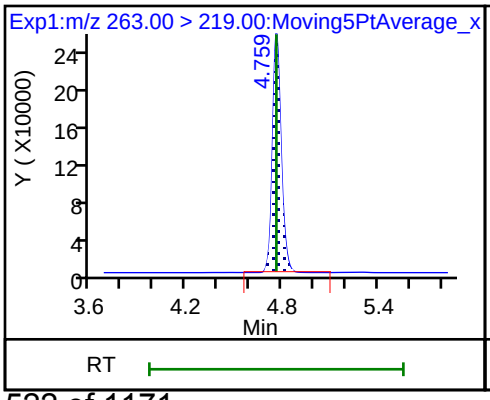
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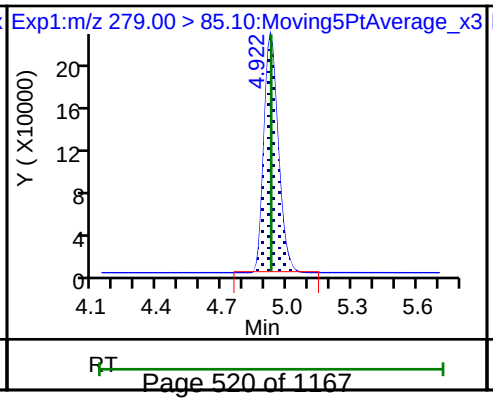
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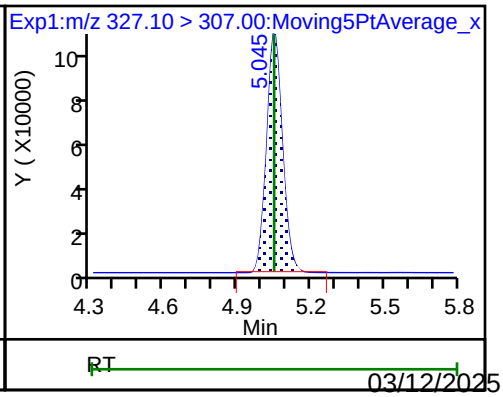
9 PFPA



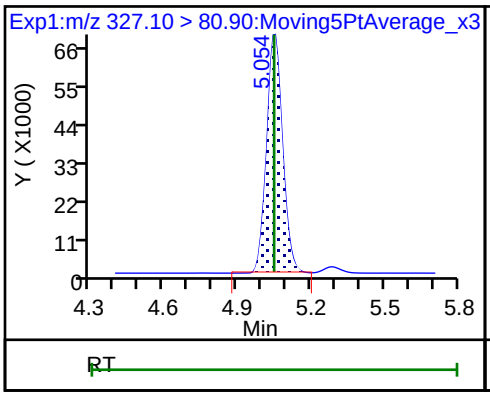
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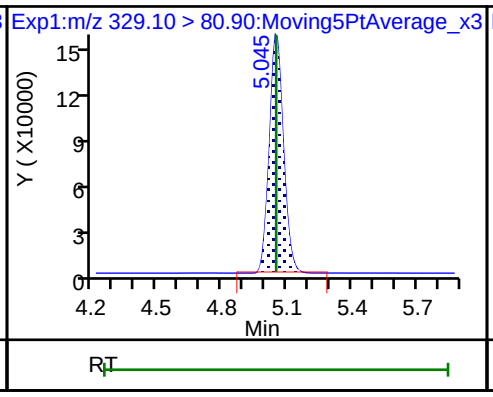
11 4:2FTS



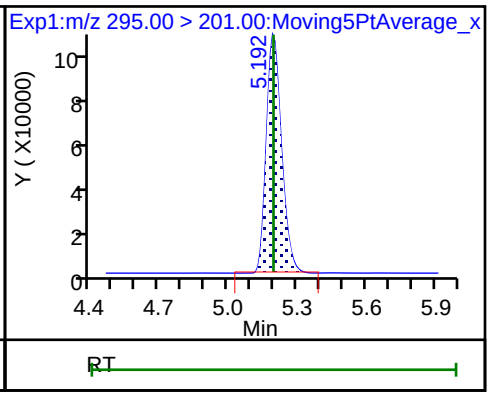
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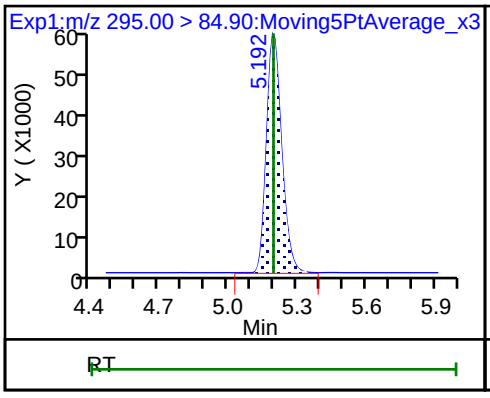
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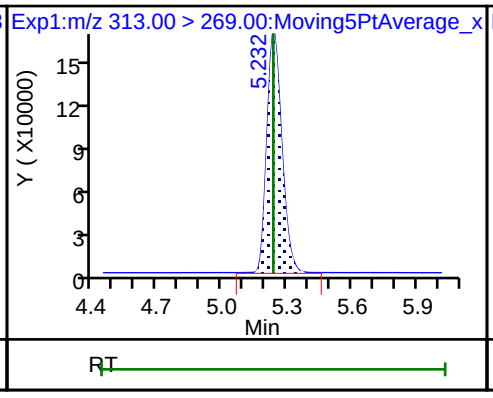
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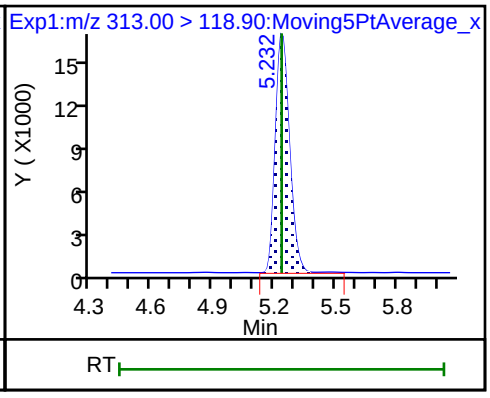
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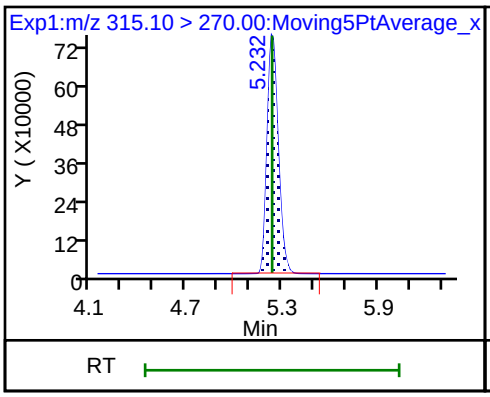
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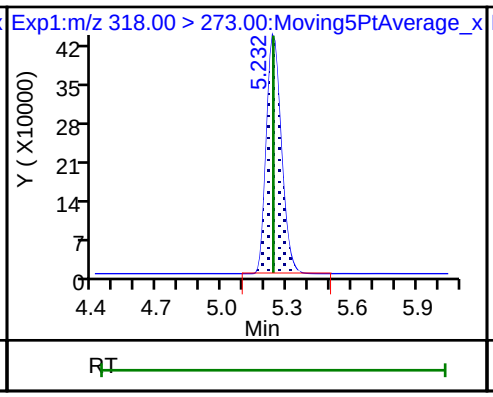
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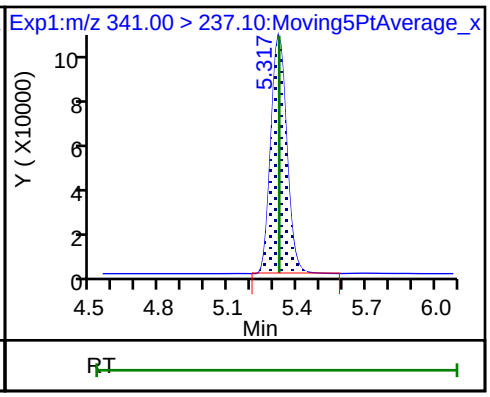
* 16 13C2 PFHxA



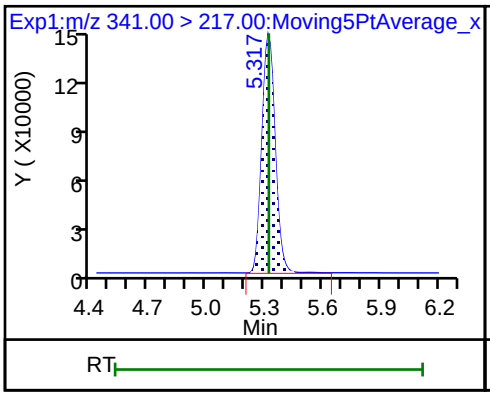
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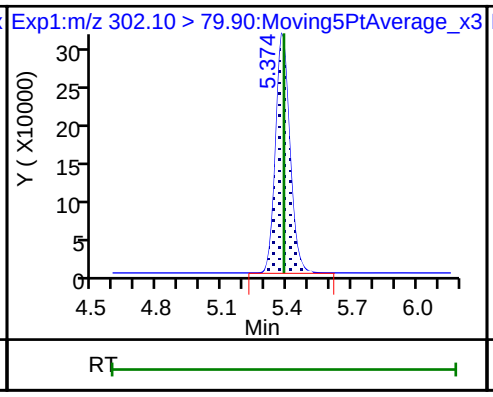
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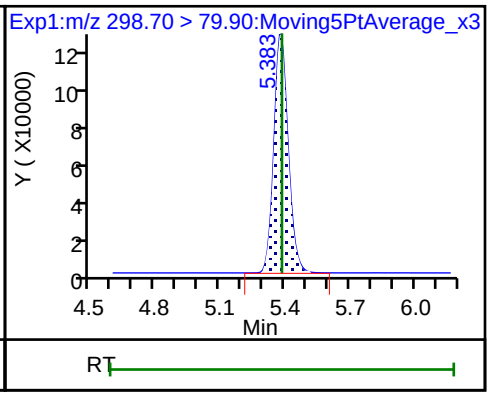
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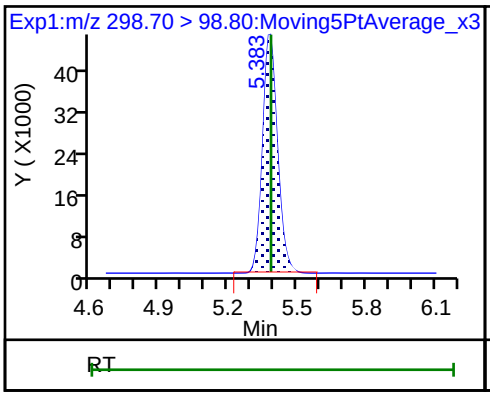
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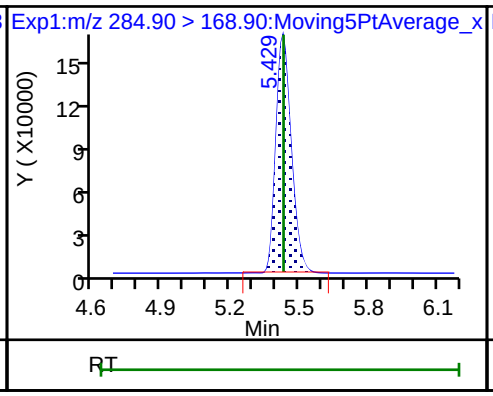
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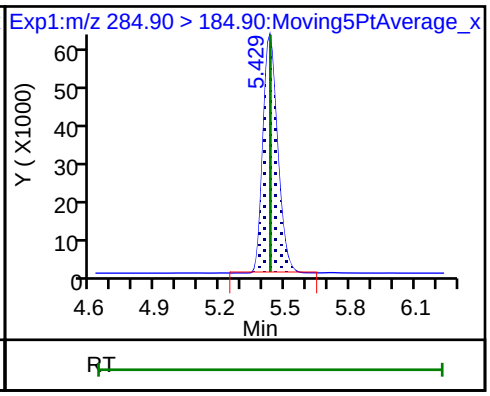
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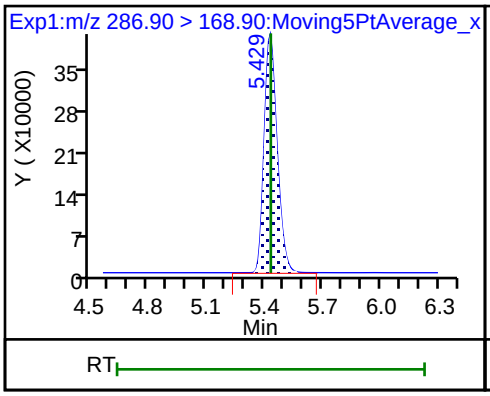
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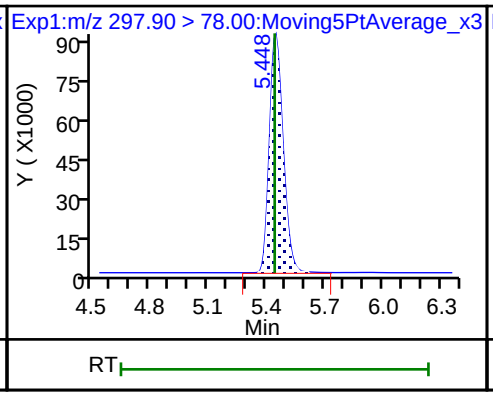
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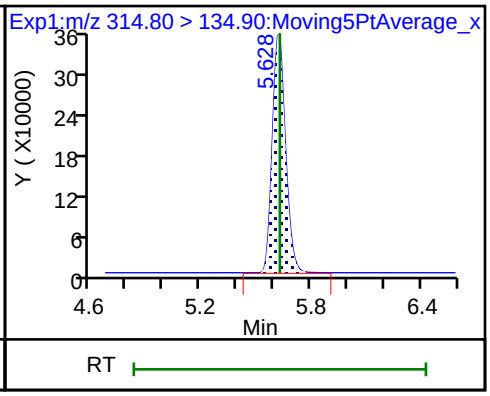
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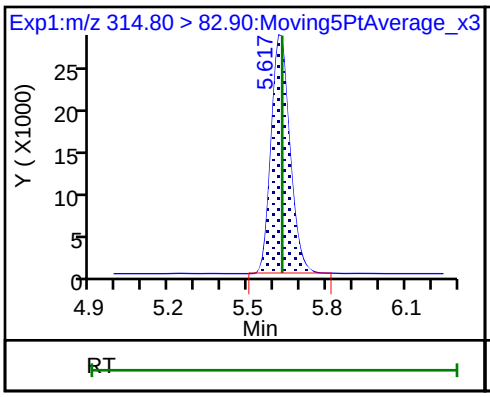
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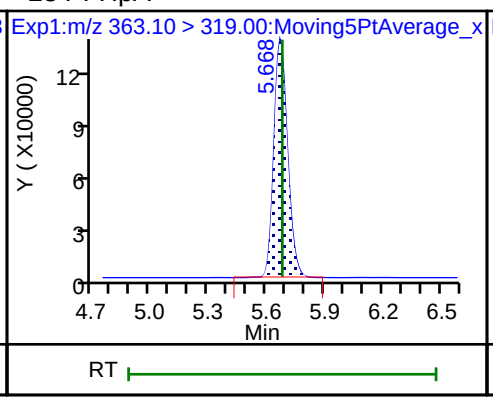
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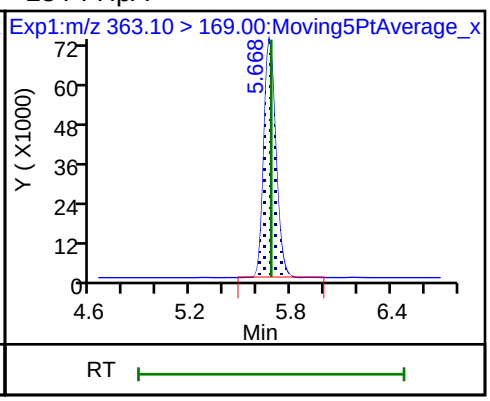
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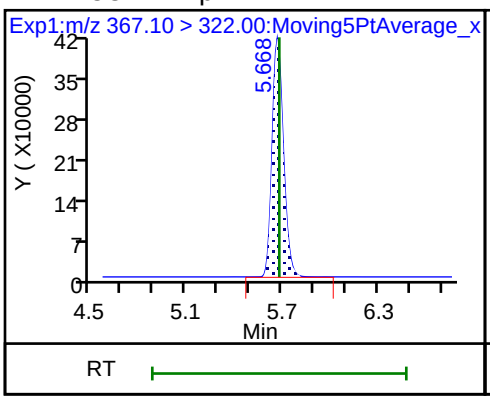
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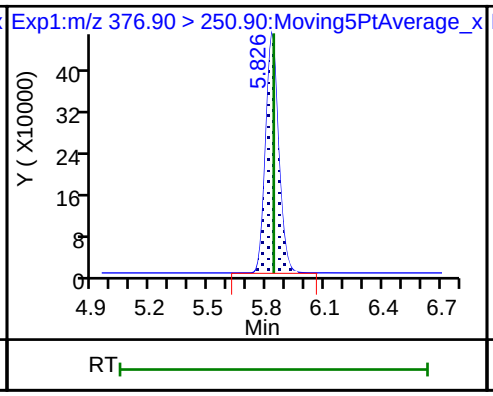
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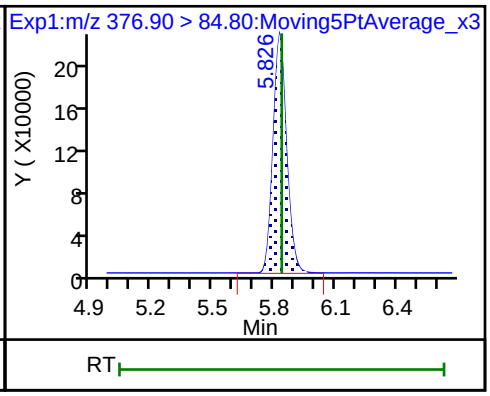
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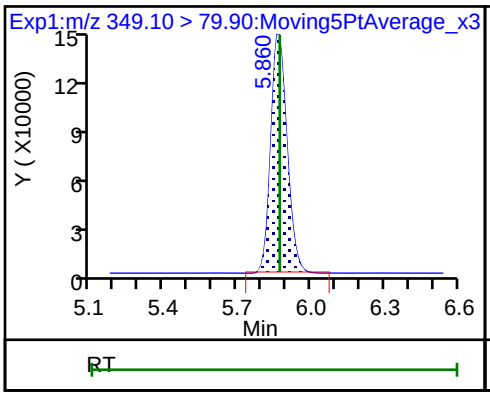
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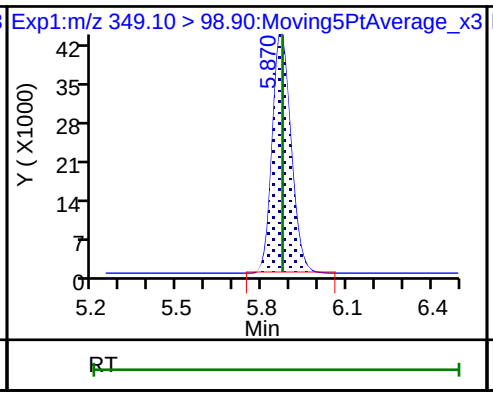
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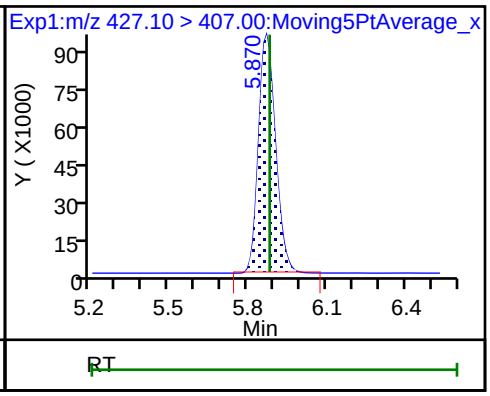
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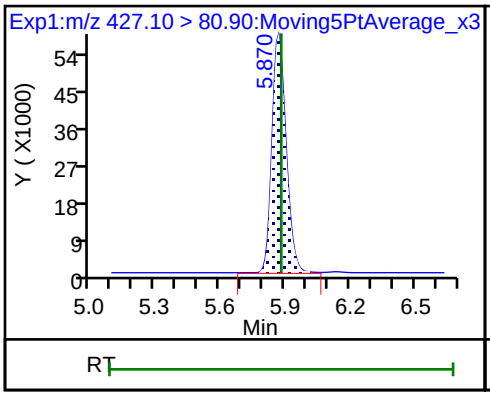
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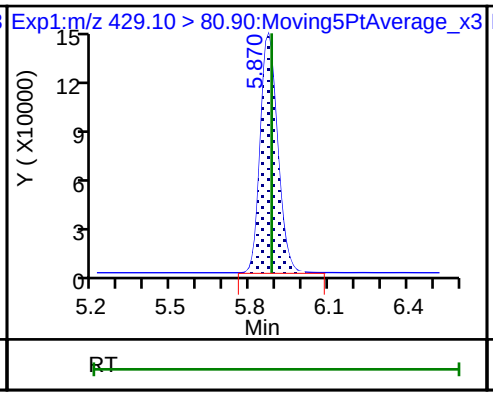
31 6:2FTS



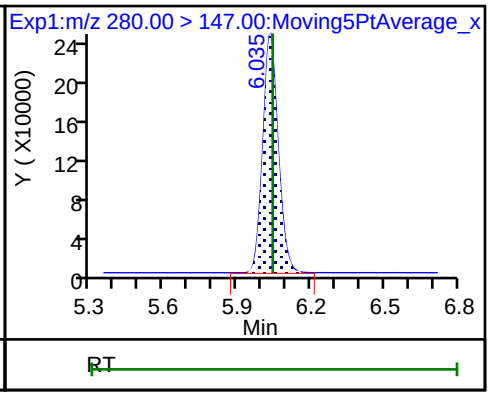
31 6:2FTS



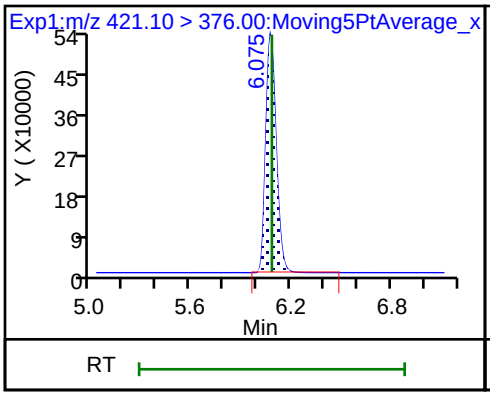
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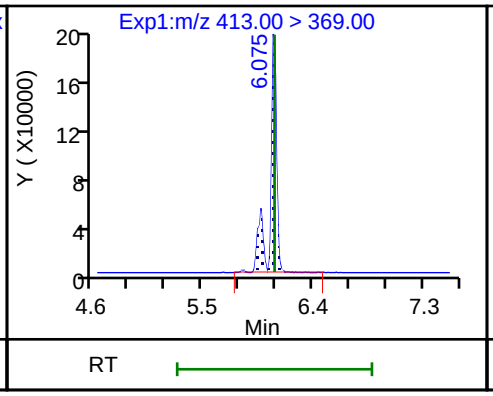
33 BTS



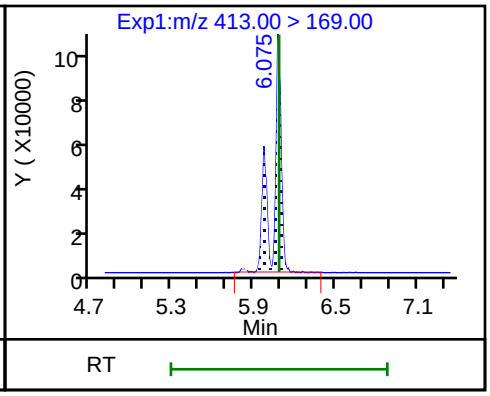
D 34 13C8 PFOA



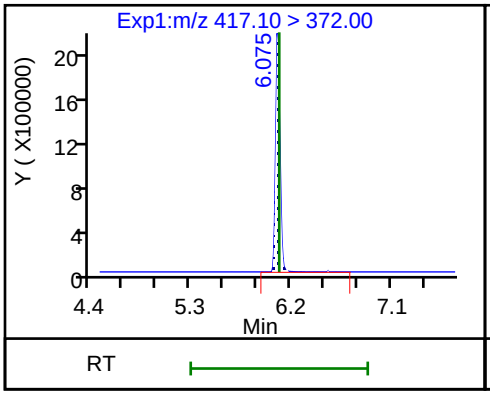
36 PFOA



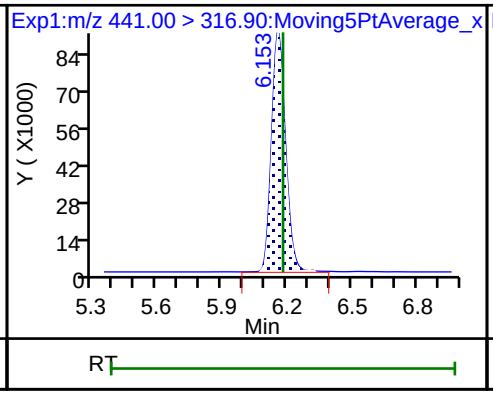
36 PFOA



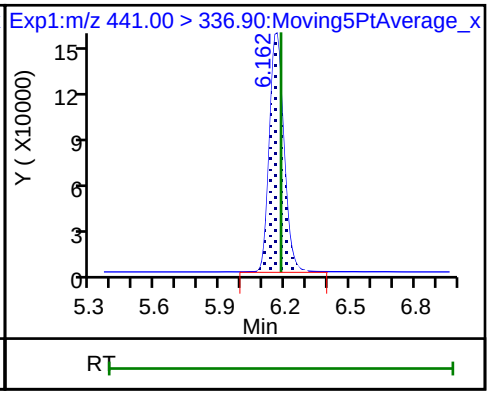
* 35 13C4 PFOA



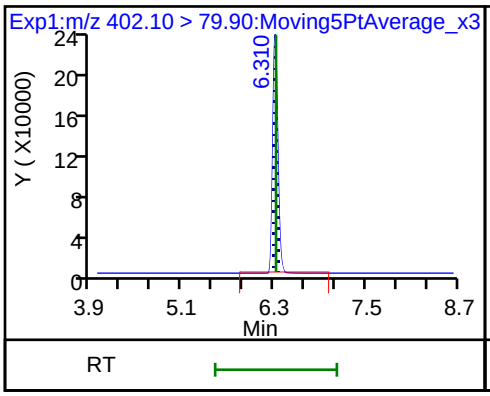
37 7:3 FTCA



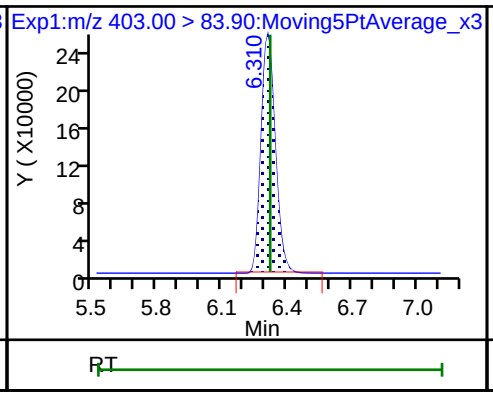
37 7:3 FTCA



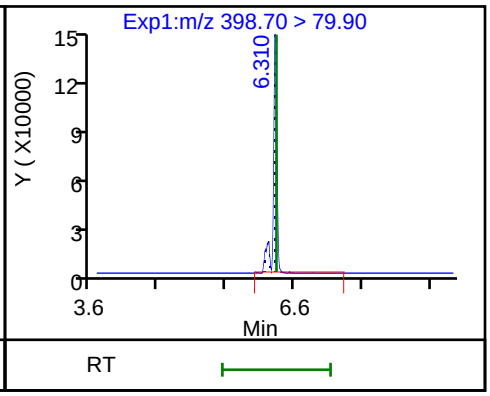
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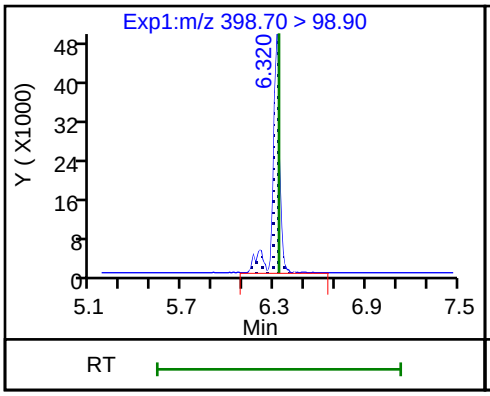
* 38 18O2 PFHxS



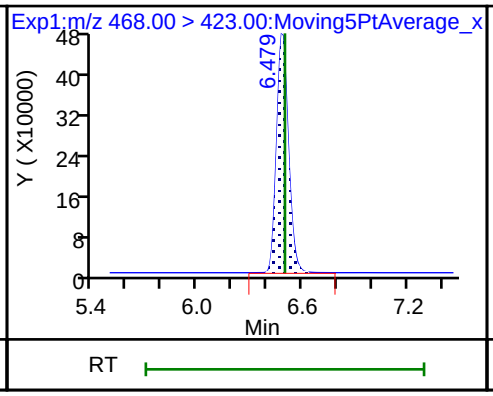
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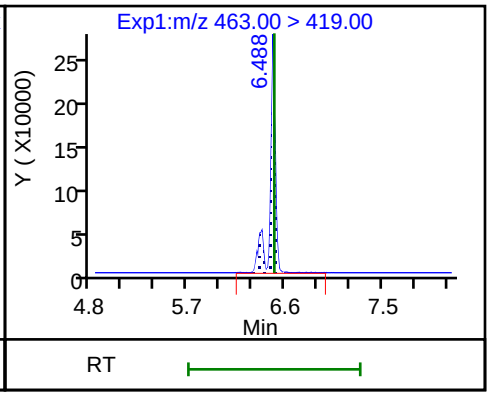
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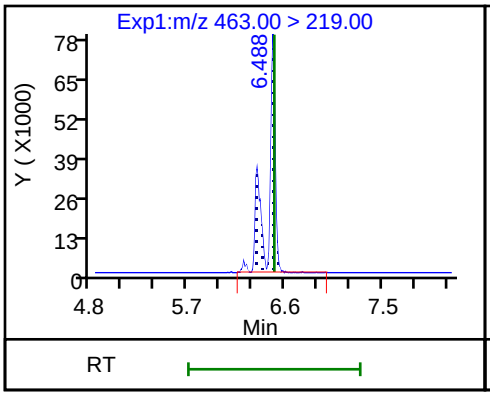
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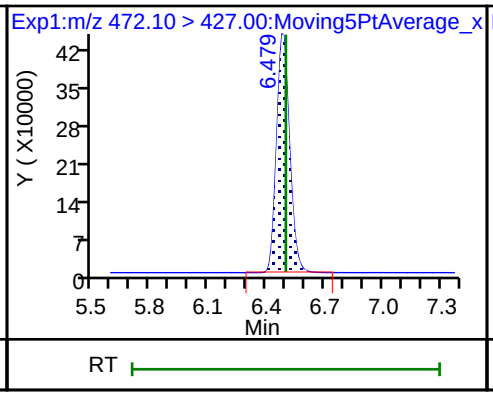
43 PFNA



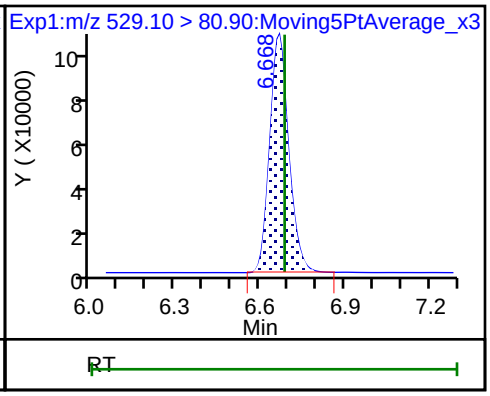
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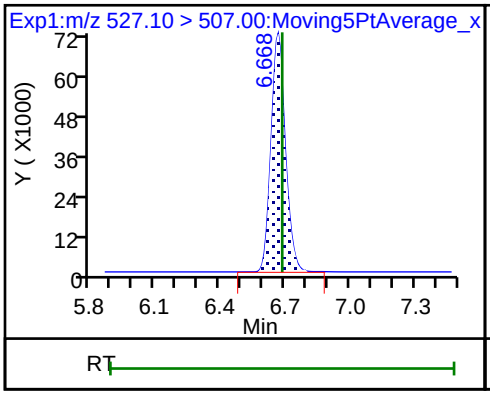
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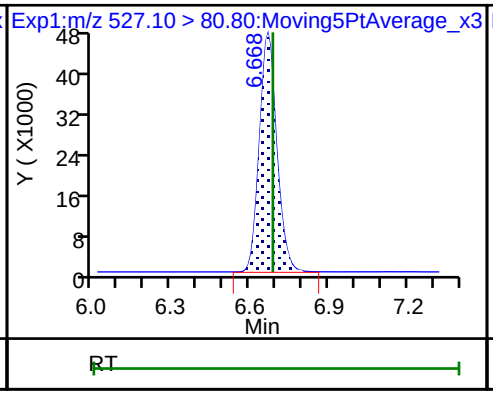
D 45 13C2-8:2FTS



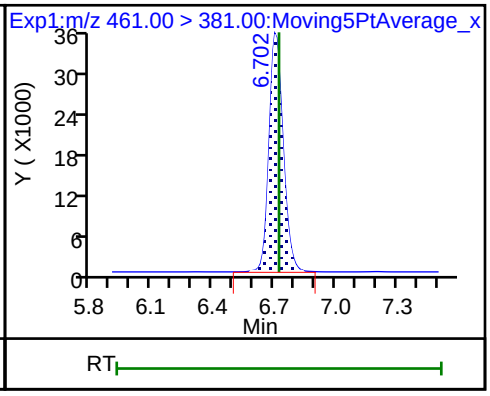
44 8:2FTS



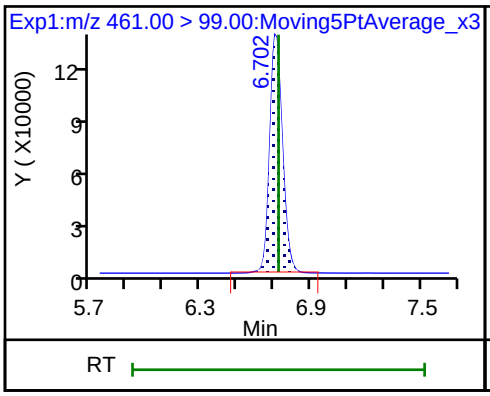
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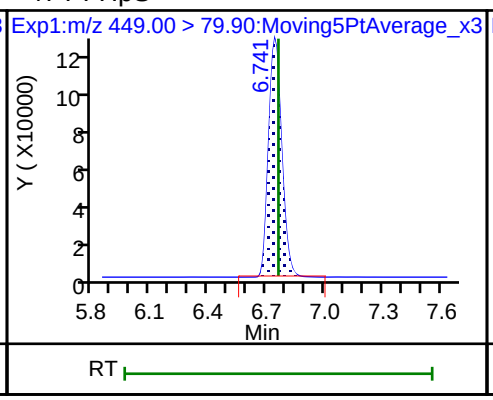
46 PFECHS



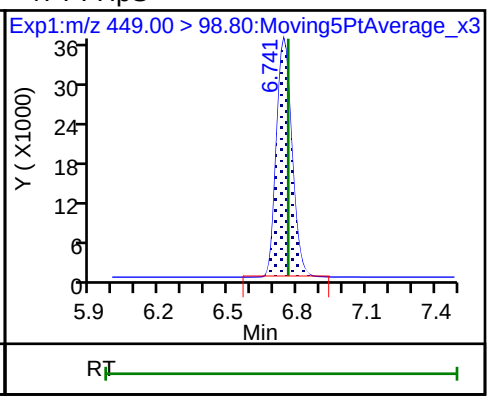
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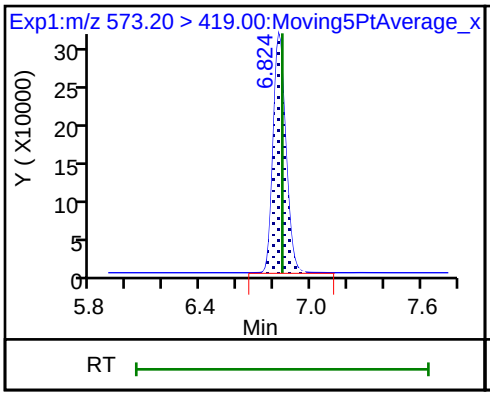
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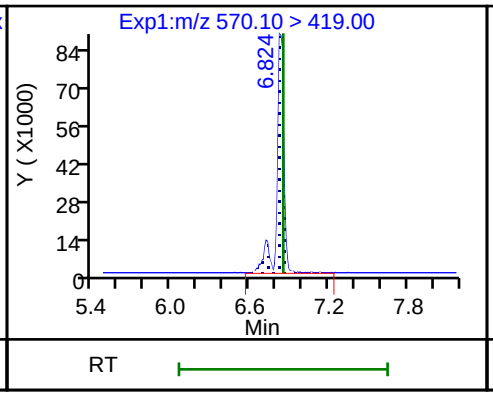
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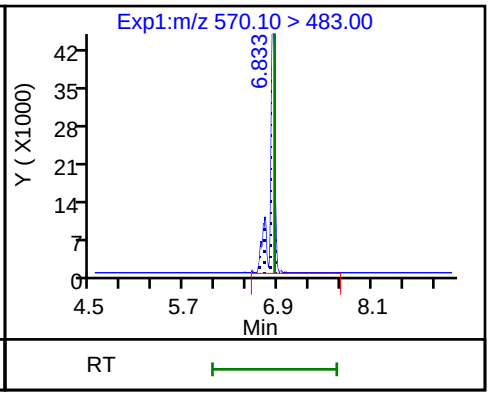
D 48 d3-NMeFOSAA



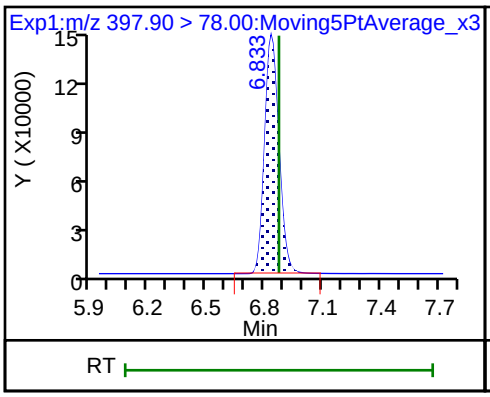
49 NMeFOSAA



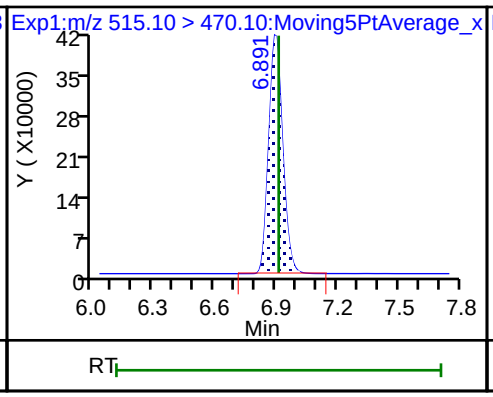
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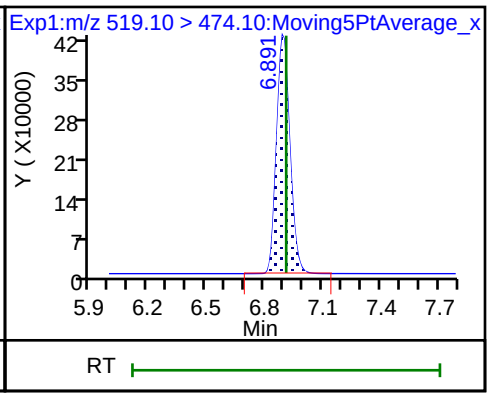
53 FHxSA



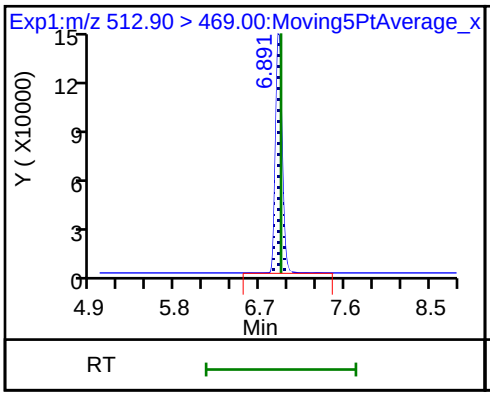
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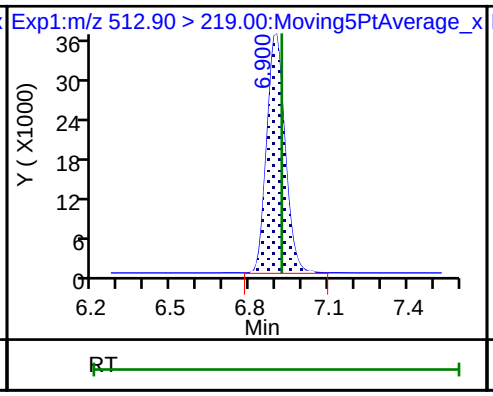
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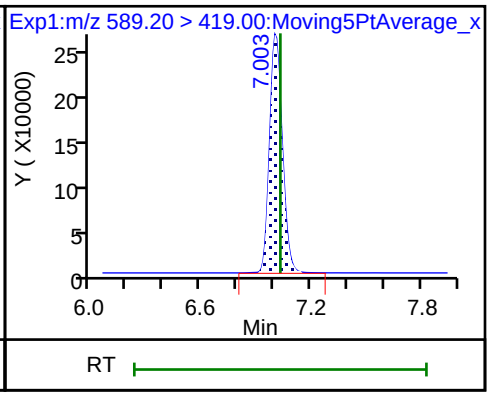
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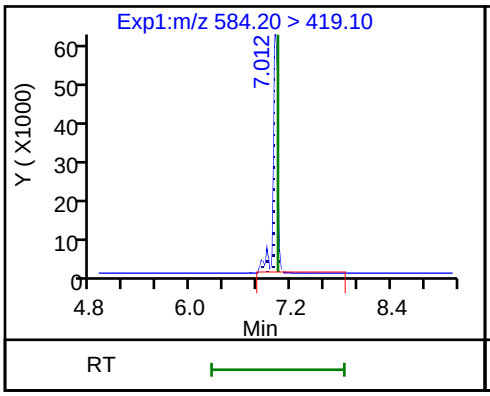
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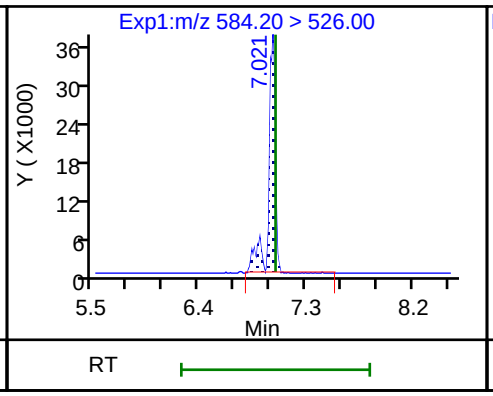
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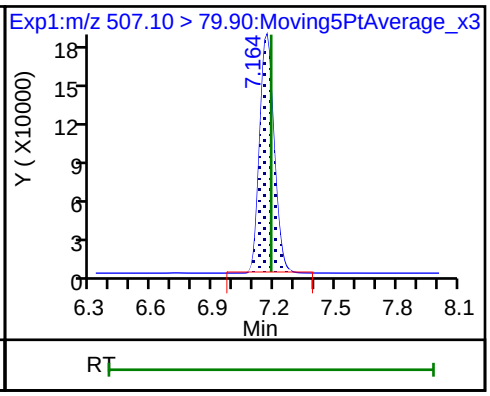
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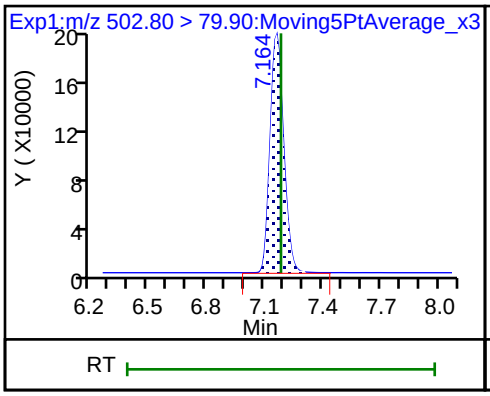
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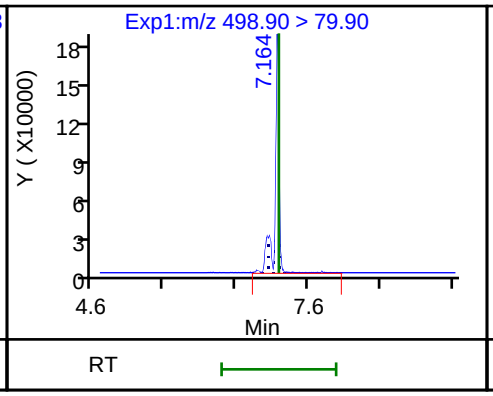
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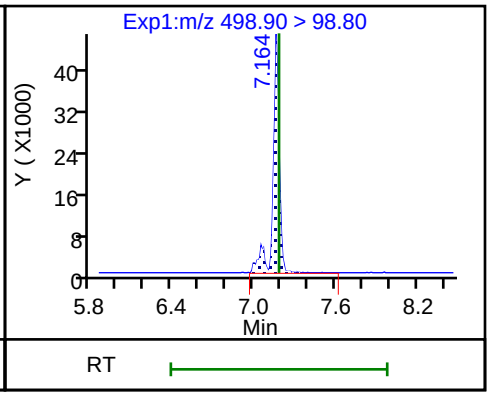
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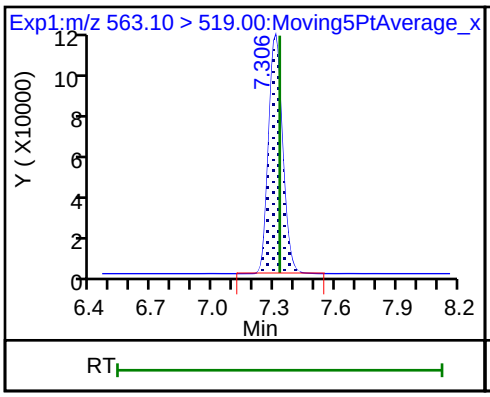
58 PFOS



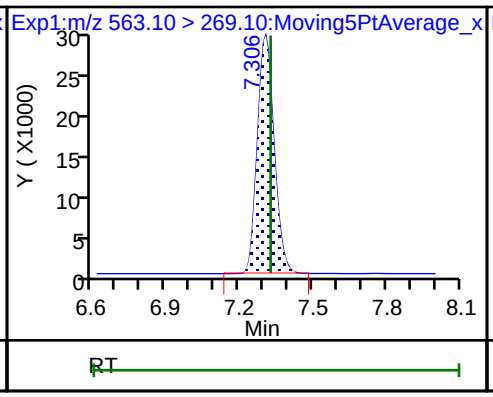
58 PFOS



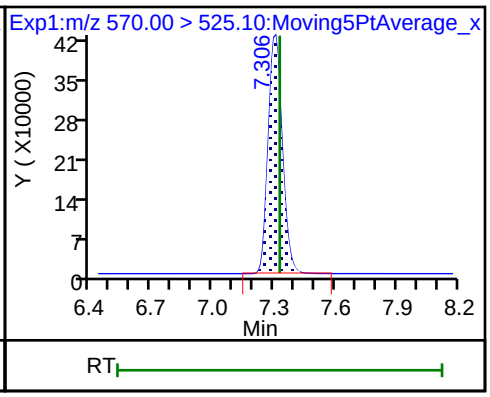
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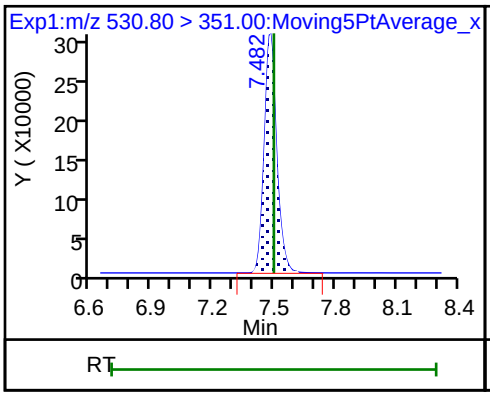
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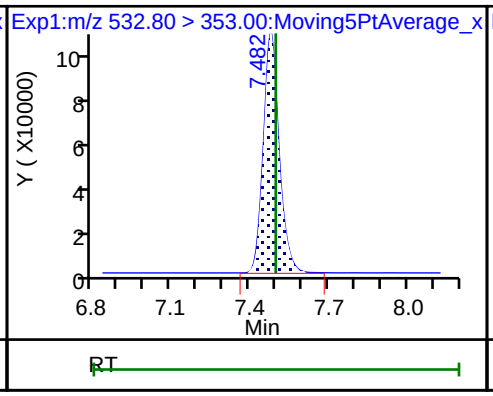
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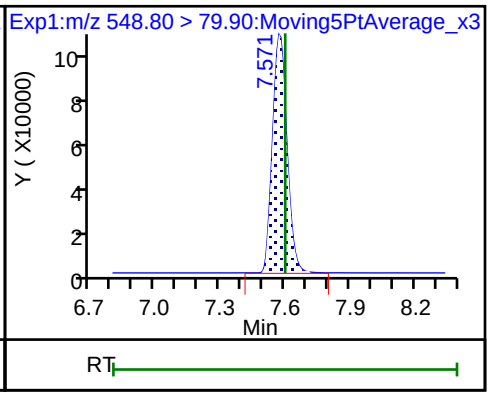
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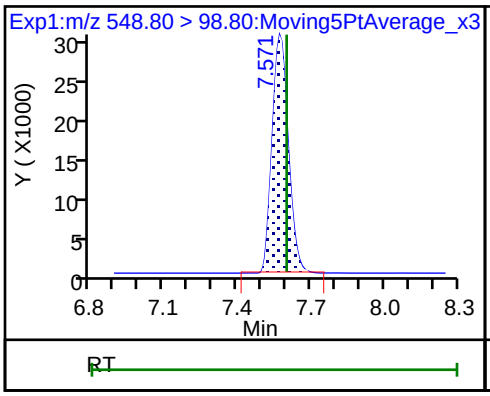
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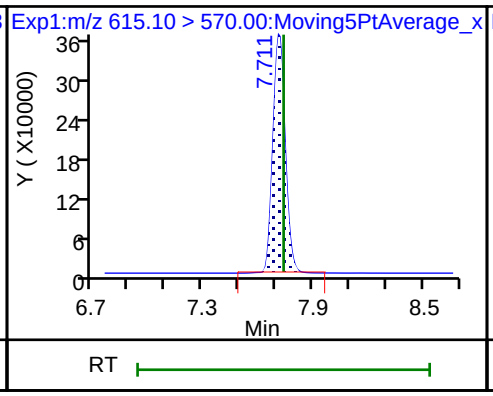
62 PFNS



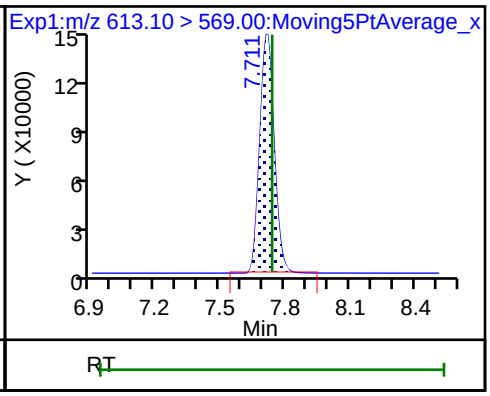
62 PFNS



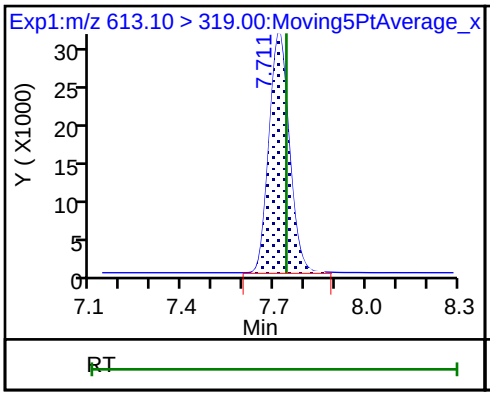
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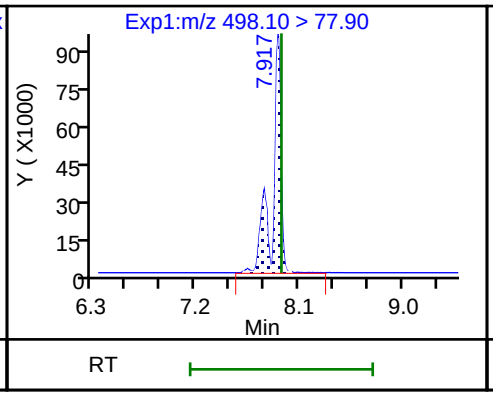
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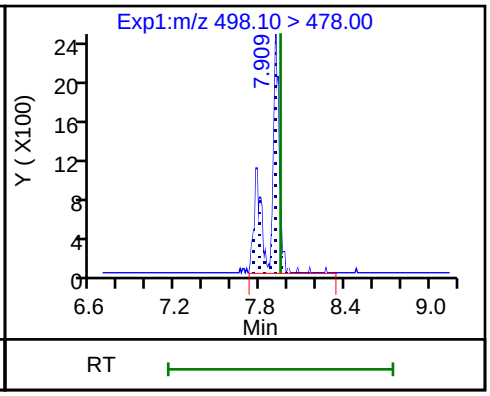
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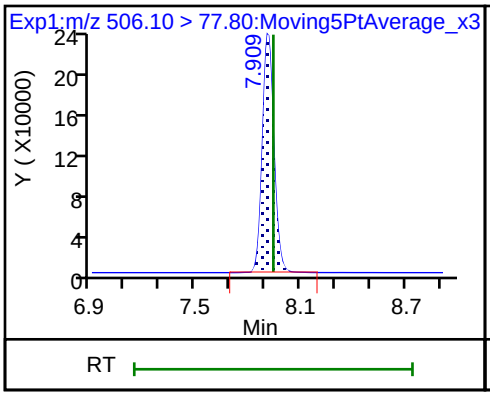
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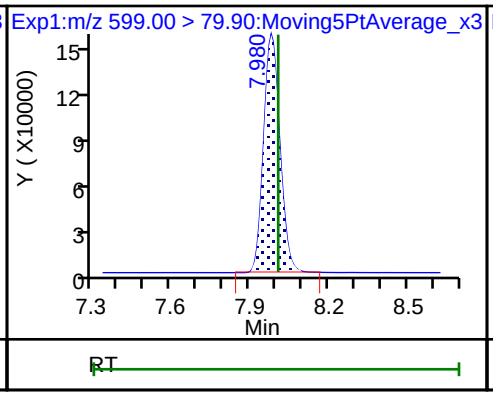
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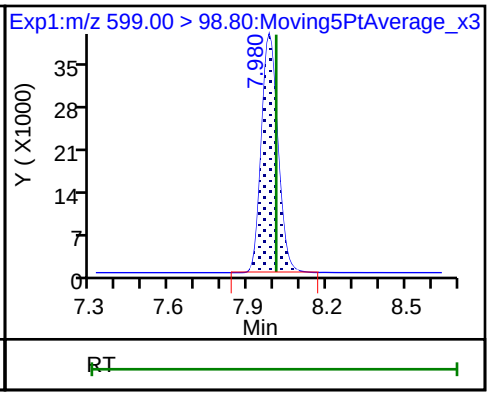
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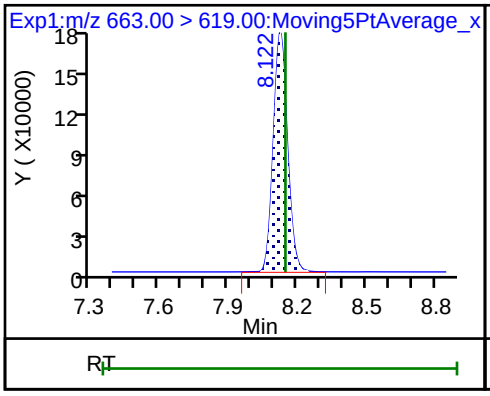
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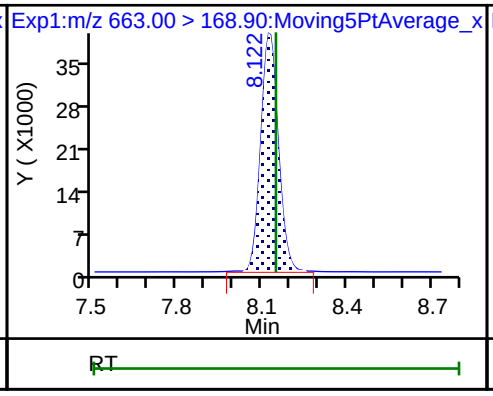
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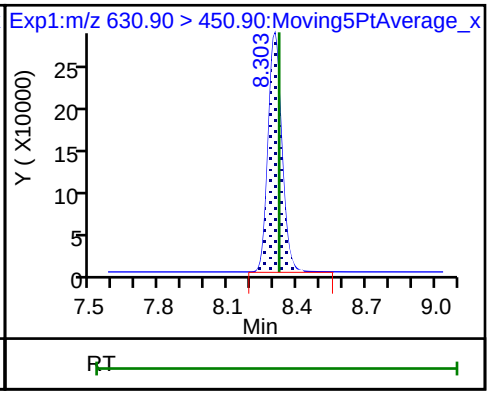
67 PFTrDA



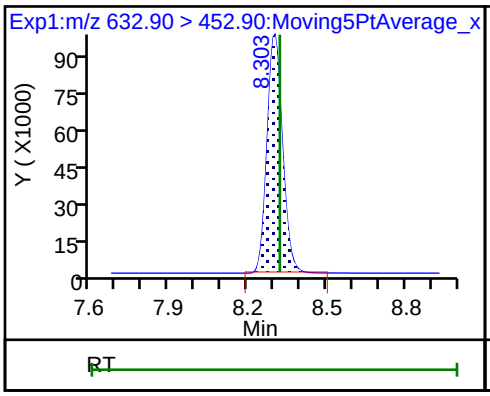
67 PFTrDA



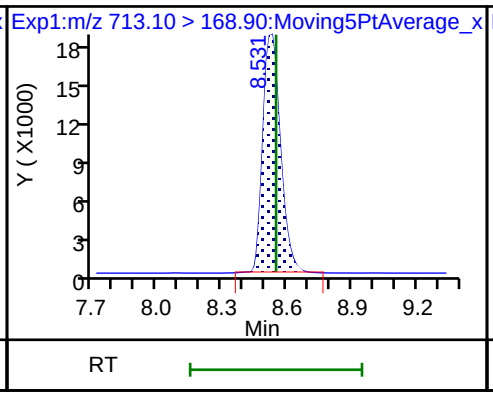
68 11ClFOS



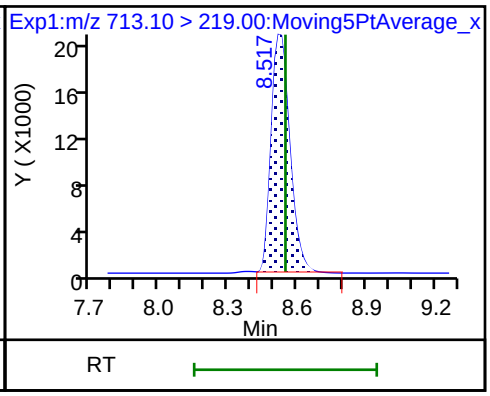
68 11ClFOS



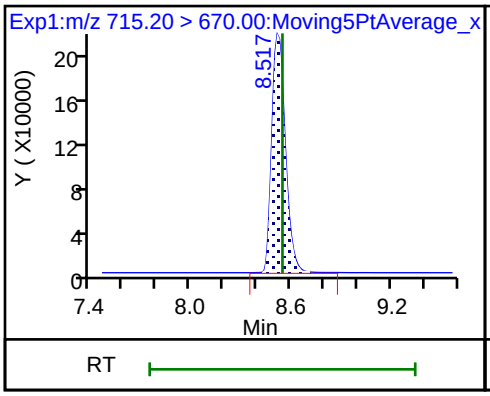
70 PFTeDA



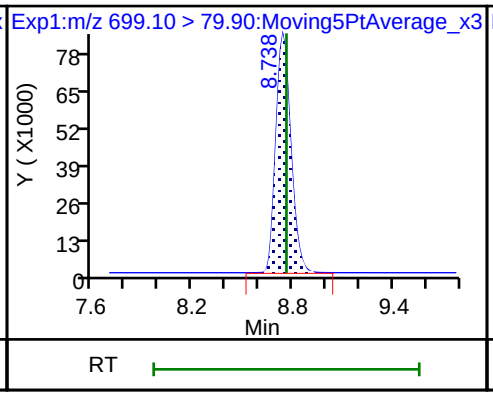
70 PFTeDA



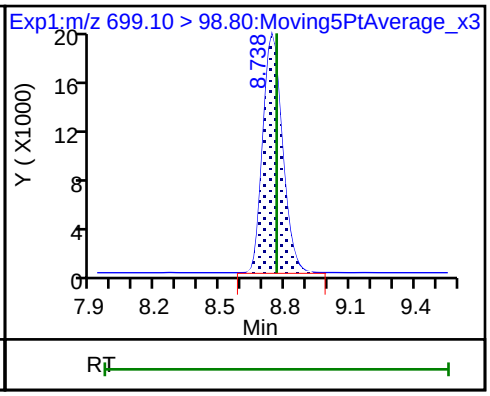
D 69 13C2 PFTeDA



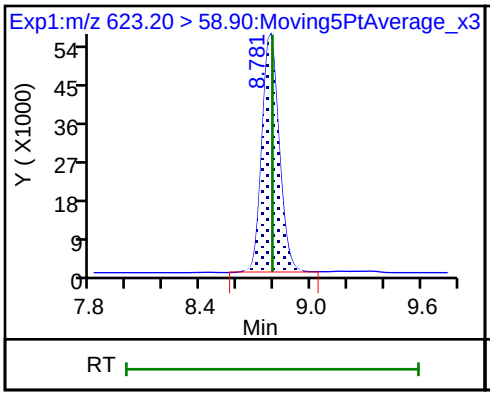
71 PFDoS



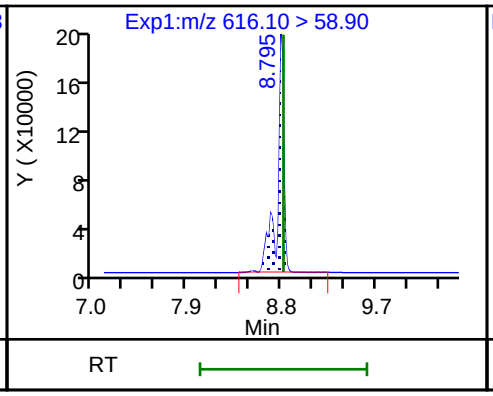
71 PFDoS



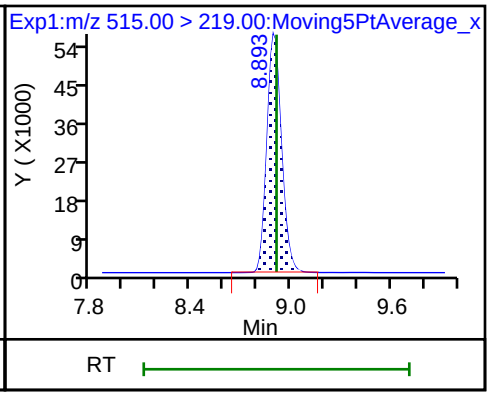
D 72 d7-N-Me-FOSE



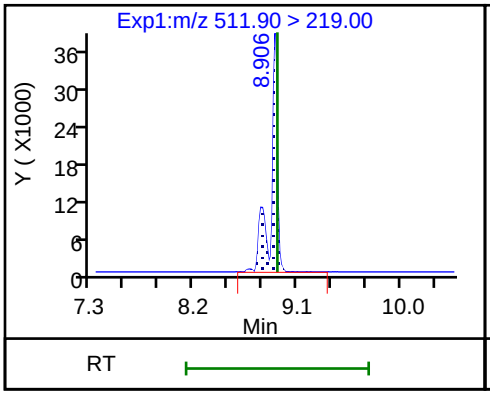
73 N-MeFOSE-M



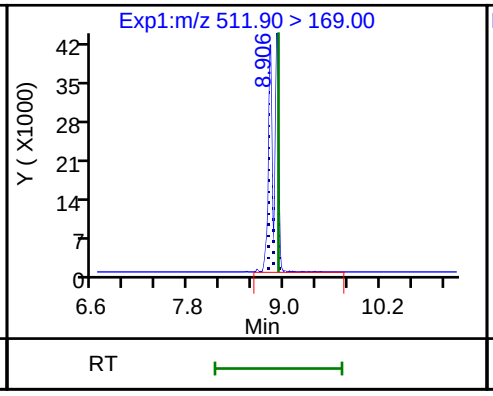
D 74 d3-NMePFOSA



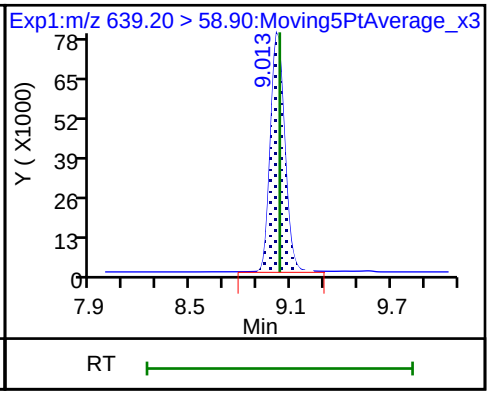
75 NMeFOSA



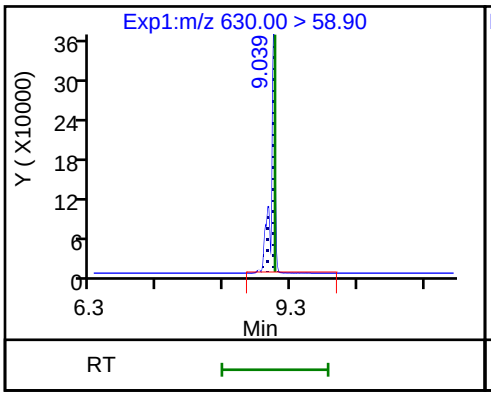
75 NMeFOSA



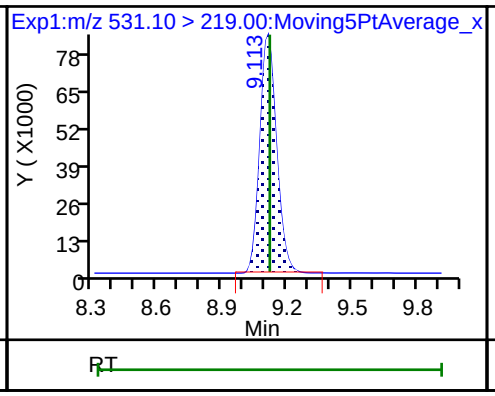
D 76 d9-N-EtFOSE



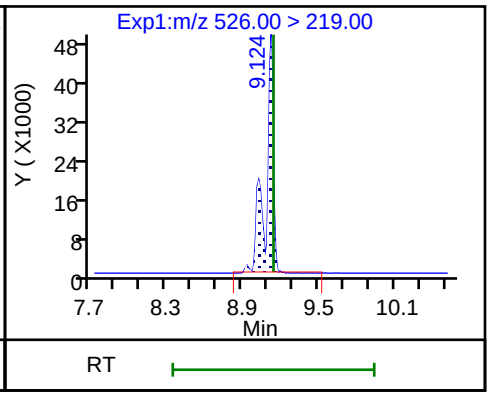
77 N-EtFOSE-M



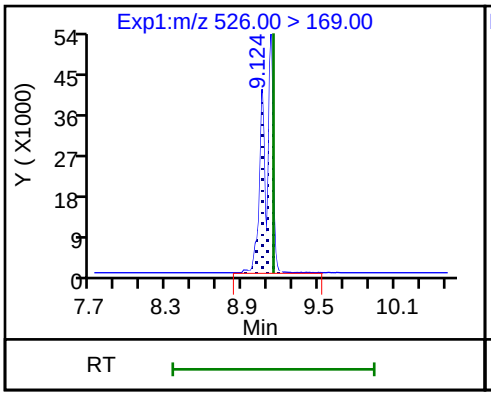
D 78 d5-NEtPFOSA



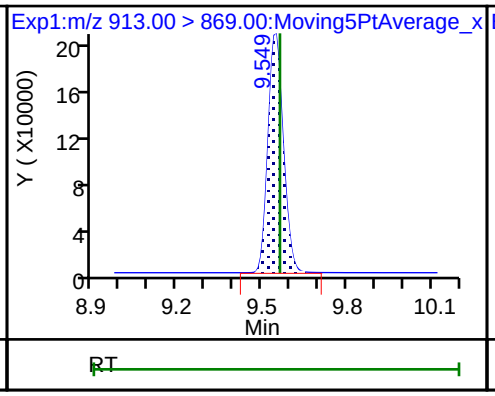
79 N-EtFOSA-M



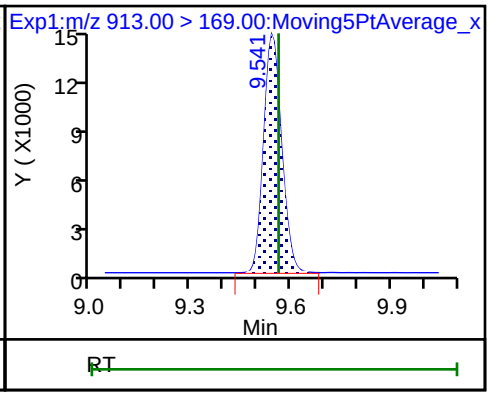
79 N-EtFOSA-M



80 Perfluorooctadecanoic acid



80 Perfluorooctadecanoic acid



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\25MAR06CAL-05.d
Lims ID: ICISAV CAL 5
Client ID:
Sample Type: ICISAV Calib Level: 5
Inject. Date: 06-Mar-2025 20:07:59 ALS Bottle#: 6 Worklist Smp#: 5
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: CAL 5
Misc. Info.: Plate: 1 Rack: 1
Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570
Sublist: chrom-30570-1633-125ml*sub2

Method: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\30570-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 07-Mar-2025 18:45:43 Calib Date: 06-Mar-2025 20:48:33
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\25MAR06CAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1645

First Level Reviewer: RPU6 Date: 06-Mar-2025 20:42:46
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C3PFPrA										
166.00 > 121.00	2.026	2.026	0.0	0.491	1736444	1.99		99.6	412	
2 Perfluoropropionic acid										
163.00 > 119.00	2.026	2.026	0.0	1.000	12033954	12.8		103	176	
5 PFBA										
212.80 > 168.90	4.119	4.119	0.0	1.000	4975720	5.17		103	6334	
D 3 13C4-PFBA										
216.80 > 171.90	4.119	4.119	0.0	0.998	2051943	1.98		98.8	60676	
* 4 13C3PFBA										
216.00 > 172.00	4.127	4.127	0.0		1932078	2.00			2621	
6 PFMPA										
229.00 > 84.90	4.430	4.430	0.0	0.932	2749735	2.52		101	88403	
7 3:3 FTCA										
241.00 > 177.00	4.439	4.439	0.0	0.933	293540	5.19	Target=1.52	104	16523	
241.00 > 117.00	4.439	4.439	0.0	0.933	192511		1.52(0.76-2.29)	104	10823	
D 8 13C5 PFPeA										
268.30 > 223.00	4.755	4.755	0.0	0.908	1639111	1.95		97.4	107566	
9 PFPA										
263.00 > 219.00	4.762	4.762	0.0	1.001	2720638	2.72		109	90623	
10 PFMBA										
279.00 > 85.10	4.926	4.926	0.0	1.036	2765933	2.39		95.7	148892	
11 4:2FTS										
327.10 > 307.00	5.049	5.049	0.0	1.000	1424175	5.15	Target=1.60	110	104917	
327.10 > 80.90	5.049	5.049	0.0	1.000	914203		1.56(0.80-2.40)	110	20331	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.049	5.049	0.0	0.799	714533	4.78		102	39104	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.196	5.196	0.0	0.992	1172117	2.71	Target=1.56	108	84652	
295.00 > 84.90	5.196	5.196	0.0	0.992	751486		1.56(0.78-2.33)	108	55190	
17 PFHxA										
313.00 > 269.00	5.236	5.236	0.0	1.000	2302506	2.82	Target=10.95	113	68441	
313.00 > 118.90	5.236	5.236	0.0	1.000	198613		11.59(5.48-16.43)	113	13676	
* 16 13C2 PFHxA										
315.10 > 270.00	5.236	5.236	0.0		4208716	5.00			220241	
D 15 13C5 PFHxA										
318.00 > 273.00	5.236	5.236	0.0	1.000	1987398	1.76		87.8	102989	
18 5:3 FTCA										
341.00 > 237.10	5.321	5.321	0.0	1.016	1433090	13.3	Target=0.72	106	75556	
341.00 > 217.00	5.321	5.321	0.0	1.016	1974984		0.73(0.36-1.08)	106	83211	
D 20 13C3 PFBS										
302.10 > 79.90	5.385	5.385	0.0	0.852	1481395	2.03		109	106674	
19 PFBS										
298.70 > 79.90	5.385	5.385	0.0	1.000	1658396	2.33	Target=2.90	105	121507	
298.70 > 98.80	5.385	5.385	0.0	1.000	568753		2.92(1.45-4.35)	105	41340	
21 HFPO-DA										
284.90 > 168.90	5.431	5.431	0.0	1.000	1971196	1.83	Target=2.63	97.7	83477	
284.90 > 184.90	5.431	5.431	0.0	1.000	768468		2.57(1.32-3.95)	97.7	40774	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.431	5.431	0.0	1.037	1988897	1.94		97.0	105738	
23 FBSA										
297.90 > 78.00	5.441	5.441	0.0	1.010	1271073	2.66		106	51164	
26 PFEESA										
314.80 > 134.90	5.630	5.630	0.0	1.075	5061782	2.55	Target=12.49	114	258569	
314.80 > 82.90	5.630	5.630	0.0	1.075	405752		12.48(6.24-18.74)	114	27655	
28 PFHpA										
363.10 > 319.00	5.681	5.681	0.0	1.000	1939776	2.53	Target=1.89	101	97617	
363.10 > 169.00	5.681	5.681	0.0	1.000	1013512		1.91(0.95-2.84)	101	50627	
D 27 13C4 PFHpA										
367.10 > 322.00	5.681	5.681	0.0	1.085	2098920	1.96		97.9	105467	
29 ADONA										
376.90 > 250.90	5.836	5.836	0.0	1.075	6174525	2.53	Target=2.13	107	336325	
376.90 > 84.80	5.836	5.836	0.0	1.075	2945609		2.10(1.07-3.20)	107	162395	
30 PFPeS										
349.10 > 79.90	5.872	5.872	0.0	0.929	1861584	2.66	Target=3.41	113	134553	
349.10 > 98.90	5.872	5.872	0.0	0.929	553969		3.36(1.70-5.11)	113	40021	
31 6:2FTS										
427.10 > 407.00	5.882	5.882	0.0	1.000	1187976	5.20	Target=1.64	110	87473	
427.10 > 80.90	5.882	5.882	0.0	1.000	719640		1.65(0.82-2.45)	110	39437	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.882	5.882	0.0	0.931	615645	4.93		104	44645	
33 BTS										
280.00 > 147.00	6.043	6.043	0.0	0.956	2894950	2.67		109	164545	
D 34 13C8 PFOA										
421.10 > 376.00	6.085	6.085	0.0	0.999	2362502	2.04		102	133404	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
36 PFOA										
413.00 > 369.00	6.085	6.085	0.0	1.000	1838928	2.65	Target=1.63	106	482763	
413.00 > 169.00	6.093	6.085	0.008	1.001	1158697		1.59(0.82-2.45)	106	2343	
* 35 13C4 PFOA										
417.10 > 372.00	6.093	6.093	0.0		5824676	5.00			11195	
37 7:3 FTCA										
441.00 > 316.90	6.181	6.181	0.0	1.181	1220879	15.1	Target=0.59	121	66803	
441.00 > 336.90	6.181	6.181	0.0	1.181	1897760		0.64(0.29-0.88)	121	104180	
D 39 13C3 PFHxS										
402.10 > 79.90	6.321	6.321	0.0	1.000	1106325	1.96		104	78900	
* 38 18O2 PFHxS										
403.00 > 83.90	6.321	6.321	0.0		1102184	1.89			77667	
40 PFHxS										
398.70 > 79.90	6.330	6.330	0.0	1.001	1221957	2.32	Target=3.32	102	3368	
398.70 > 98.90	6.330	6.330	0.0	1.001	357736		3.42(1.66-4.98)	102	989	
D 42 13C9 PFNA										
472.10 > 427.00	6.499	6.499	0.0	1.000	2160669	1.97		98.4	114130	
* 41 13C5 PFNA										
468.00 > 423.00	6.499	6.499	0.0		2241552	2.00			95053	
43 PFNA										
463.00 > 419.00	6.499	6.499	0.0	1.000	2366763	2.49	Target=2.60	99.7	622683	
463.00 > 219.00	6.508	6.499	0.009	1.001	935538		2.53(1.30-3.91)	99.7	2032	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.686	6.686	0.0	1.058	522025	4.97		103	37790	
44 8:2FTS										
527.10 > 507.00	6.686	6.686	0.0	1.000	860378	5.10	Target=1.64	107	62498	
527.10 > 80.80	6.686	6.686	0.0	1.000	512861		1.68(0.82-2.45)	107	36963	
46 PFECHS										
461.00 > 381.00	6.723	6.723	0.0	1.064	474501	2.59	Target=0.25	112	32918	
461.00 > 99.00	6.723	6.723	0.0	1.064	1822419		0.26(0.13-0.38)	112	125741	
47 PFHpS										
449.00 > 79.90	6.760	6.760	0.0	0.941	1579945	2.40	Target=3.90	101	83683	
449.00 > 98.80	6.760	6.760	0.0	0.941	410388		3.85(1.95-5.85)	101	28444	
D 48 d3-NMeFOSAA										
573.20 > 419.00	6.843	6.843	0.0	0.953	1431923	4.63		92.6	98998	
49 NMeFOSAA										
570.10 > 419.00	6.853	6.853	0.0	1.001	819992	2.77	Target=1.75	111	1731	
570.10 > 483.00	6.853	6.853	0.0	1.001	445342		1.84(0.87-2.62)	111	1198	
53 FHxSA										
397.90 > 78.00	6.874	6.874	0.0	1.087	2039950	2.76		110	78114	
* 50 13C2 PFDA										
515.10 > 470.10	6.911	6.911	0.0		2007032	2.00			104600	
D 51 13C6 PFDA										
519.10 > 474.10	6.911	6.911	0.0	1.000	1990077	1.94		97.1	82909	
52 PFDA										
512.90 > 469.00	6.920	6.920	0.0	1.001	1858420	2.56	Target=4.00	103	130268	
512.90 > 219.00	6.911	6.920	-0.009	1.000	469524		3.96(2.00-6.00)	103	32852	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.033	7.033	0.0	0.979	1222944	4.68		93.6	83111	
55 NEtFOSAA										
584.20 > 419.10	7.043	7.043	0.0	1.001	572128	2.76	Target=1.50	110	1277	
584.20 > 526.00	7.033	7.043	-0.010	1.000	374351		1.53(0.75-2.25)	110	949	
D 56 13C8 PFOS										
507.10 > 79.90	7.184	7.184	0.0	1.000	970357	2.01		105	21936	
* 57 13C4 PFOS										
502.80 > 79.90	7.184	7.184	0.0		924254	1.91			62928	
58 PFOS										
498.90 > 79.90	7.184	7.184	0.0	1.000	1685648	2.27	Target=4.37	97.8	147293	
498.90 > 98.80	7.184	7.184	0.0	1.000	397825		4.24(2.18-6.55)	97.8	1197	
60 PFUnA										
563.10 > 519.00	7.326	7.326	0.0	1.000	1422126	2.57	Target=3.87	103	75624	
563.10 > 269.10	7.326	7.326	0.0	1.000	369709		3.85(1.93-5.80)	103	26271	
D 59 13C7 PFUnA										
570.00 > 525.10	7.326	7.326	0.0	1.060	2060698	1.93		96.6	107919	
61 9ClFOS										
530.80 > 351.00	7.497	7.497	0.0	1.380	3544232	2.36	Target=2.97	101	163571	
532.80 > 353.00	7.497	7.497	0.0	1.380	1155633		3.07(1.48-4.45)	101	67474	
62 PFNS										
548.80 > 79.90	7.600	7.600	0.0	1.058	1371475	2.41	Target=3.70	100	58920	
548.80 > 98.80	7.592	7.600	-0.008	1.057	382224		3.59(1.85-5.55)	100	27415	
D 81 13C2 PFDoA										
615.10 > 570.00	7.739	7.739	0.0	1.120	1769797	1.93		96.4	96478	
63 PFDoA										
613.10 > 569.00	7.739	7.739	0.0		1778265	2.61	Target=4.68	104	97387	
613.10 > 319.00	7.739	7.739	0.0		392140		4.53(2.34-7.01)	104	28602	
64 PFOSA										
498.10 > 77.90	7.944	7.944	0.0	1.000	1299041	2.63	Target=50.02	105	2614	
498.10 > 478.00	7.952	7.944	0.008	1.001	28795		45.11(25.01-75.03)	105	95.0	
D 65 13C8 FOSA										
506.10 > 77.80	7.944	7.944	0.0	1.106	1046153	2.02		101	57153	
66 PFDS										
599.00 > 79.90	8.007	8.007	0.0	1.115	1762642	2.46	Target=3.88	102	80554	
599.00 > 98.80	8.007	8.007	0.0	1.115	457080		3.86(1.94-5.82)	102	34974	
67 PFTrDA										
663.00 > 619.00	8.148	8.148	0.0	0.953	2057502	2.61	Target=4.52	104	120340	
663.00 > 168.90	8.148	8.148	0.0	0.953	450487		4.57(2.26-6.79)	104	35047	
68 11ClFOS										
630.90 > 450.90	8.321	8.321	0.0	1.532	3271559	2.39	Target=2.95	101	197370	
632.90 > 452.90	8.321	8.321	0.0	1.532	1107073		2.96(1.47-4.42)	101	89265	
70 PFTeDA										
713.10 > 168.90	8.548	8.548	0.0	1.000	294136	2.60	Target=0.91	104	17236	
713.10 > 219.00	8.548	8.548	0.0	1.000	331009		0.89(0.45-1.36)	104	11547	
D 69 13C2 PFTeDA										
715.20 > 670.00	8.548	8.548	0.0	1.237	1284045	1.97		98.5	75046	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
71 PFDoS										
699.10 > 79.90	8.760	8.760	0.0	1.219	1469247	2.58	Target=4.00	106	78370	
699.10 > 98.80	8.760	8.760	0.0	1.219	351484		4.18(2.00-6.00)	106	18641	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.789	8.789	0.0	1.223	385729	5.19		104	6724	
73 N-MeFOSE-M										
616.10 > 58.90	8.818	8.818	0.0	1.003	2403182	12.7		102	7806	
D 74 d3-NMePFOSA										
515.00 > 219.00	8.913	8.913	0.0	1.241	350008	2.05		103	19577	
75 NMeFOSA										
511.90 > 219.00	8.926	8.926	0.0	1.001	424891	2.61	Target=0.65	105	1746	
511.90 > 169.00	8.926	8.926	0.0	1.001	634931		0.67(0.32-0.97)	105	1650	
D 76 d9-N-EtFOSE										
639.20 > 58.90	9.032	9.032	0.0	1.257	476108	5.10		102	10261	
77 N-EtFOSE-M										
630.00 > 58.90	9.059	9.059	0.0	1.003	4009659	12.9		103	9432	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.119	9.119	0.0	1.269	480746	2.06		103	29572	
79 N-EtFOSA-M										
526.00 > 219.00	9.143	9.143	0.0	1.003	558705	2.63	Target=0.82	105	2376	
526.00 > 169.00	9.131	9.143	-0.012	1.001	677766		0.82(0.41-1.23)	105	2352	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.563	9.563	0.0	1.119	2131841	2.71	Target=13.85	108	84279	
913.00 > 169.00	9.563	9.563	0.0	1.119	145307		14.67(6.92-20.77)	108	13390	

QC Flag Legend

Processing Flags

Reagents:

1633_125_CAL5_00019 Amount Added: 1.00 Units: mL

Report Date: 07-Mar-2025 18:45:44 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\25MAR06CAL-05.d

Injection Date: 06-Mar-2025 20:07:59 Instrument ID: 30570

Lims ID: ICISAV CAL 5

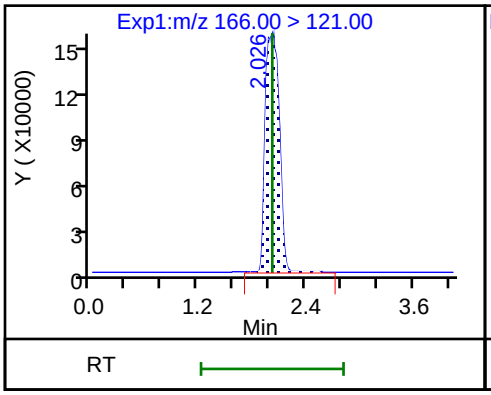
Client ID:

Operator ID: ETUS023_USR_INS00003 ALS Bottle#: 6 Worklist Smp#: 5

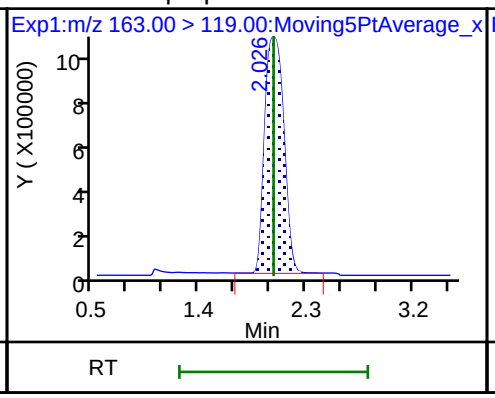
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 30570-1633-125ml Limit Group: LC - 1633 LVI- ICAL

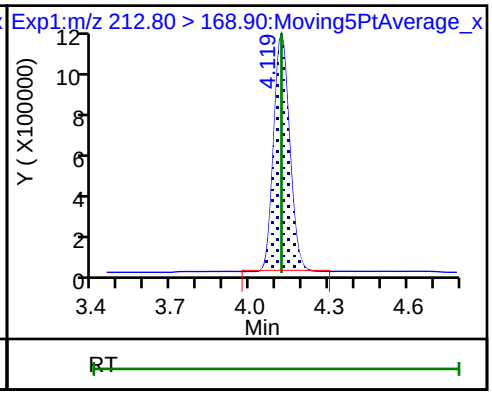
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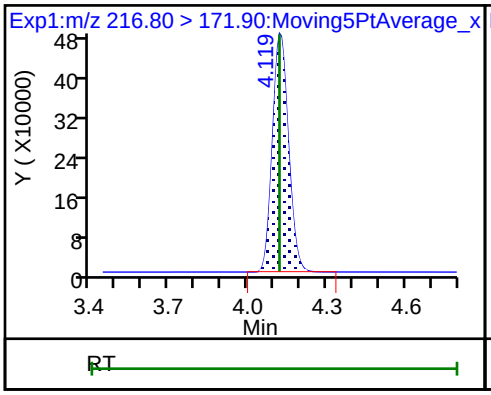
2 Perfluoropropionic acid



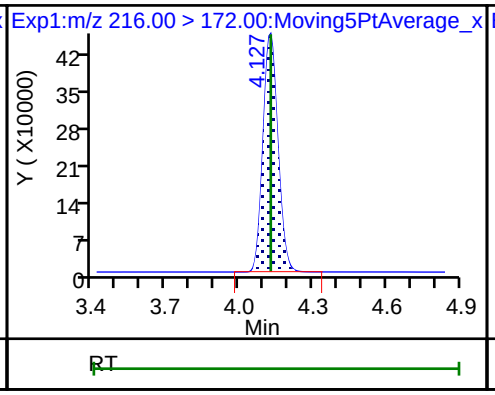
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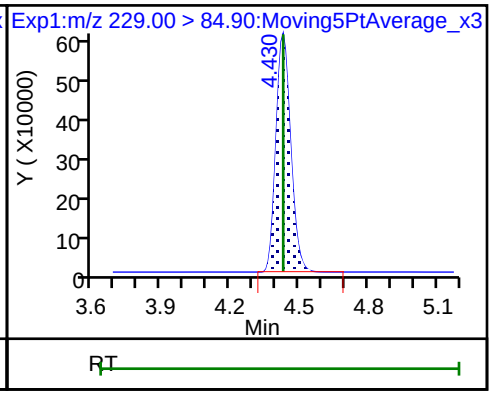
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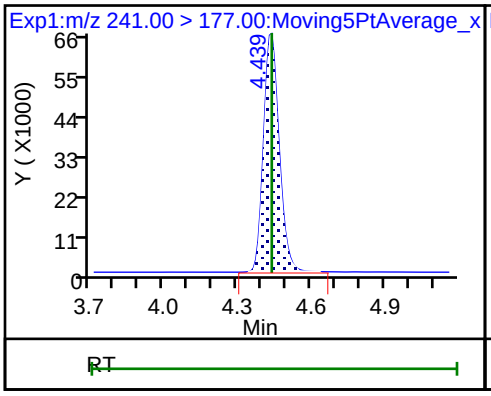
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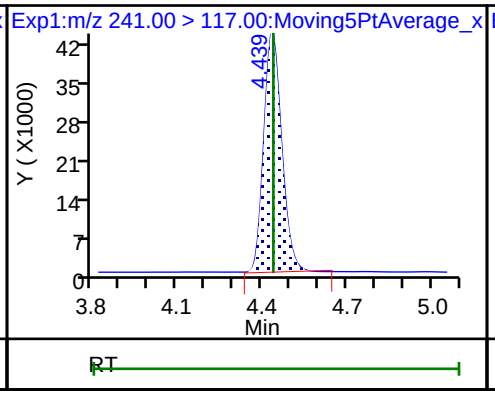
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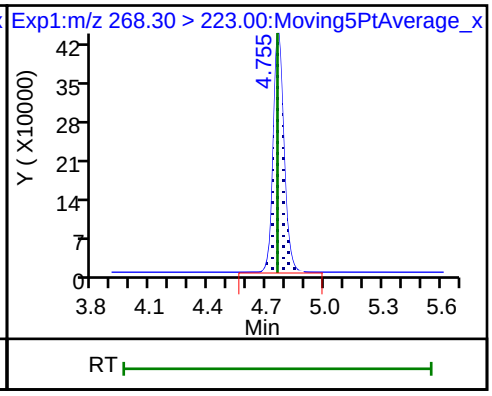
7 3:3 FTCA



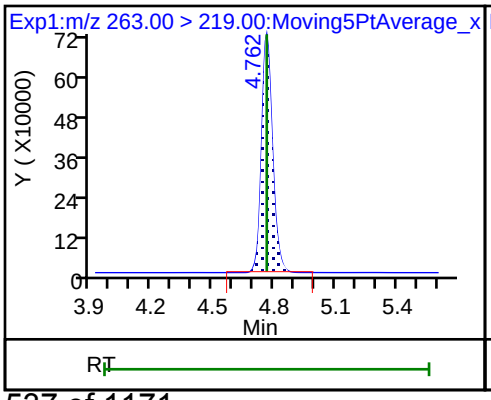
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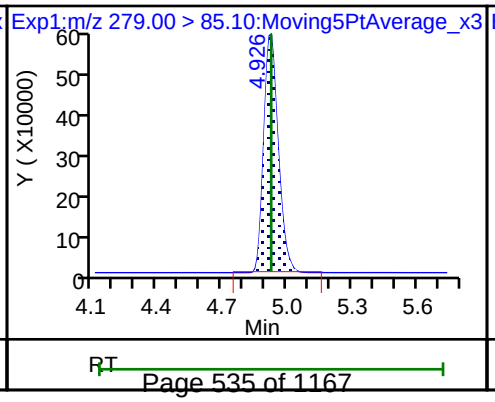
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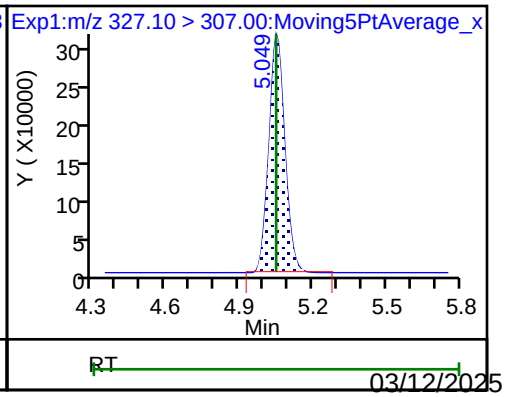
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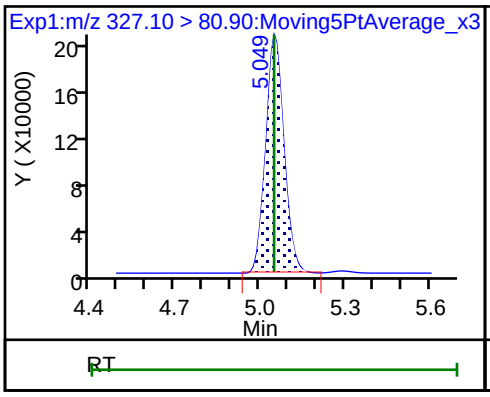
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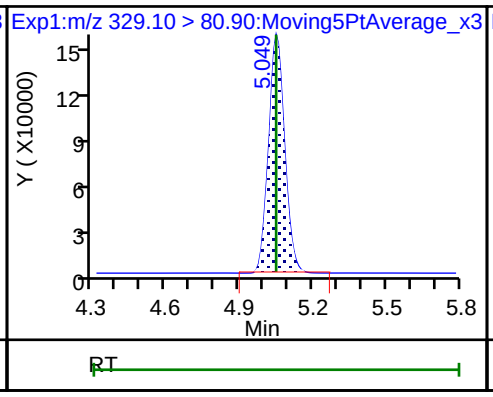
11 4:2FTS



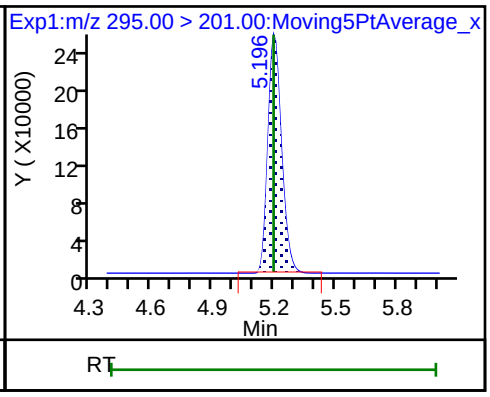
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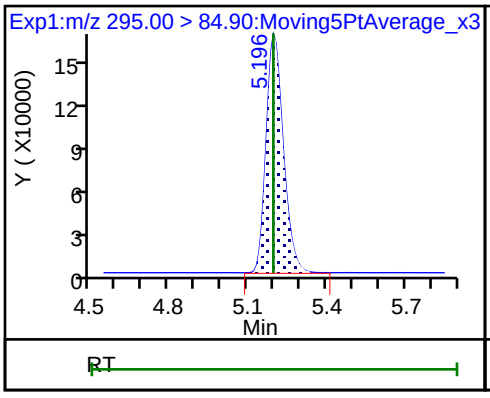
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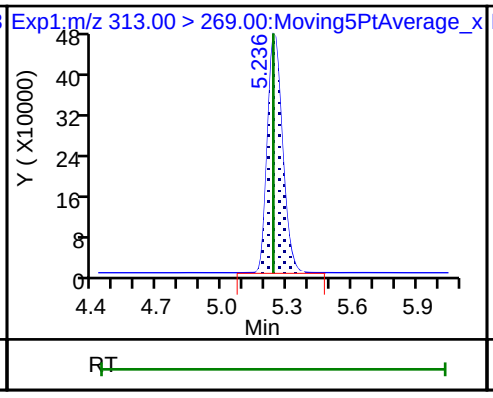
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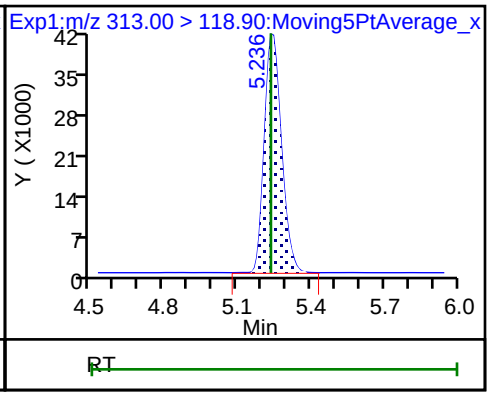
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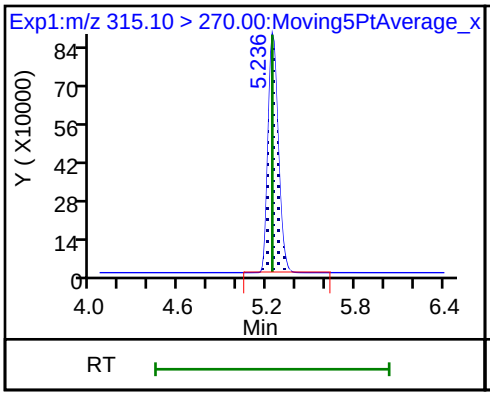
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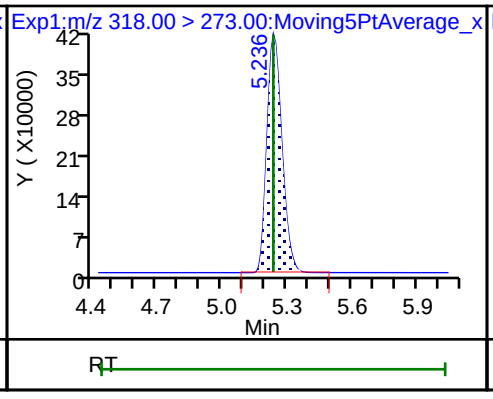
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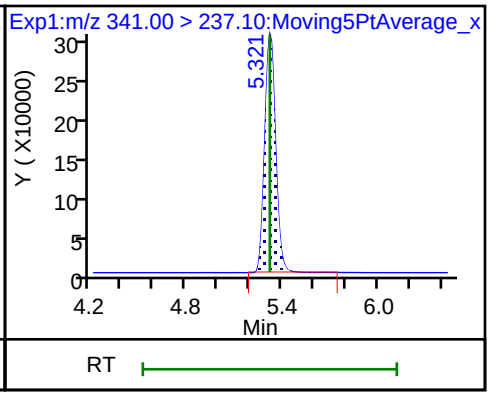
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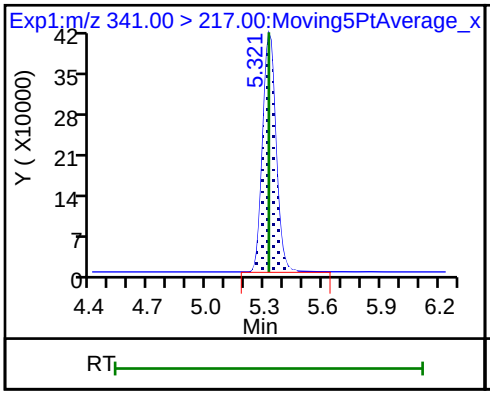
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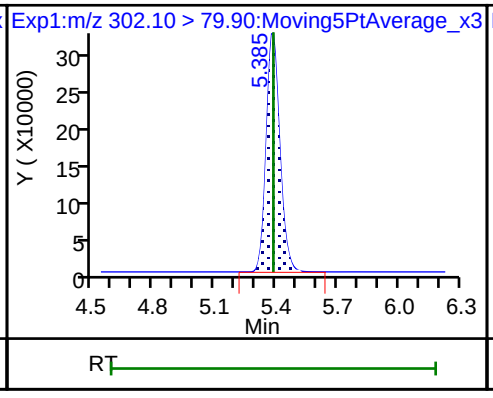
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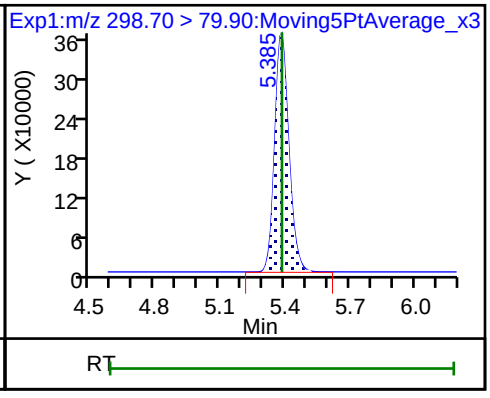
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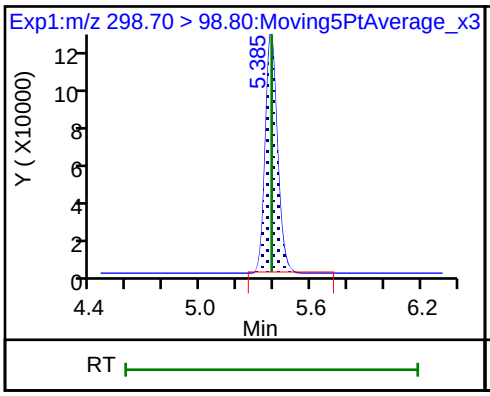
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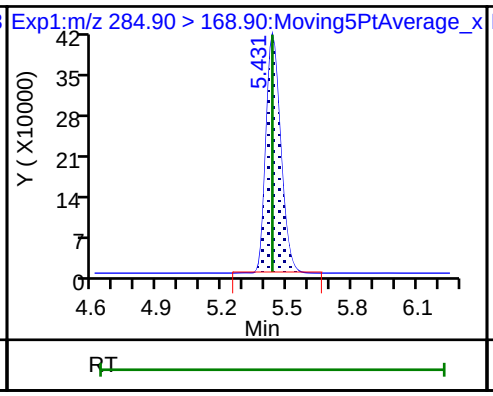
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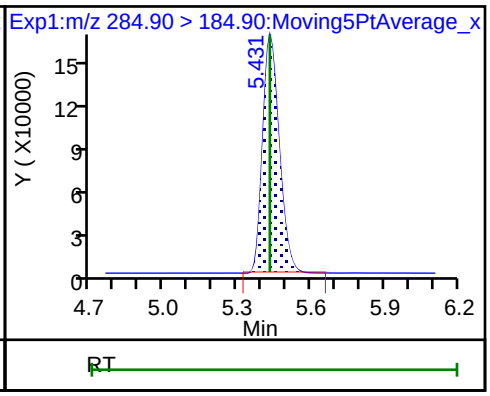
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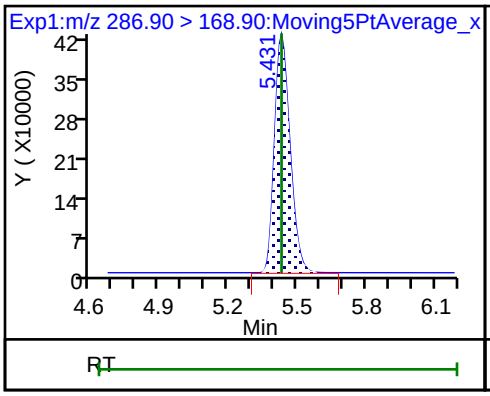
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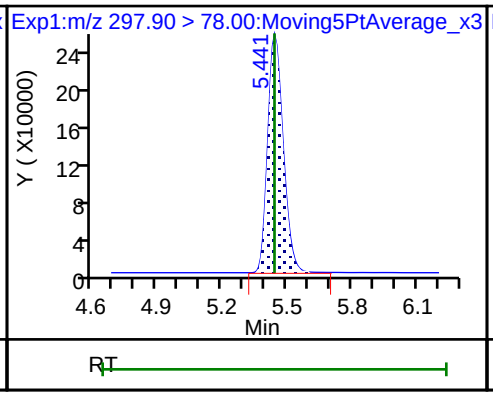
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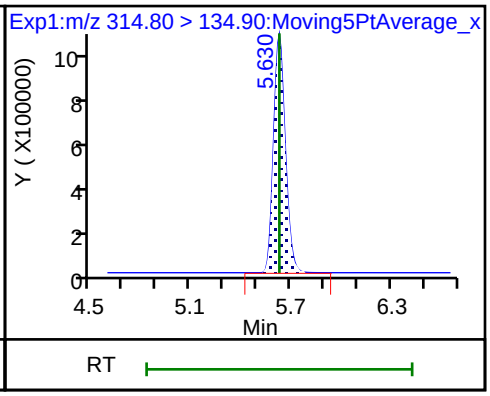
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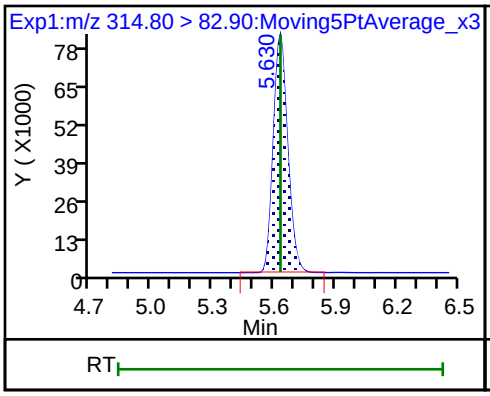
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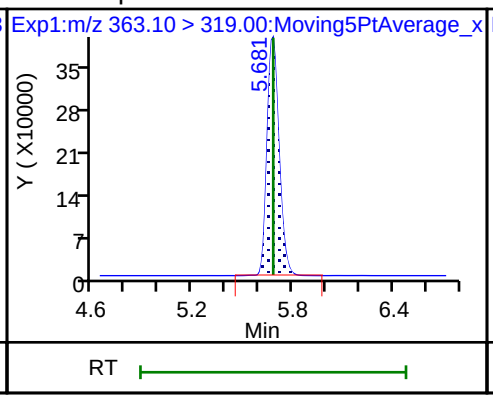
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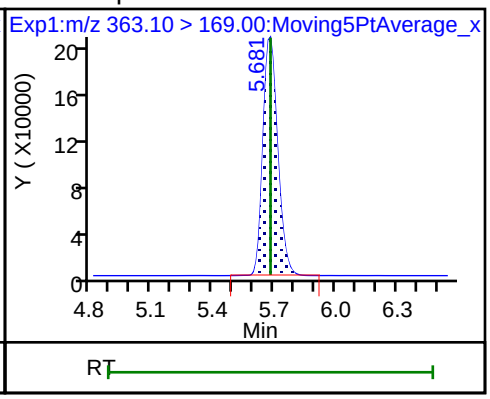
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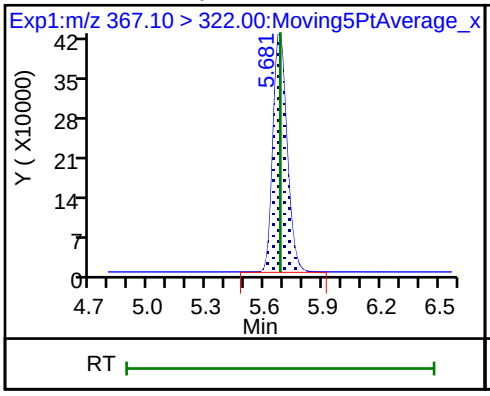
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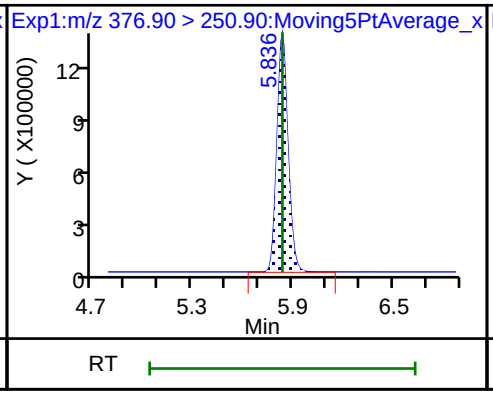
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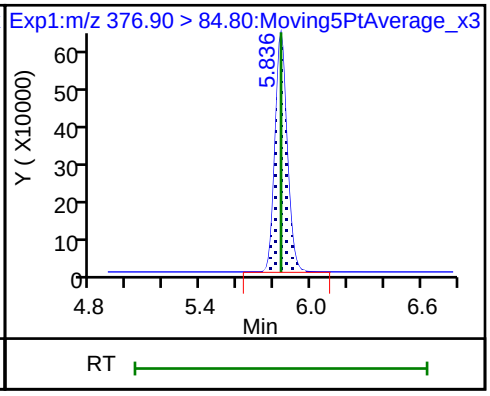
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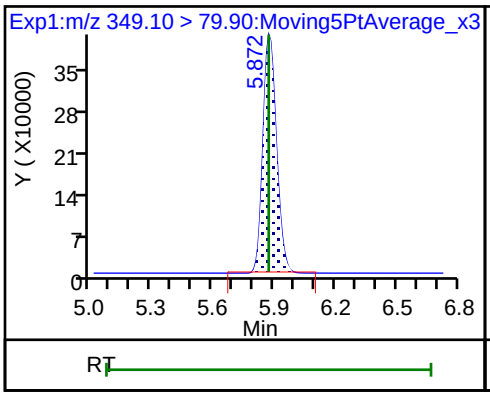
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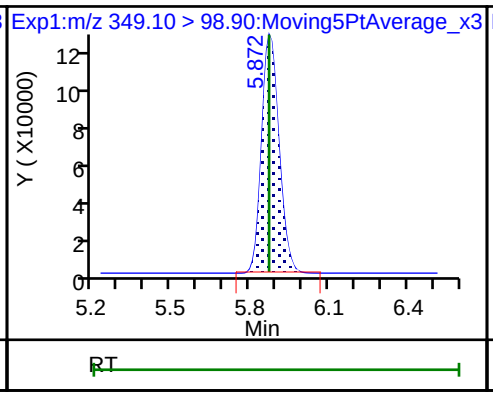
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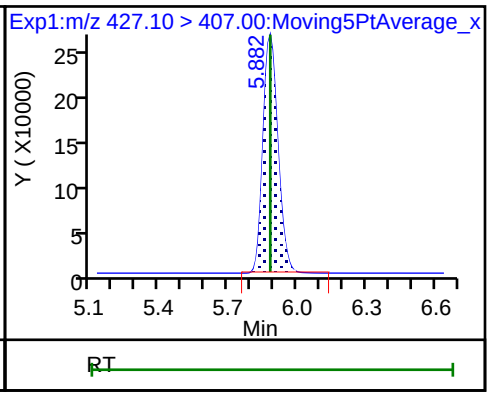
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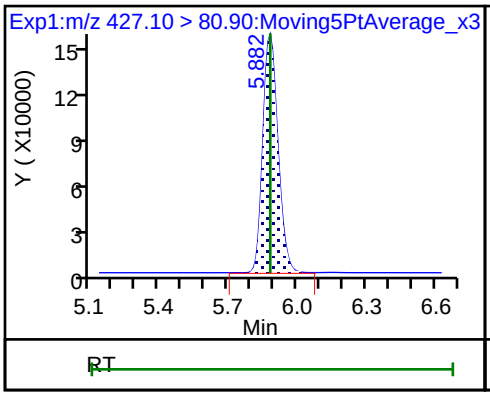
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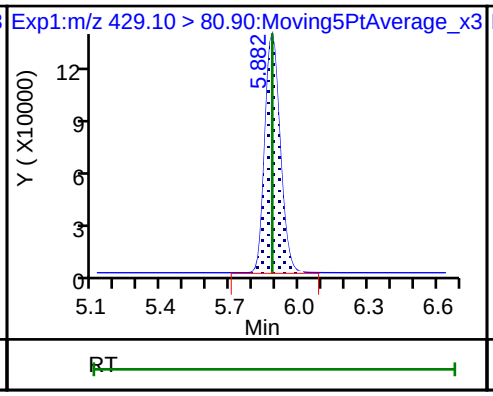
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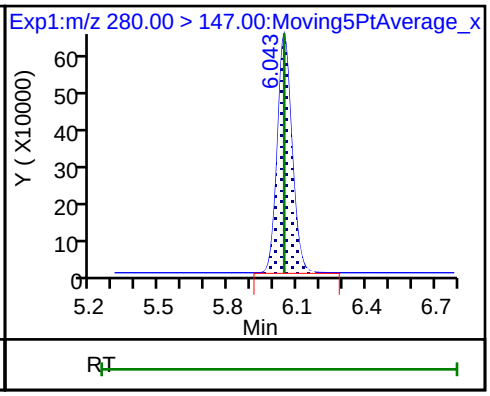
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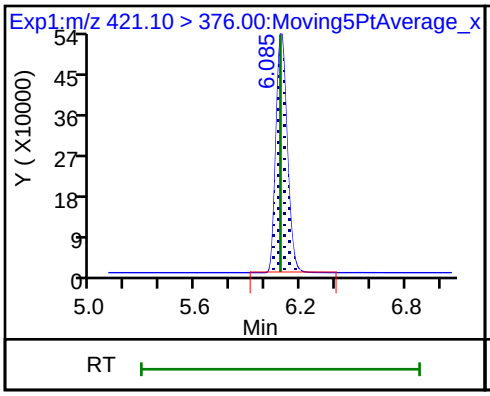
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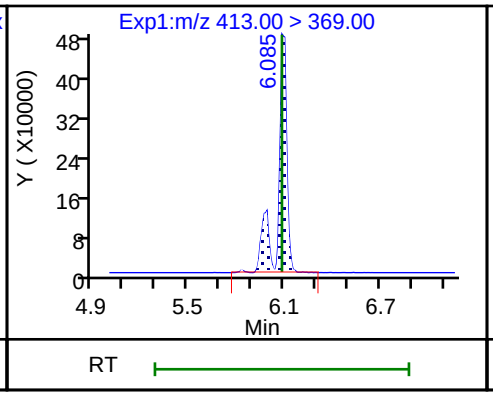
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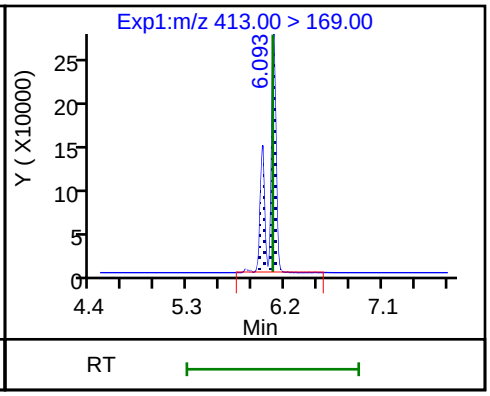
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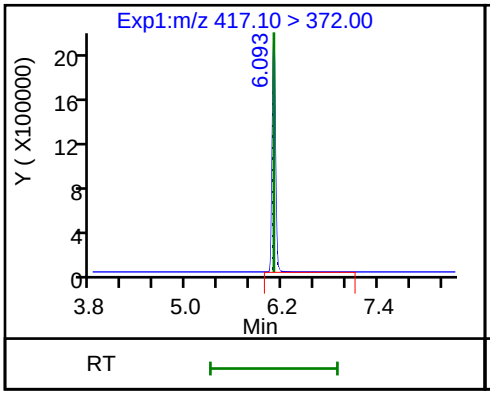
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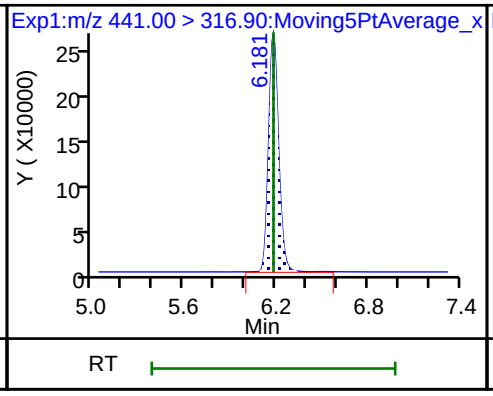
36 PFOA



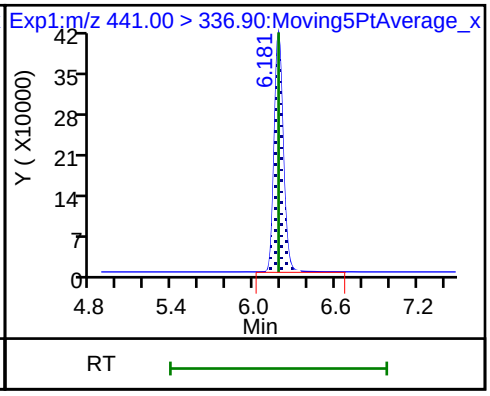
* 35 13C4 PFOA



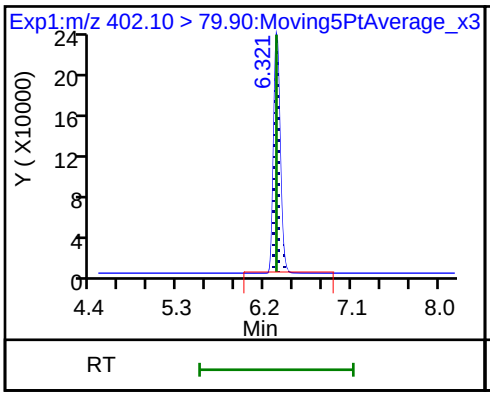
37 7:3 FTCA



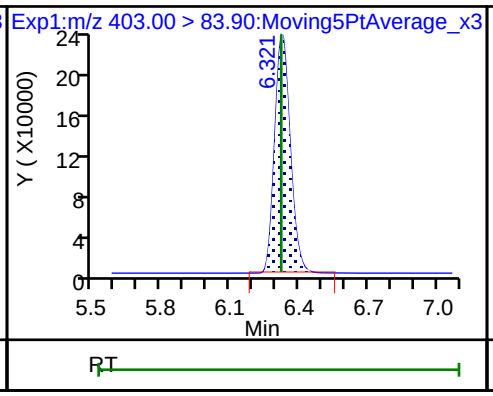
37 7:3 FTCA



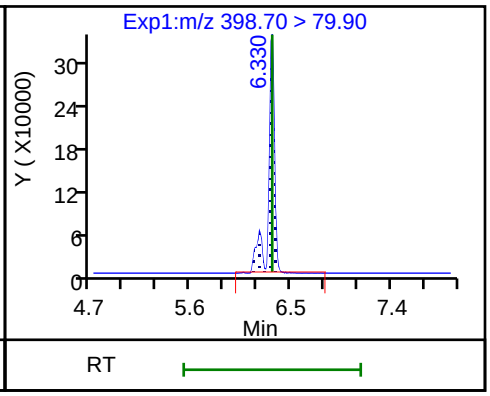
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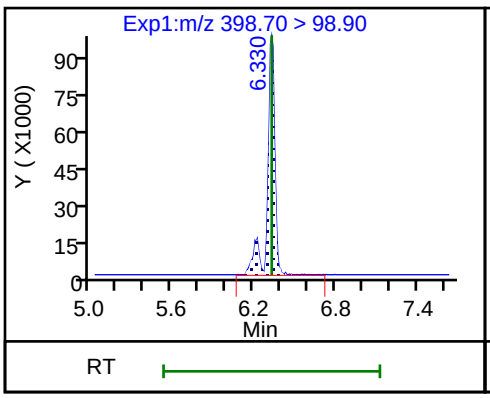
* 38 18O2 PFHxS



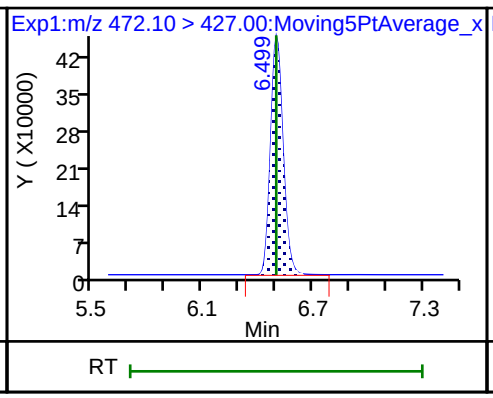
40 PFHxS



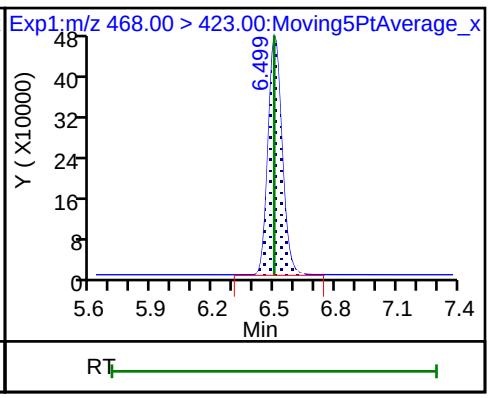
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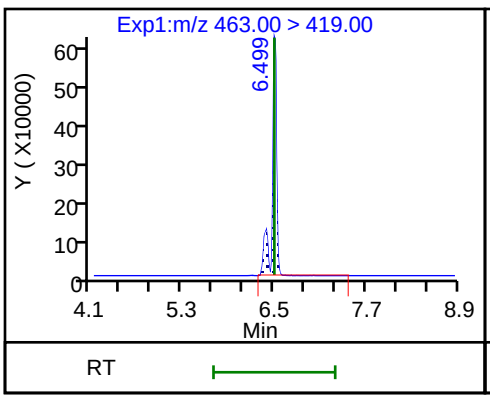
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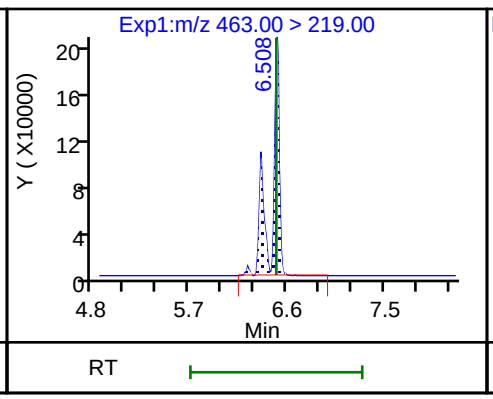
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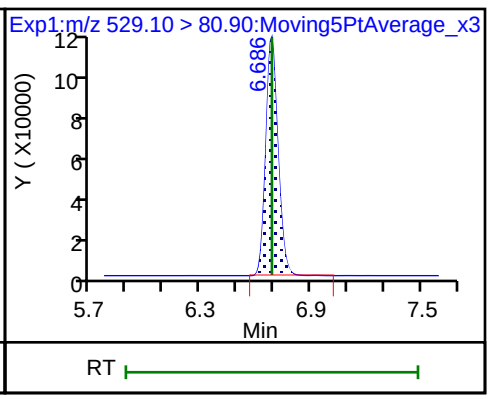
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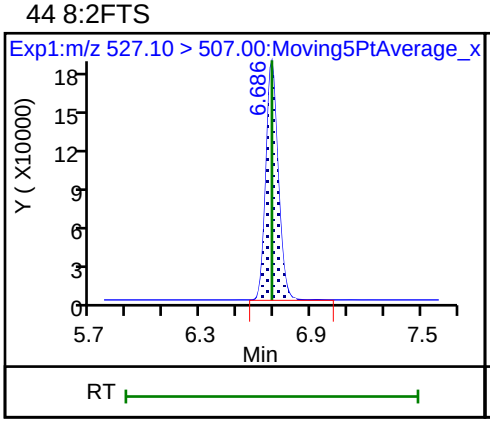
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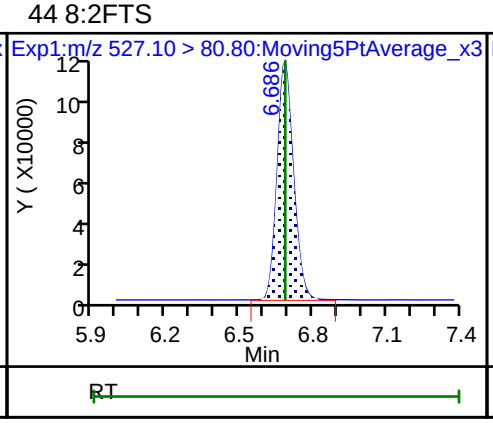
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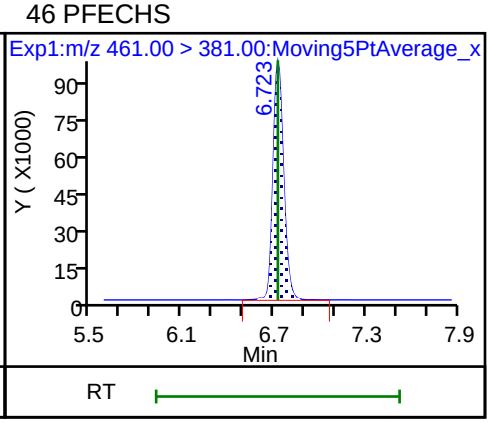
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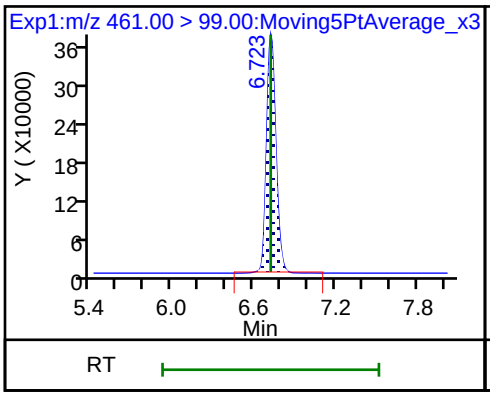
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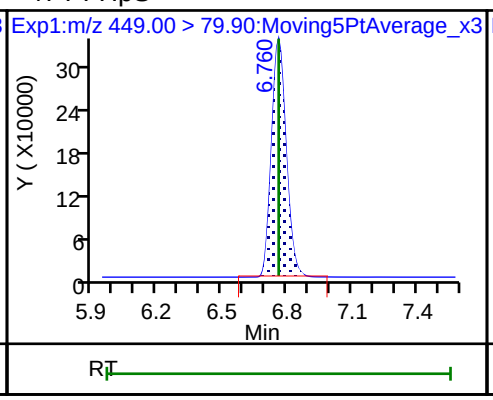
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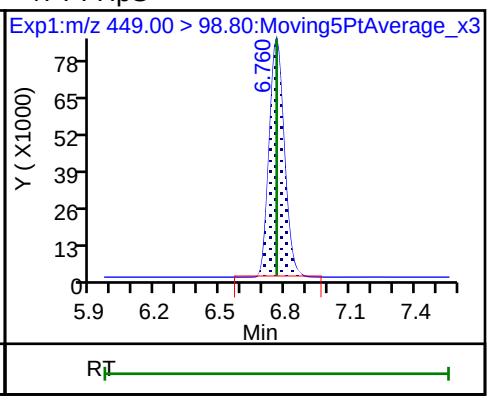
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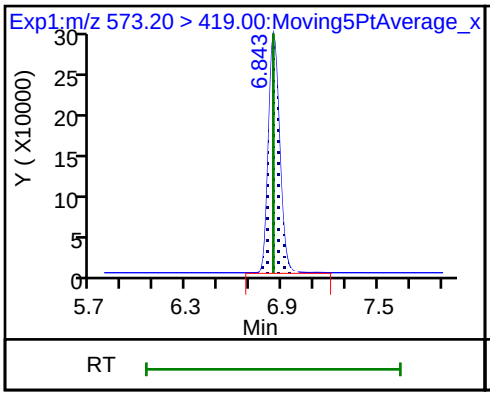
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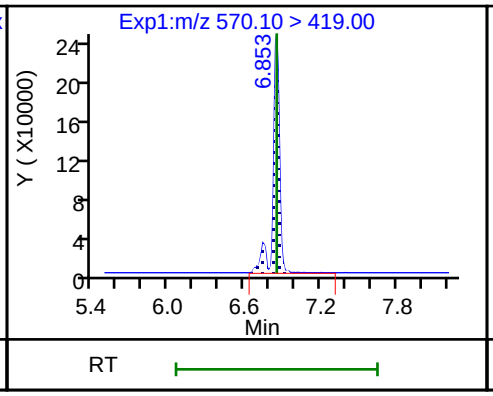
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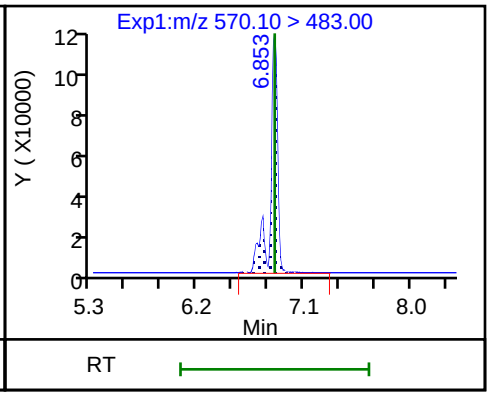
D 48 d3-NMeFOSAA



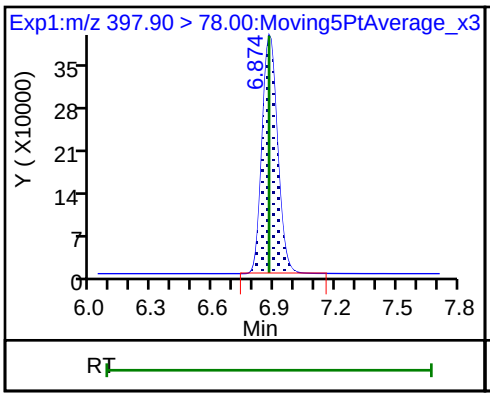
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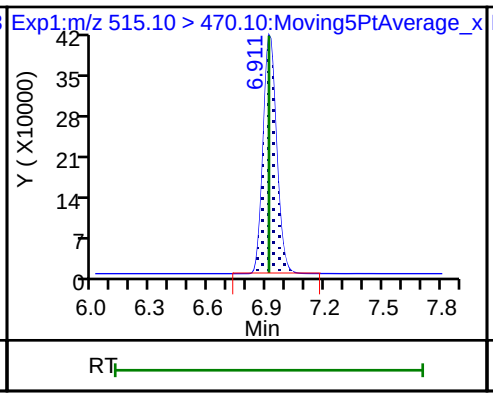
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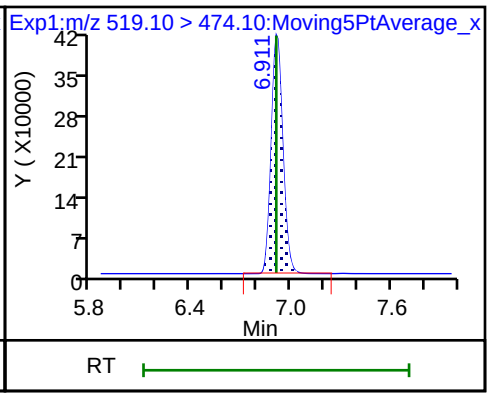
53 FHxSA



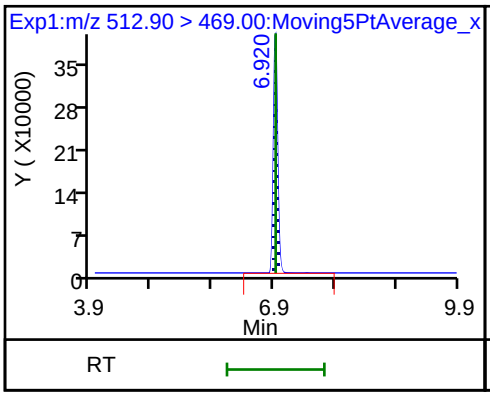
* 50 13C2 PFDA



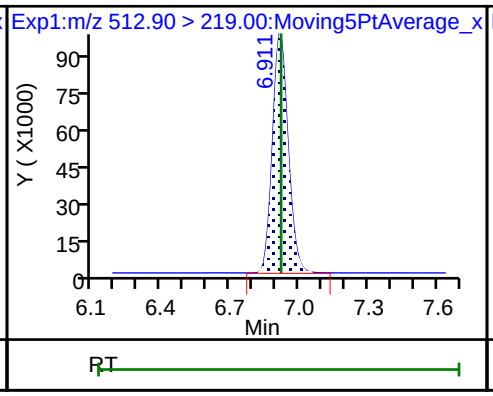
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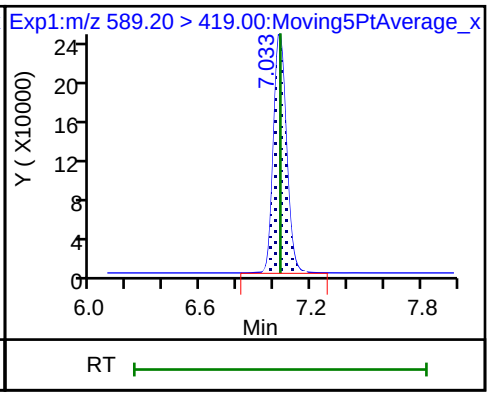
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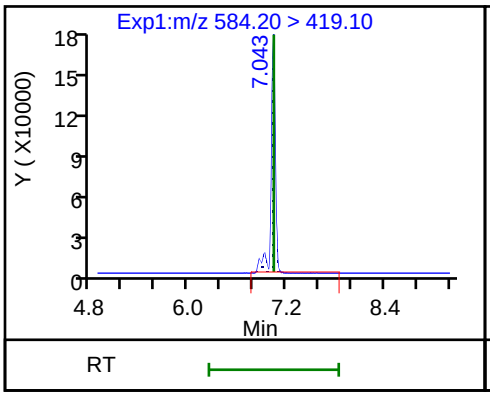
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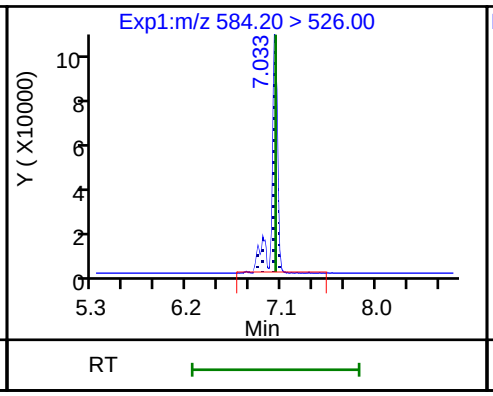
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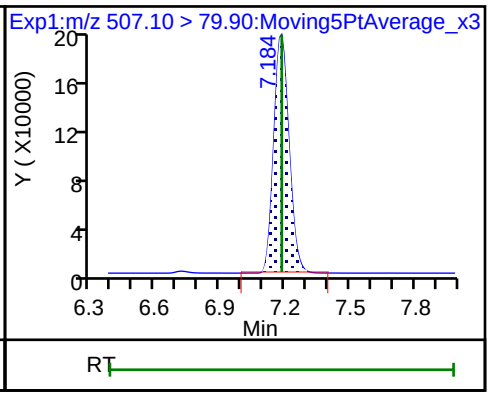
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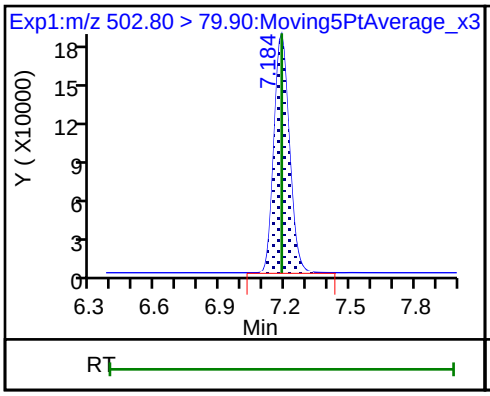
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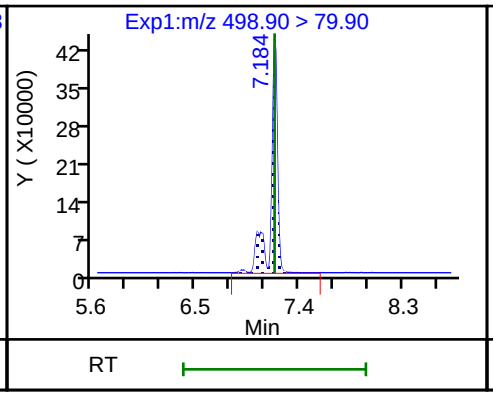
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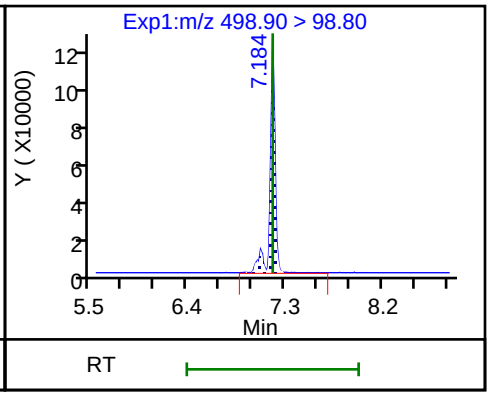
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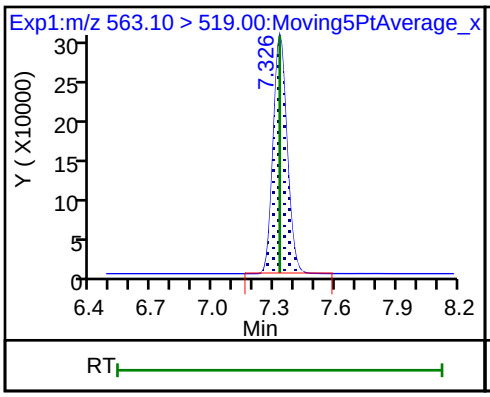
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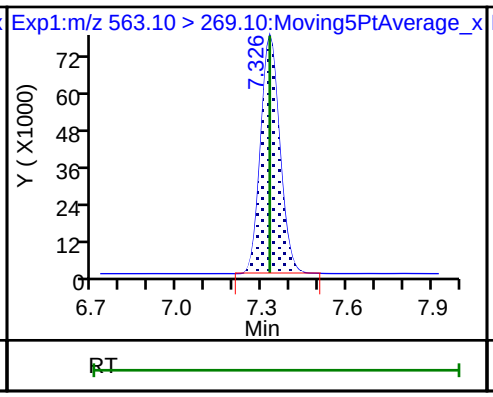
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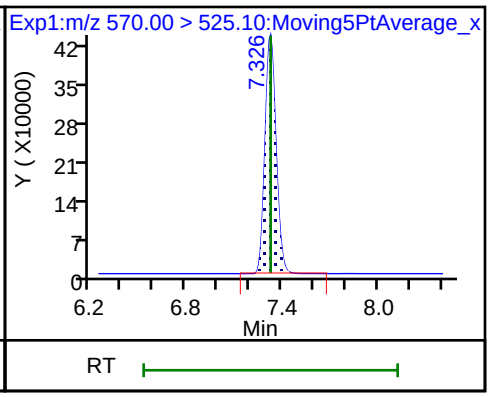
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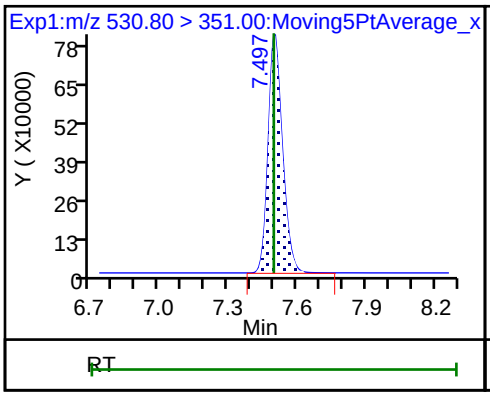
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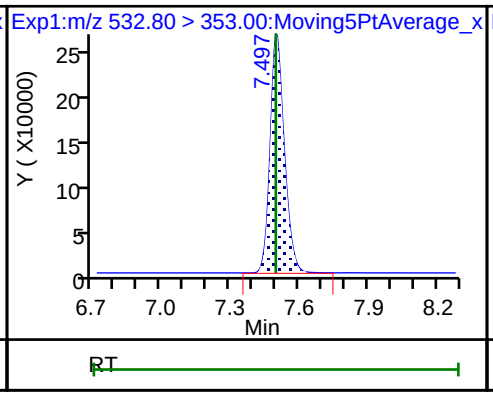
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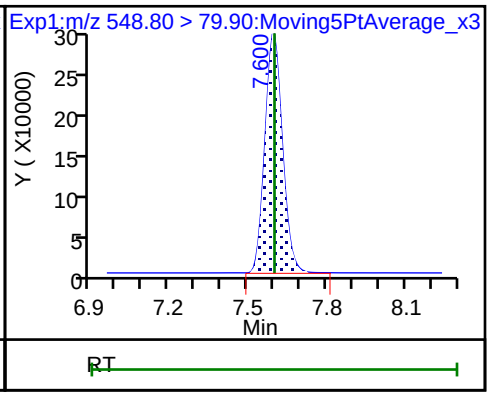
61 9ClFOS



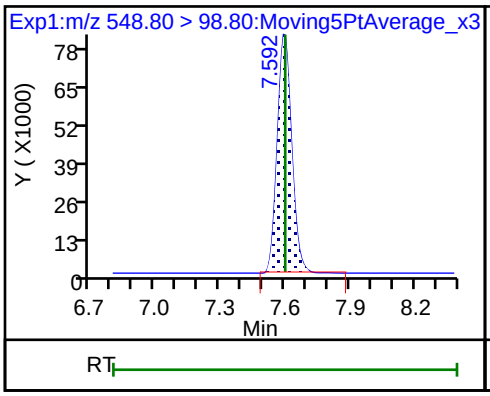
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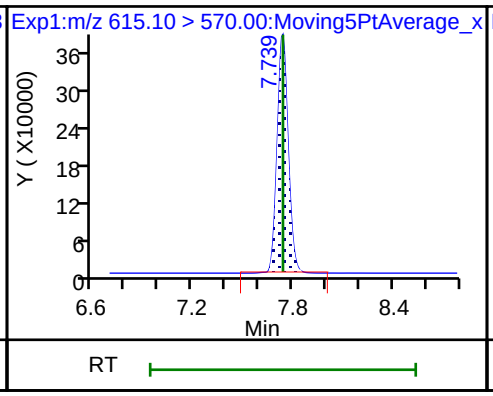
62 PFNS



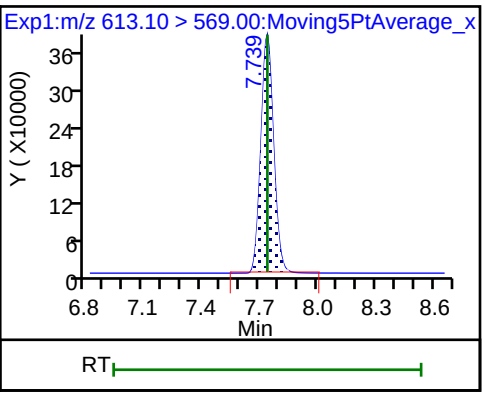
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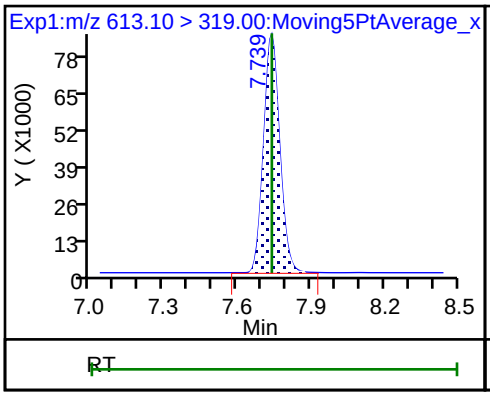
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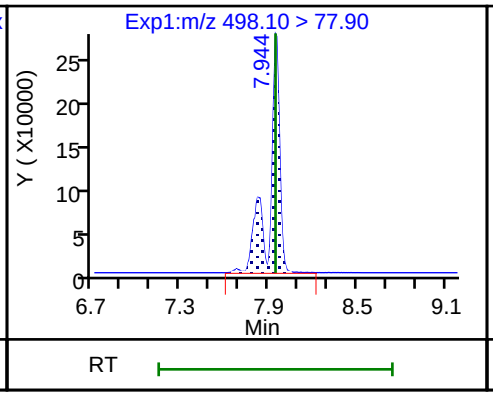
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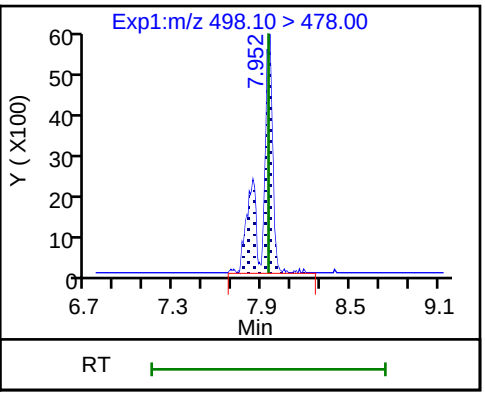
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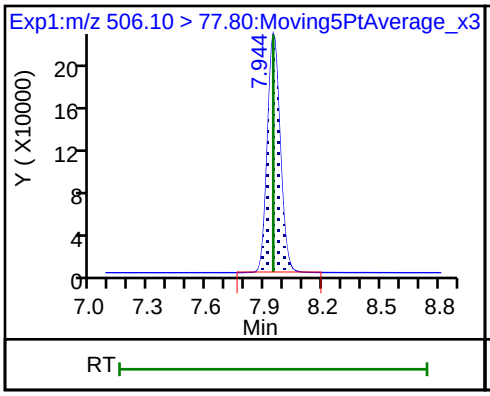
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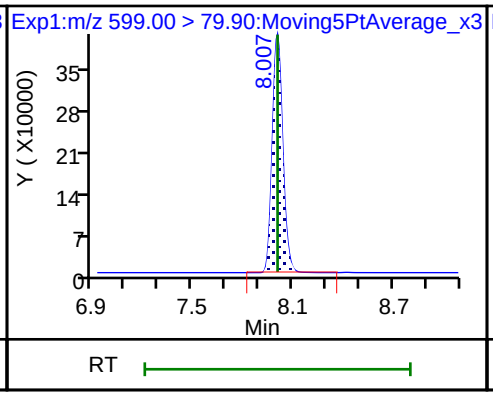
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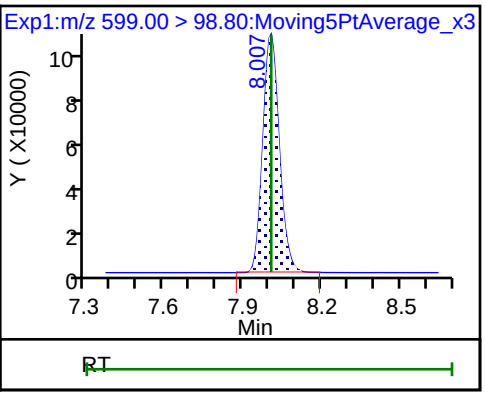
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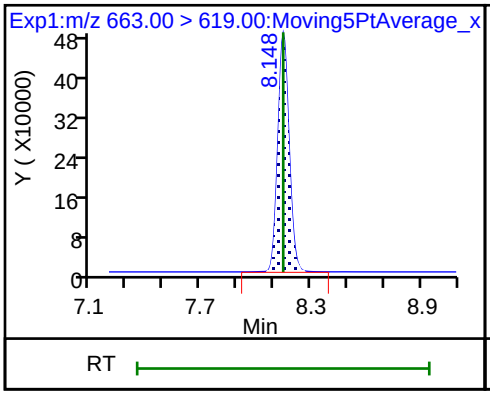
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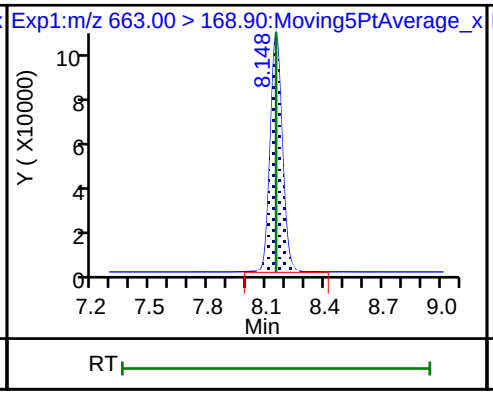
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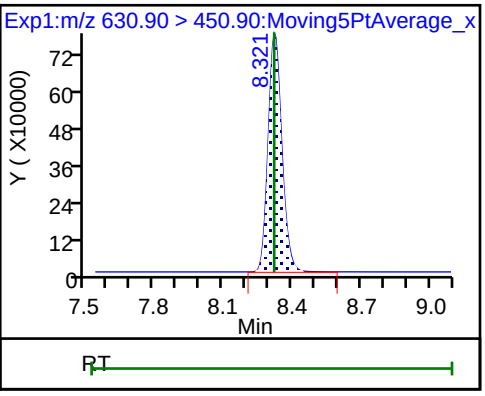
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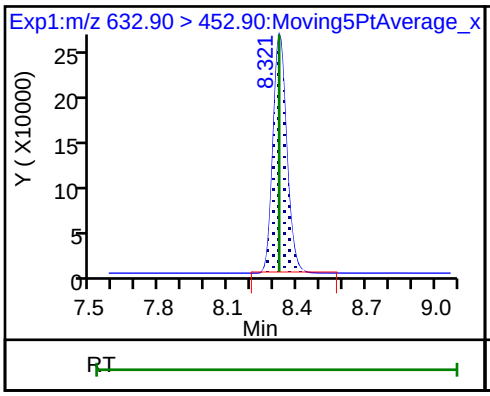
67 PFTrDA



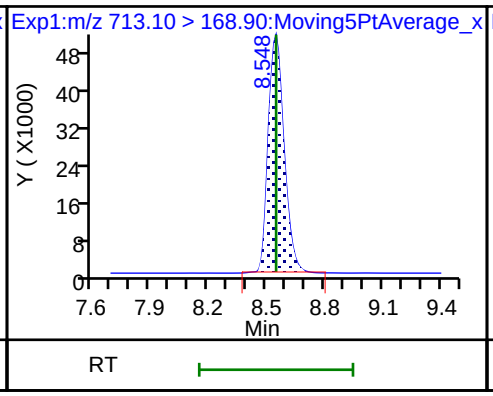
68 11ClFOS



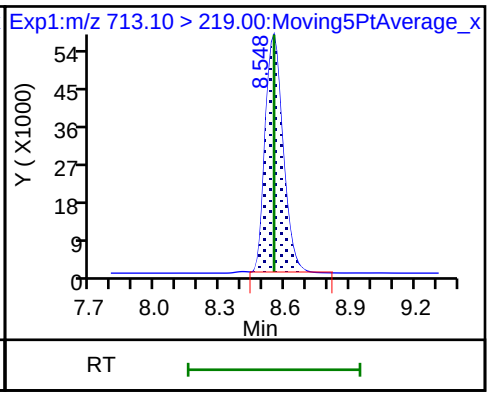
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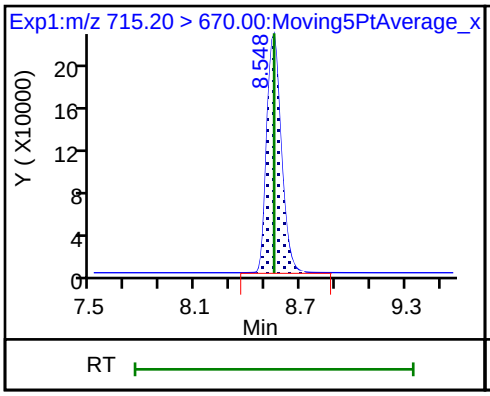
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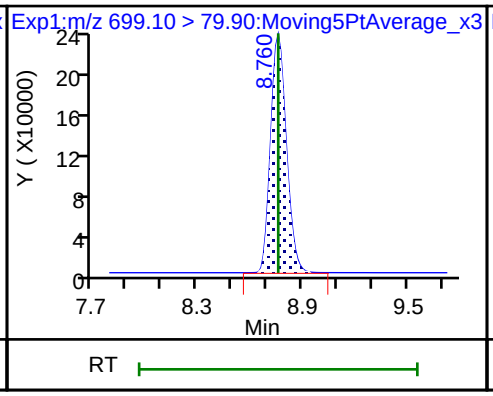
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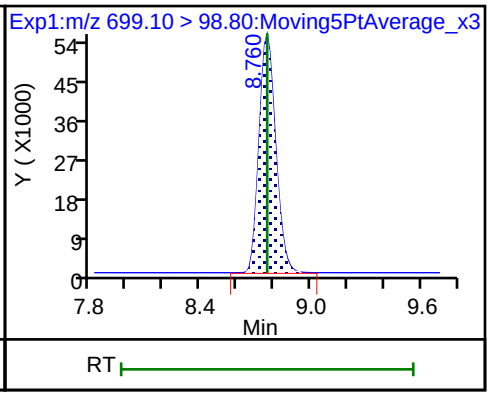
D 69 13C2 PFTeDA



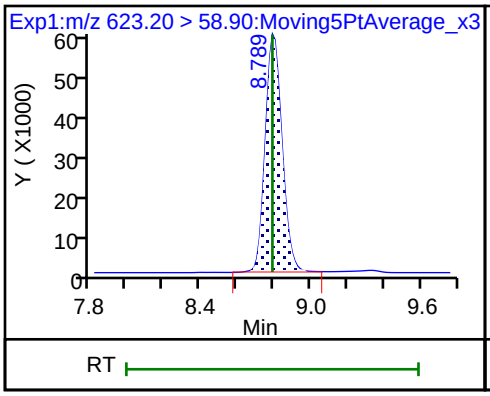
71 PFDoS



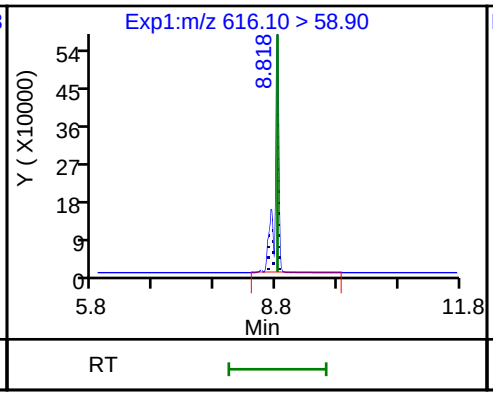
71 PFDoS



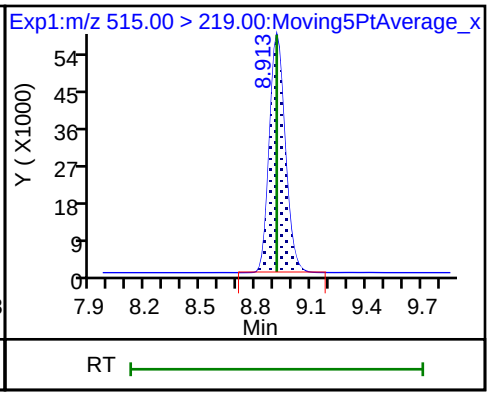
D 72 d7-N-Me-FOSE



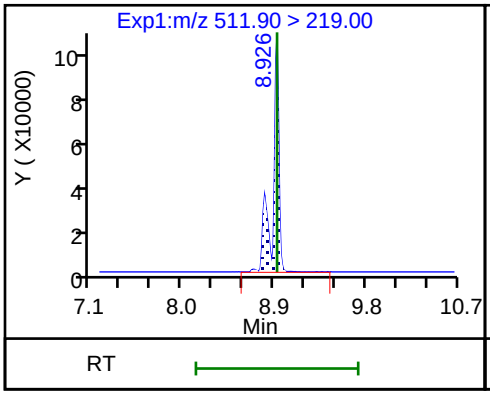
73 N-MeFOSE-M



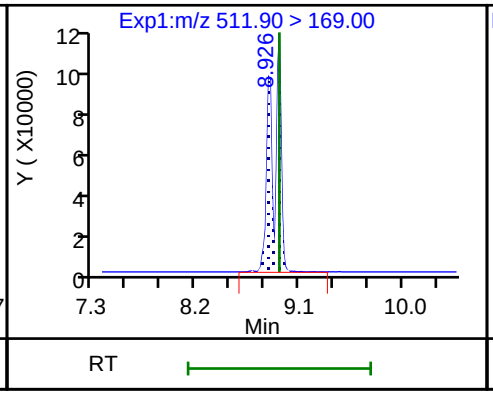
D 74 d3-NMePFOSA



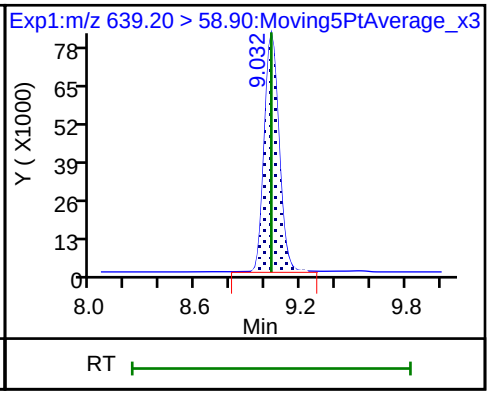
75 NMeFOSA



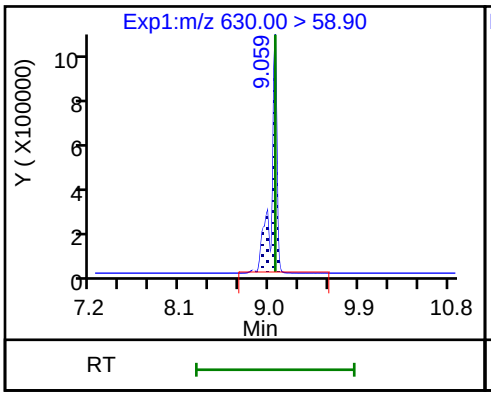
75 NMeFOSA



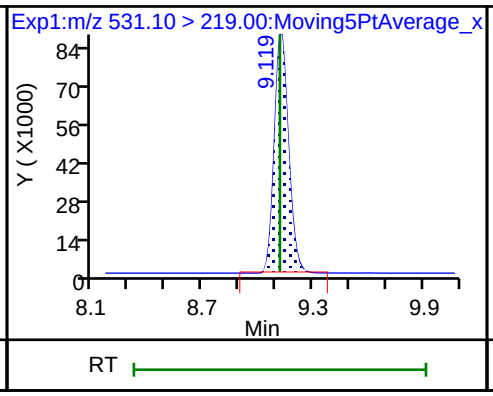
D 76 d9-N-EtFOSE



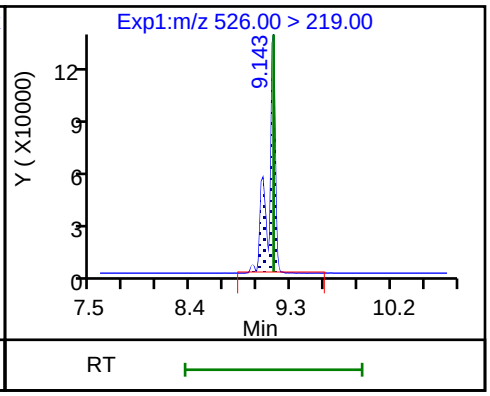
77 N-EtFOSE-M



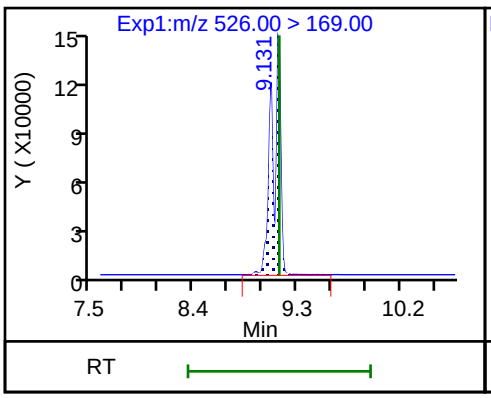
D 78 d5-NEtPFOSA



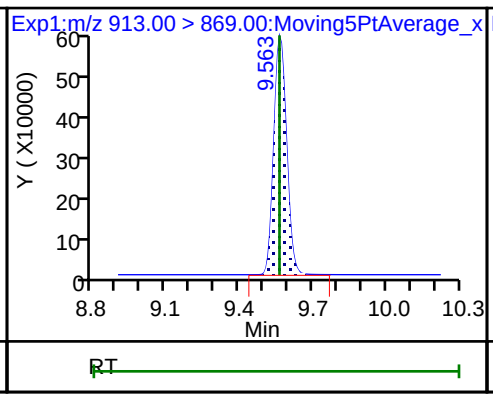
79 N-EtFOSA-M



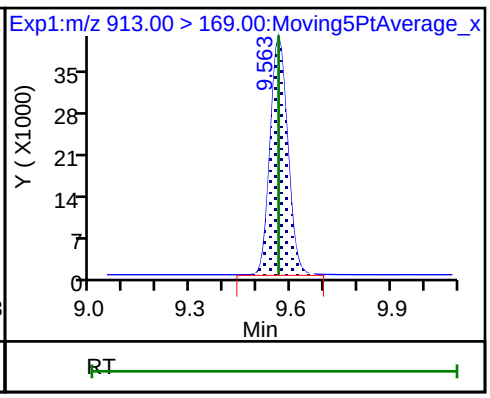
79 N-EtFOSA-M



80 Perfluorooctadecanoic acid



80 Perfluorooctadecanoic acid



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\25MAR06CAL-06.d
Lims ID: IC CAL 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 06-Mar-2025 20:21:30 ALS Bottle#: 7 Worklist Smp#: 6
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: CAL 6
Misc. Info.: Plate: 1 Rack: 1
Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570
Sublist: chrom-30570-1633-125ml*sub2

Method: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\30570-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 07-Mar-2025 18:45:54 Calib Date: 06-Mar-2025 20:48:33
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\25MAR06CAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1645

First Level Reviewer: RPU6 Date: 06-Mar-2025 21:23:32
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C3PFPrA										
166.00 > 121.00	2.009	2.026	-0.017	0.486	1538598	2.06		103	392	
2 Perfluoropropionic acid										
163.00 > 119.00	2.017	2.026	-0.009	1.004	19305526	23.3		93.0	328	
5 PFBA										
212.80 > 168.90	4.122	4.119	0.003	0.998	8042538	9.48		94.8	9607	
D 3 13C4-PFBA										
216.80 > 171.90	4.129	4.119	0.010	1.000	1808060	2.03		102	54044	
* 4 13C3PFBA										
216.00 > 172.00	4.129	4.127	0.002		1656561	2.00			2263	
6 PFMPA										
229.00 > 84.90	4.434	4.430	0.004	0.931	4369345	4.62		92.4	122704	
7 3:3 FTCA										
241.00 > 177.00	4.434	4.439	-0.005	0.931	459006	9.36	Target=1.52	93.6	20558	
241.00 > 117.00	4.434	4.439	-0.005	0.931	311223		1.47(0.76-2.29)	93.6	14045	
D 8 13C5 PFPeA										
268.30 > 223.00	4.760	4.755	0.005	0.908	1422173	2.08		104	91787	
9 PFPA										
263.00 > 219.00	4.760	4.762	-0.002	1.000	4211043	4.86		97.1	136228	
10 PFMBA										
279.00 > 85.10	4.924	4.926	-0.002	1.034	4884763	4.87		97.4	263653	
11 4:2FTS										
327.10 > 307.00	5.056	5.049	0.007	1.000	2180813	8.79	Target=1.60	94.1	159568	
327.10 > 80.90	5.056	5.049	0.007	1.000	1354602		1.61(0.80-2.40)	94.1	37073	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.056	5.049	0.007	0.799	641771	4.62		98.5	35309	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.194	5.196	-0.002	0.990	1860757	4.37	Target=1.56	87.4	99538	
295.00 > 84.90	5.194	5.196	-0.002	0.990	1255217		1.48(0.78-2.33)	87.4	89945	
17 PFHxA										
313.00 > 269.00	5.244	5.236	0.008	1.000	3581599	4.46	Target=10.95	89.2	123521	
313.00 > 118.90	5.244	5.236	0.008	1.000	357415		10.02(5.48-16.43)	89.2	24869	
* 16 13C2 PFHxA										
315.10 > 270.00	5.244	5.236	0.008		3419435	5.00			140623	
D 15 13C5 PFHxA										
318.00 > 273.00	5.244	5.236	0.008	1.000	1957980	2.13		106	100936	
18 5:3 FTCA										
341.00 > 237.10	5.319	5.321	-0.002	1.014	2447125	23.0	Target=0.72	91.9	51075	
341.00 > 217.00	5.319	5.321	-0.002	1.014	3252743		0.75(0.36-1.08)	91.9	74970	
D 20 13C3 PFBS										
302.10 > 79.90	5.376	5.385	-0.009	0.849	1286153	1.89		102	93721	
19 PFBS										
298.70 > 79.90	5.385	5.385	0.0	1.002	2662555	4.30	Target=2.90	96.9	193210	
298.70 > 98.80	5.385	5.385	0.0	1.002	910100		2.93(1.45-4.35)	96.9	66531	
21 HFPO-DA										
284.90 > 168.90	5.431	5.431	0.0	1.000	3475843	3.90	Target=2.63	104	121564	
284.90 > 184.90	5.431	5.431	0.0	1.000	1337359		2.60(1.32-3.95)	104	70837	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.431	5.431	0.0	1.036	1645426	1.97		98.7	86987	
23 FBSA										
297.90 > 78.00	5.441	5.441	0.0	1.012	2021692	4.86		97.3	65627	
26 PFEESA										
314.80 > 134.90	5.630	5.630	0.0	1.074	8126120	4.15	Target=12.49	93.1	416234	
314.80 > 82.90	5.630	5.630	0.0	1.074	641818		12.66(6.24-18.74)	93.1	43980	
28 PFHpA										
363.10 > 319.00	5.681	5.681	0.0	1.000	3167171	4.85	Target=1.89	97.0	126984	
363.10 > 169.00	5.681	5.681	0.0	1.000	1628103		1.95(0.95-2.84)	97.0	82168	
D 27 13C4 PFHpA										
367.10 > 322.00	5.681	5.681	0.0	1.083	1789460	2.05		103	89672	
29 ADONA										
376.90 > 250.90	5.836	5.836	0.0	1.075	9583895	4.74	Target=2.13	100	520534	
376.90 > 84.80	5.836	5.836	0.0	1.075	4346549		2.20(1.07-3.20)	100	234344	
30 PFPeS										
349.10 > 79.90	5.882	5.872	0.010	0.929	2980736	4.69	Target=3.41	99.7	212275	
349.10 > 98.90	5.872	5.872	0.0	0.928	803372		3.71(1.70-5.11)	99.7	56330	
31 6:2FTS										
427.10 > 407.00	5.882	5.882	0.0	1.000	1722377	9.09	Target=1.64	95.9	123622	
427.10 > 80.90	5.882	5.882	0.0	1.000	1055506		1.63(0.82-2.45)	95.9	76084	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.882	5.882	0.0	0.929	510779	4.40		92.4	36856	
33 BTS										
280.00 > 147.00	6.043	6.043	0.0	0.955	4970627	5.05		103	285466	
D 34 13C8 PFOA										
421.10 > 376.00	6.094	6.085	0.009	1.000	1981579	2.02		101	146850	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
36 PFOA										
413.00 > 369.00	6.085	6.085	0.0	0.999	2980894	5.14	Target=1.63	103	4048	
413.00 > 169.00	6.094	6.085	0.009	1.000	1839429		1.62(0.82-2.45)	103	2386	
* 35 13C4 PFOA										
417.10 > 372.00	6.094	6.093	0.001		4952033	5.00			8851	
37 7:3 FTCA										
441.00 > 316.90	6.190	6.181	0.009	1.180	1938526	24.3	Target=0.59	97.2	70044	
441.00 > 336.90	6.190	6.181	0.009	1.180	3184861		0.61(0.29-0.88)	97.2	76120	
D 39 13C3 PFHxS										
402.10 > 79.90	6.330	6.321	0.009	1.000	1003667	1.91		101	71805	
* 38 18O2 PFHxS										
403.00 > 83.90	6.330	6.321	0.009		1025022	1.89			73409	
40 PFHxS										
398.70 > 79.90	6.330	6.330	0.0	1.000	1964632	4.12	Target=3.32	90.3	4624	
398.70 > 98.90	6.330	6.330	0.0	1.000	604612		3.25(1.66-4.98)	90.3	1912	
43 PFNA										
463.00 > 419.00	6.508	6.499	0.009	1.000	3817379	4.67	Target=2.60	93.4	2476	
463.00 > 219.00	6.508	6.499	0.009	1.000	1479212		2.58(1.30-3.91)	93.4	1563	
D 42 13C9 PFNA										
472.10 > 427.00	6.508	6.499	0.009	1.000	1859452	2.08		104	97796	
* 41 13C5 PFNA										
468.00 > 423.00	6.508	6.499	0.009		1826412	2.00			96160	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.686	6.686	0.0	1.056	466241	4.77		99.3	33851	
44 8:2FTS										
527.10 > 507.00	6.686	6.686	0.0	1.000	1358801	9.03	Target=1.64	94.2	98872	
527.10 > 80.80	6.686	6.686	0.0	1.000	823403		1.65(0.82-2.45)	94.2	59287	
46 PFECHS										
461.00 > 381.00	6.732	6.723	0.009	1.063	751359	4.52	Target=0.25	97.9	50949	
461.00 > 99.00	6.732	6.723	0.009	1.063	2840695		0.26(0.13-0.38)	97.9	145493	
47 PFHpS										
449.00 > 79.90	6.769	6.760	0.009	0.942	2616720	4.69	Target=3.90	98.4	136556	
449.00 > 98.80	6.760	6.760	0.0	0.941	682453		3.83(1.95-5.85)	98.4	47142	
D 48 d3-NMeFOSAA										
573.20 > 419.00	6.852	6.843	0.009	0.954	1320132	4.92		98.5	91872	
49 NMeFOSAA										
570.10 > 419.00	6.862	6.853	0.009	1.002	1264196	4.64	Target=1.75	92.8	4091	
570.10 > 483.00	6.852	6.853	-0.001	1.000	711892		1.78(0.87-2.62)	92.8	1025	
53 FHxSA										
397.90 > 78.00	6.892	6.874	0.018	1.089	3286086	4.90		98.0	104616	
* 50 13C2 PFDA										
515.10 > 470.10	6.919	6.911	0.008		1696150	2.00			117969	
D 51 13C6 PFDA										
519.10 > 474.10	6.919	6.911	0.008	1.000	1773523	2.05		102	123319	
52 PFDA										
512.90 > 469.00	6.919	6.920	-0.001	1.000	2997348	4.64	Target=4.00	92.8	212433	
512.90 > 219.00	6.919	6.920	-0.001	1.000	749385		4.00(2.00-6.00)	92.8	52218	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.031	7.033	-0.002	0.979	1122780	4.96		99.1	76177	
55 NEtFOSAA										
584.20 > 419.10	7.041	7.043	-0.002	1.001	913869	4.80	Target=1.50	96.1	3323	
584.20 > 526.00	7.031	7.043	-0.012	1.000	611669		1.49(0.75-2.25)	96.1	2015	
D 56 13C8 PFOS										
507.10 > 79.90	7.183	7.184	-0.001	1.000	821469	1.96		102	8326	
* 57 13C4 PFOS										
502.80 > 79.90	7.183	7.184	-0.001		800992	1.91			54399	
58 PFOS										
498.90 > 79.90	7.193	7.184	0.009	1.001	2832494	4.52	Target=4.37	97.1	145603	
498.90 > 98.80	7.183	7.184	-0.001	1.000	629046		4.50(2.18-6.55)	97.1	1872	
60 PFUnA										
563.10 > 519.00	7.333	7.326	0.007	1.000	2300732	4.75	Target=3.87	95.1	68873	
563.10 > 269.10	7.333	7.326	0.007	1.000	607413		3.79(1.93-5.80)	95.1	31888	
D 59 13C7 PFUnA										
570.00 > 525.10	7.333	7.326	0.007	1.060	1798694	1.99		99.7	74433	
61 9ClFOS										
530.80 > 351.00	7.503	7.497	0.006	1.381	5727989	4.62	Target=2.97	98.9	331232	
532.80 > 353.00	7.503	7.497	0.006	1.381	1992607		2.87(1.48-4.45)	98.9	153637	
62 PFNS										
548.80 > 79.90	7.597	7.600	-0.003	1.058	2246454	4.66	Target=3.70	96.8	97374	
548.80 > 98.80	7.597	7.600	-0.003	1.058	596645		3.77(1.85-5.55)	96.8	42898	
D 81 13C2 PFDoA										
615.10 > 570.00	7.736	7.739	-0.003	1.118	1629794	2.10		105	88506	
63 PFDoA										
613.10 > 569.00	7.744	7.739	0.005		2970071	4.73	Target=4.68	94.5	218556	
613.10 > 319.00	7.744	7.739	0.005		637229		4.66(2.34-7.01)	94.5	46663	
64 PFOSA										
498.10 > 77.90	7.948	7.944	0.004	1.000	2124039	4.75	Target=50.02	95.0	3780	
498.10 > 478.00	7.956	7.944	0.012	1.001	45597		46.58(25.01-75.03)	95.0	140	
D 65 13C8 FOSA										
506.10 > 77.80	7.948	7.944	0.004	1.107	947448	2.11		106	41376	
66 PFDS										
599.00 > 79.90	8.011	8.007	0.004	1.115	2856185	4.71	Target=3.88	97.6	128811	
599.00 > 98.80	8.011	8.007	0.004	1.115	740858		3.86(1.94-5.82)	97.6	56161	
67 PFTrDA										
663.00 > 619.00	8.151	8.148	0.003	0.953	3414300	4.69	Target=4.52	93.9	134019	
663.00 > 168.90	8.151	8.148	0.003	0.953	723603		4.72(2.26-6.79)	93.9	42556	
68 11ClFOS										
630.90 > 450.90	8.331	8.321	0.010	1.534	5237407	4.62	Target=2.95	98.0	415389	
632.90 > 452.90	8.331	8.321	0.010	1.534	1785870		2.93(1.47-4.42)	98.0	141136	
70 PFTeDA										
713.10 > 168.90	8.554	8.548	0.006	1.000	473018	4.54	Target=0.91	90.8	27210	
713.10 > 219.00	8.554	8.548	0.006	1.000	544194		0.87(0.45-1.36)	90.8	15725	
D 69 13C2 PFTeDA										
715.20 > 670.00	8.554	8.548	0.006	1.236	1183668	2.15		107	51295	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
71 PFDoS										
699.10 > 79.90	8.766	8.760	0.006	1.220	2319136	4.81	Target=4.00	99.1	123336	
699.10 > 98.80	8.766	8.760	0.006	1.220	559761		4.14(2.00-6.00)	99.1	29669	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.795	8.789	0.006	1.224	330722	5.13		103	5170	
73 N-MeFOSE-M										
616.10 > 58.90	8.824	8.818	0.006	1.003	3882584	24.0		95.8	952027	
D 74 d3-NMePFOSA										
515.00 > 219.00	8.919	8.913	0.006	1.242	312918	2.12		106	17380	
75 NMeFOSA										
511.90 > 219.00	8.932	8.926	0.006	1.001	691156	4.76	Target=0.65	95.2	2387	
511.90 > 169.00	8.932	8.926	0.006	1.001	1041113		0.66(0.32-0.97)	95.2	3808	
D 76 d9-N-EtFOSE										
639.20 > 58.90	9.038	9.032	0.006	1.258	416337	5.14		103	9062	
77 N-EtFOSE-M										
630.00 > 58.90	9.065	9.059	0.006	1.003	6571763	24.1		96.6	838171	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.135	9.119	0.016	1.272	427977	2.11		106	19919	
79 N-EtFOSA-M										
526.00 > 219.00	9.147	9.143	0.004	1.001	903085	4.78	Target=0.82	95.6	2870	
526.00 > 169.00	9.135	9.143	-0.008	1.000	1099032		0.82(0.41-1.23)	95.6	2227	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.566	9.563	0.003	1.118	3443445	4.75	Target=13.85	95.0	86471	
913.00 > 169.00	9.566	9.563	0.003	1.118	247265		13.93(6.92-20.77)	95.0	17145	

QC Flag Legend

Processing Flags

Reagents:

1633_125_CAL6_00018 Amount Added: 1.00 Units: mL

Report Date: 07-Mar-2025 18:45:55 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\25MAR06CAL-06.d

Injection Date: 06-Mar-2025 20:21:30 Instrument ID: 30570

Lims ID: IC CAL 6

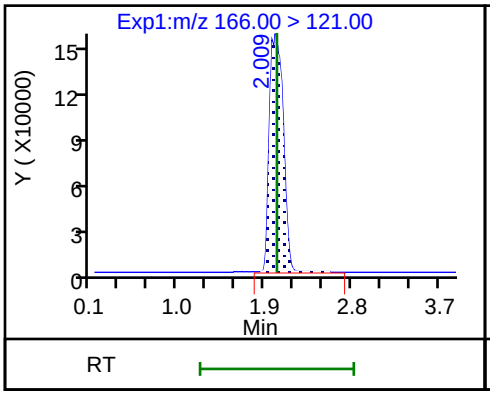
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Operator ID: ETUS023_USR_INS00003 ALS Bottle#: 7 Worklist Smp#: 6

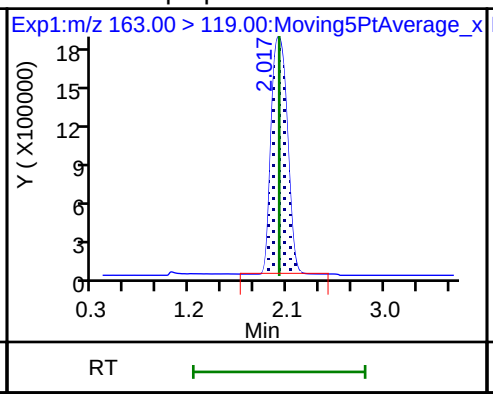
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 30570-1633-125ml Limit Group: LC - 1633 LVI- ICAL

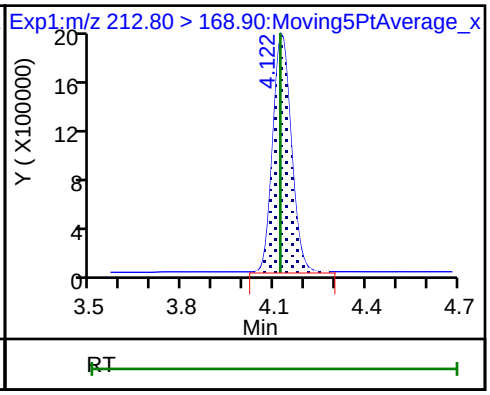
D 1 13C3PFPrA



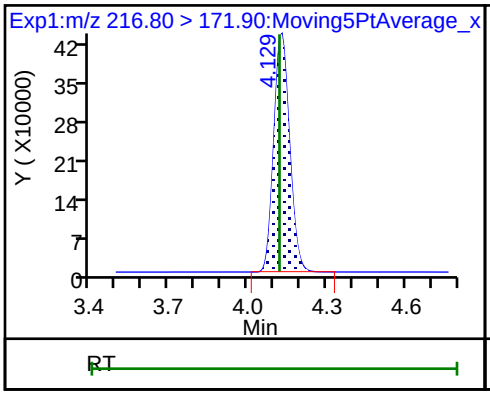
2 Perfluoropropionic acid



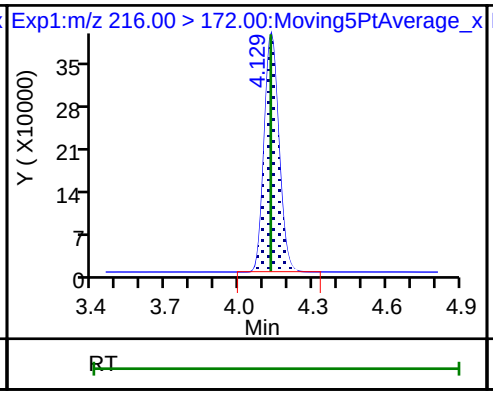
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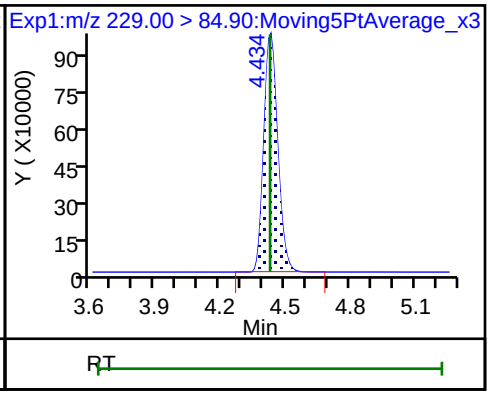
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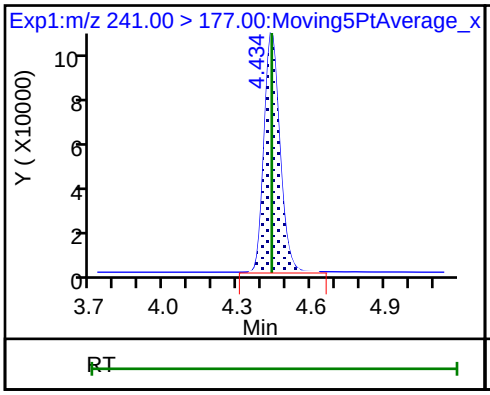
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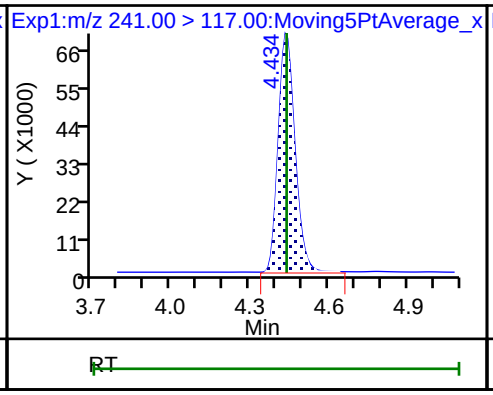
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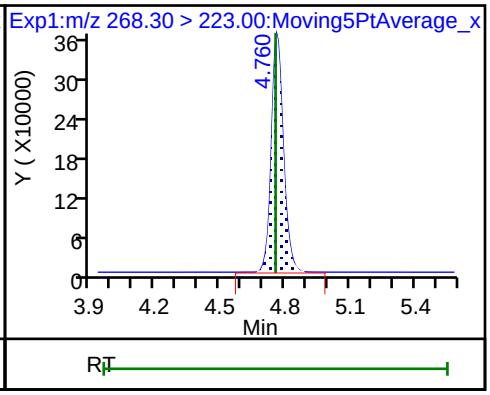
7 3:3 FTCA



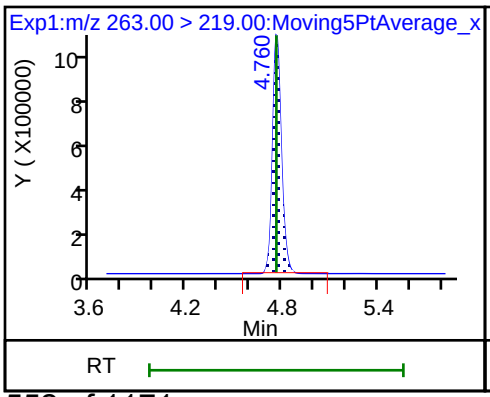
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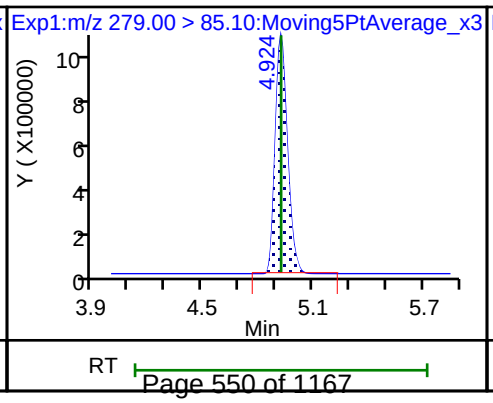
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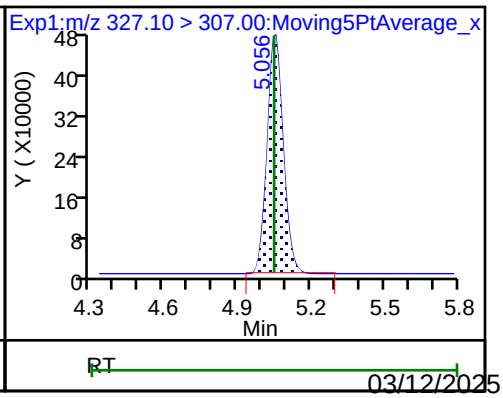
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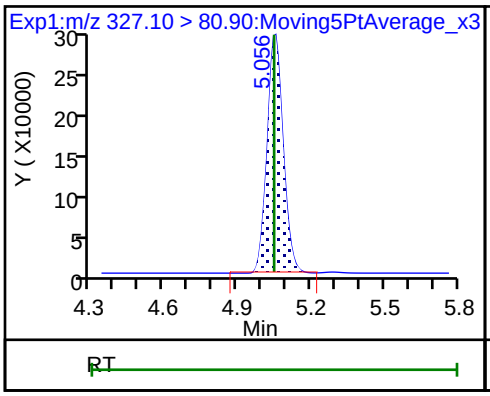
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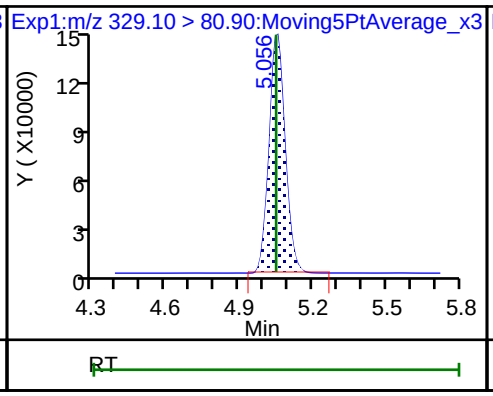
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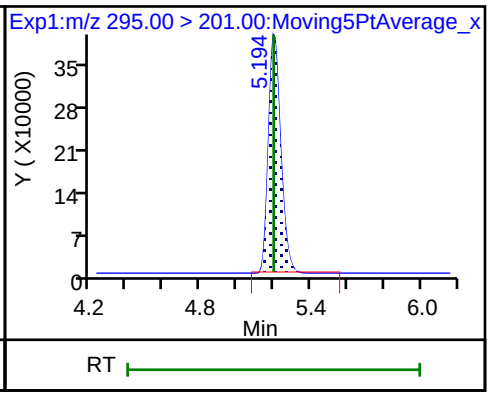
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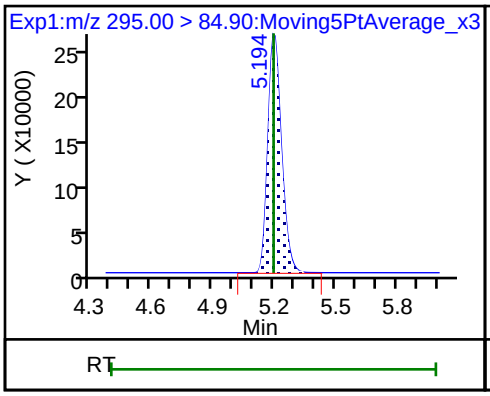
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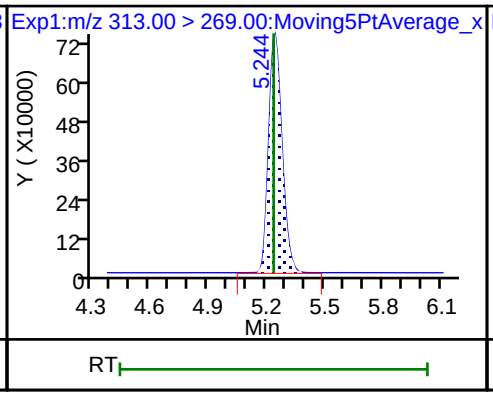
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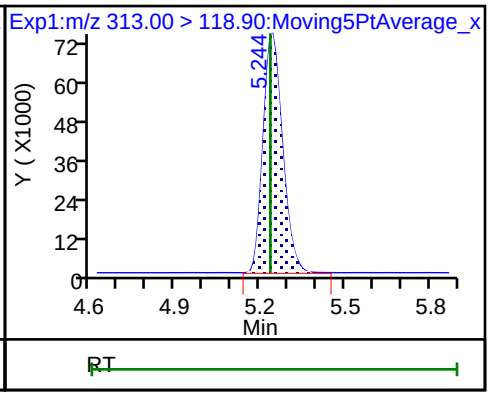
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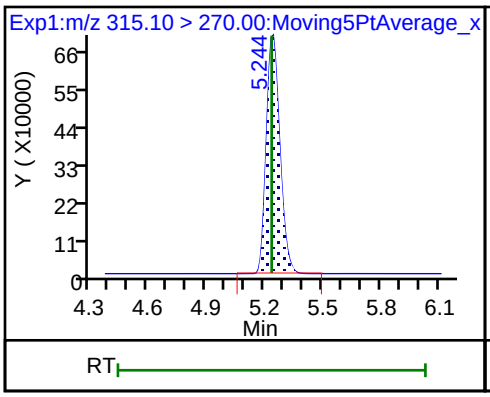
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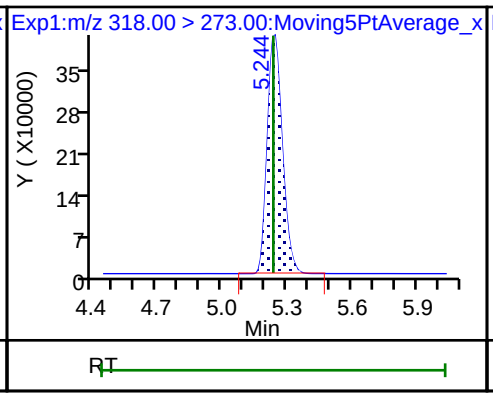
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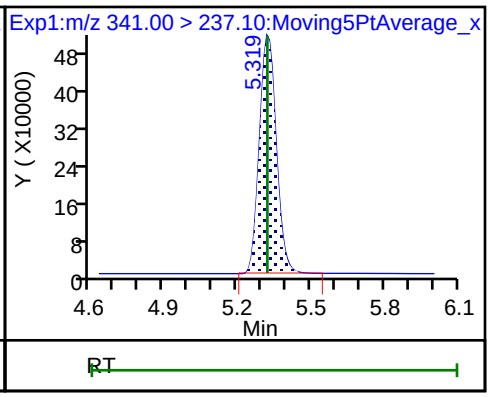
* 16 13C2 PFHxA



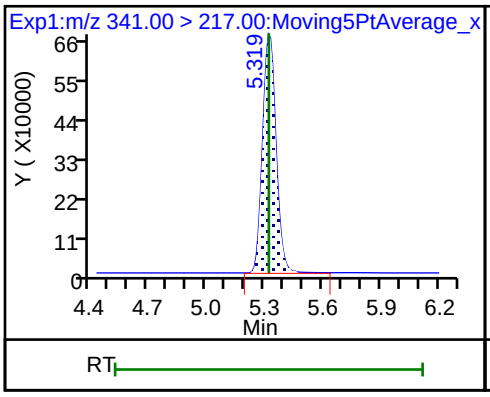
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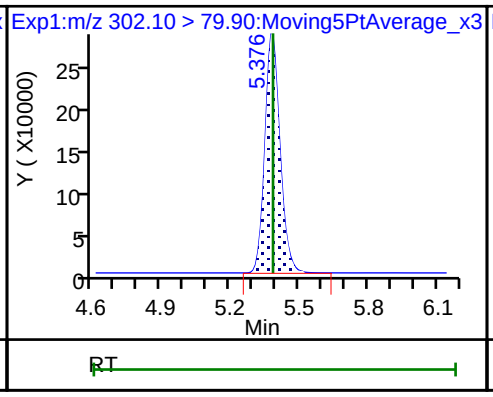
18 5:3 FTCA



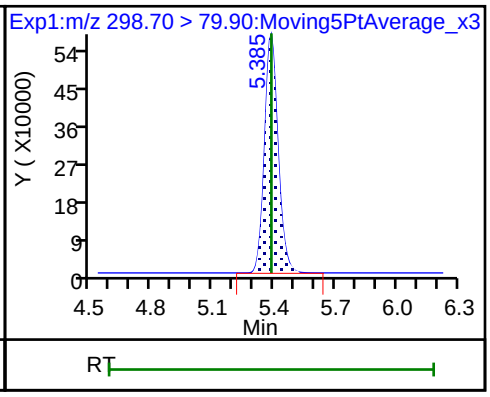
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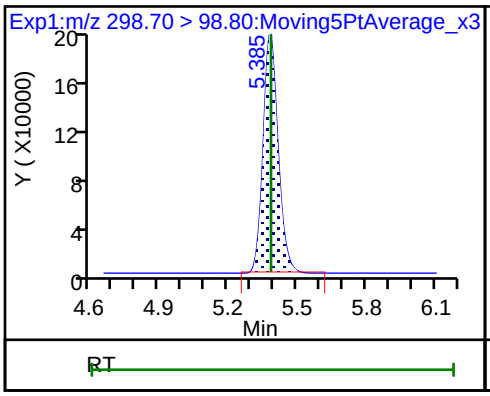
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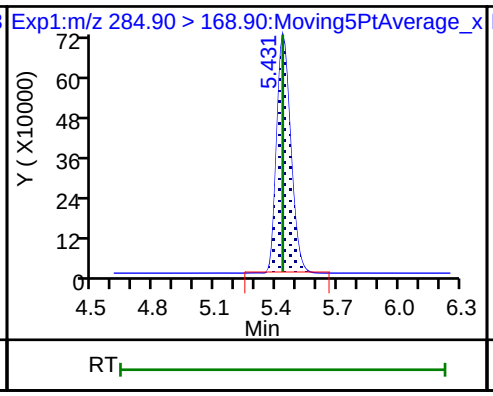
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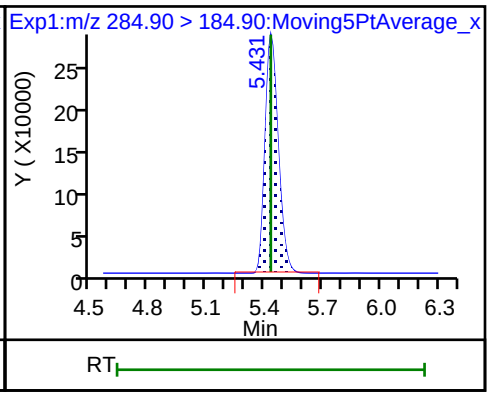
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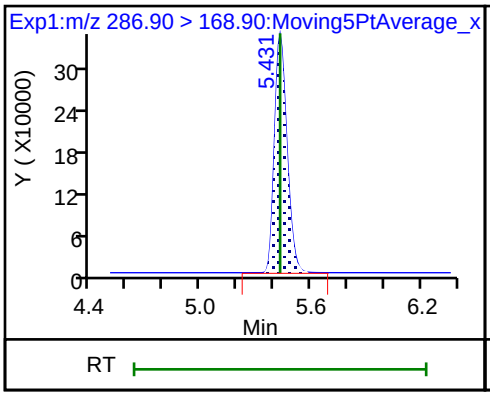
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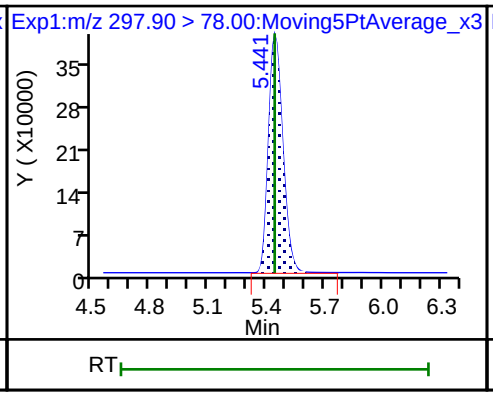
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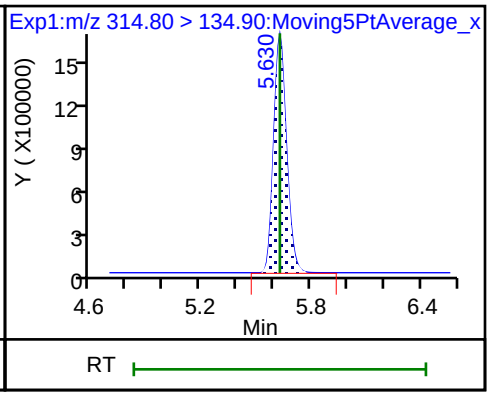
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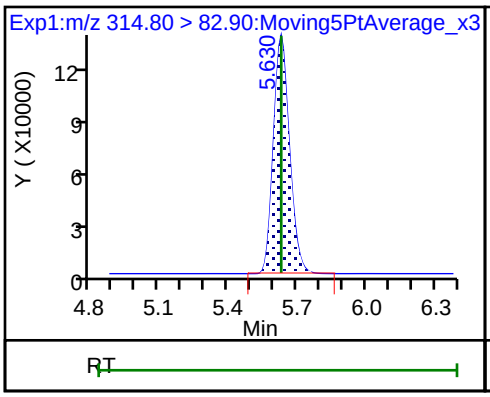
23 FBSA



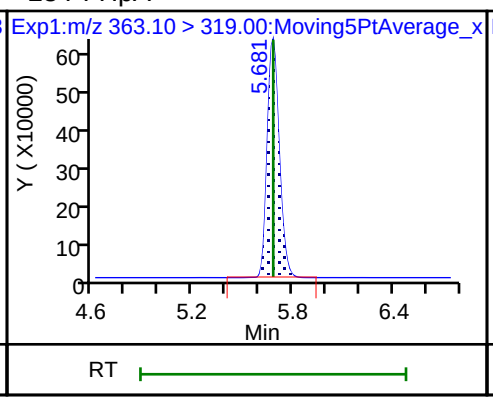
26 PFEESA



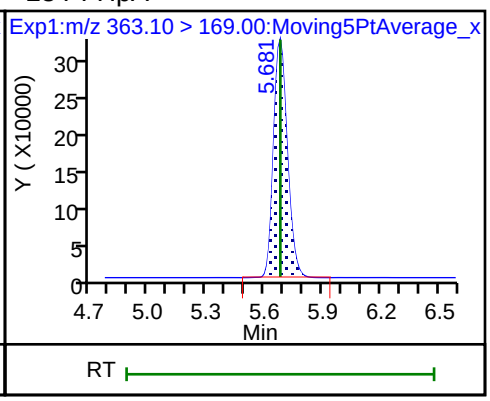
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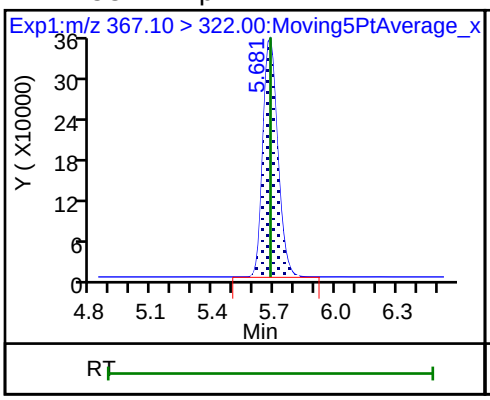
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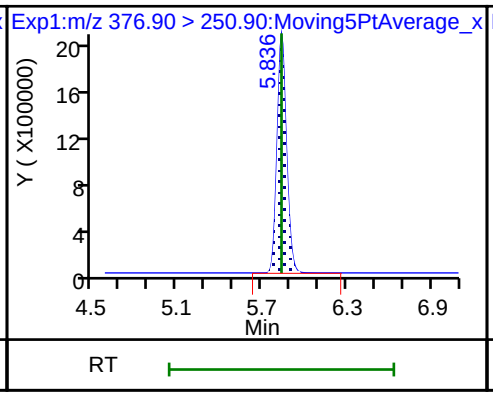
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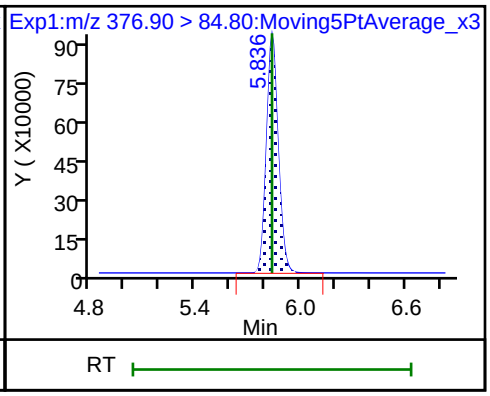
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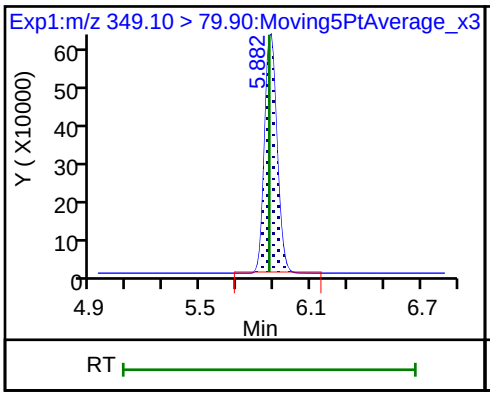
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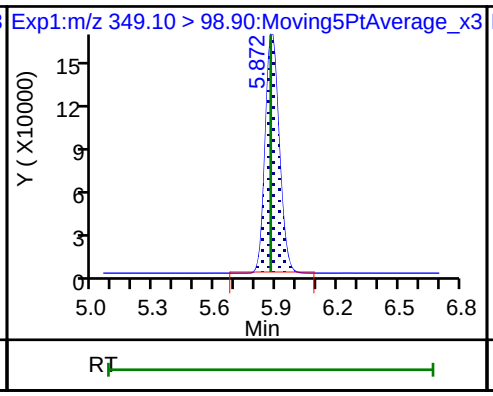
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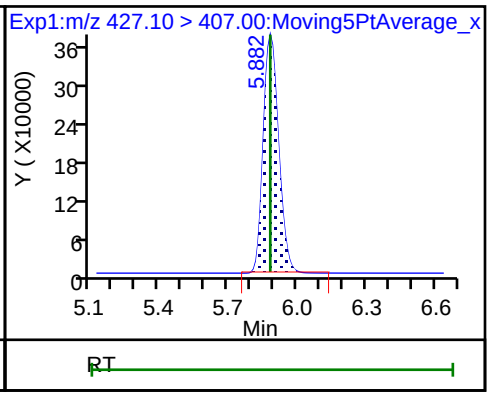
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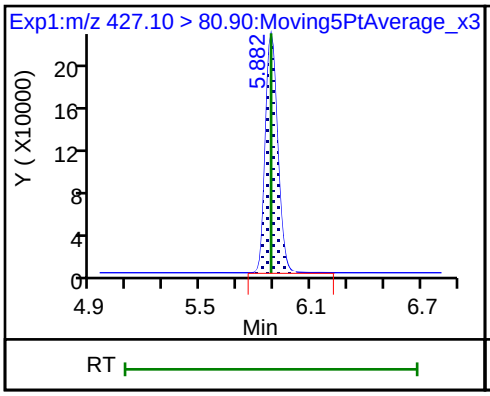
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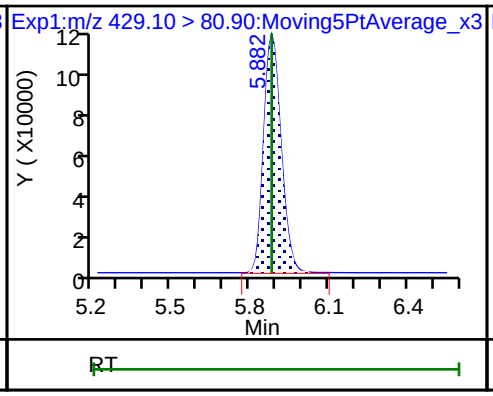
31 6:2FTS



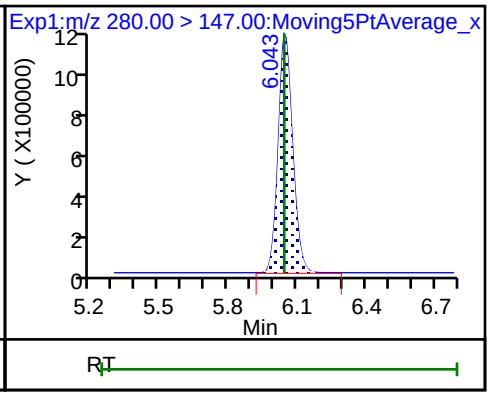
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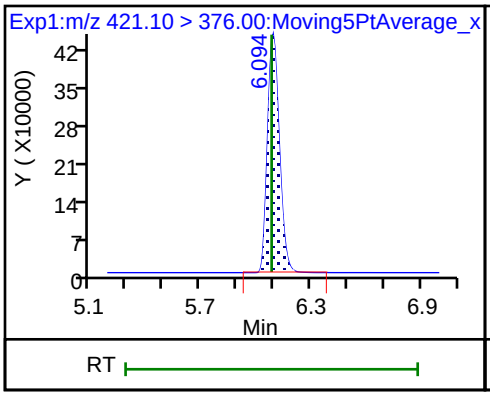
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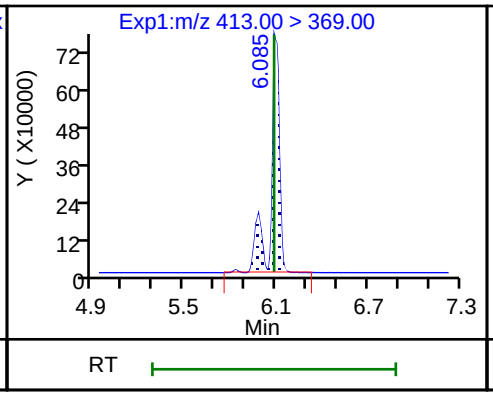
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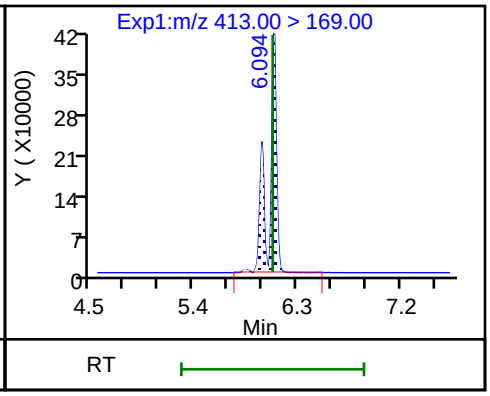
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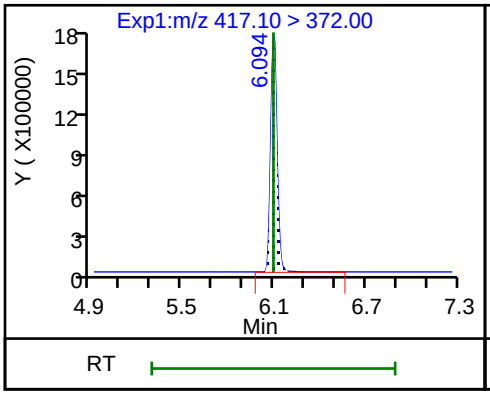
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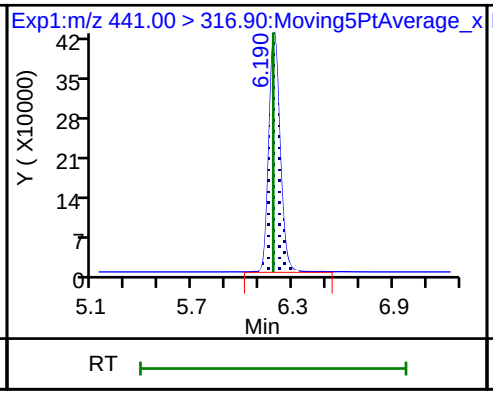
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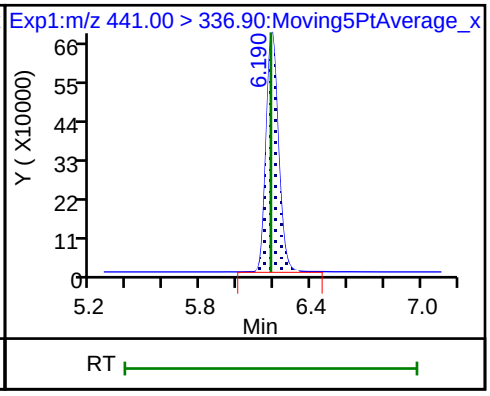
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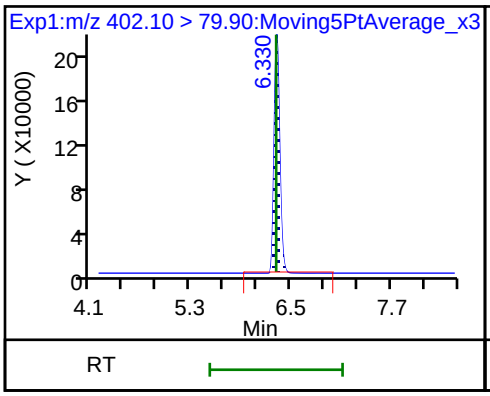
37 7:3 FTCA



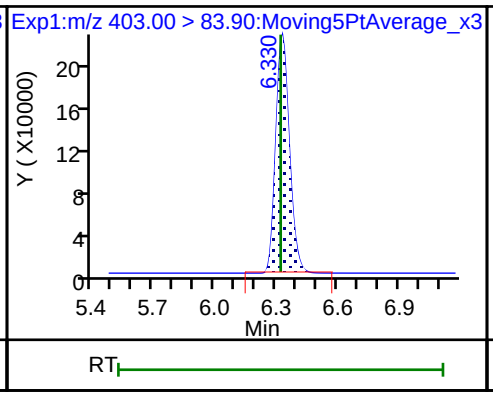
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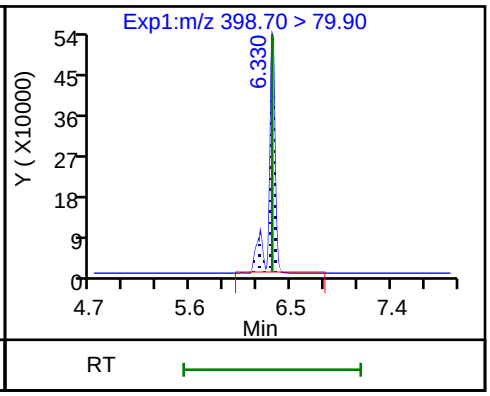
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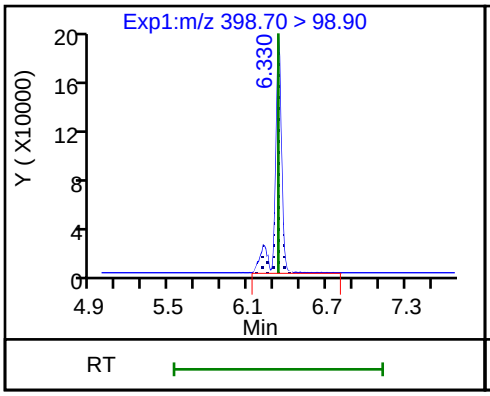
* 38 18O2 PFHxS



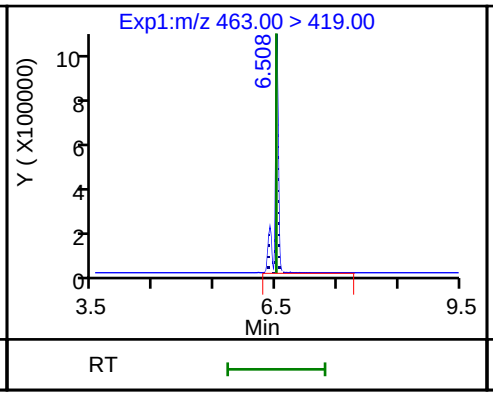
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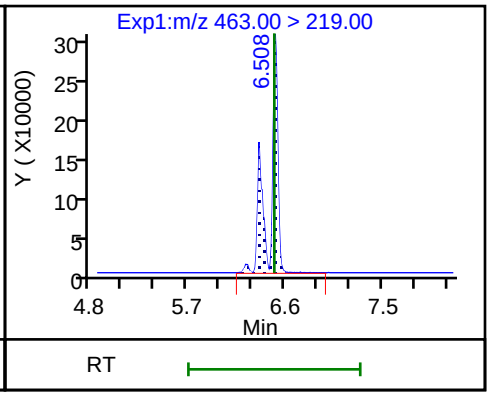
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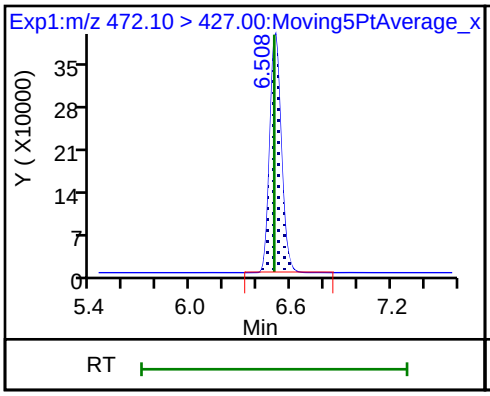
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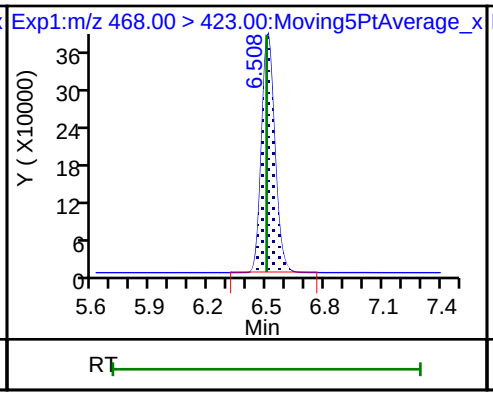
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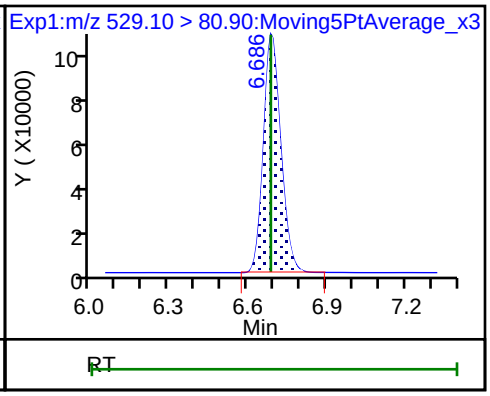
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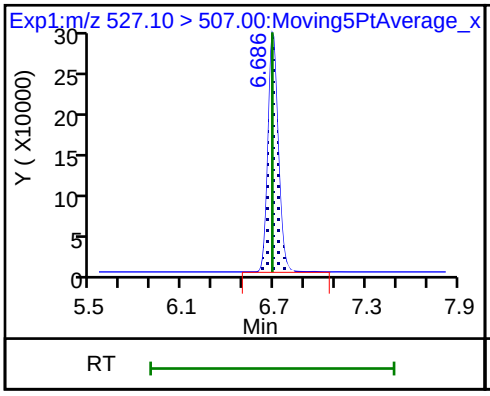
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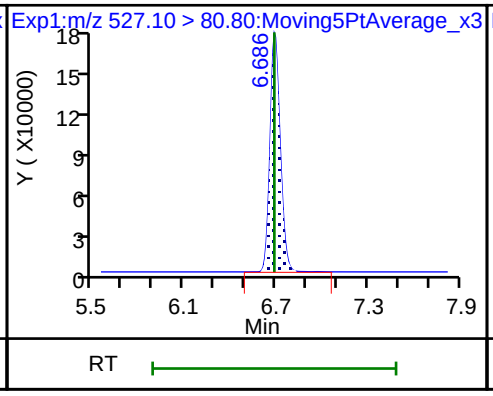
D 45 13C2-8:2FTS



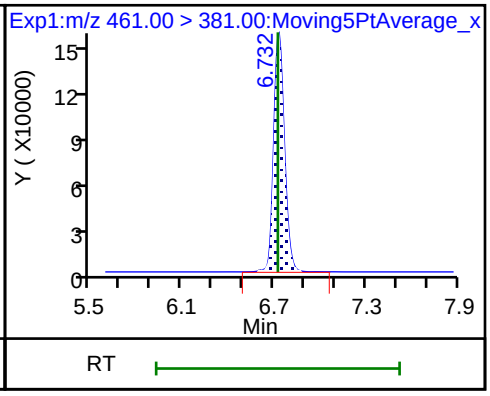
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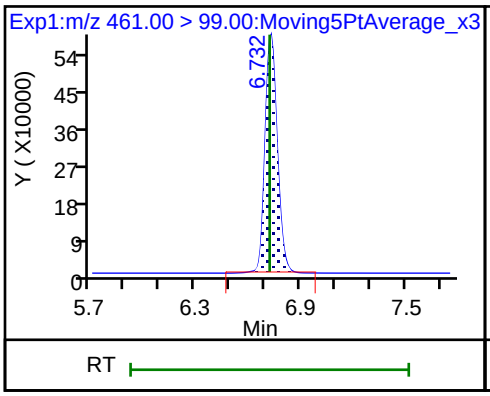
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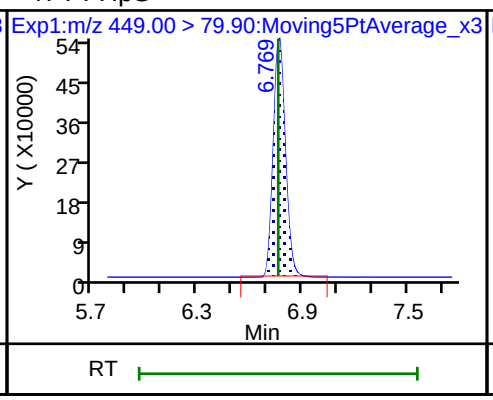
46 PFECHS



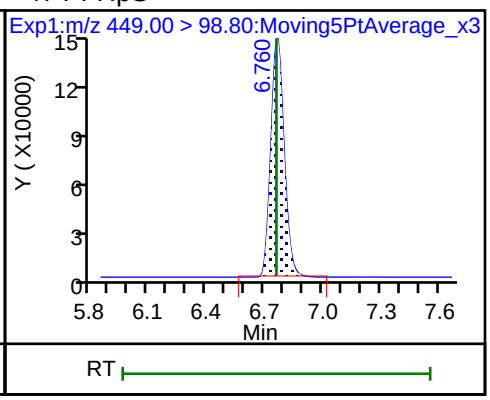
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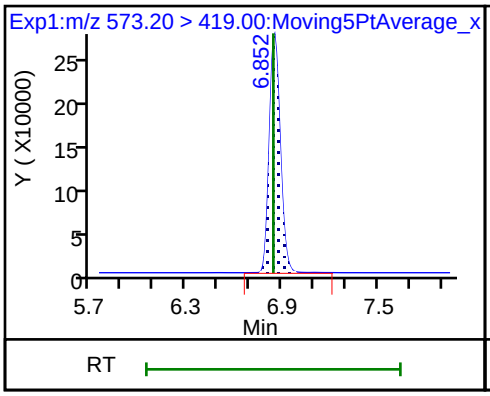
47 PFHpS



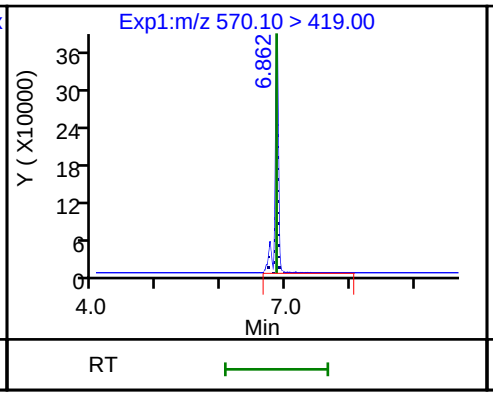
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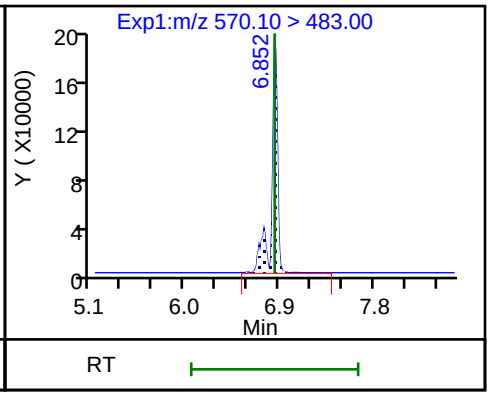
D 48 d3-NMeFOSAA



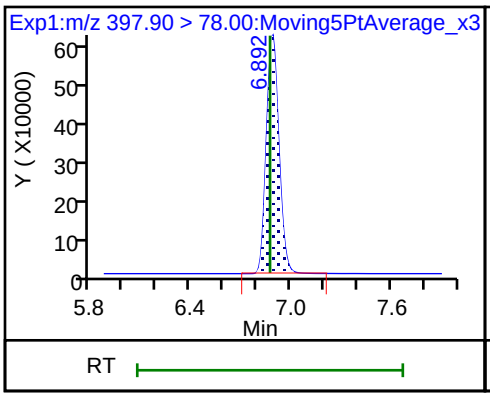
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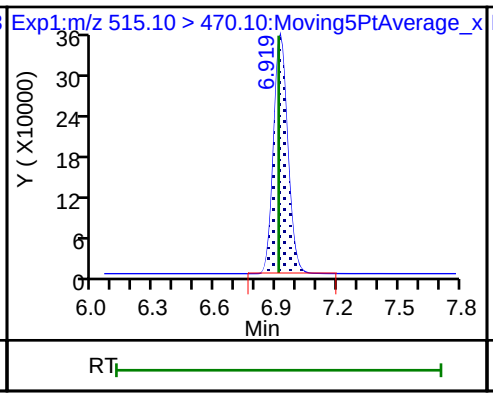
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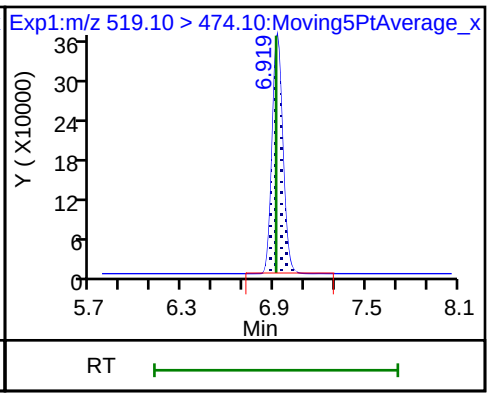
53 FHxSA



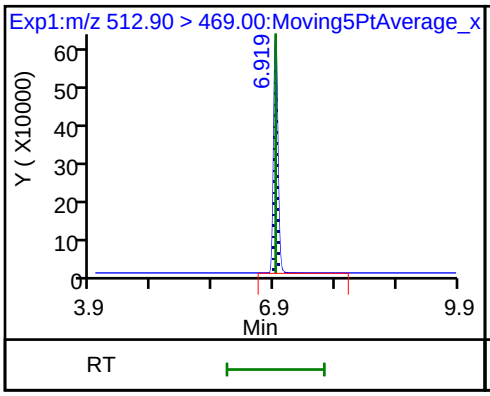
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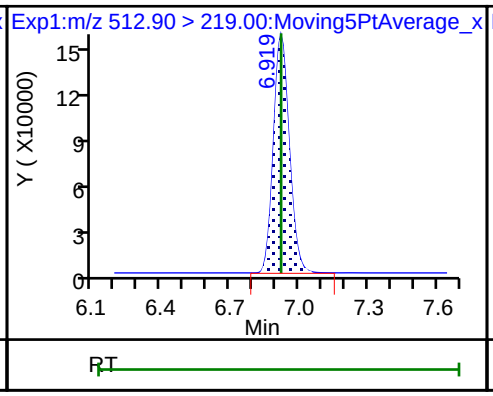
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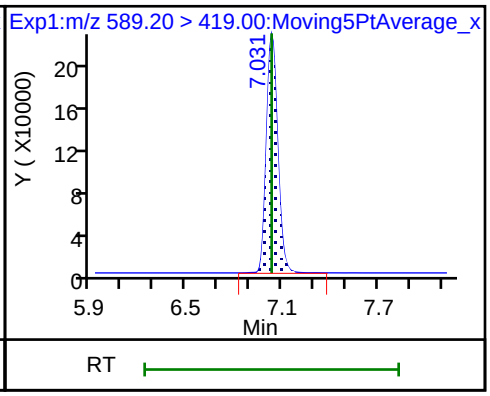
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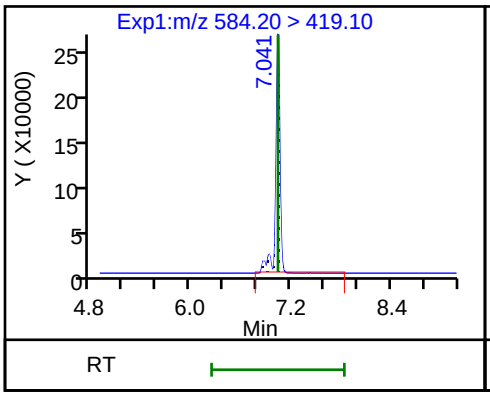
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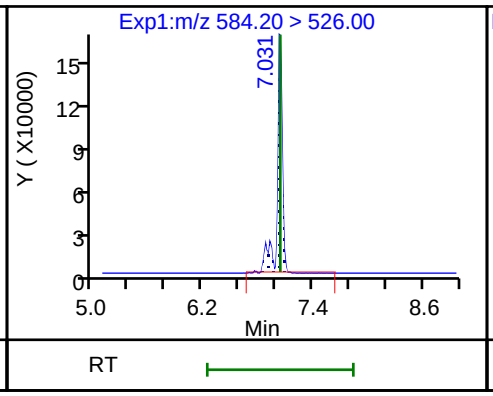
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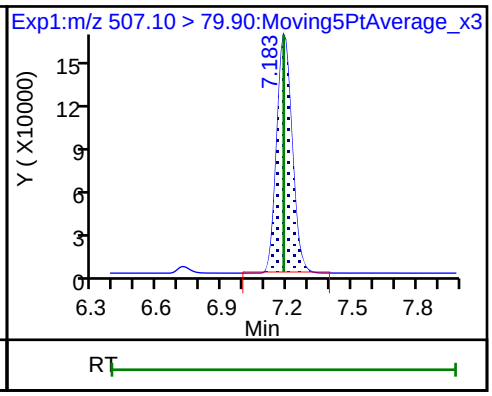
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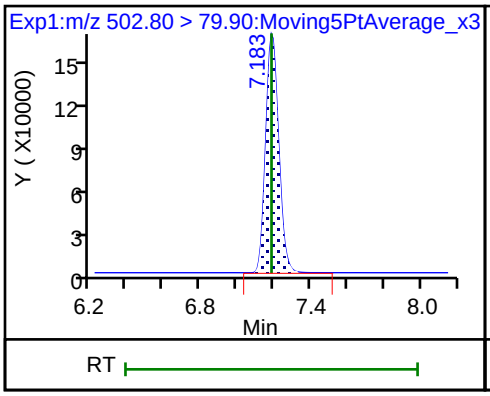
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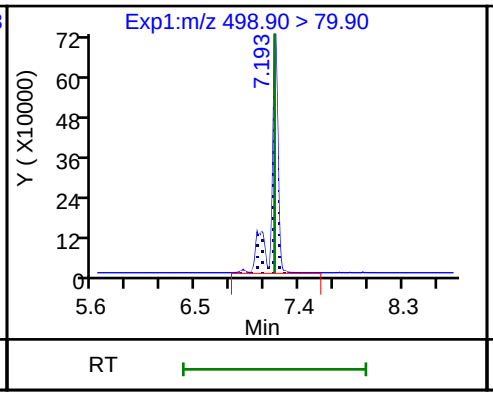
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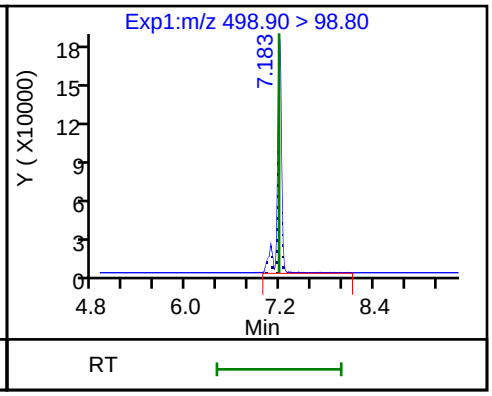
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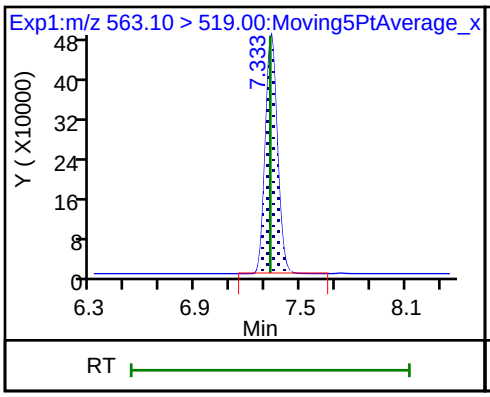
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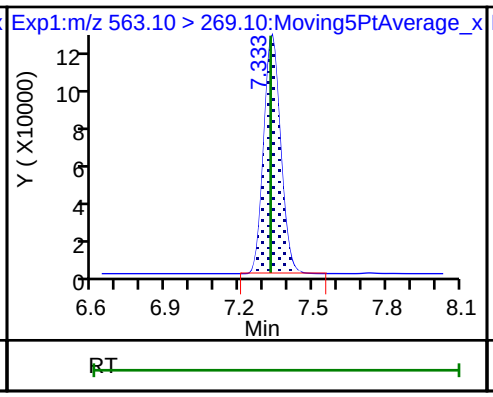
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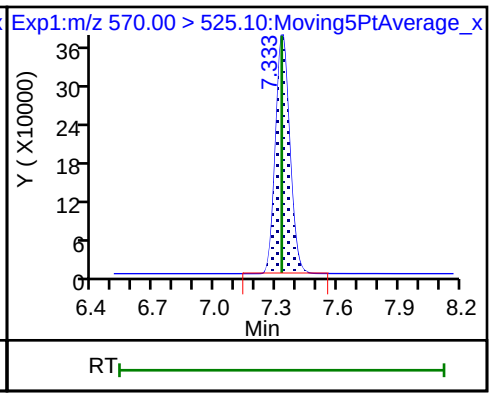
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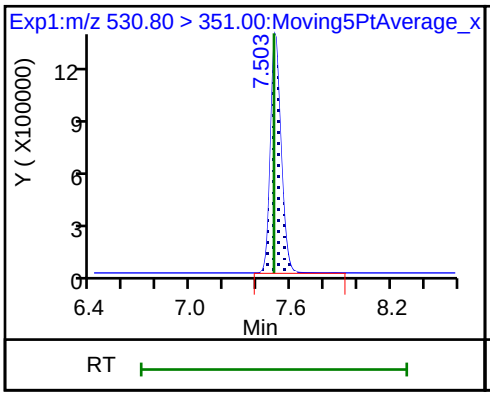
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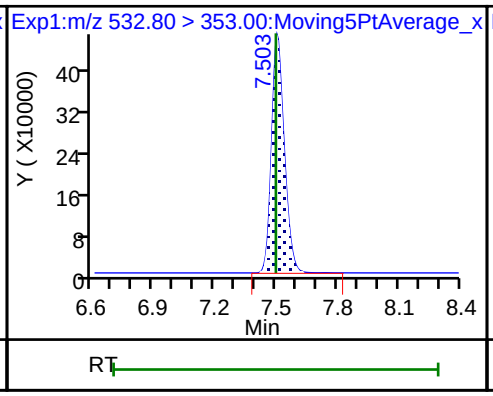
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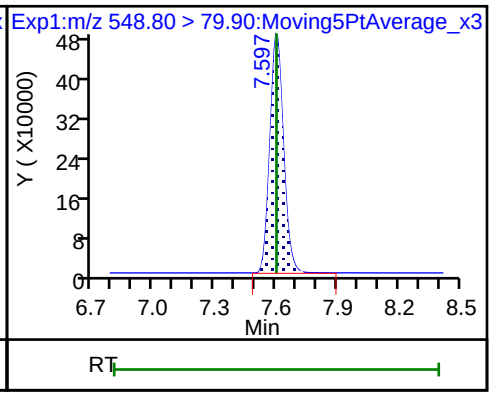
61 9ClFOS



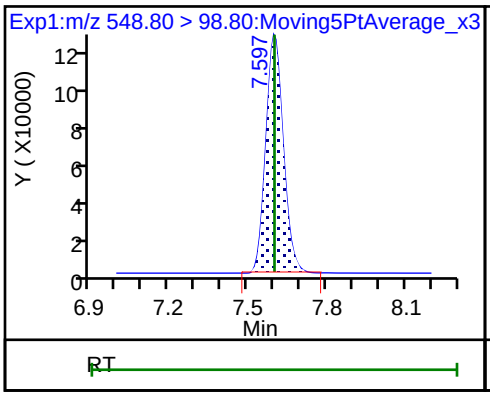
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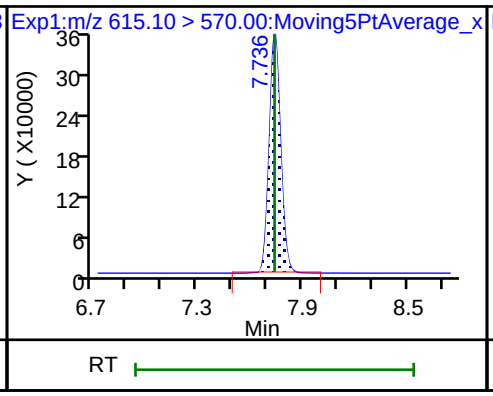
62 PFNS



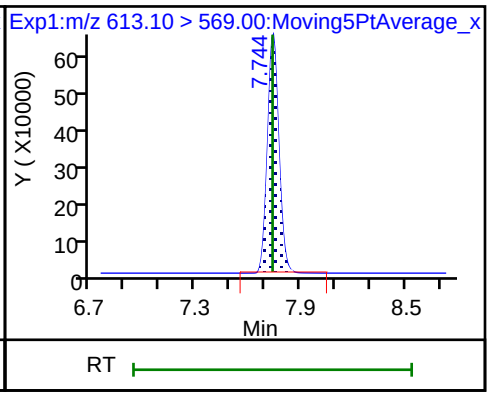
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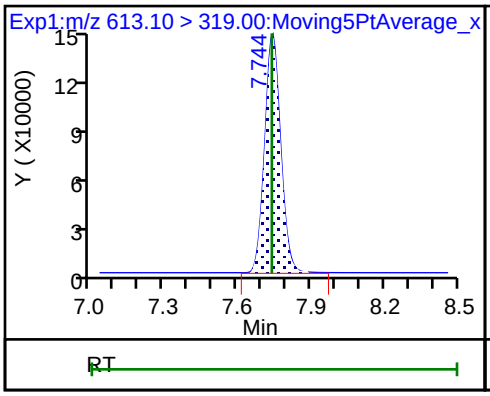
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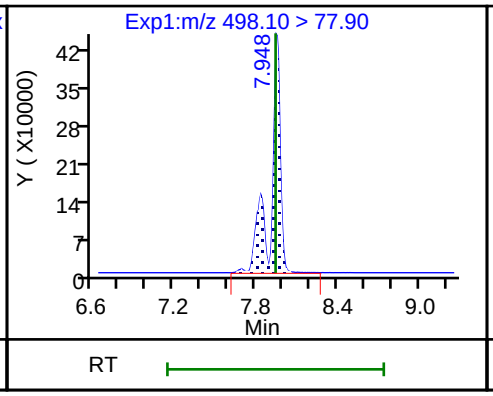
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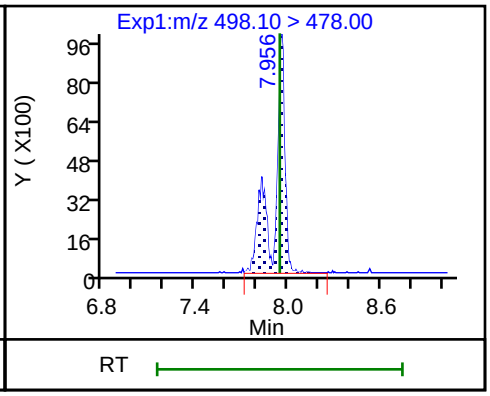
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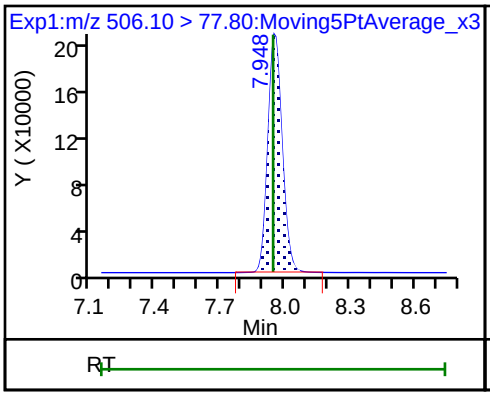
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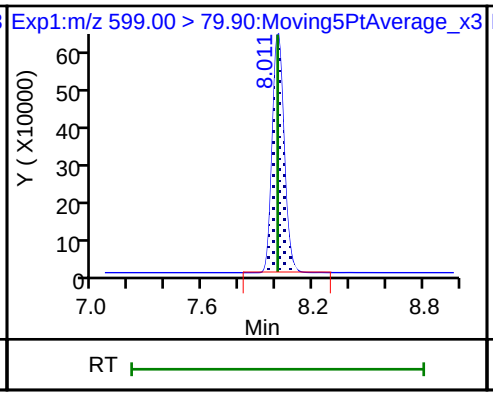
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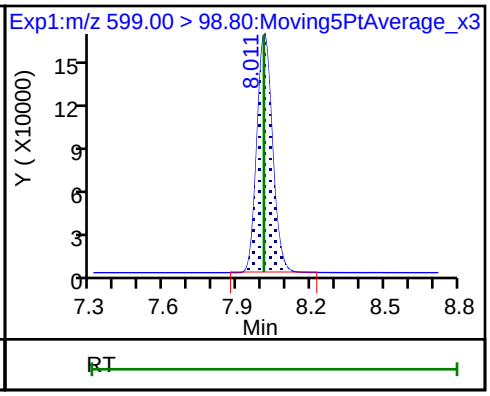
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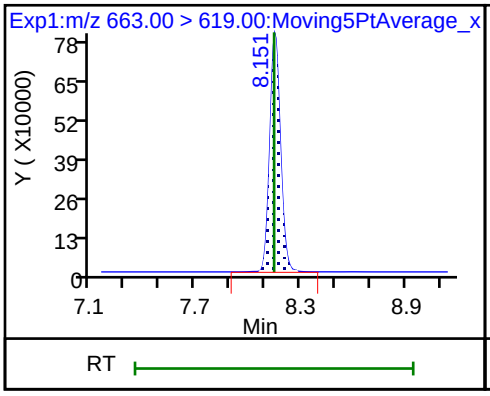
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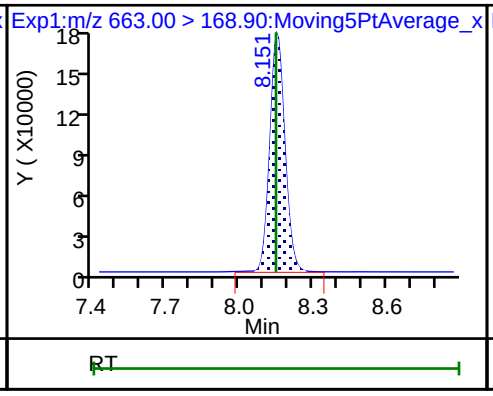
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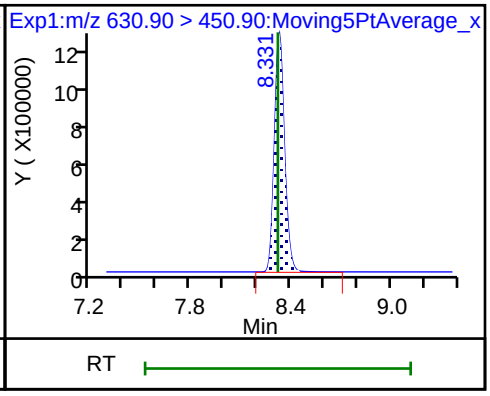
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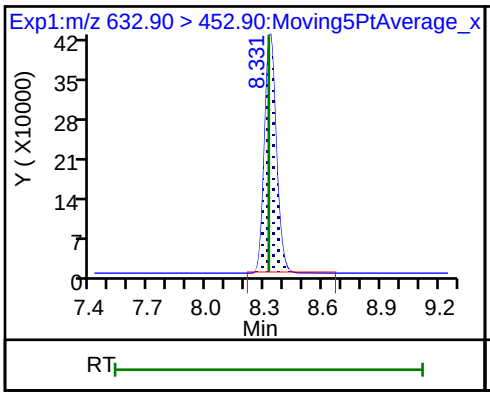
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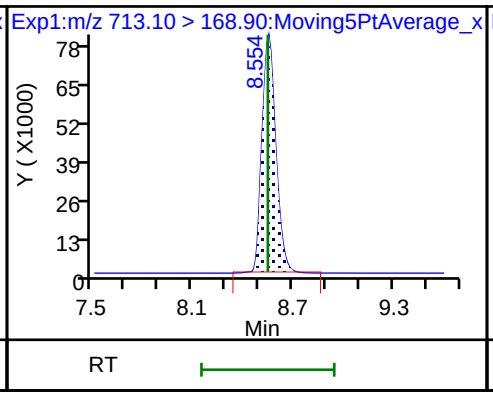
68 11ClFOS



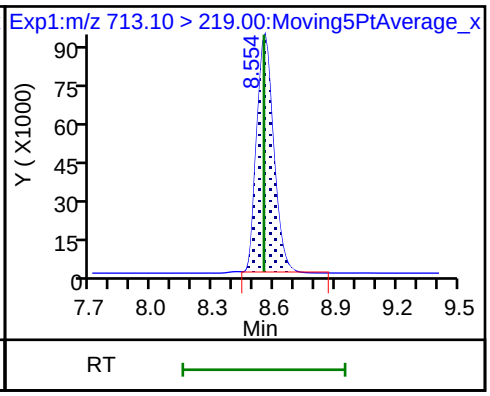
68 11ClFOS



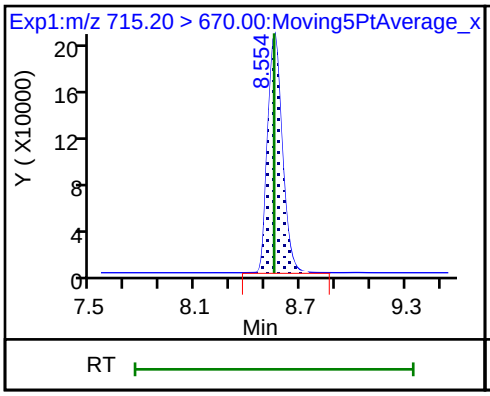
70 PFTeDA



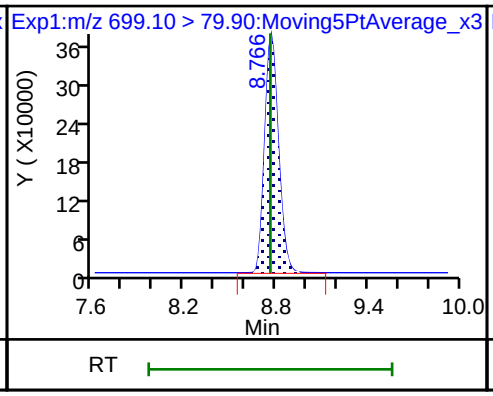
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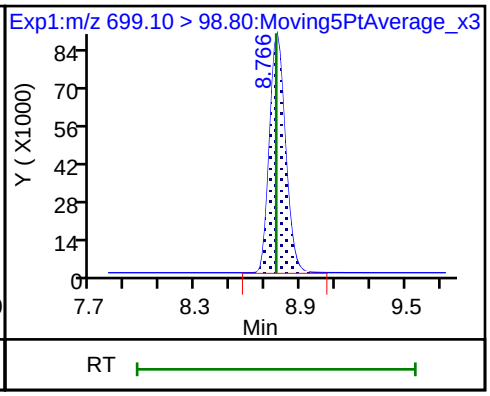
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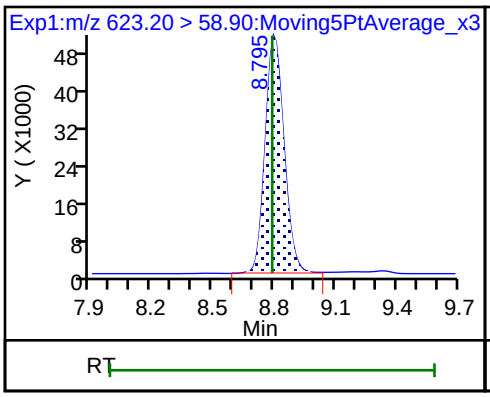
71 PFDoS



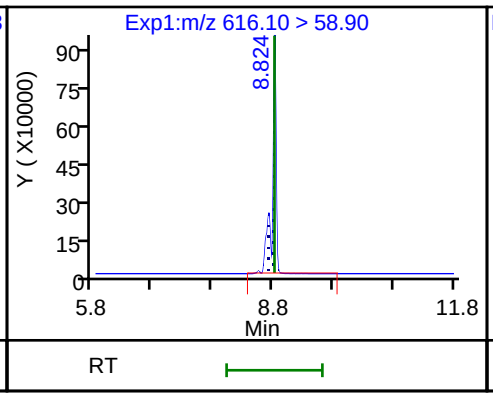
71 PFDoS



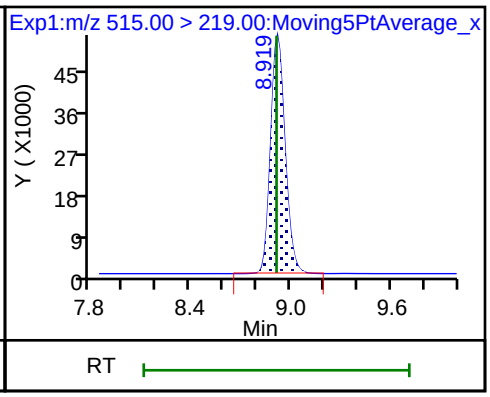
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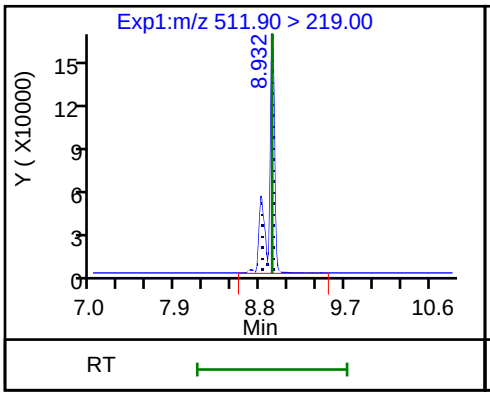
73 N-MeFOSE-M



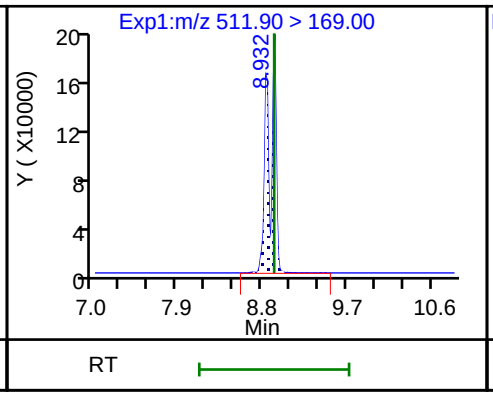
D 74 d3-NMePFOSA



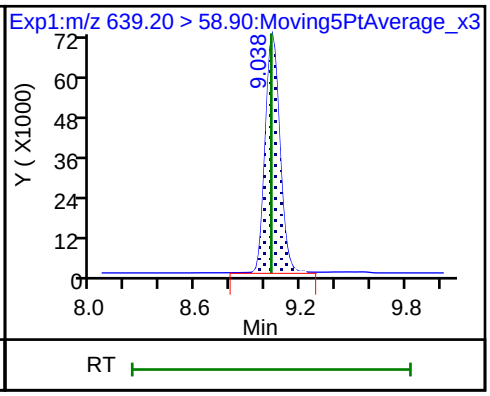
75 NMeFOSA



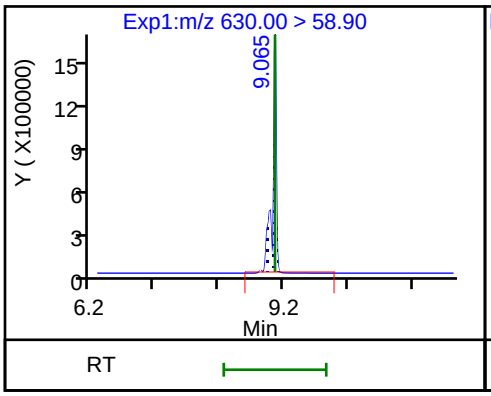
75 NMeFOSA



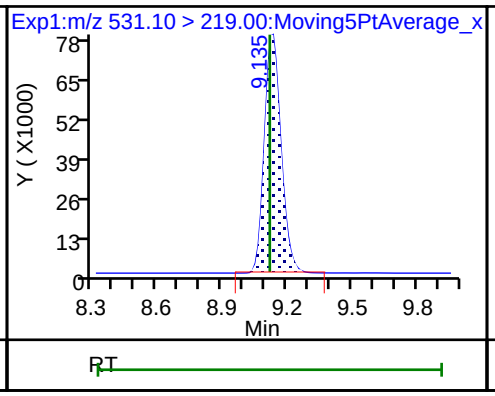
D 76 d9-N-EtFOSE



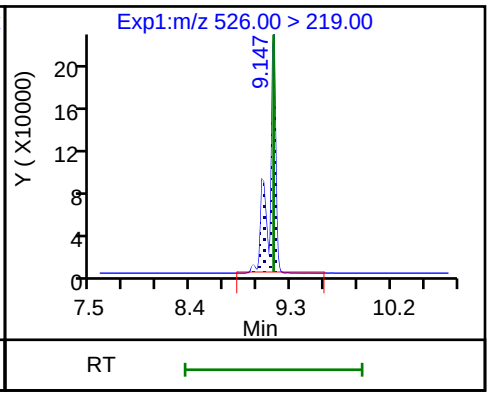
77 N-EtFOSE-M



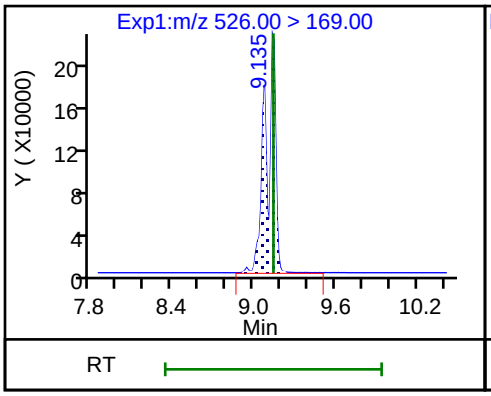
D 78 d5-NEtPFOSA



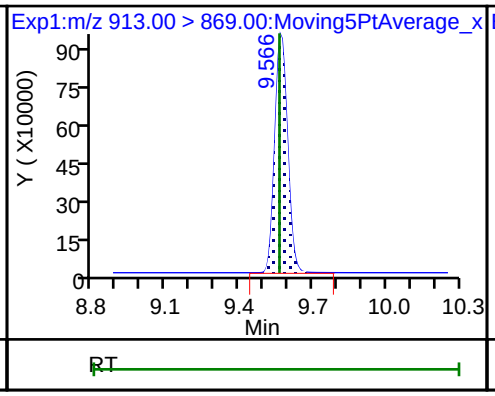
79 N-EtFOSA-M



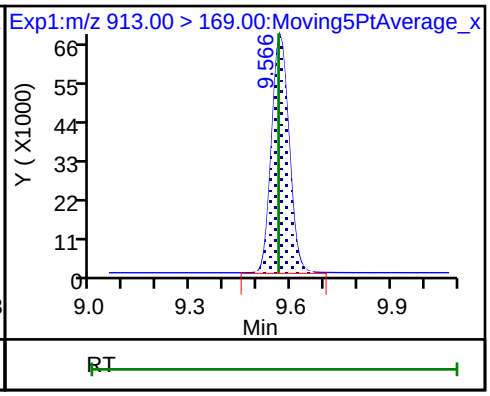
79 N-EtFOSA-M



80 Perfluorooctadecanoic acid



80 Perfluorooctadecanoic acid



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\25MAR06CAL-07.d
Lims ID: IC CAL 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 06-Mar-2025 20:35:01 ALS Bottle#: 8 Worklist Smp#: 7
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: CAL 7
Misc. Info.: Plate: 1 Rack: 1
Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570
Sublist: chrom-30570-1633-125ml*sub2

Method: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\30570-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 07-Mar-2025 18:46:05 Calib Date: 06-Mar-2025 20:48:33
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\25MAR06CAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1645

First Level Reviewer: RPU6 Date: 06-Mar-2025 21:23:59
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C3PFPrA										
166.00 > 121.00	1.993	2.026	-0.033	0.482	1567475	2.08		104	362	
2 Perfluoropropionic acid										
163.00 > 119.00	2.019	2.026	-0.007	1.013	42255218	50.0		100.0	688	
5 PFBA										
212.80 > 168.90	4.126	4.119	0.007	0.998	16914858	20.4		102	21175	
D 3 13C4-PFBA										
216.80 > 171.90	4.133	4.119	0.014	1.000	1764467	1.97		98.4	58228	
* 4 13C3PFBA										
216.00 > 172.00	4.133	4.127	0.006		1668929	2.00			2196	
6 PFMPA										
229.00 > 84.90	4.428	4.430	-0.002	0.930	10154024	10.3		103	226220	
7 3:3 FTCA										
241.00 > 177.00	4.438	4.439	-0.001	0.932	1047543	20.5	Target=1.52	103	58613	
241.00 > 117.00	4.438	4.439	-0.001	0.932	703800		1.49(0.76-2.29)	103	26492	
D 8 13C5 PFPeA										
268.30 > 223.00	4.761	4.755	0.006	0.908	1479880	1.87		93.7	97227	
9 PFPA										
263.00 > 219.00	4.769	4.762	0.007	1.002	9323158	10.3		103	242001	
10 PFMBA										
279.00 > 85.10	4.925	4.926	-0.001	1.034	10694549	10.2		102	382634	
11 4:2FTS										
327.10 > 307.00	5.057	5.049	0.008	1.000	4774926	18.8	Target=1.60	101	263693	
327.10 > 80.90	5.057	5.049	0.008	1.000	2976583		1.60(0.80-2.40)	101	73174	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.057	5.049	0.008	0.798	656990	4.31		91.8	36077	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.205	5.196	0.008	0.992	4278235	10.3	Target=1.56	103	228650	
295.00 > 84.90	5.205	5.196	0.008	0.992	2751861		1.55(0.78-2.33)	103	149369	
17 PFHxA										
313.00 > 269.00	5.245	5.236	0.009	1.000	8059217	10.3	Target=10.95	103	209411	
313.00 > 118.90	5.245	5.236	0.009	1.000	730672		11.03(5.48-16.43)	103	50154	
* 16 13C2 PFHxA										
315.10 > 270.00	5.245	5.236	0.009		3948883	5.00			163791	
D 15 13C5 PFHxA										
318.00 > 273.00	5.245	5.236	0.009	1.000	1913330	1.80		90.1	131314	
18 5:3 FTCA										
341.00 > 237.10	5.330	5.321	0.009	1.016	5946887	57.1	Target=0.72	114	253425	
341.00 > 217.00	5.330	5.321	0.009	1.016	7705738		0.77(0.36-1.08)	114	330893	
D 20 13C3 PFBS										
302.10 > 79.90	5.383	5.385	-0.002	0.849	1389461	1.86		99.9	102215	
19 PFBS										
298.70 > 79.90	5.383	5.385	-0.002	1.000	5714648	8.55	Target=2.90	96.3	312825	
298.70 > 98.80	5.383	5.385	-0.002	1.000	2084547		2.74(1.45-4.35)	96.3	153924	
21 HFPO-DA										
284.90 > 168.90	5.439	5.431	0.008	1.000	7527575	7.78	Target=2.63	104	113747	
284.90 > 184.90	5.439	5.431	0.008	1.000	2902079		2.59(1.32-3.95)	104	153655	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.439	5.431	0.008	1.037	1788719	1.86		92.9	125879	
23 FBSA										
297.90 > 78.00	5.449	5.441	0.008	1.012	4869815	10.8		108	106008	
26 PFEESA										
314.80 > 134.90	5.638	5.630	0.008	1.075	18330731	9.59	Target=12.49	107	739242	
314.80 > 82.90	5.638	5.630	0.008	1.075	1455524		12.59(6.24-18.74)	107	98070	
28 PFHpA										
363.10 > 319.00	5.690	5.681	0.009	1.002	6930071	10.4	Target=1.89	104	275163	
363.10 > 169.00	5.690	5.681	0.009	1.002	3471211		2.00(0.95-2.84)	104	171734	
D 27 13C4 PFHpA										
367.10 > 322.00	5.680	5.681	-0.001	1.083	1819321	1.81		90.4	91160	
29 ADONA										
376.90 > 250.90	5.844	5.836	0.008	1.074	20746817	9.44	Target=2.13	99.8	640215	
376.90 > 84.80	5.844	5.836	0.008	1.074	10188359		2.04(1.07-3.20)	99.8	441518	
30 PFPeS										
349.10 > 79.90	5.881	5.872	0.009	0.928	6199026	8.92	Target=3.41	94.9	331136	
349.10 > 98.90	5.881	5.872	0.009	0.928	1873200		3.31(1.70-5.11)	94.9	133800	
31 6:2FTS										
427.10 > 407.00	5.891	5.882	0.009	1.000	3987445	21.0	Target=1.64	111	292356	
427.10 > 80.90	5.891	5.882	0.009	1.000	2404857		1.66(0.82-2.45)	111	132396	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.891	5.882	0.009	0.929	512462	4.02		84.4	36755	
33 BTS										
280.00 > 147.00	6.050	6.043	0.007	0.954	10410007	9.67		98.7	476281	
D 34 13C8 PFOA										
421.10 > 376.00	6.101	6.085	0.016	1.000	2174182	2.01		100	123237	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
36 PFOA										
413.00 > 369.00	6.110	6.085	0.025	1.001	6814681	10.7	Target=1.63	107	1886988	
413.00 > 169.00	6.110	6.085	0.025	1.001	4128873		1.65(0.82-2.45)	107	5453	
* 35 13C4 PFOA										
417.10 > 372.00	6.101	6.093	0.008		5454715	5.00			9856	
37 7:3 FTCA										
441.00 > 316.90	6.198	6.181	0.017	1.182	4634774	59.4	Target=0.59	119	110911	
441.00 > 336.90	6.198	6.181	0.017	1.182	7437790		0.62(0.29-0.88)	119	266885	
D 39 13C3 PFHxS										
402.10 > 79.90	6.339	6.321	0.018	1.000	1097408	1.91		101	78560	
* 38 18O2 PFHxS										
403.00 > 83.90	6.339	6.321	0.018		1125638	1.89			80274	
40 PFHxS										
398.70 > 79.90	6.339	6.330	0.009	1.000	4437263	8.51	Target=3.32	93.3	6891	
398.70 > 98.90	6.339	6.330	0.009	1.000	1368666		3.24(1.66-4.98)	93.3	2776	
* 41 13C5 PFNA										
468.00 > 423.00	6.517	6.499	0.018		1983368	2.00			137852	
43 PFNA										
463.00 > 419.00	6.517	6.499	0.018	1.000	8865591	10.5	Target=2.60	105	2523405	
463.00 > 219.00	6.517	6.499	0.018	1.000	3291178		2.69(1.30-3.91)	105	4070	
D 42 13C9 PFNA										
472.10 > 427.00	6.517	6.499	0.018	1.000	1927748	1.98		99.2	80412	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.694	6.686	0.008	1.056	496736	4.63		96.4	36138	
44 8:2FTS										
527.10 > 507.00	6.694	6.686	0.008	1.000	2918649	18.2	Target=1.64	95.0	157820	
527.10 > 80.80	6.694	6.686	0.008	1.000	1827089		1.60(0.82-2.45)	95.0	99499	
46 PFECHS										
461.00 > 381.00	6.742	6.723	0.019	1.064	1717726	9.46	Target=0.25	102	116791	
461.00 > 99.00	6.742	6.723	0.019	1.064	6524425		0.26(0.13-0.38)	102	333436	
47 PFHpS										
449.00 > 79.90	6.779	6.760	0.019	0.942	5479238	9.24	Target=3.90	96.9	282300	
449.00 > 98.80	6.769	6.760	0.009	0.941	1498378		3.66(1.95-5.85)	96.9	102863	
D 48 d3-NMeFOSAA										
573.20 > 419.00	6.863	6.843	0.020	0.954	1370588	4.74		94.9	70390	
49 NMeFOSAA										
570.10 > 419.00	6.863	6.853	0.010	1.000	2872156	10.1	Target=1.75	101	6004	
570.10 > 483.00	6.863	6.853	0.010	1.000	1571636		1.83(0.87-2.62)	101	4654	
53 FHxSA										
397.90 > 78.00	6.902	6.874	0.028	1.089	7603608	10.4		104	486068	
* 50 13C2 PFDA										
515.10 > 470.10	6.929	6.911	0.018		1674675	2.00			57492	
D 51 13C6 PFDA										
519.10 > 474.10	6.929	6.911	0.018	1.000	1757786	2.06		103	91345	
52 PFDA										
512.90 > 469.00	6.929	6.920	0.009	1.000	6815442	10.6	Target=4.00	106	480569	
512.90 > 219.00	6.929	6.920	0.009	1.000	1595853		4.27(2.00-6.00)	106	66806	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.043	7.033	0.010	0.979	1211318	4.96		99.2	62437	
55 NEtFOSAA										
584.20 > 419.10	7.053	7.043	0.010	1.001	2051503	10.0	Target=1.50	99.9	3978	
584.20 > 526.00	7.053	7.043	0.010	1.001	1369878		1.50(0.75-2.25)	99.9	3104	
D 56 13C8 PFOS										
507.10 > 79.90	7.194	7.184	0.010	1.000	874001	1.93		101	2453	
* 57 13C4 PFOS										
502.80 > 79.90	7.194	7.184	0.010		863054	1.91			58414	
58 PFOS										
498.90 > 79.90	7.204	7.184	0.020	1.001	6147920	9.21	Target=4.37	99.1	502717	
498.90 > 98.80	7.194	7.184	0.010	1.000	1409230		4.36(2.18-6.55)	99.1	386298	
60 PFUnA										
563.10 > 519.00	7.345	7.326	0.019	1.000	5558893	10.9	Target=3.87	109	236514	
563.10 > 269.10	7.345	7.326	0.019	1.000	1360711		4.09(1.93-5.80)	109	71838	
D 59 13C7 PFUnA										
570.00 > 525.10	7.345	7.326	0.019	1.060	1890136	2.12		106	99347	
61 9ClFOS										
530.80 > 351.00	7.511	7.497	0.014	1.381	12700144	9.42	Target=2.97	101	950726	
532.80 > 353.00	7.511	7.497	0.014	1.381	4289771		2.96(1.48-4.45)	101	323714	
62 PFNS										
548.80 > 79.90	7.609	7.600	0.009	1.058	4909035	9.56	Target=3.70	99.4	151115	
548.80 > 98.80	7.609	7.600	0.009	1.058	1323884		3.71(1.85-5.55)	99.4	94846	
D 81 13C2 PFDoA										
615.10 > 570.00	7.756	7.739	0.017	1.119	1625286	2.12		106	88167	
63 PFDoA										
613.10 > 569.00	7.756	7.739	0.017		6574225	10.5	Target=4.68	105	207918	
613.10 > 319.00	7.756	7.739	0.017		1380299		4.76(2.34-7.01)	105	75712	
64 PFOSA										
498.10 > 77.90	7.968	7.944	0.024	1.001	4871854	9.89	Target=50.02	98.9	5051	
498.10 > 478.00	7.960	7.944	0.016	1.000	107061		45.51(25.01-75.03)	98.9	464	
D 65 13C8 FOSA										
506.10 > 77.80	7.960	7.944	0.016	1.106	1044307	2.16		108	45881	
66 PFDS										
599.00 > 79.90	8.023	8.007	0.016	1.115	6410249	9.93	Target=3.88	103	287765	
599.00 > 98.80	8.023	8.007	0.016	1.115	1614529		3.97(1.94-5.82)	103	90286	
67 PFTrDA										
663.00 > 619.00	8.163	8.148	0.015	0.954	7743204	10.3	Target=4.52	103	226610	
663.00 > 168.90	8.163	8.148	0.015	0.954	1641098		4.72(2.26-6.79)	103	95094	
68 11ClFOS										
630.90 > 450.90	8.342	8.321	0.021	1.534	11889630	9.66	Target=2.95	102	934853	
632.90 > 452.90	8.342	8.321	0.021	1.534	3930204		3.03(1.47-4.42)	102	307442	
70 PFTeDA										
713.10 > 168.90	8.572	8.548	0.024	1.001	1103655	9.86	Target=0.91	98.6	62873	
713.10 > 219.00	8.572	8.548	0.024	1.001	1186783		0.93(0.45-1.36)	98.6	22542	
D 69 13C2 PFTeDA										
715.20 > 670.00	8.560	8.548	0.012	1.235	1272143	2.34		117	54140	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
71 PFDoS										
699.10 > 79.90	8.775	8.760	0.015	1.220	5164000	10.1	Target=4.00	104	204779	
699.10 > 98.80	8.775	8.760	0.015	1.220	1297144		3.98(2.00-6.00)	104	68550	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.818	8.789	0.029	1.226	370641	5.34		107	7265	
73 N-MeFOSE-M										
616.10 > 58.90	8.832	8.818	0.014	1.002	9233238	50.8		102	32467	
D 74 d3-NMePFOSA										
515.00 > 219.00	8.926	8.913	0.013	1.241	343002	2.15		108	19067	
75 NMeFOSA										
511.90 > 219.00	8.940	8.926	0.014	1.001	1638614	10.3	Target=0.65	103	3301	
511.90 > 169.00	8.940	8.926	0.014	1.001	2414574		0.68(0.32-0.97)	103	13329	
D 76 d9-N-EtFOSE										
639.20 > 58.90	9.046	9.032	0.014	1.257	458287	5.25		105	8833	
77 N-EtFOSE-M										
630.00 > 58.90	9.072	9.059	0.013	1.003	15092836	50.4		101	1332455	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.143	9.119	0.024	1.271	472348	2.17		108	29671	
79 N-EtFOSA-M										
526.00 > 219.00	9.155	9.143	0.012	1.001	2103964	10.1	Target=0.82	101	17343	
526.00 > 169.00	9.155	9.143	0.012	1.001	2522957		0.83(0.41-1.23)	101	16762	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.579	9.563	0.016	1.119	7976329	10.2	Target=13.85	102	140851	
913.00 > 169.00	9.579	9.563	0.016	1.119	582705		13.69(6.92-20.77)	102	41140	

QC Flag Legend

Processing Flags

Reagents:

1633_125_CAL7_00018 Amount Added: 1.00 Units: mL

Report Date: 07-Mar-2025 18:46:06 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\25MAR06CAL-07.d

Injection Date: 06-Mar-2025 20:35:01 Instrument ID: 30570

Lims ID: IC CAL 7

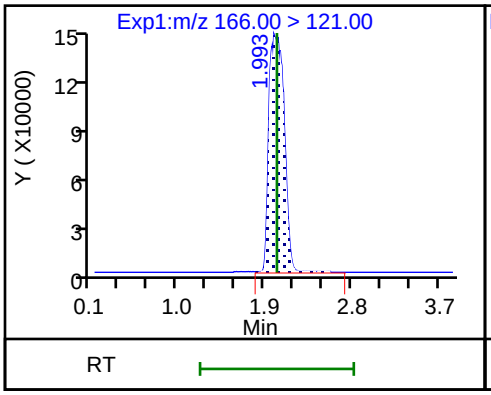
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Operator ID: ETUS023_USR_INS00003 ALS Bottle#: 8 Worklist Smp#: 7

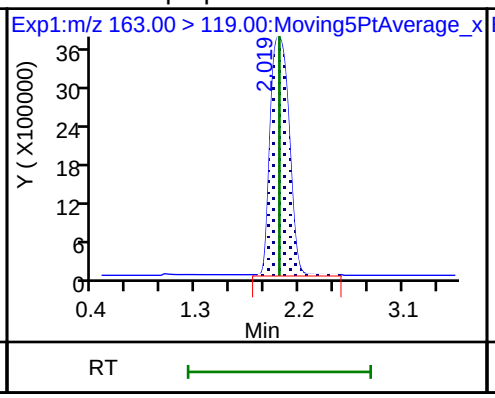
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Method: 30570-1633-125ml Limit Group: LC - 1633 LVI- ICAL

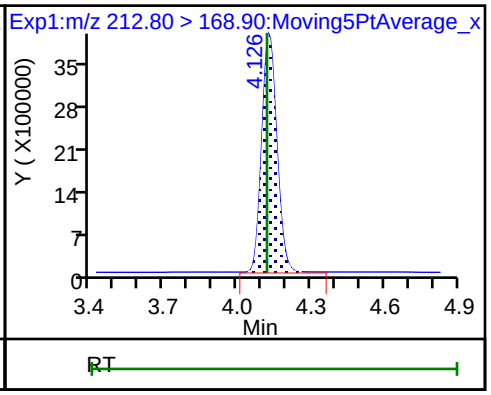
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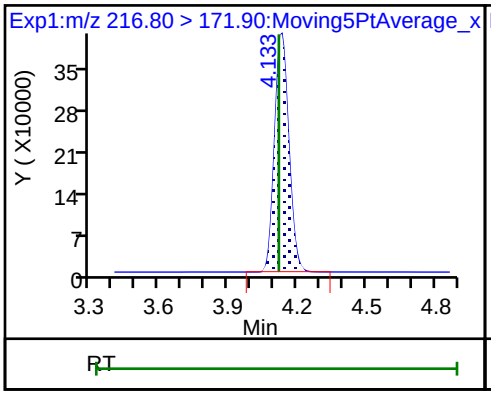
2 Perfluoropropionic acid



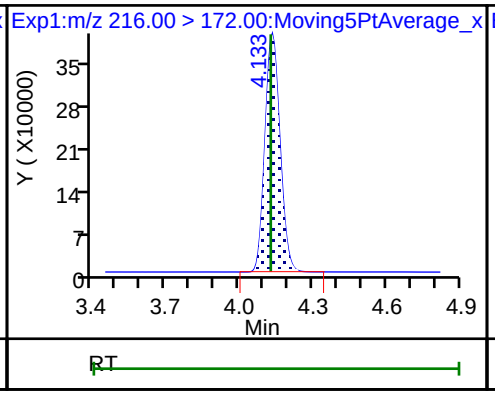
5 PFBA



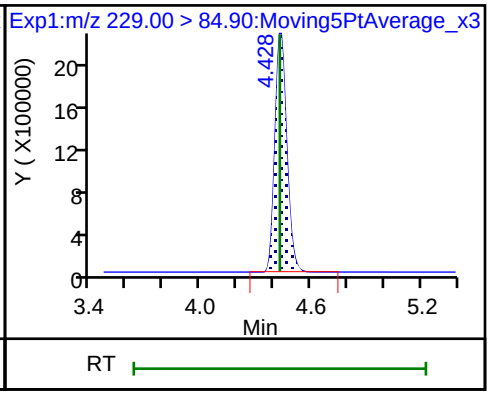
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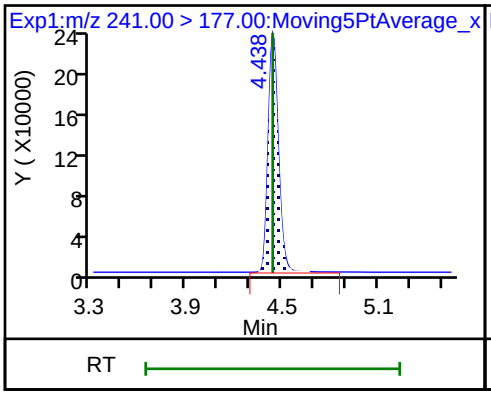
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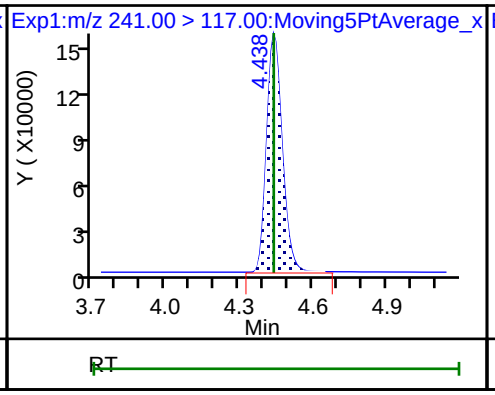
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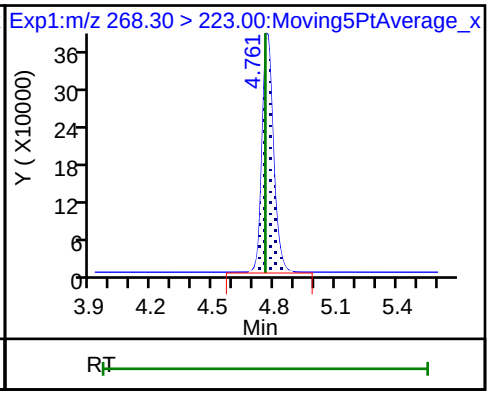
7 3:3 FTCA



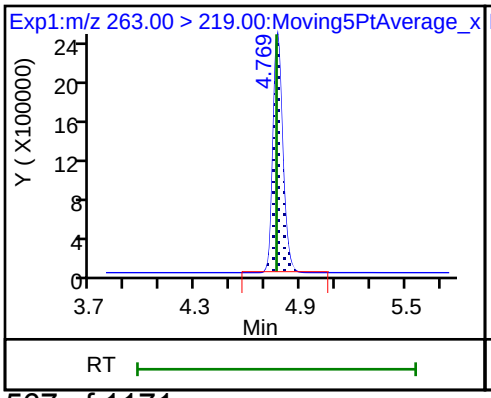
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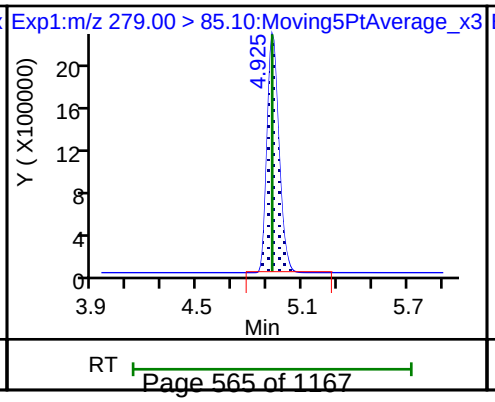
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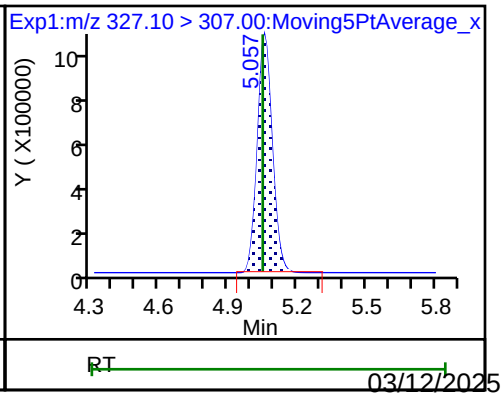
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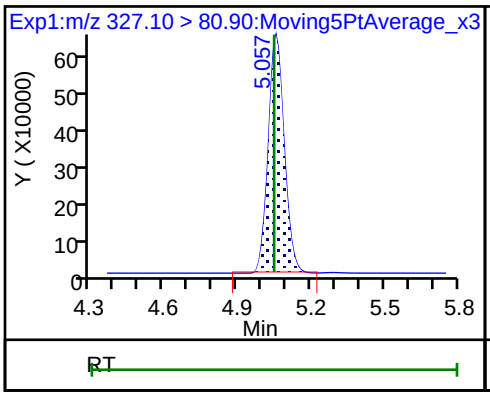
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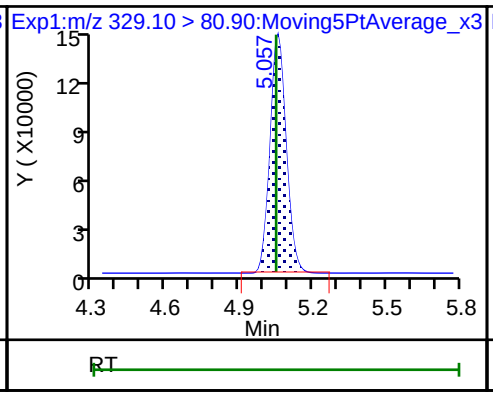
11 4:2FTS



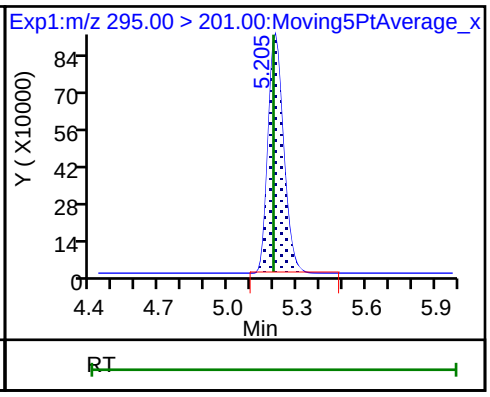
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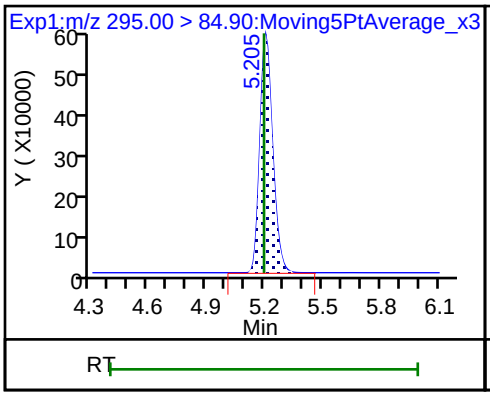
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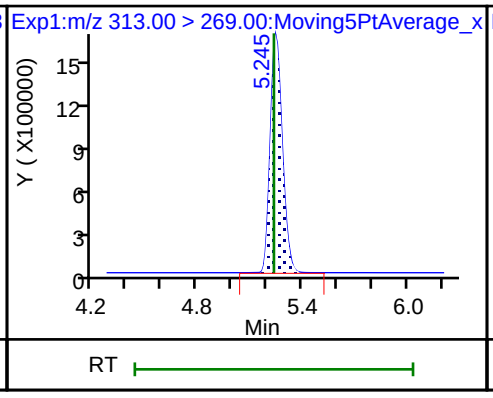
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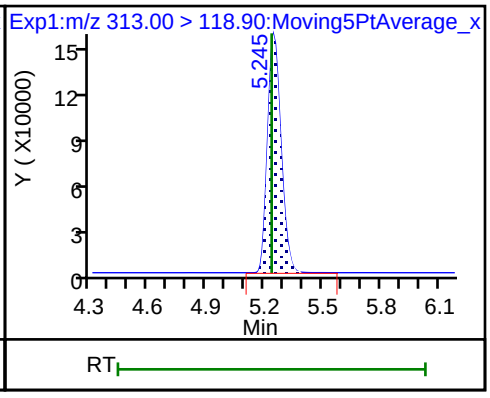
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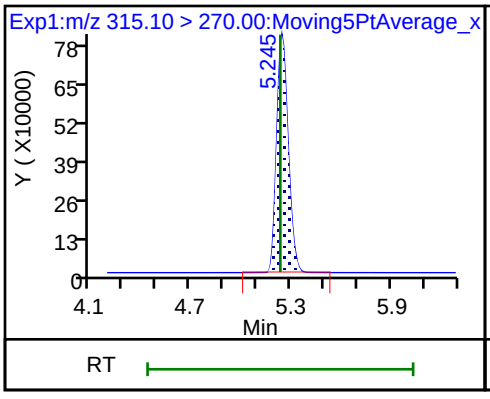
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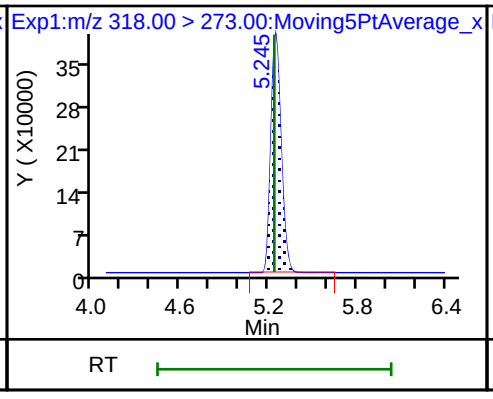
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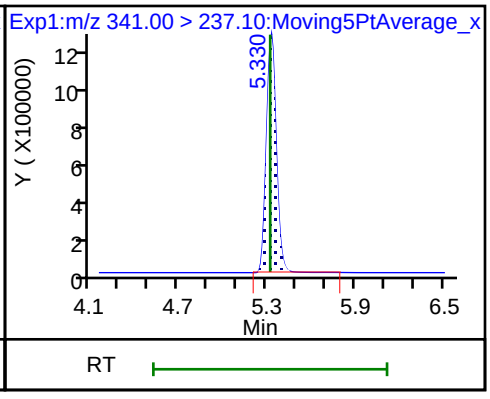
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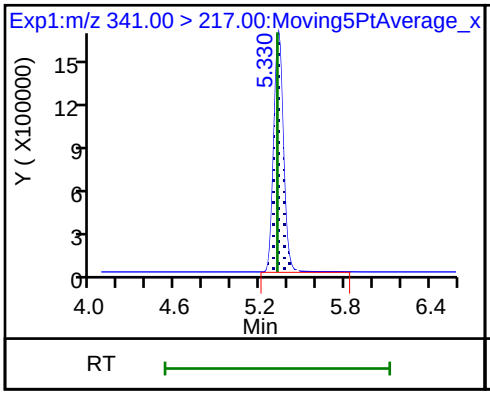
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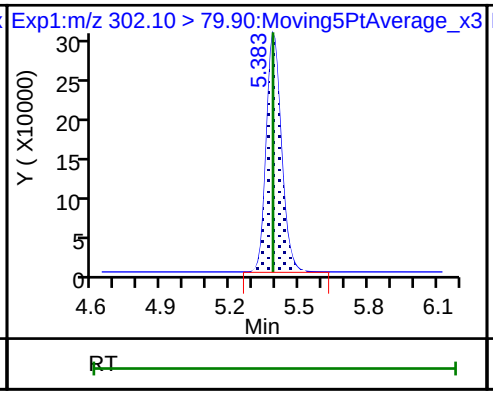
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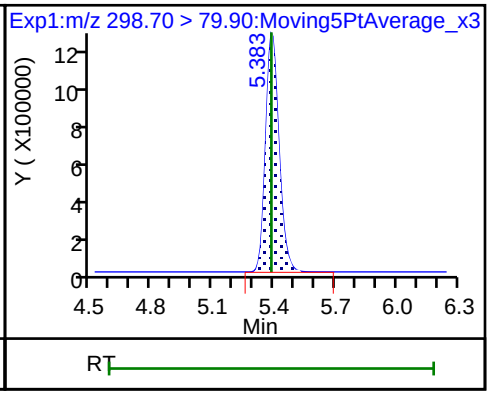
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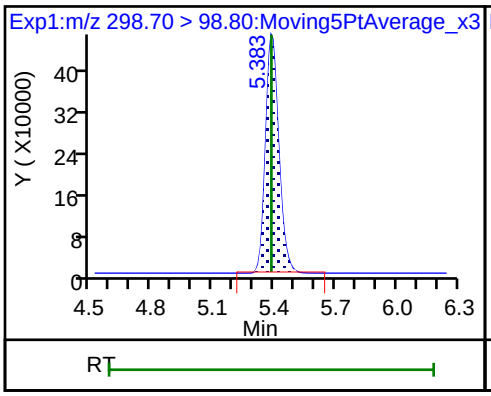
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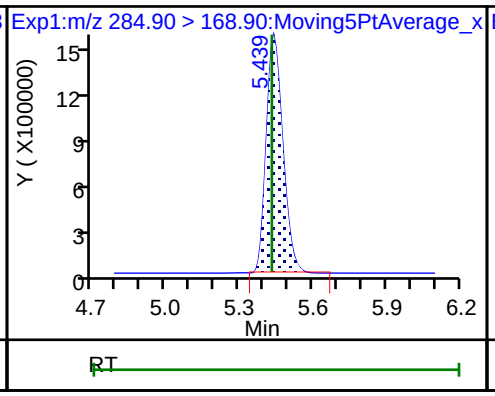
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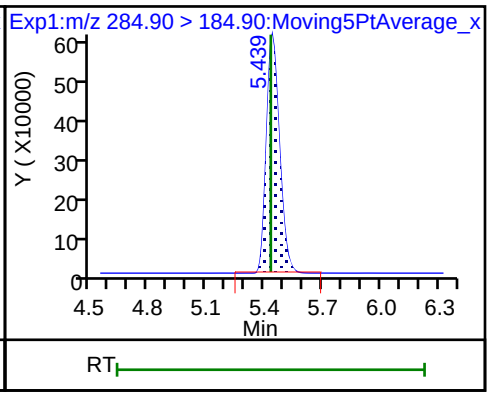
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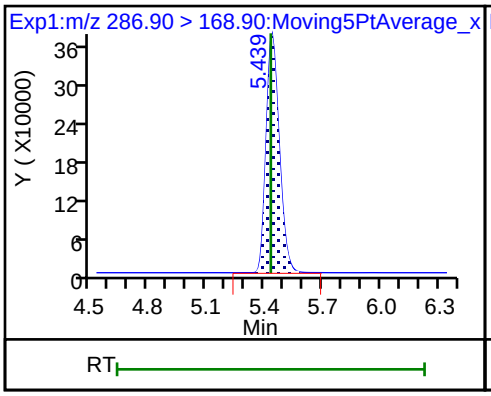
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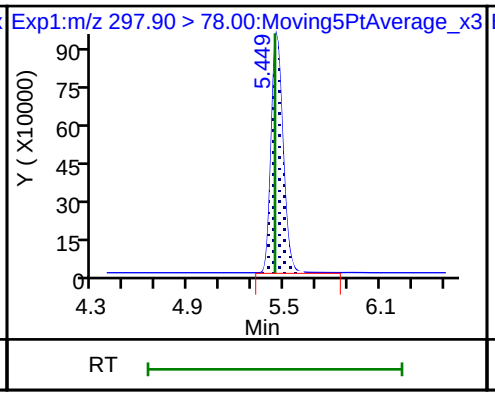
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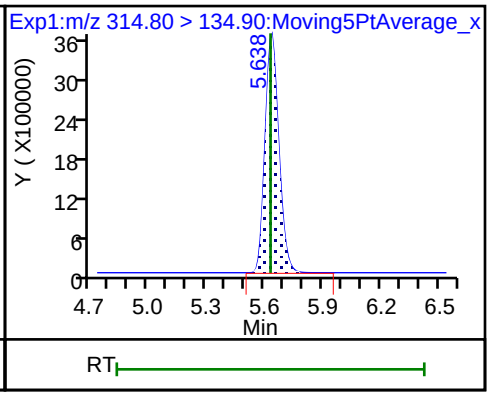
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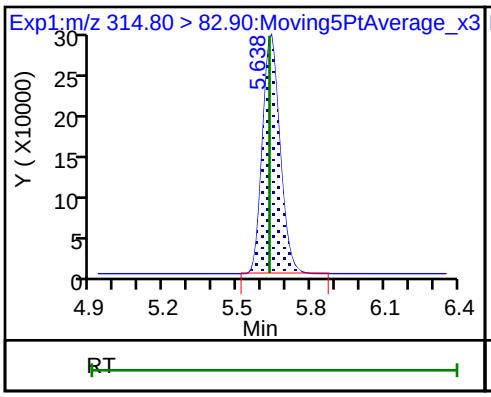
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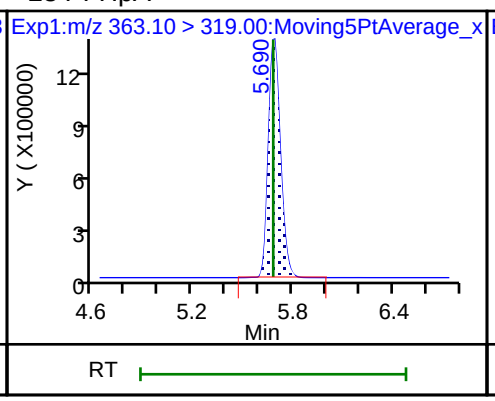
26 PFEESA



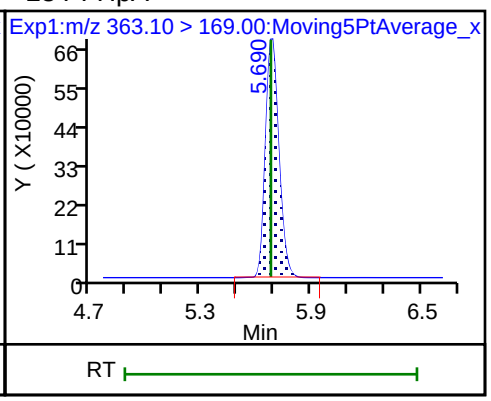
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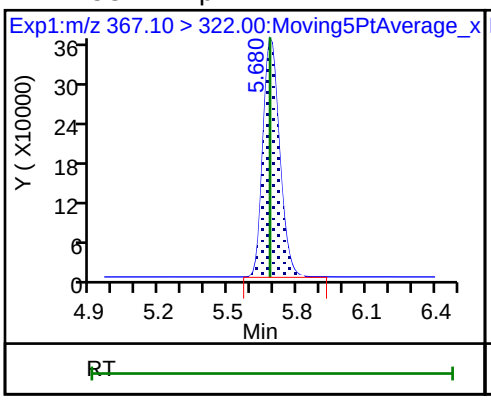
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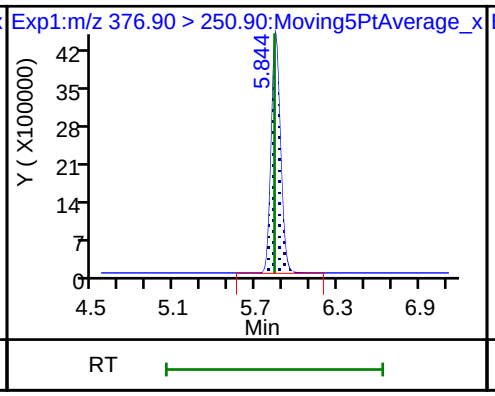
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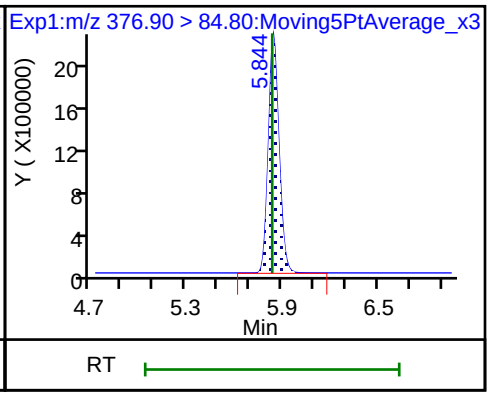
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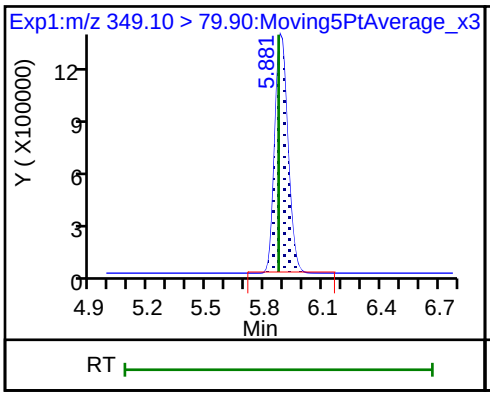
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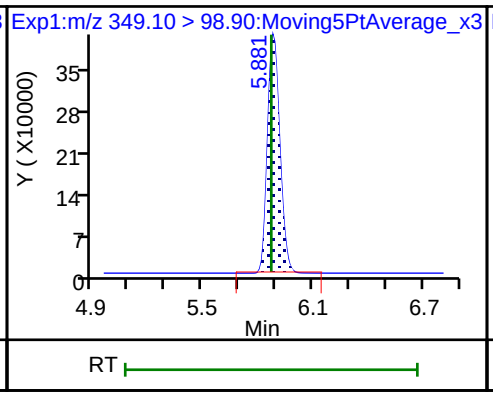
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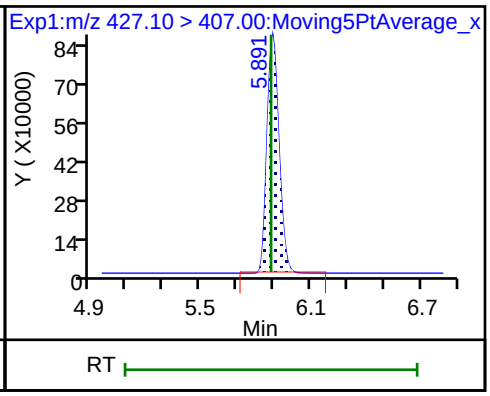
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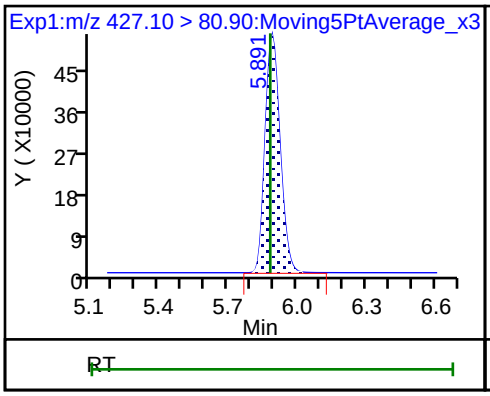
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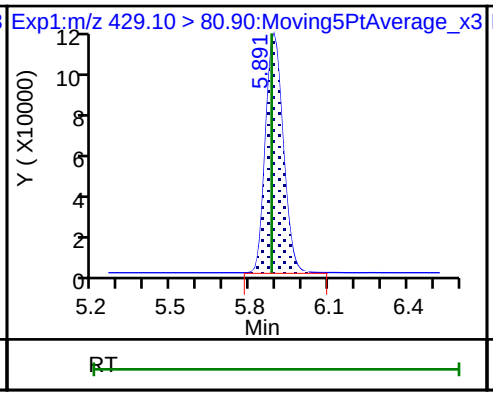
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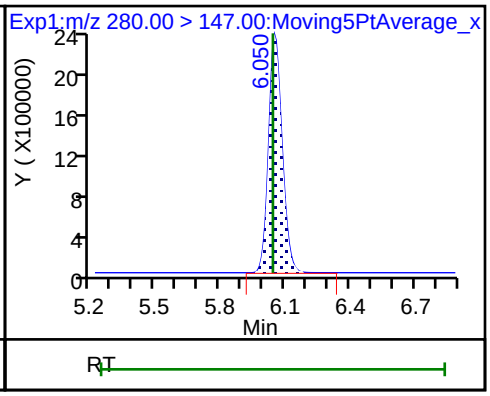
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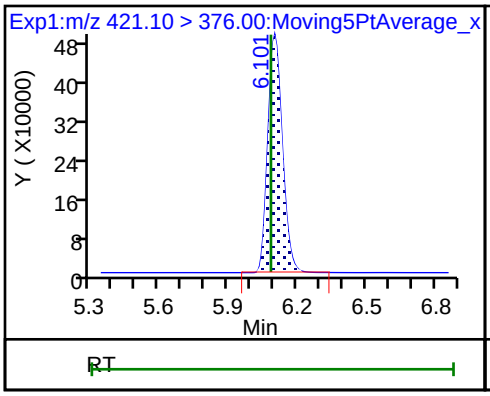
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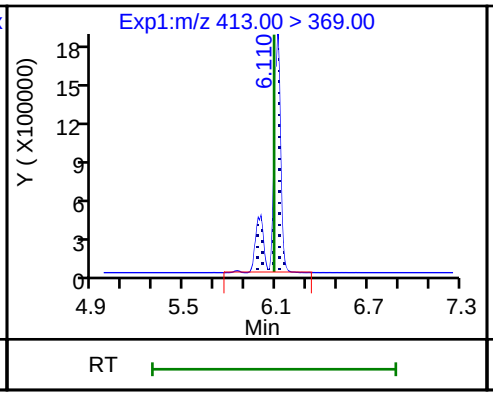
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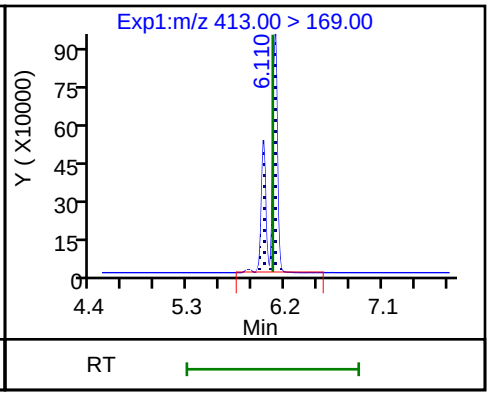
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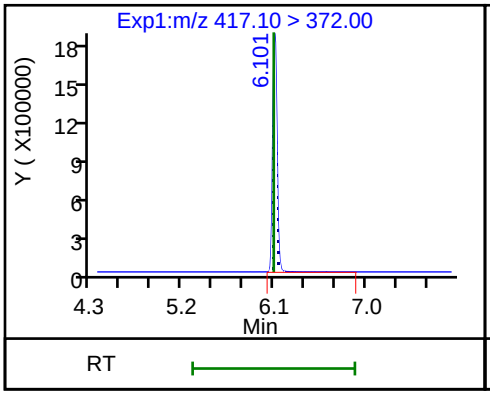
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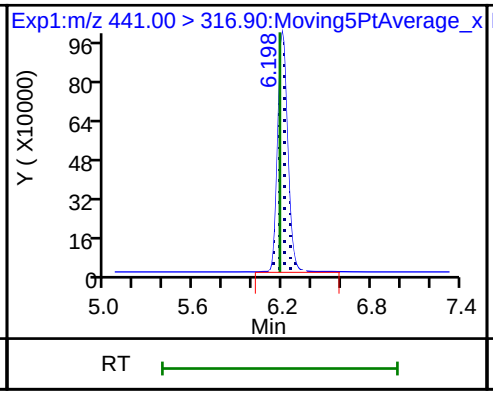
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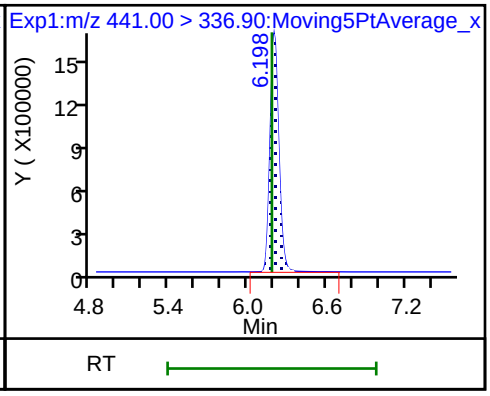
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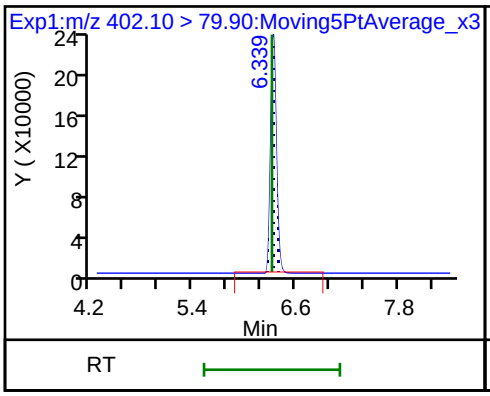
37 7:3 FTCA



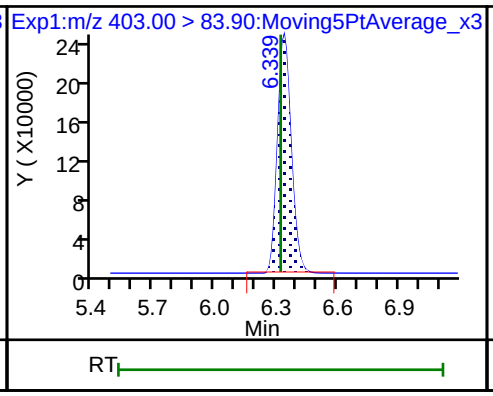
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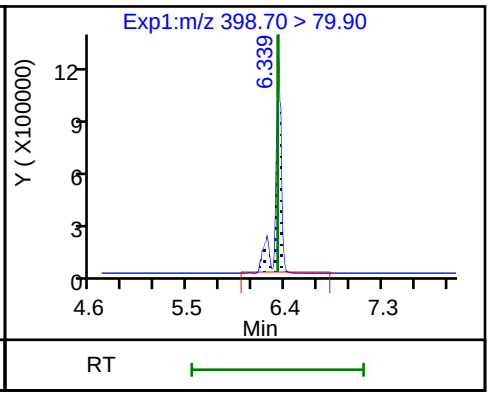
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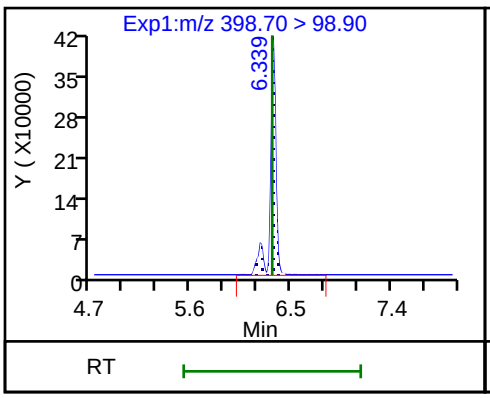
* 38 18O2 PFHxS



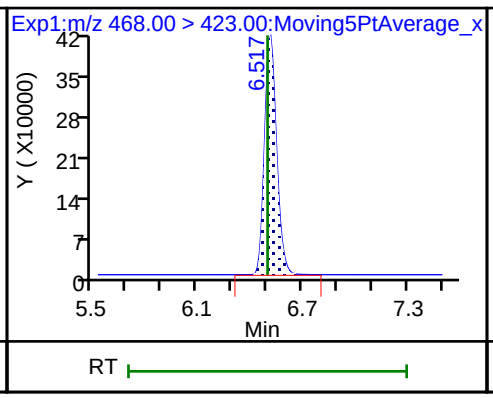
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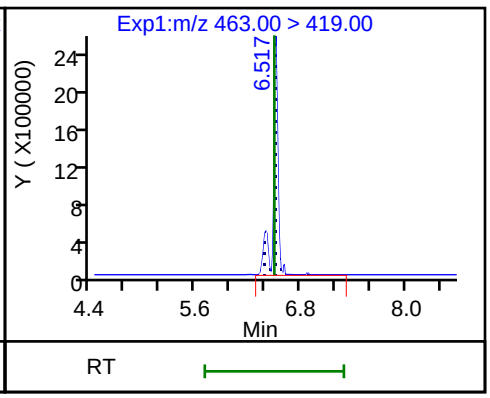
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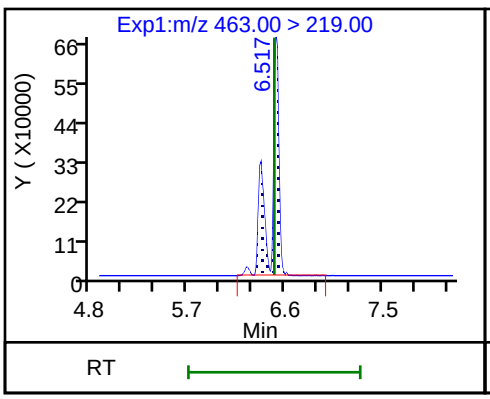
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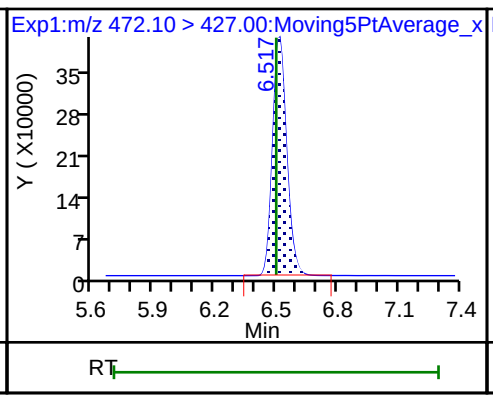
43 PFNA



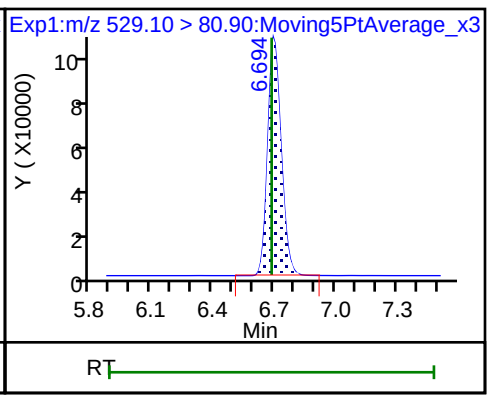
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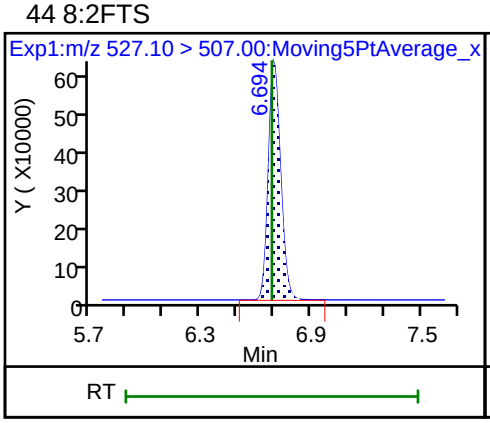
D 42 13C9 PFNA



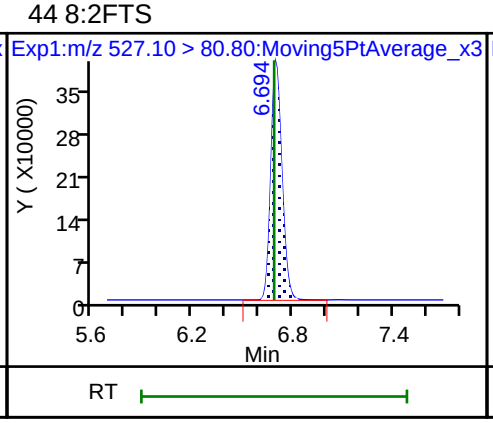
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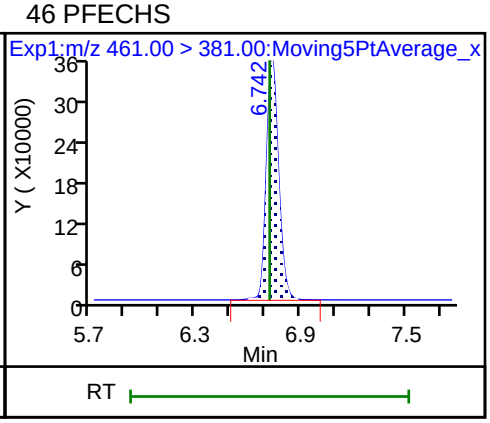
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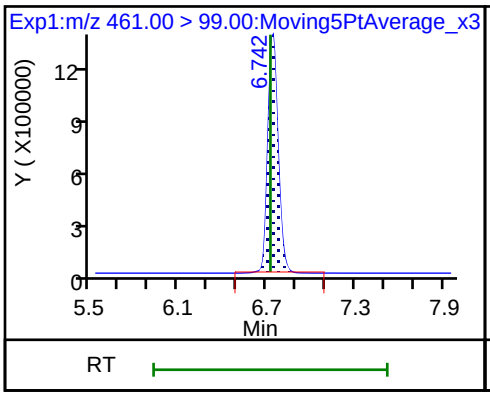
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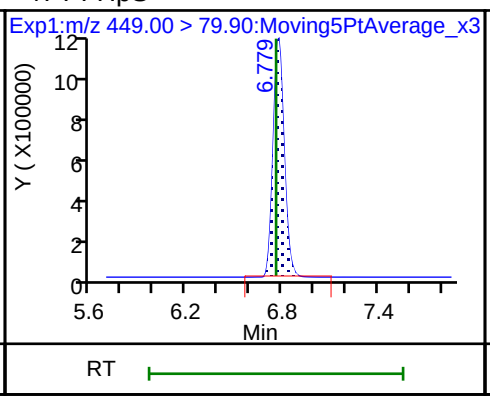
46 PFECHS



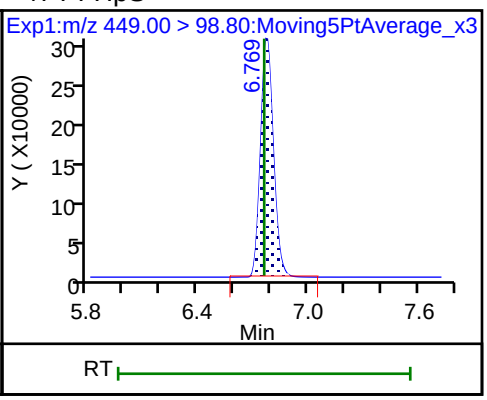
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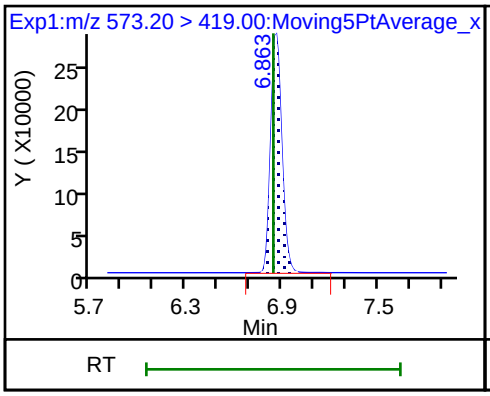
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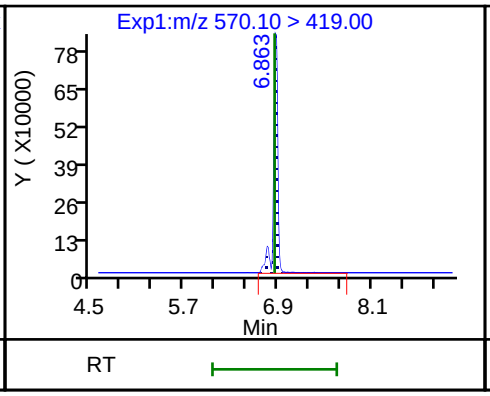
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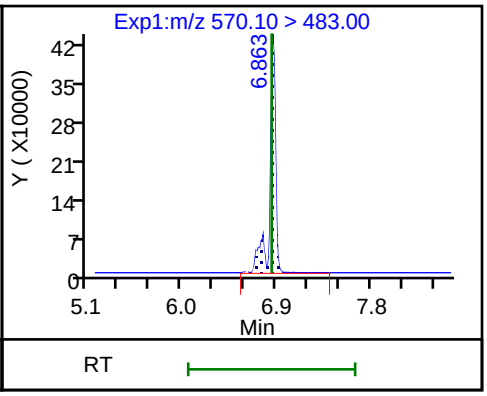
D 48 d3-NMeFOSAA



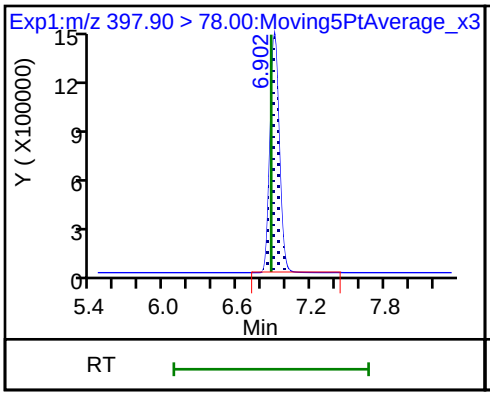
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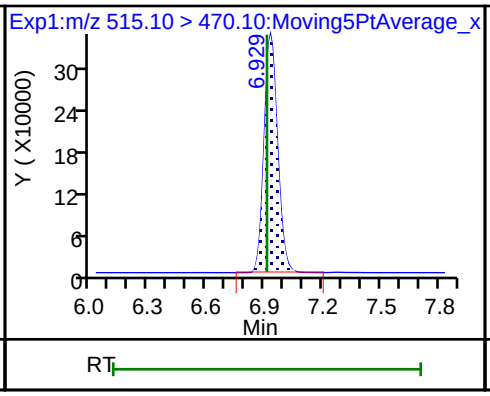
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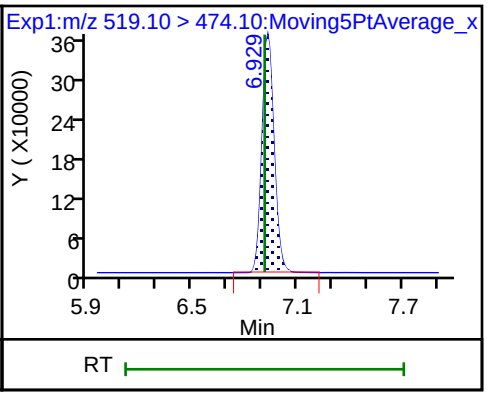
53 FHxSA



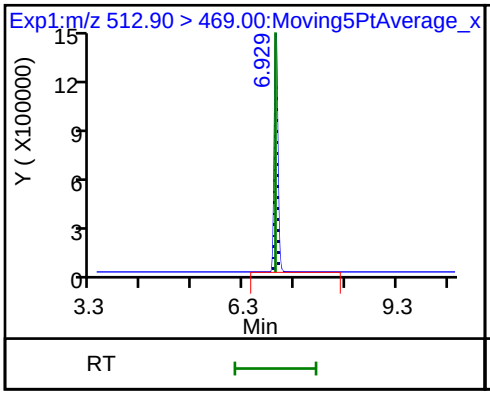
* 50 13C2 PFDA



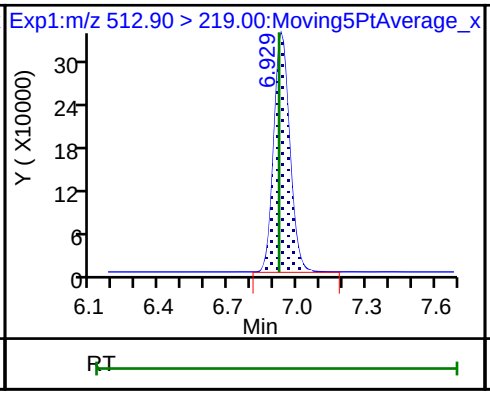
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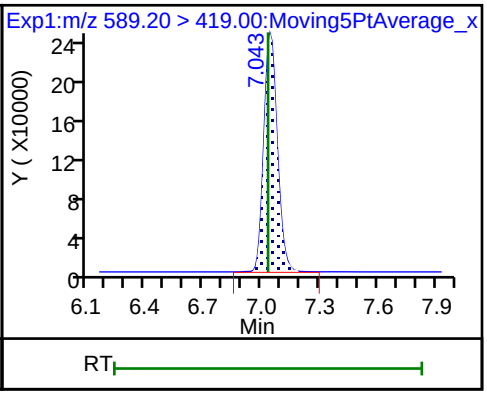
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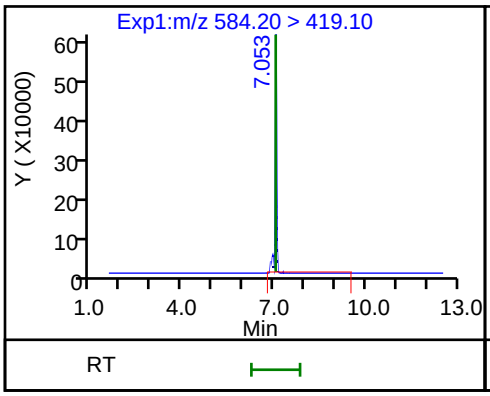
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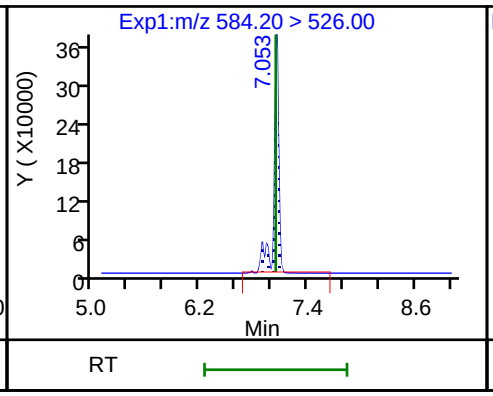
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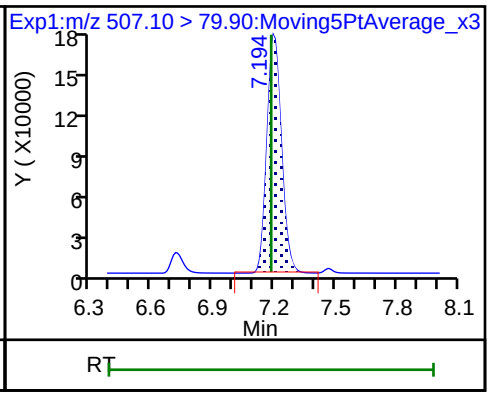
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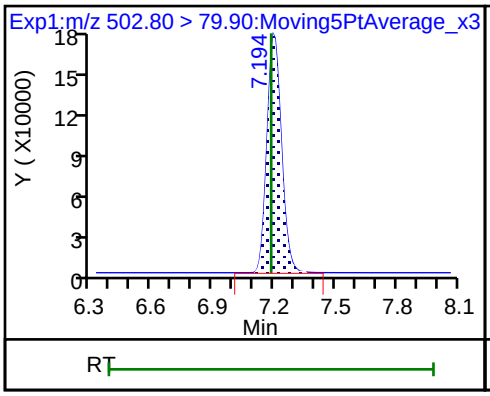
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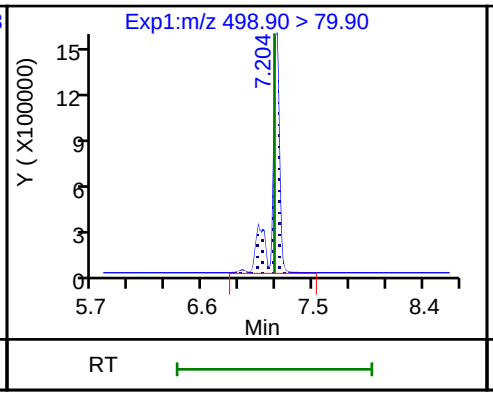
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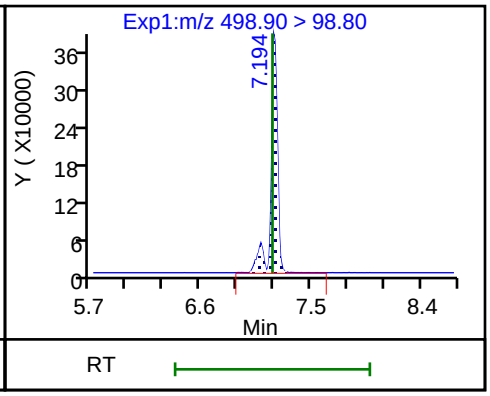
* 57 13C4 PFOS



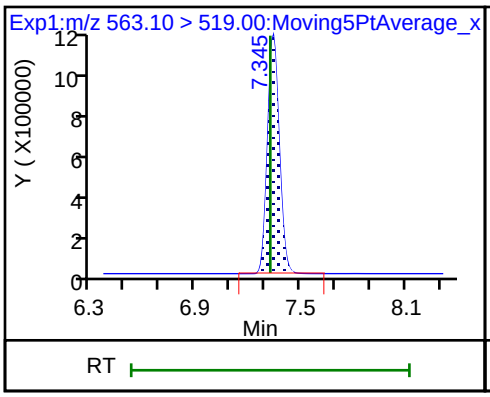
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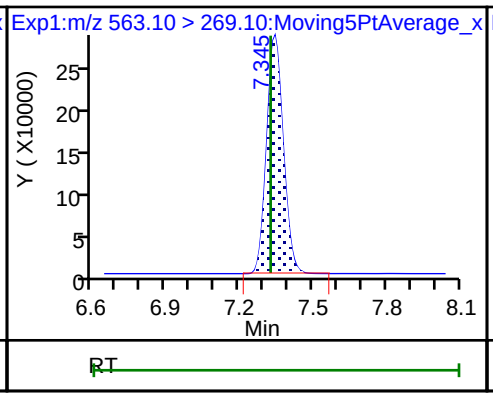
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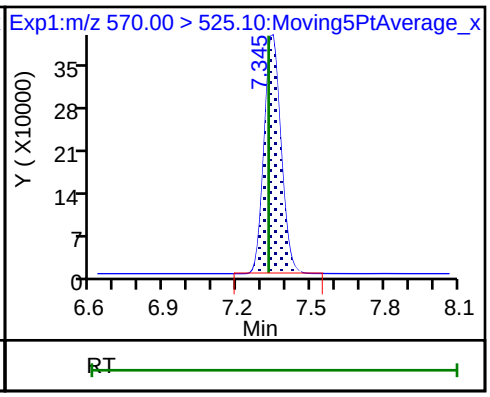
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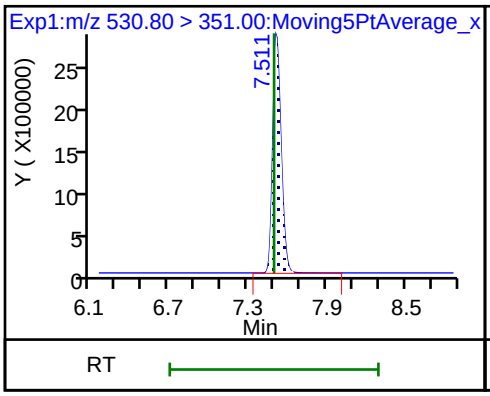
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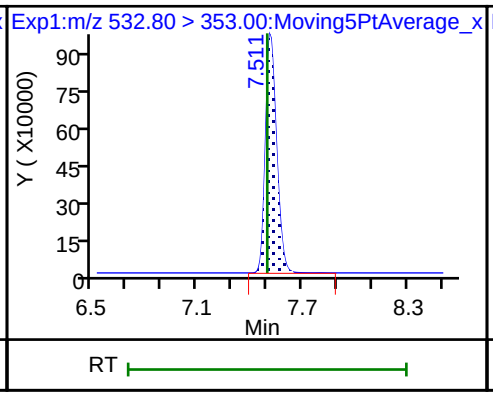
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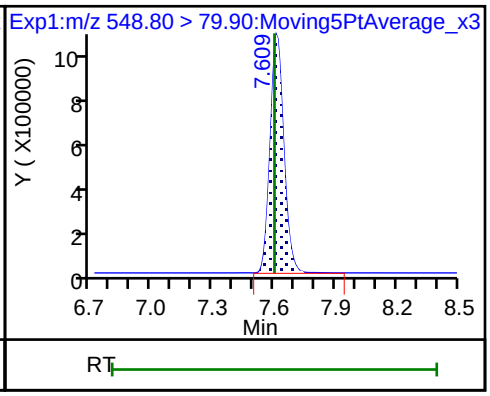
61 9ClFOS



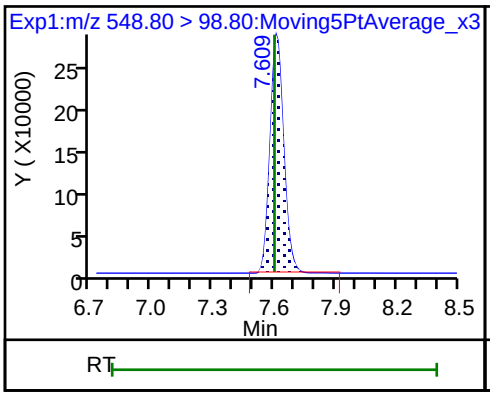
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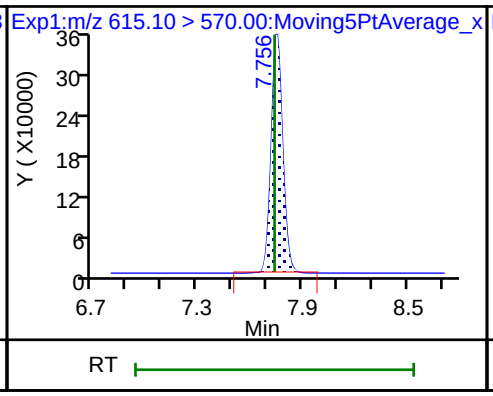
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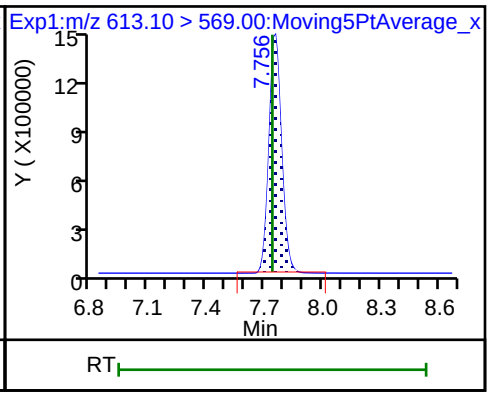
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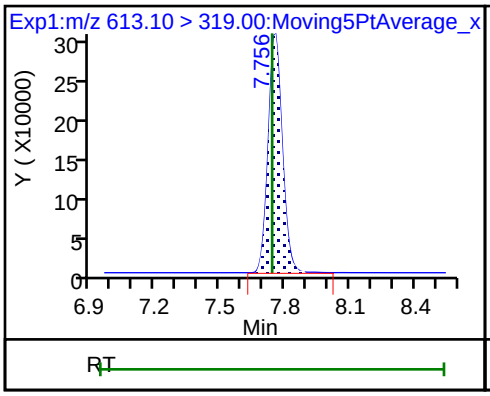
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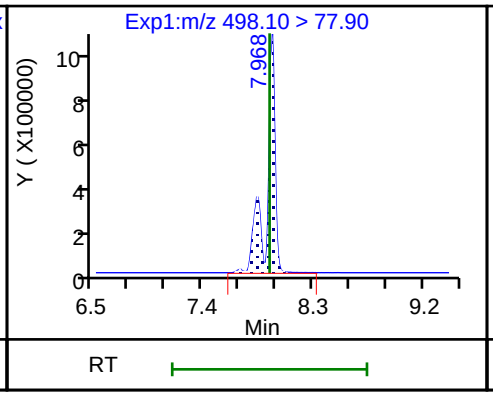
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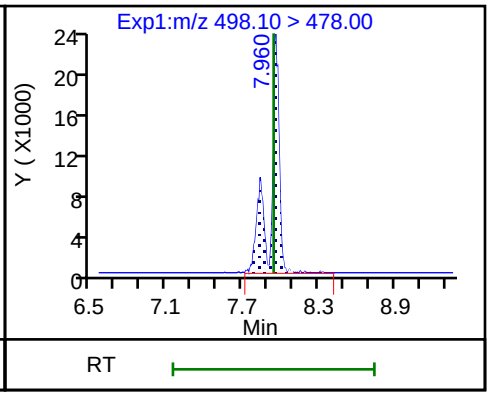
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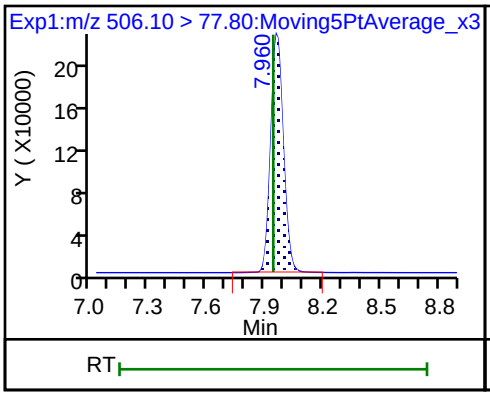
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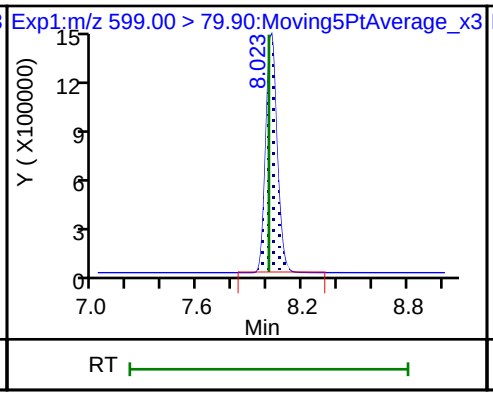
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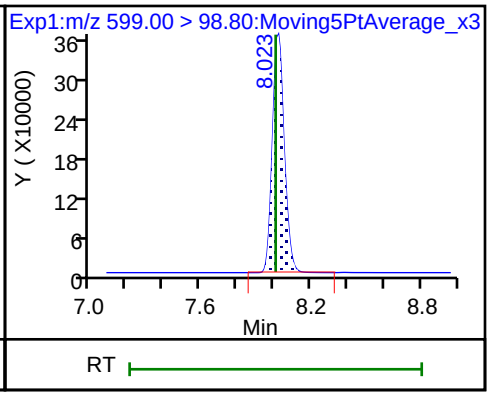
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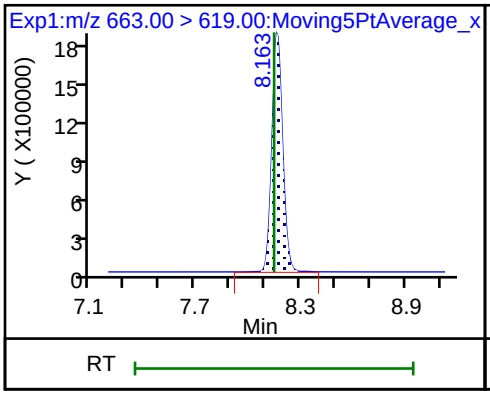
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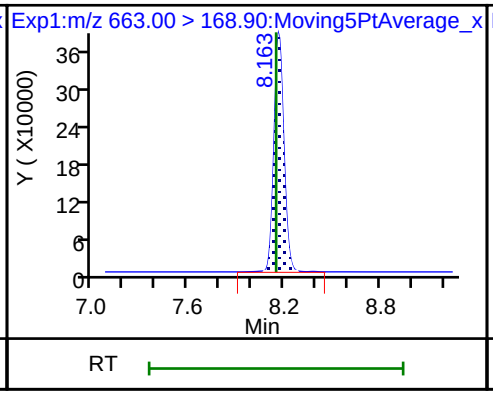
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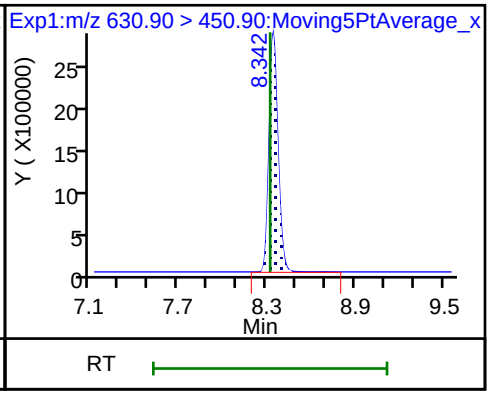
67 PFTrDA



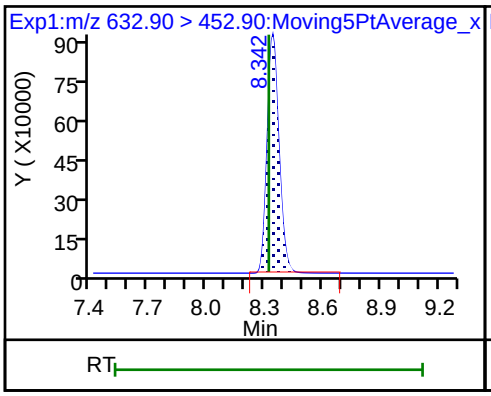
67 PFTrDA



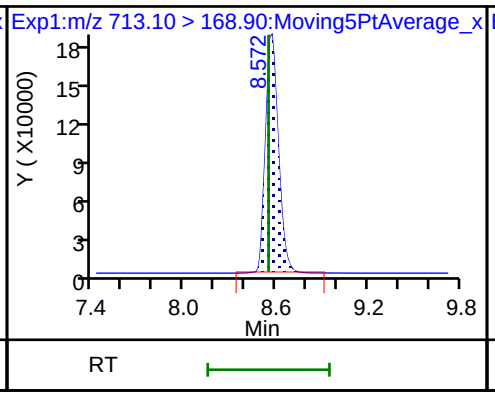
68 11ClFOS



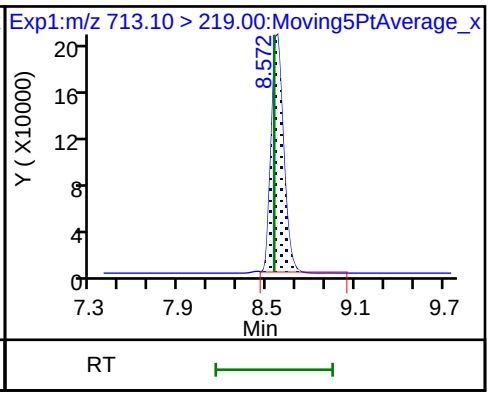
68 11ClFOS



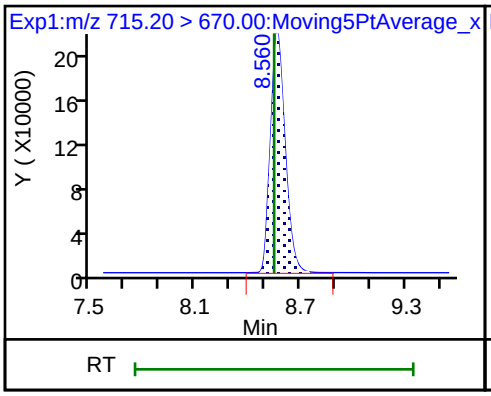
70 PFTeDA



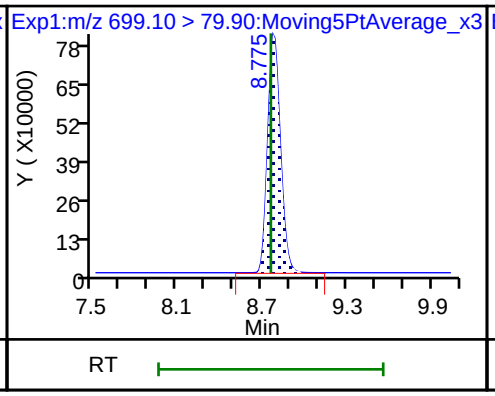
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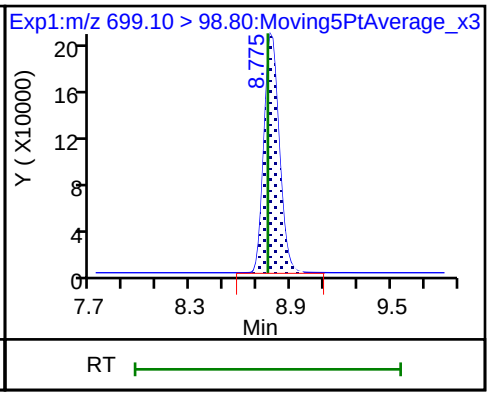
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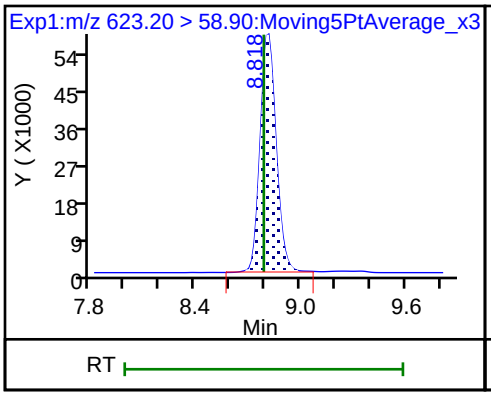
71 PFDoS



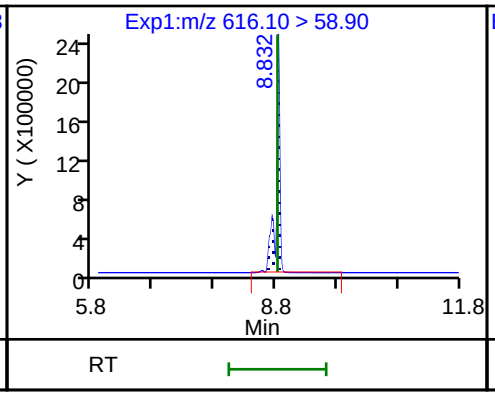
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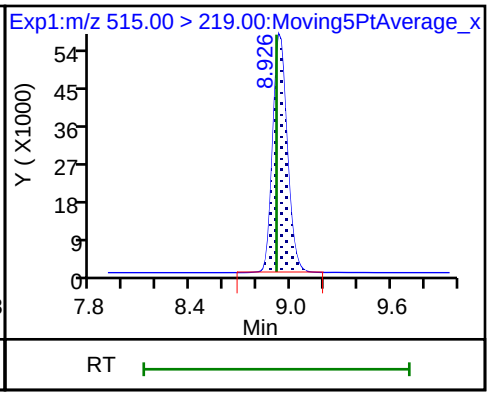
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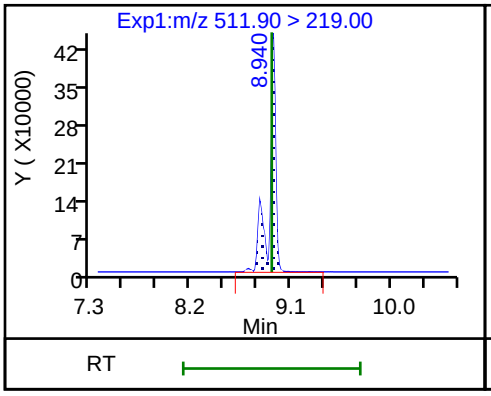
73 N-MeFOSE-M



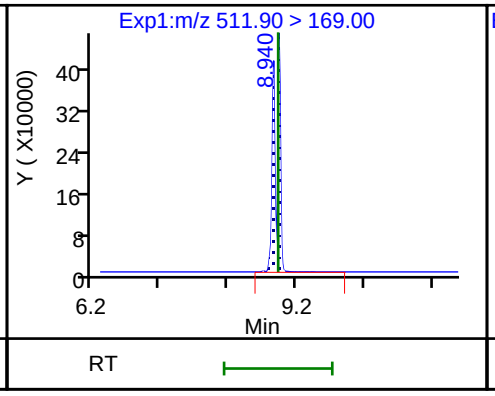
D 74 d3-NMePFOSA



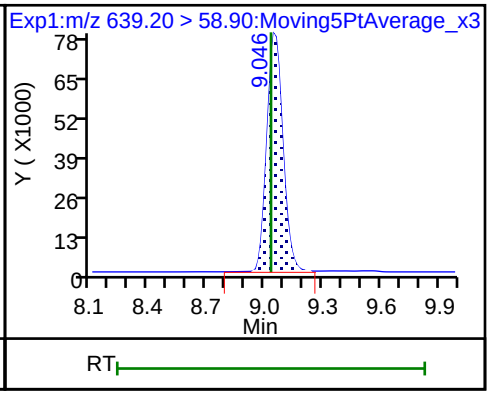
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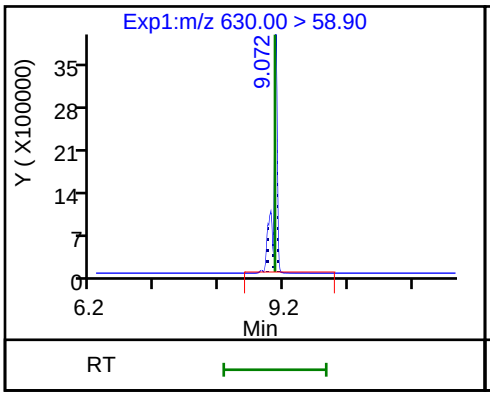
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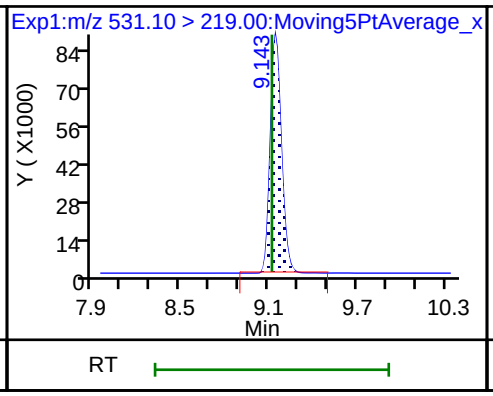
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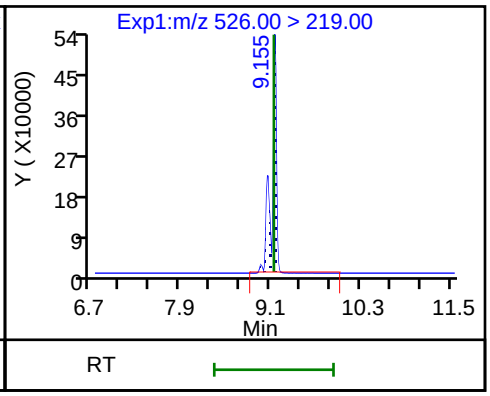
77 N-EtFOSE-M



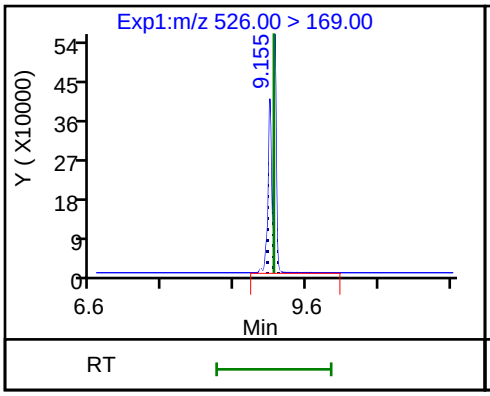
D 78 d5-NEtPFOSA



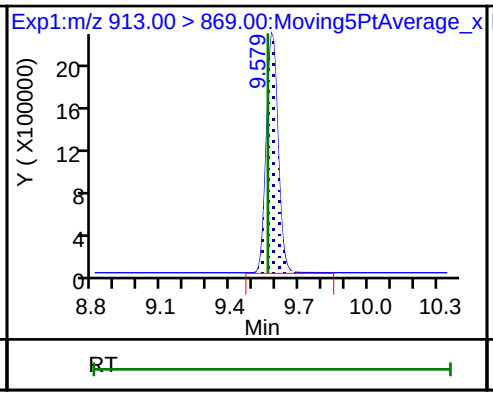
79 N-EtFOSA-M



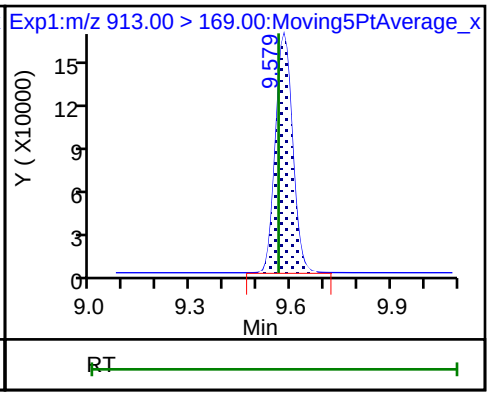
79 N-EtFOSA-M



80 Perfluorooctadecanoic acid



80 Perfluorooctadecanoic acid



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\25MAR06CAL-08.d
Lims ID: IC CAL 8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 06-Mar-2025 20:48:33 ALS Bottle#: 9 Worklist Smp#: 8
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: CAL 8
Misc. Info.: Plate: 1 Rack: 1
Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570
Sublist: chrom-30570-1633-125ml*sub2

Method: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\30570-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 07-Mar-2025 18:46:15 Calib Date: 06-Mar-2025 20:48:33
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\25MAR06CAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1645

First Level Reviewer: RPU6 Date: 06-Mar-2025 21:25:00
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C3PFPrA										
166.00 > 121.00	2.009	2.026	-0.017	0.486	1450895	3.11		155	335	
5 PFBA										
212.80 > 168.90	4.126	4.119	0.007	1.000	47813647	95.4		95.4	64613	
D 3 13C4-PFBA										
216.80 > 171.90	4.126	4.119	0.007	0.998	1068837	1.92		96.1	30352	
* 4 13C3PFBA										
216.00 > 172.00	4.134	4.127	0.007		1034944	2.00			1349	
D 8 13C5 PFPeA										
268.30 > 223.00	4.761	4.755	0.006	0.908	1027937	1.71		85.4	65945	
9 PFPA										
263.00 > 219.00	4.769	4.762	0.007	1.002	27912864	44.6		89.3	440676	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.057	5.049	0.008	0.799	619835	5.61		120	34884	
17 PFHxA										
313.00 > 269.00	5.245	5.236	0.009	1.000	28113077	48.1	Target=10.95	96.1	724208	
313.00 > 118.90	5.245	5.236	0.009	1.000	2421665		11.61(5.48-16.43)	96.1	124384	
* 16 13C2 PFHxA										
315.10 > 270.00	5.245	5.236	0.009		3010310	5.00			123390	
D 15 13C5 PFHxA										
318.00 > 273.00	5.245	5.236	0.009	1.000	1425840	1.76		88.1	72755	
D 20 13C3 PFBS										
302.10 > 79.90	5.384	5.385	-0.001	0.850	938952	1.74		93.3	67347	
19 PFBS										
298.70 > 79.90	5.384	5.385	-0.001	1.000	18917323	41.9	Target=2.90	94.3	820869	
298.70 > 98.80	5.384	5.385	-0.001	1.000	6569172		2.88(1.45-4.35)	94.3	352999	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
21 HFPO-DA										
284.90 > 168.90	5.440	5.431	0.009	1.000	31672210	42.9	Target=2.63	85.8	168497	
284.90 > 184.90	5.440	5.431	0.009	1.000	12052088		2.63(1.32-3.95)	85.8	311078	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.440	5.431	0.009	1.037	1364161	1.86		93.0	70465	
28 PFHpA										
363.10 > 319.00	5.681	5.681	0.0	1.000	26070608	55.6	Target=1.89	111	432803	
363.10 > 169.00	5.681	5.681	0.0	1.000	12460197		2.09(0.95-2.84)	111	616950	
D 27 13C4 PFHpA										
367.10 > 322.00	5.681	5.681	0.0	1.083	1283982	1.67		83.7	84737	
29 ADONA										
376.90 > 250.90	5.837	5.836	0.001	1.073	41672715	24.9	Target=2.13	70.1	1481795	
376.90 > 84.80	5.837	5.836	0.001	1.073	21228563		1.96(1.07-3.20)	70.1	765651	
30 PFPeS										
349.10 > 79.90	5.882	5.872	0.010	0.929	20704788	41.6	Target=3.41	88.6	1097042	
349.10 > 98.90	5.882	5.872	0.010	0.929	6156015		3.36(1.70-5.11)	88.6	435853	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.892	5.882	0.010	0.931	347987	3.77		79.2	24709	
D 34 13C8 PFOA										
421.10 > 376.00	6.094	6.085	0.009	1.000	1649211	1.96		97.8	91624	
36 PFOA										
413.00 > 369.00	6.103	6.085	0.018	1.001	23727609	49.3	Target=1.63	98.5	237764	
413.00 > 169.00	6.103	6.085	0.018	1.001	14325281		1.66(0.82-2.45)	98.5	31200	
* 35 13C4 PFOA										
417.10 > 372.00	6.094	6.093	0.001		4251573	5.00			1531429	
D 39 13C3 PFHxS										
402.10 > 79.90	6.332	6.321	0.011	1.000	784982	1.88		99.4	54746	
* 38 18O2 PFHxS										
403.00 > 83.90	6.332	6.321	0.011		814416	1.89			56947	
40 PFHxS										
398.70 > 79.90	6.332	6.330	0.002	1.000	16814905	45.1	Target=3.32	98.8	20487	
398.70 > 98.90	6.332	6.330	0.002	1.000	5138696		3.27(1.66-4.98)	98.8	1449107	
D 42 13C9 PFNA										
472.10 > 427.00	6.509	6.499	0.010	1.000	1462646	1.95		97.4	38330	
* 41 13C5 PFNA										
468.00 > 423.00	6.509	6.499	0.010		1532727	2.00			79908	
43 PFNA										
463.00 > 419.00	6.519	6.499	0.020	1.001	28577257	44.5	Target=2.60	88.9	1896917	
463.00 > 219.00	6.519	6.499	0.020	1.001	11262757		2.54(1.30-3.91)	88.9	2228714	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.696	6.686	0.010	1.058	417568	5.37		112	30862	
47 PFHpS										
449.00 > 79.90	6.771	6.760	0.011	0.941	19184946	45.4	Target=3.90	95.3	568615	
449.00 > 98.80	6.771	6.760	0.011	0.941	4844764		3.96(1.95-5.85)	95.3	249653	
D 48 d3-NMeFOSAA										
573.20 > 419.00	6.854	6.843	0.011	0.953	1160316	5.37		107	60731	
* 50 13C2 PFDA										
515.10 > 470.10	6.921	6.911	0.010		1713110	2.00			91124	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 51 13C6 PFDA										
519.10 > 474.10	6.921	6.911	0.010	1.000	1686993	1.93		96.5	89652	
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.043	7.033	0.010	0.979	933364	5.11		102	64097	
D 56 13C8 PFOS										
507.10 > 79.90	7.195	7.184	0.011	1.000	622154	1.84		96.2	30887	
* 57 13C4 PFOS										
502.80 > 79.90	7.195	7.184	0.011		646032	1.91			43492	
58 PFOS										
498.90 > 79.90	7.195	7.184	0.011	1.000	22152137	46.6	Target=4.37	100	447652	
498.90 > 98.80	7.205	7.184	0.021	1.001	4866394		4.55(2.18-6.55)	100	17876	
D 59 13C7 PFUnA										
570.00 > 525.10	7.336	7.326	0.010	1.060	1761603	1.93		96.7	75173	
D 81 13C2 PFDoA										
615.10 > 570.00	7.748	7.739	0.009	1.119	1505425	1.92		96.0	83643	
D 65 13C8 FOSA										
506.10 > 77.80	7.960	7.944	0.016	1.106	880220	2.43		122	48497	
D 69 13C2 PFTeDA										
715.20 > 670.00	8.560	8.548	0.012	1.237	1059869	1.90		95.2	61369	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.803	8.789	0.014	1.223	321748	6.19		124	6332	
D 74 d3-NMePFOSA										
515.00 > 219.00	8.925	8.913	0.012	1.241	284322	2.39		119	15880	
D 76 d9-N-EtFOSE										
639.20 > 58.90	9.045	9.032	0.013	1.257	388966	5.96		119	8414	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.130	9.119	0.011	1.269	396273	2.43		121	18663	

QC Flag Legend

Processing Flags

Reagents:

1633_125_CAL8_00017 Amount Added: 1.00 Units: mL

Report Date: 07-Mar-2025 18:46:16 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\25MAR06CAL-08.d

Injection Date: 06-Mar-2025 20:48:33 Instrument ID: 30570

Lims ID: IC CAL 8

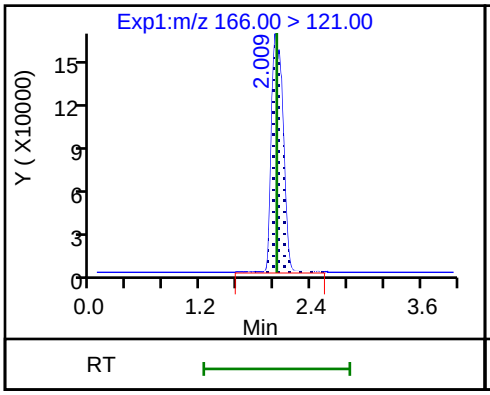
Client ID:

Operator ID: ETUS023_USR_INS00003 ALS Bottle#: 9 Worklist Smp#: 8

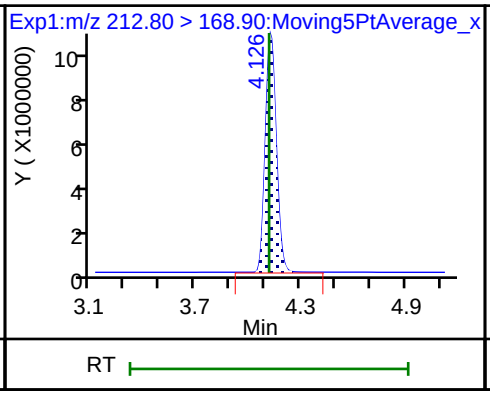
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 30570-1633-125ml Limit Group: LC - 1633 LVI- ICAL

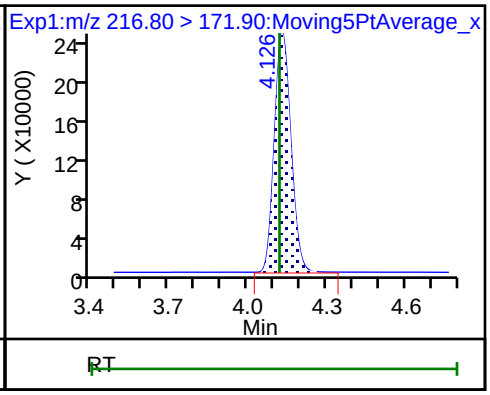
D 1 13C3PFPrA



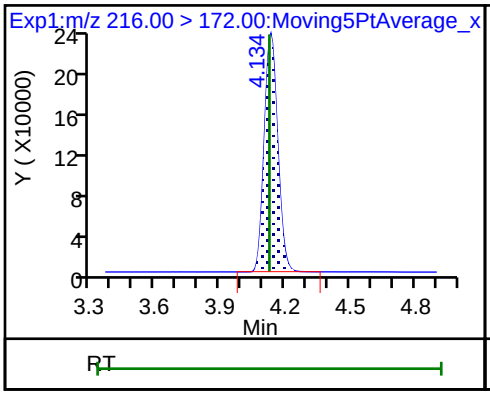
5 PFBA



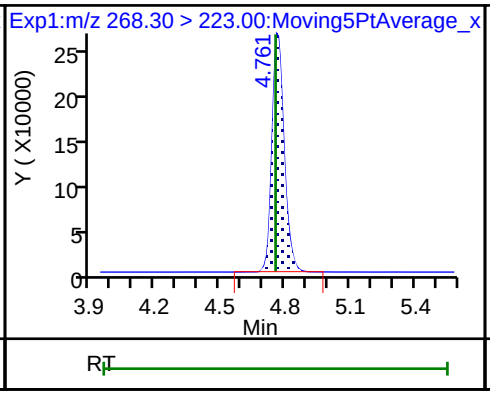
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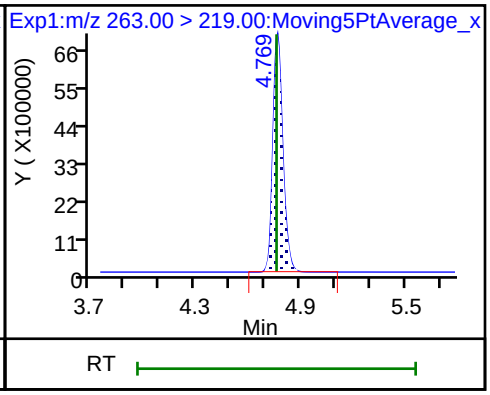
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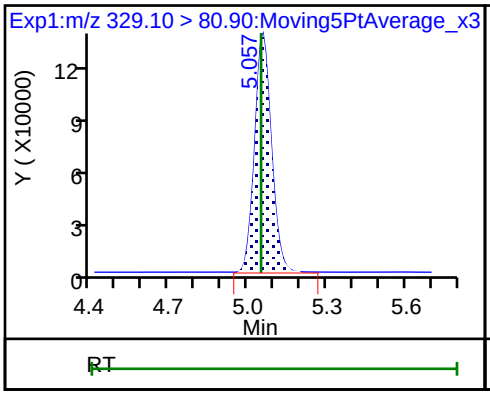
D 8 13C5 PFPeA



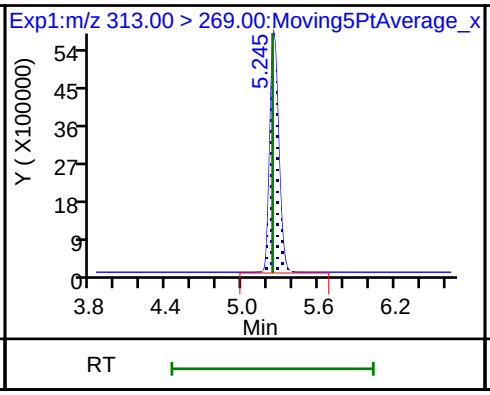
9 PFPA



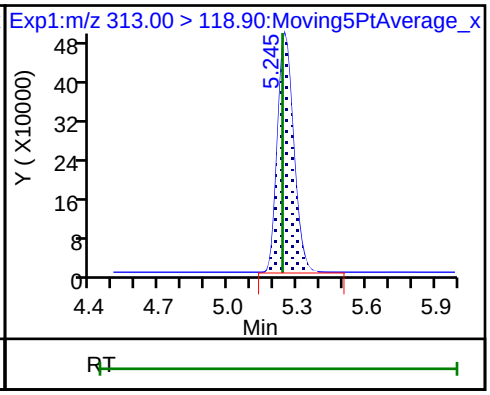
D 13 13C2-4:2FTS



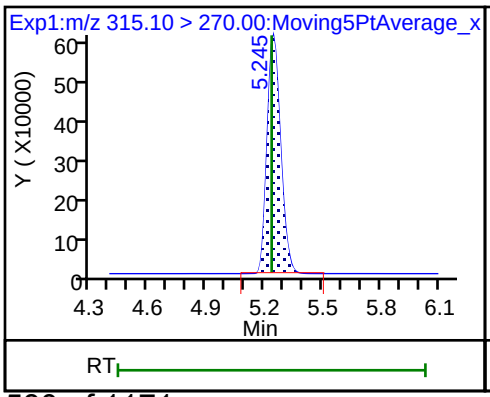
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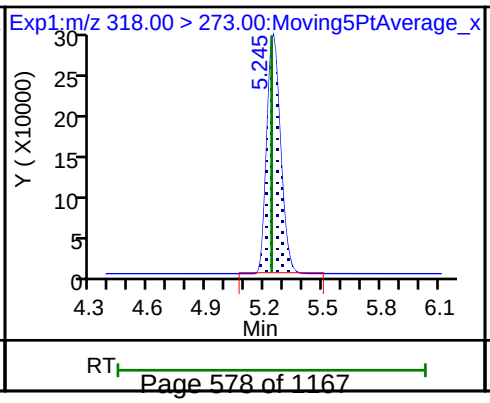
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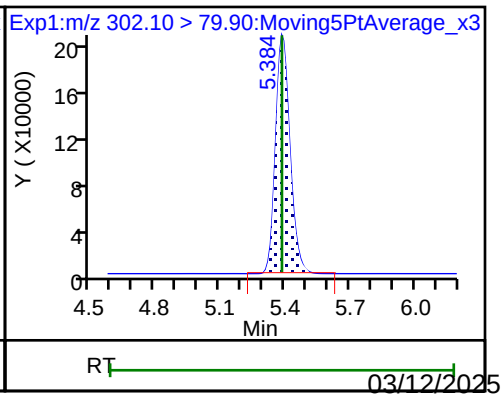
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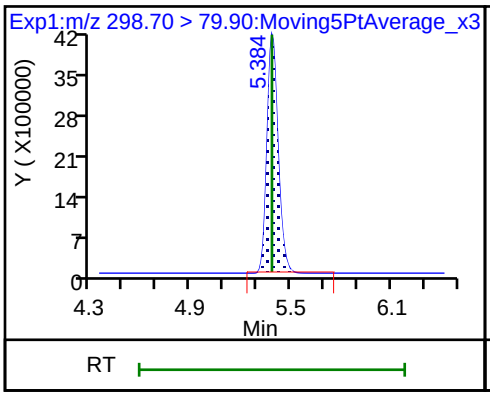
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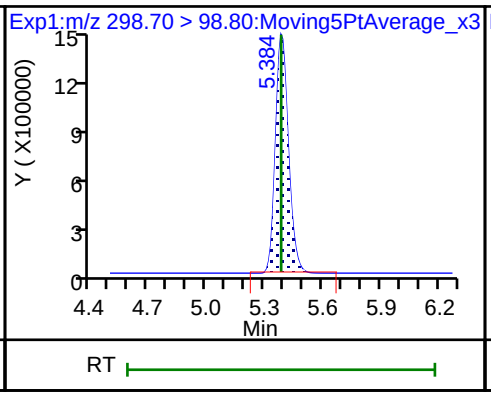
D 20 13C3 PFBS



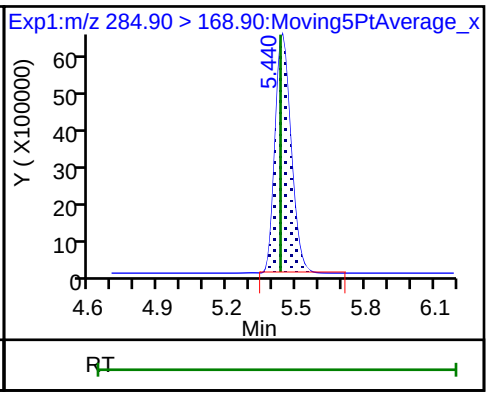
19 PFBS



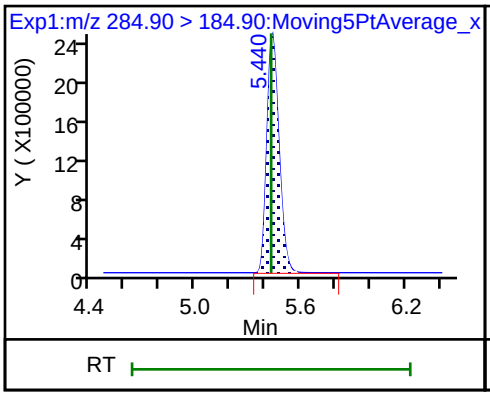
19 PFBS



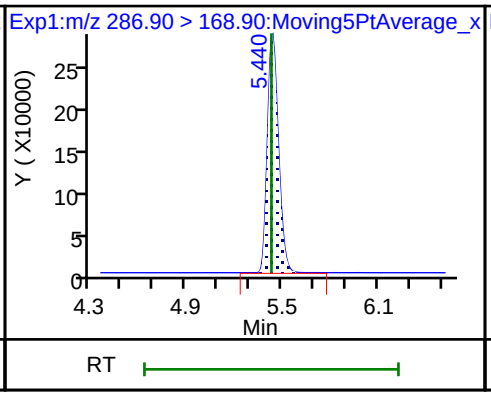
21 HFPO-DA



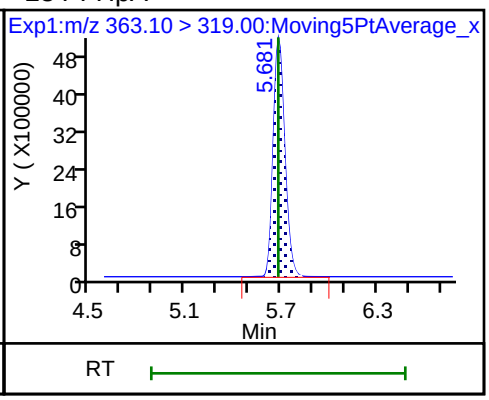
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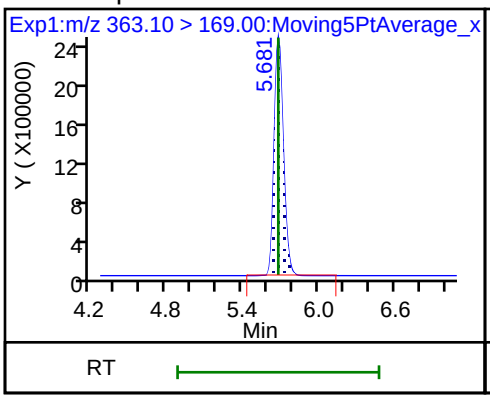
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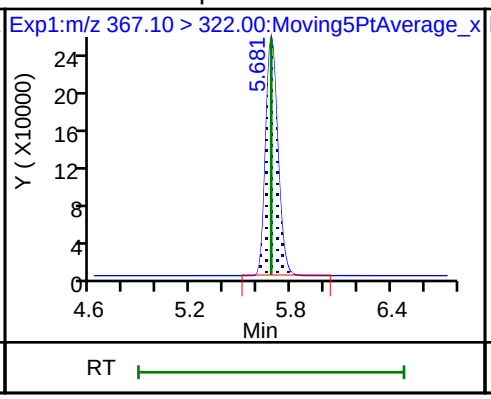
28 PFHpA



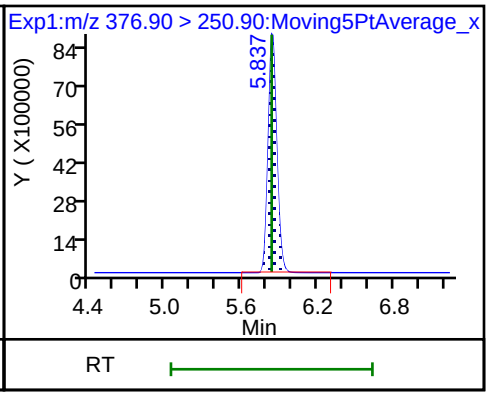
28 PFHpA



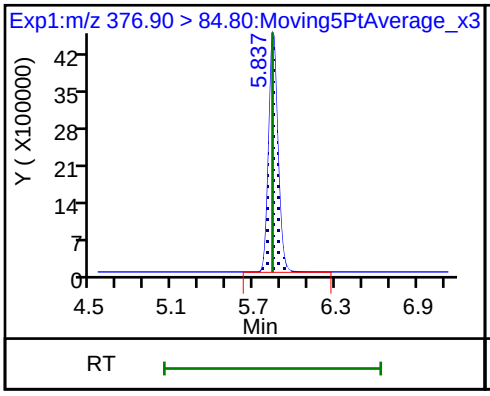
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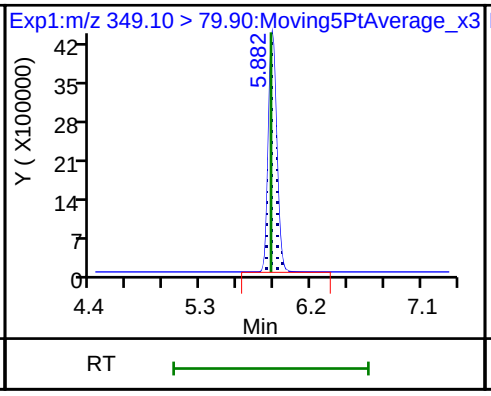
29 ADONA



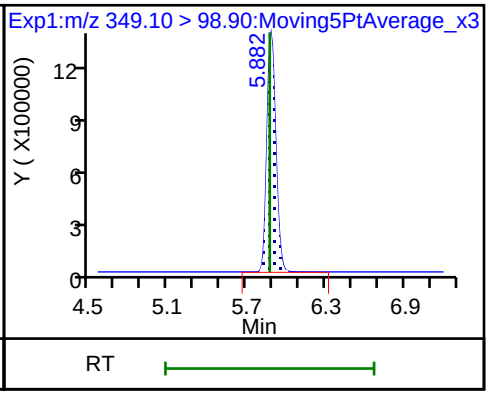
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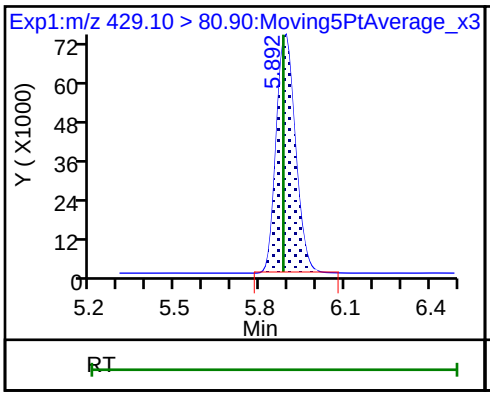
30 PFPeS



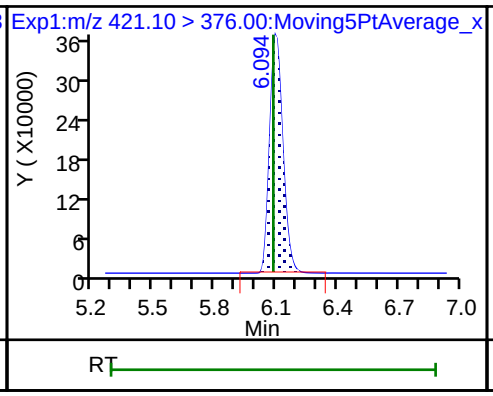
30 PFPeS



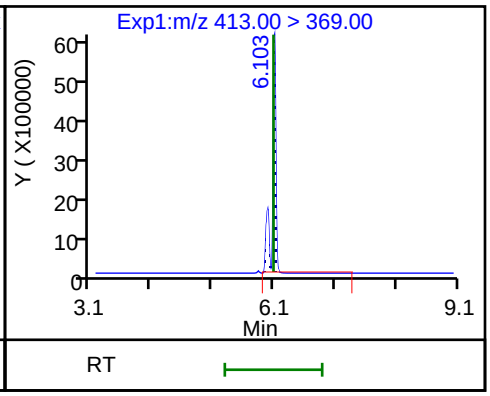
D 32 13C2-6:2FTS



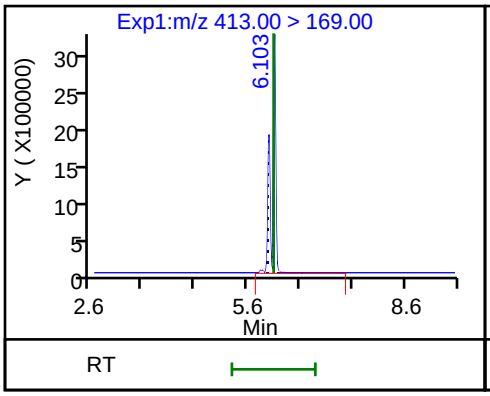
D 34 13C8 PFOA



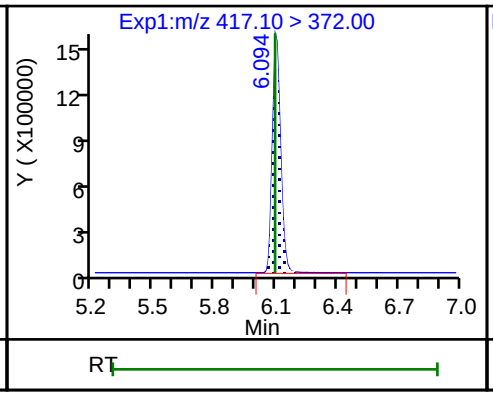
36 PFOA



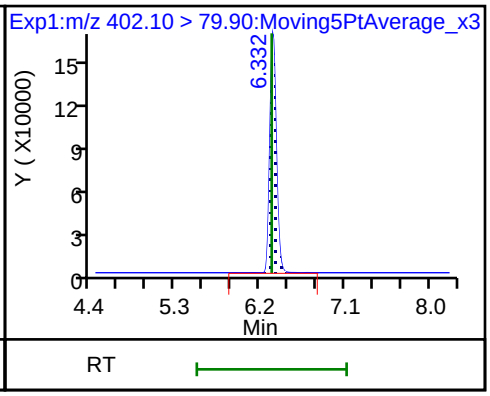
36 PFOA



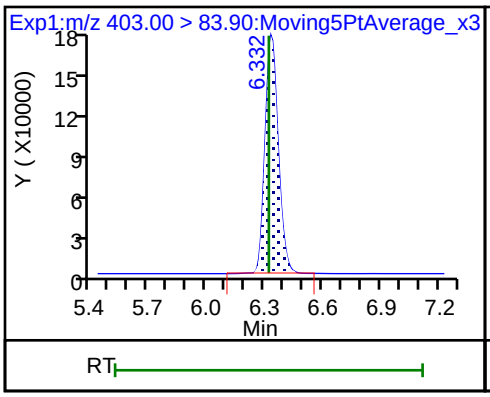
* 35 13C4 PFOA



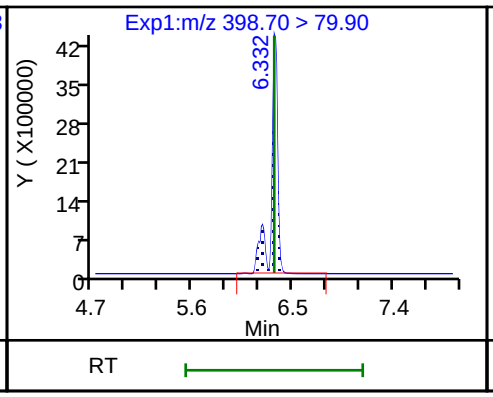
D 39 13C3 PFHxS



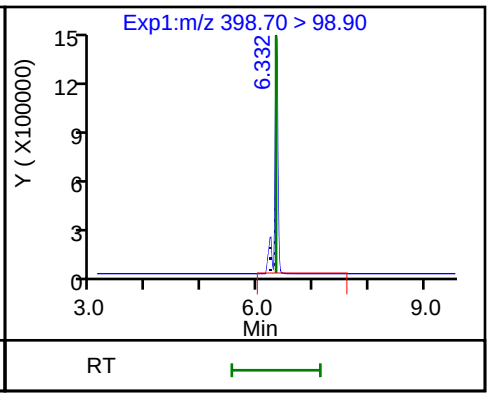
* 38 18O2 PFHxS



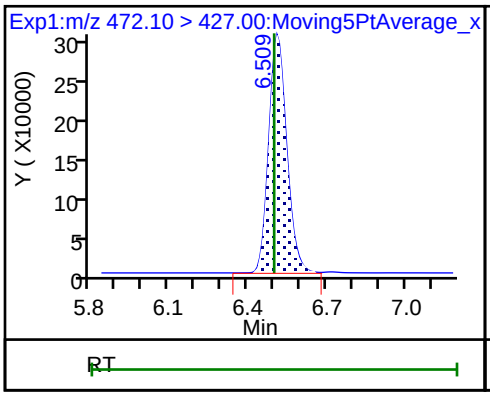
40 PFHxS



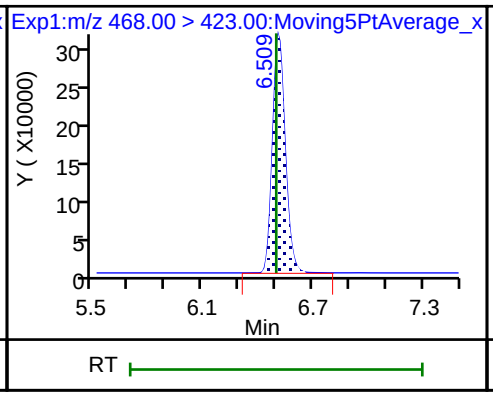
40 PFHxS



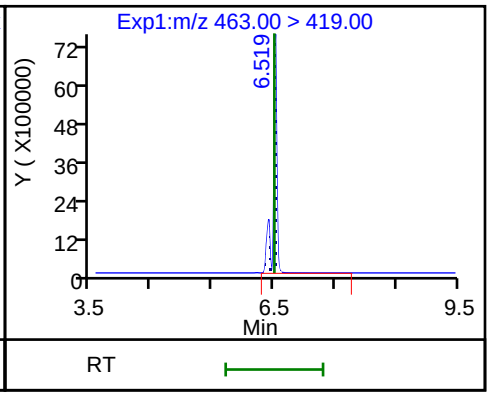
D 42 13C9 PFNA



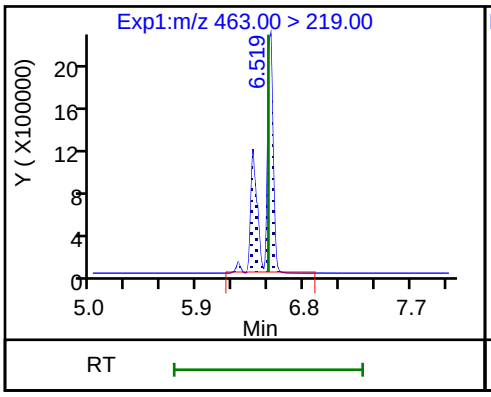
* 41 13C5 PFNA



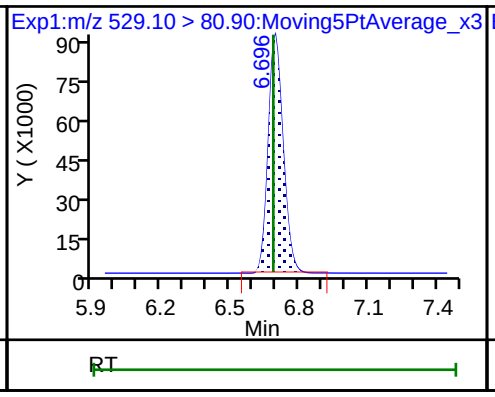
43 PFNA



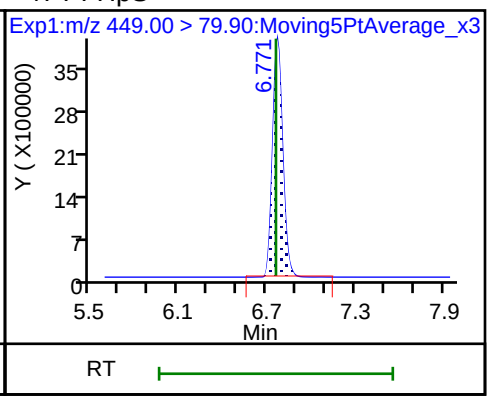
43 PFNA



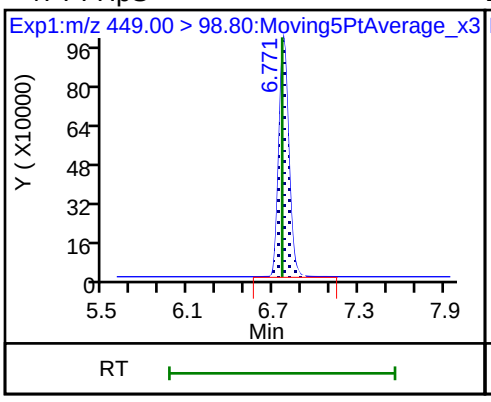
D 45 13C2-8:2FTS



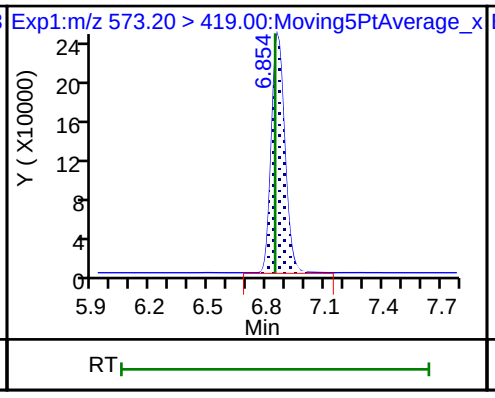
47 PFHpS



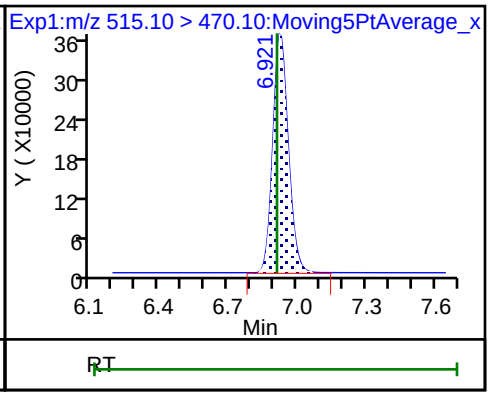
47 PFHpS



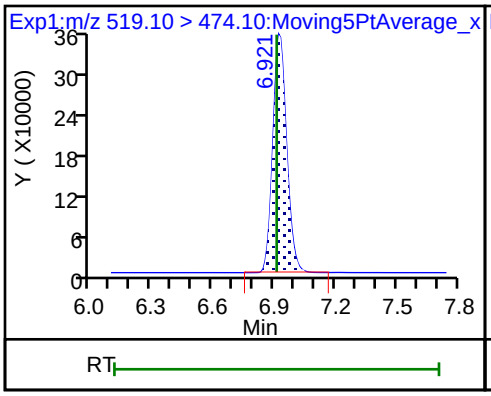
D 48 d3-NMeFOSAA



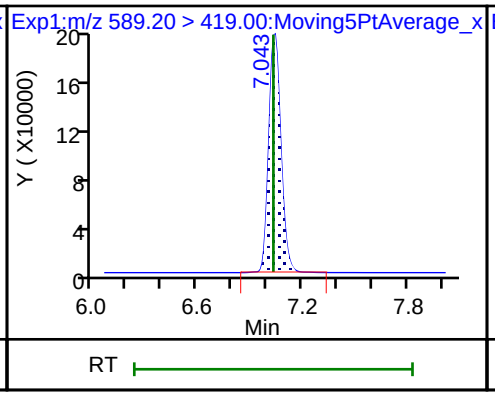
* 50 13C2 PFDA



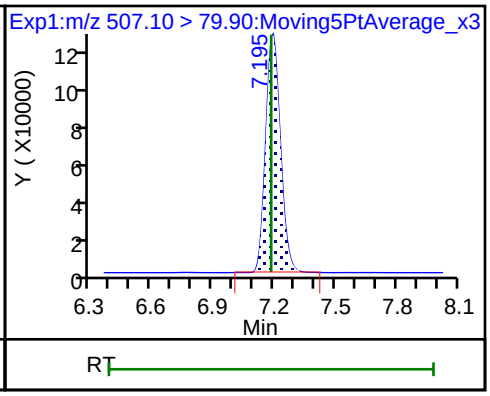
D 51 13C6 PFDA



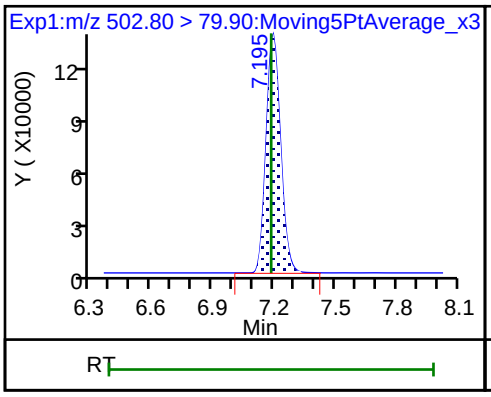
D 54 d5-NEtFOSAA



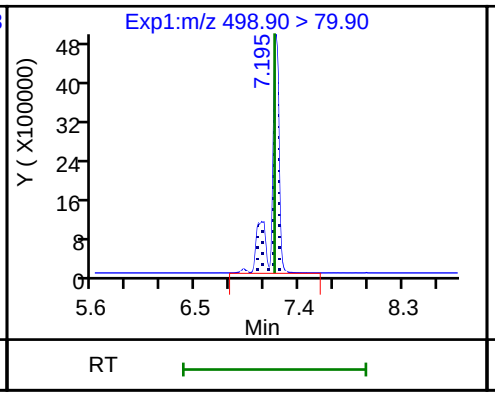
D 56 13C8 PFOS



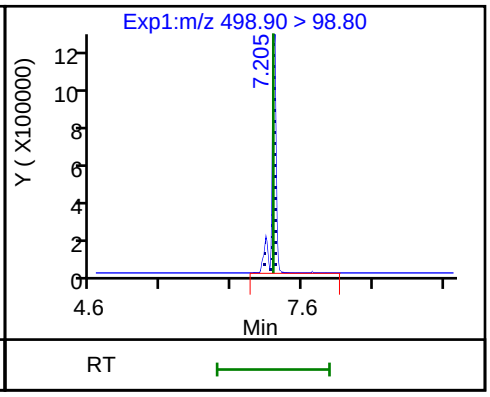
* 57 13C4 PFOS



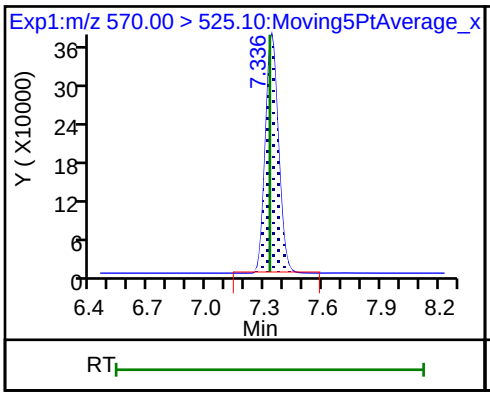
58 PFOS



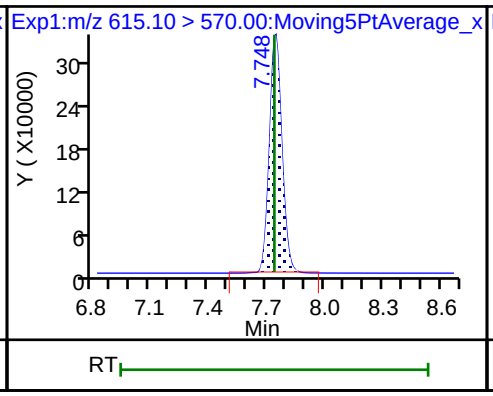
58 PFOS



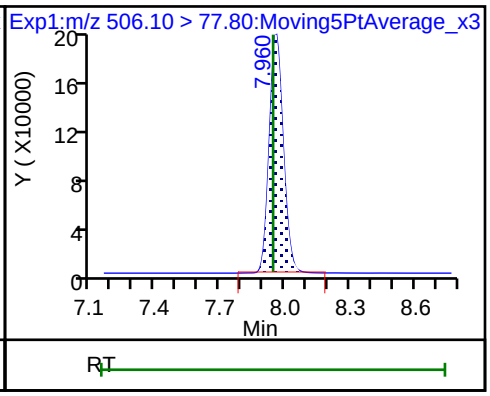
D 59 13C7 PFUnA



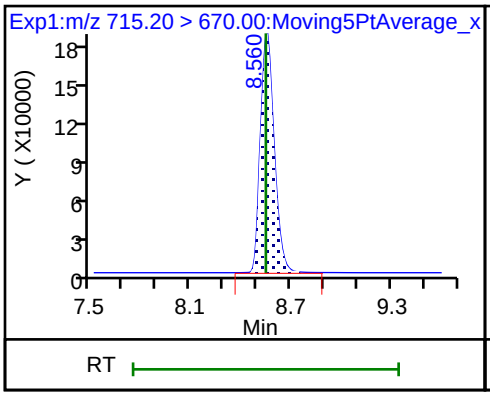
D 81 13C2 PFDoA



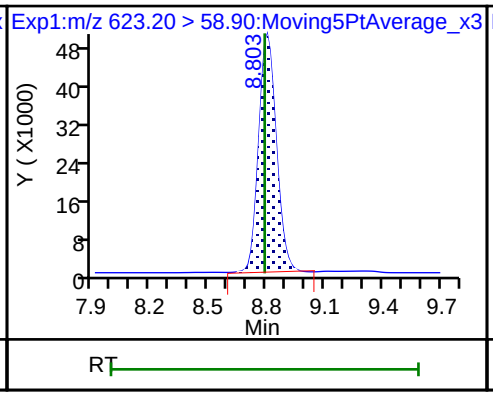
D 65 13C8 FOSA



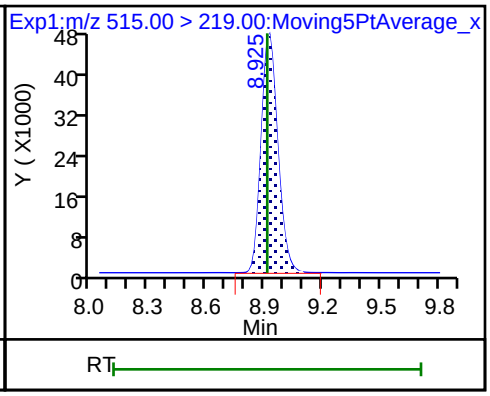
D 69 13C2 PFTeDA



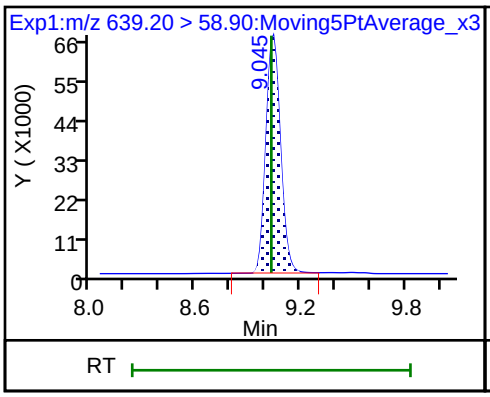
D 72 d7-N-Me-FOSE



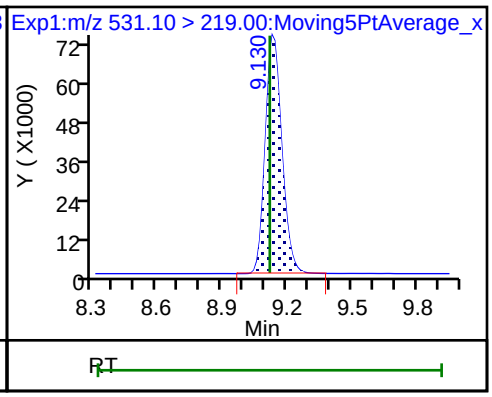
D 74 d3-NMePFOSA



D 76 d9-N-EtFOSE



D 78 d5-NEtPFOSA



Calibration / Perfluoropropionic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

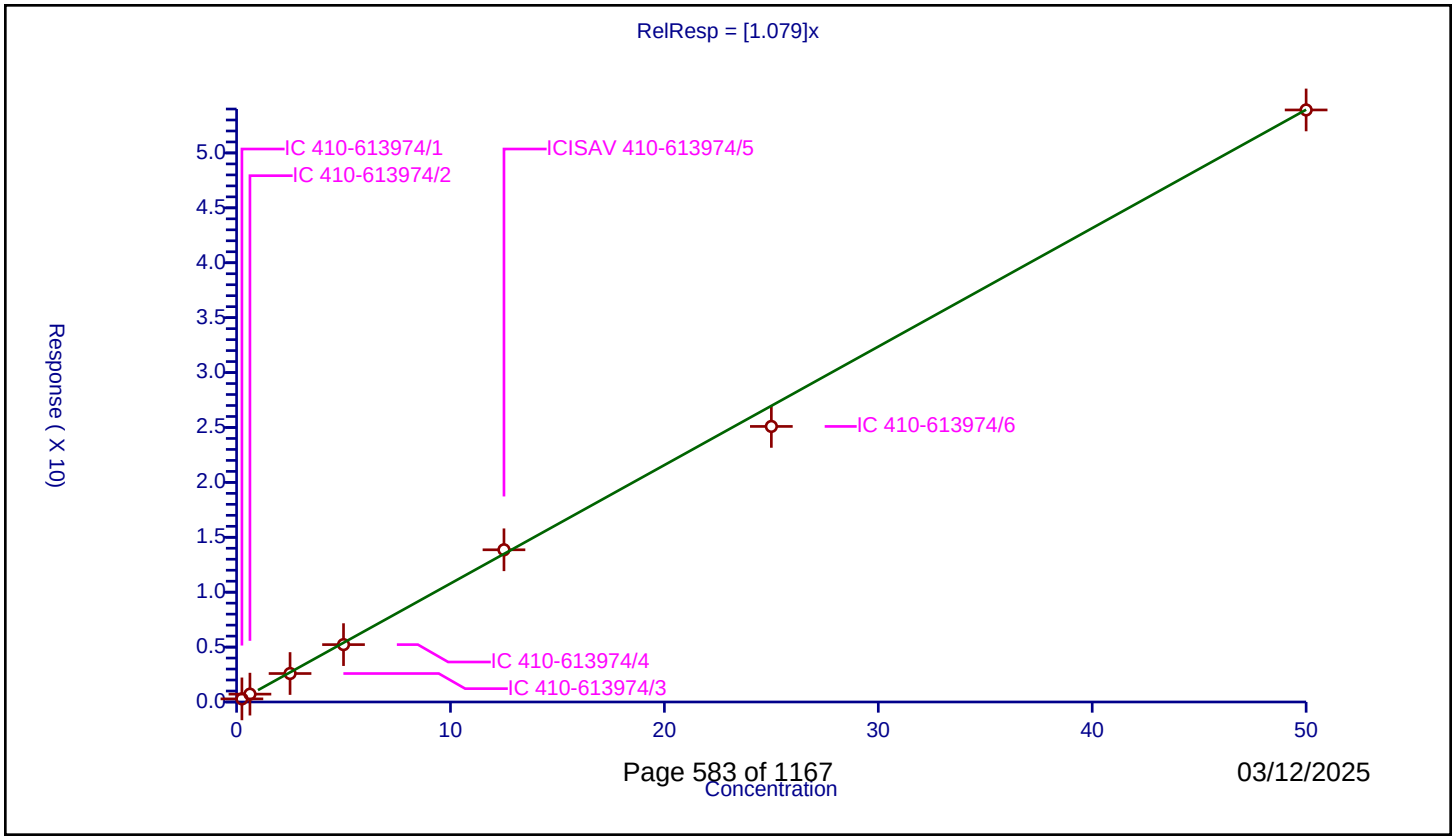
Curve Coefficients

Intercept:	0
Slope:	1.079

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.25	0.283204	2.0	1717558.0	1.132818	Y
2	IC 410-613974/2	0.625	0.716316	2.0	1772201.0	1.146106	Y
3	IC 410-613974/3	2.5	2.592213	2.0	1165259.0	1.036885	Y
4	IC 410-613974/4	5.0	5.22358	2.0	1742594.0	1.044716	Y
5	ICISAV 410-613974/5	12.5	13.860457	2.0	1736444.0	1.108837	Y
6	IC 410-613974/6	25.0	25.094958	2.0	1538598.0	1.003798	Y
7	IC 410-613974/7	50.0	53.915014	2.0	1567475.0	1.0783	Y



Calibration / Perfluorobutanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

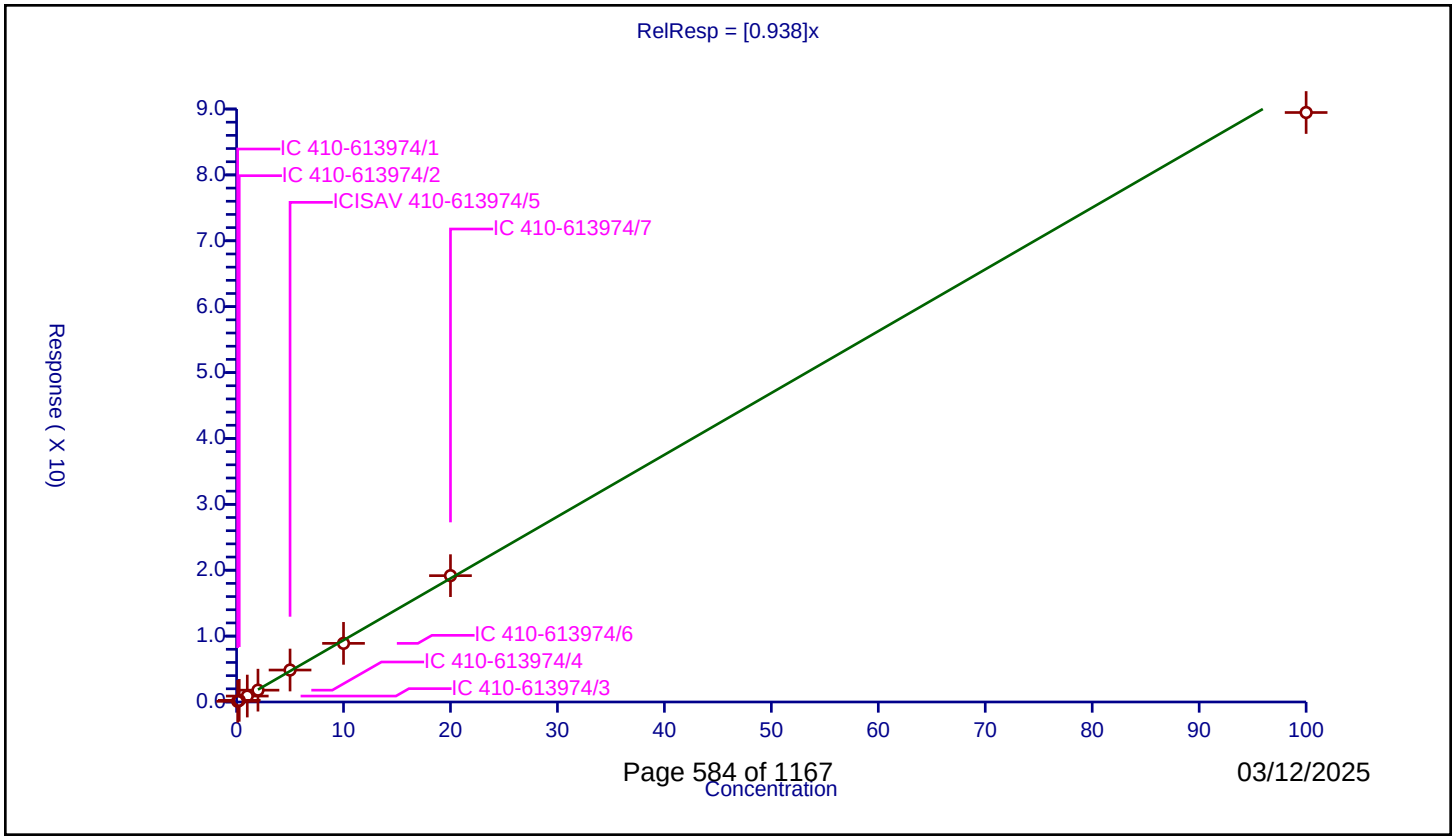
Curve Coefficients

Intercept:	0
Slope:	0.938

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.1	0.099838	2.0	2202311.0	0.998379	Y
2	IC 410-613974/2	0.25	0.248965	2.0	2164810.0	0.99586	Y
3	IC 410-613974/3	1.0	0.899165	2.0	1388164.0	0.899165	Y
4	IC 410-613974/4	2.0	1.794728	2.0	2104634.0	0.897364	Y
5	ICISAV 410-613974/5	5.0	4.849764	2.0	2051943.0	0.969953	Y
6	IC 410-613974/6	10.0	8.896318	2.0	1808060.0	0.889632	Y
7	IC 410-613974/7	20.0	19.172768	2.0	1764467.0	0.958638	Y
8	IC 410-613974/8	100.0	89.468548	2.0	1068837.0	0.894685	Y



Calibration / Perfluoro-3-methoxypropanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

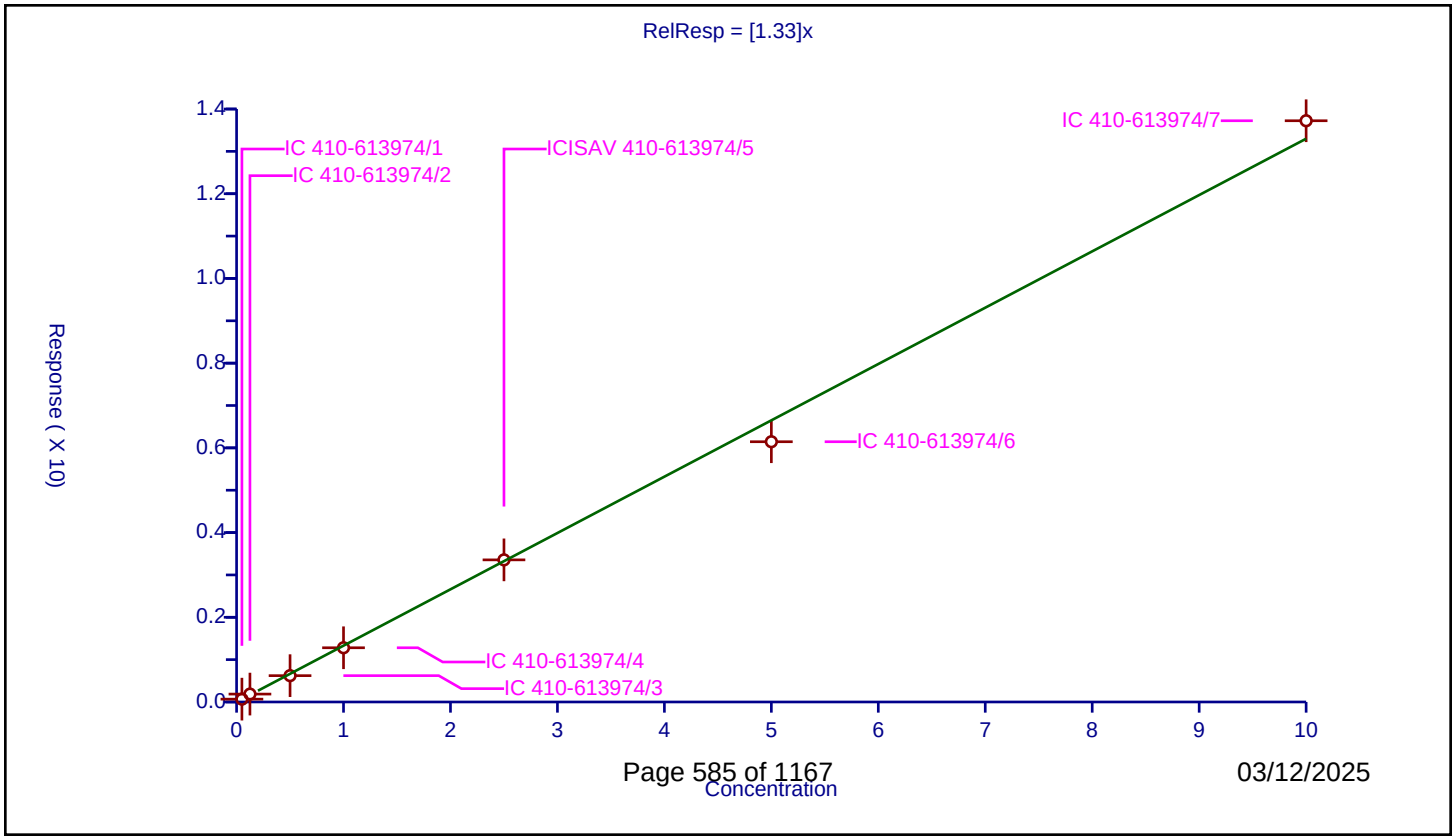
Curve Coefficients

Intercept:	0
Slope:	1.33

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.05	0.067335	2.0	1614711.0	1.346693	Y
2	IC 410-613974/2	0.125	0.186875	2.0	1563077.0	1.495	Y
3	IC 410-613974/3	0.5	0.62177	2.0	1041111.0	1.243541	Y
4	IC 410-613974/4	1.0	1.280549	2.0	1587124.0	1.280549	Y
5	ICISAV 410-613974/5	2.5	3.355154	2.0	1639111.0	1.342062	Y
6	IC 410-613974/6	5.0	6.144604	2.0	1422173.0	1.228921	Y
7	IC 410-613974/7	10.0	13.722767	2.0	1479880.0	1.372277	Y



Calibration / 3:3 FTCA

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

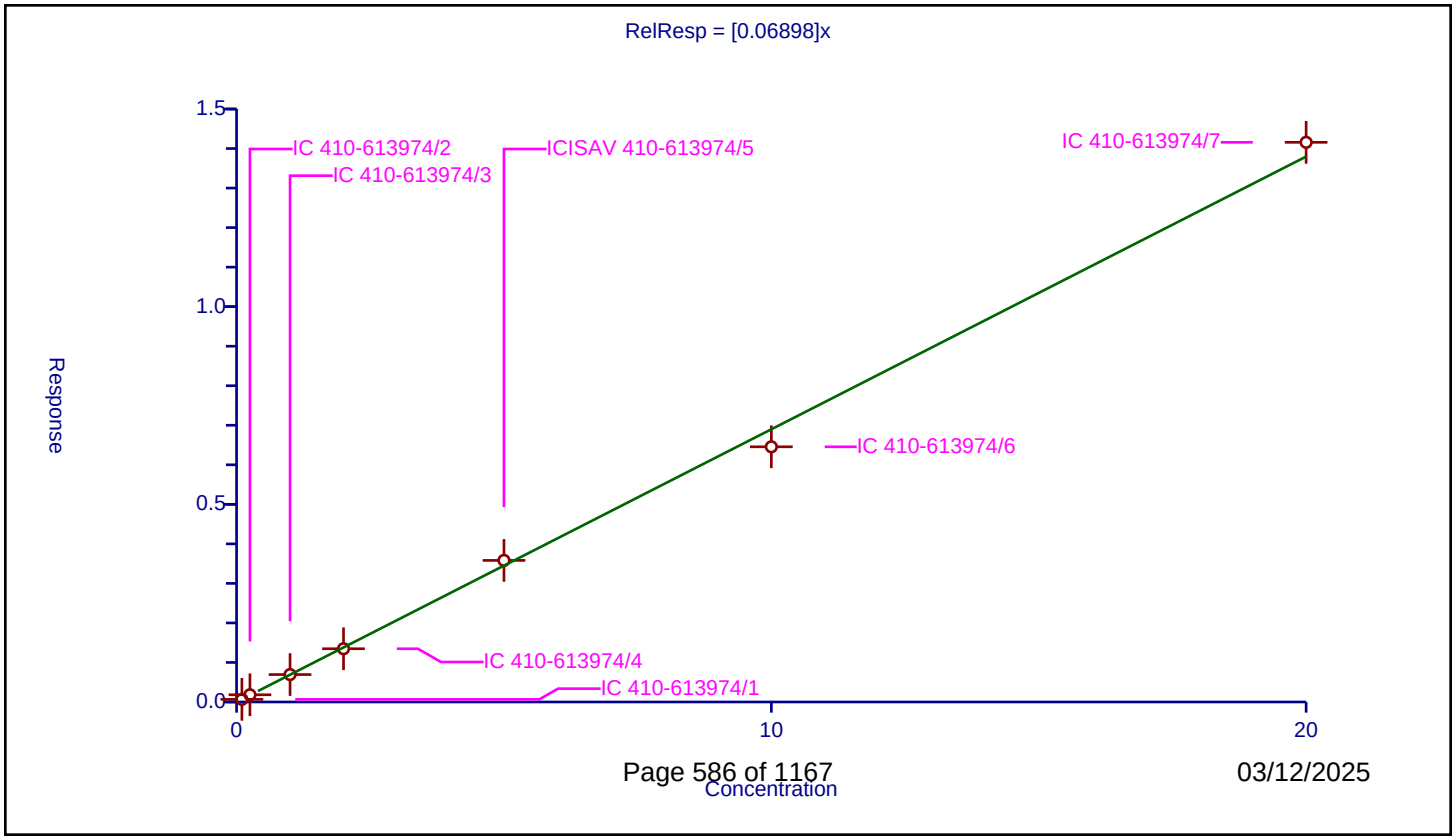
Curve Coefficients

Intercept:	0
Slope:	0.06898

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.1	0.006629	2.0	1614711.0	0.066291	Y
2	IC 410-613974/2	0.25	0.018228	2.0	1563077.0	0.072913	Y
3	IC 410-613974/3	1.0	0.06938	2.0	1041111.0	0.06938	Y
4	IC 410-613974/4	2.0	0.134665	2.0	1587124.0	0.067332	Y
5	ICISAV 410-613974/5	5.0	0.35817	2.0	1639111.0	0.071634	Y
6	IC 410-613974/6	10.0	0.6455	2.0	1422173.0	0.06455	Y
7	IC 410-613974/7	20.0	1.415713	2.0	1479880.0	0.070786	Y



Calibration / Perfluoropentanoic acid

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

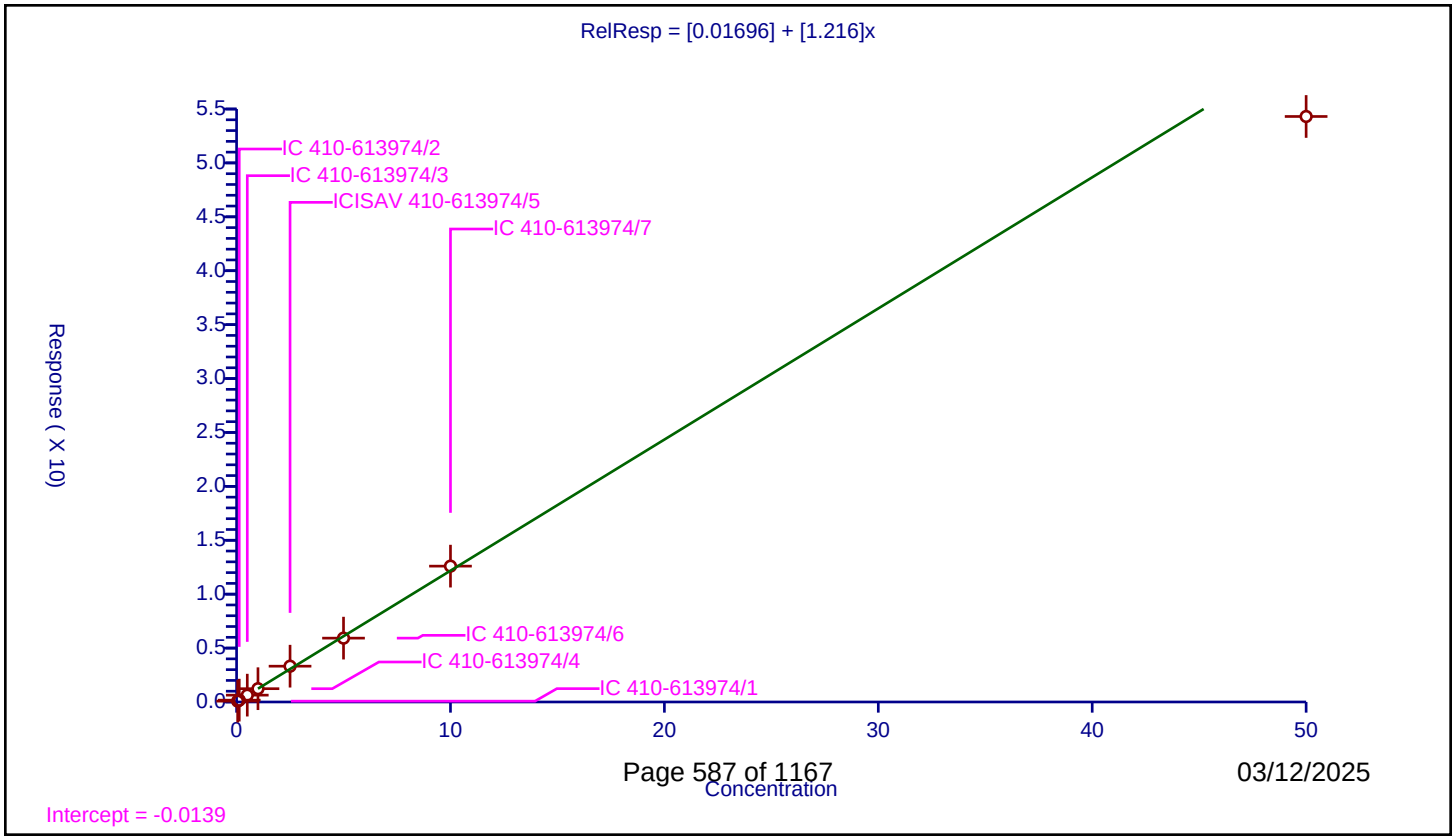
Curve Coefficients

Intercept:	0.01696
Slope:	1.216

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.05	0.077402	2.0	1614711.0	1.548042	Y
2	IC 410-613974/2	0.125	0.170168	2.0	1563077.0	1.361346	Y
3	IC 410-613974/3	0.5	0.633512	2.0	1041111.0	1.267023	Y
4	IC 410-613974/4	1.0	1.232539	2.0	1587124.0	1.232539	Y
5	ICISAV 410-613974/5	2.5	3.319651	2.0	1639111.0	1.32786	Y
6	IC 410-613974/6	5.0	5.921984	2.0	1422173.0	1.184397	Y
7	IC 410-613974/7	10.0	12.599884	2.0	1479880.0	1.259988	Y
8	IC 410-613974/8	50.0	54.308511	2.0	1027937.0	1.08617	Y



Calibration / Perfluoro(4-methoxybutanoic acid)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

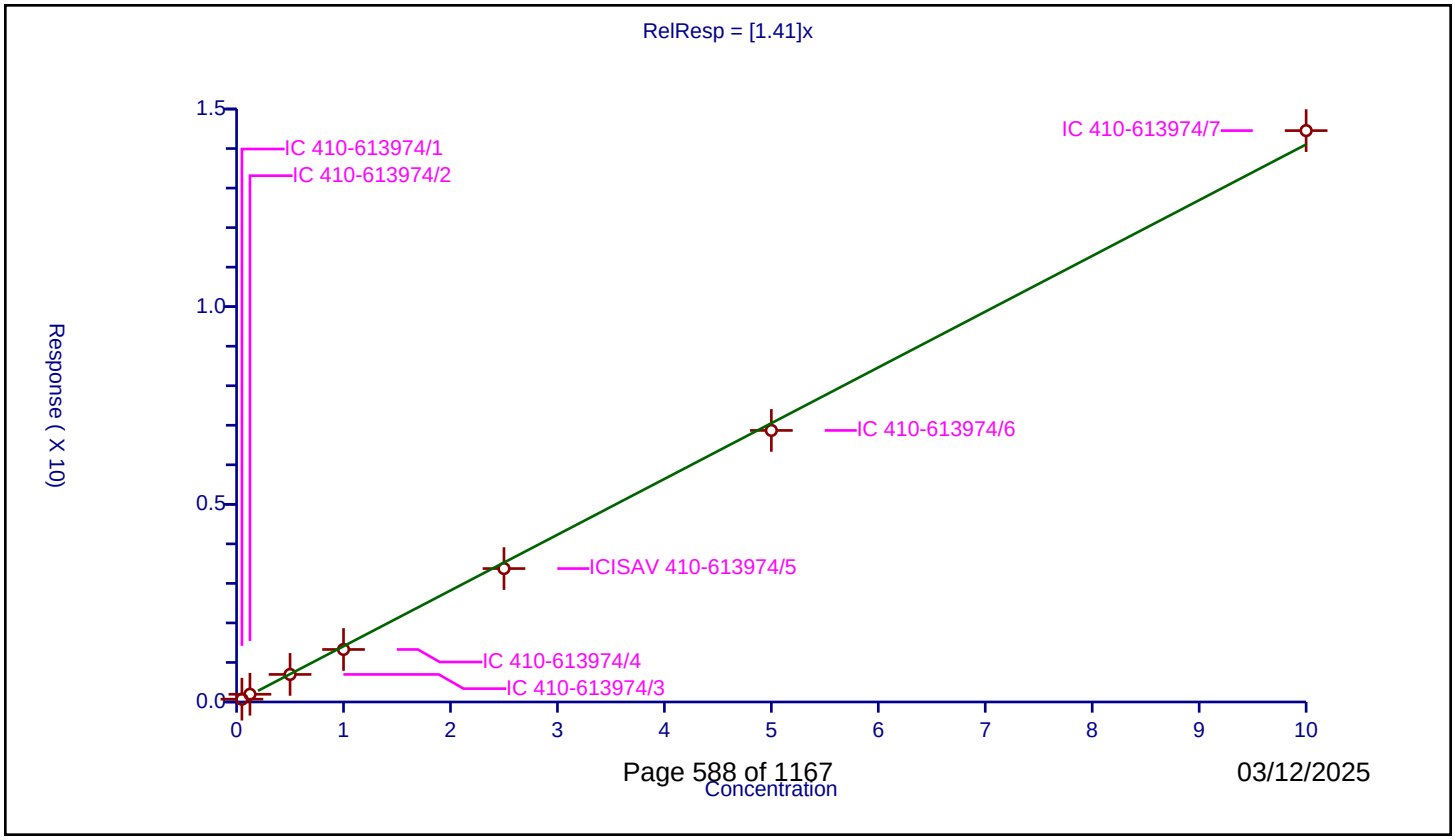
Curve Coefficients

Intercept:	0
Slope:	1.41

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.05	0.070852	2.0	1614711.0	1.417046	Y
2	IC 410-613974/2	0.125	0.195504	2.0	1563077.0	1.564033	Y
3	IC 410-613974/3	0.5	0.697048	2.0	1041111.0	1.394095	Y
4	IC 410-613974/4	1.0	1.32867	2.0	1587124.0	1.32867	Y
5	ICISAV 410-613974/5	2.5	3.374918	2.0	1639111.0	1.349967	Y
6	IC 410-613974/6	5.0	6.869436	2.0	1422173.0	1.373887	Y
7	IC 410-613974/7	10.0	14.453265	2.0	1479880.0	1.445327	Y



Calibration / 1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

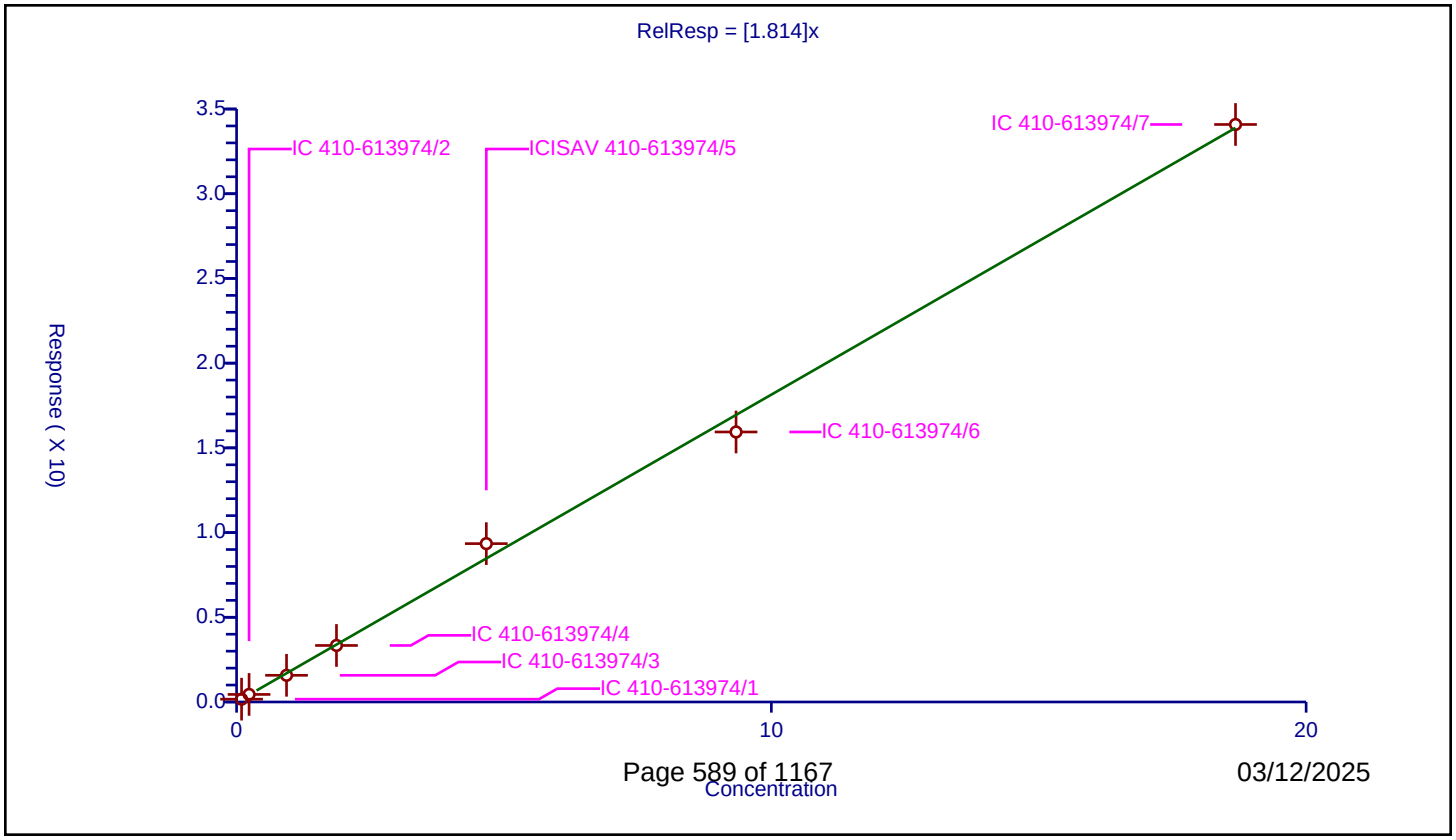
Curve Coefficients

Intercept:	0
Slope:	1.814

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.0934	0.166187	4.69	811754.0	1.779307	Y
2	IC 410-613974/2	0.2335	0.446864	4.69	762194.0	1.913765	Y
3	IC 410-613974/3	0.934	1.575251	4.69	503048.0	1.686565	Y
4	IC 410-613974/4	1.868	3.335987	4.69	699278.0	1.78586	Y
5	ICISAV 410-613974/5	4.67	9.347897	4.69	714533.0	2.001691	Y
6	IC 410-613974/6	9.34	15.937169	4.69	641771.0	1.706335	Y
7	IC 410-613974/7	18.68	34.086368	4.69	656990.0	1.824752	Y



Calibration / Perfluoro-3,6-dioxaheptanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

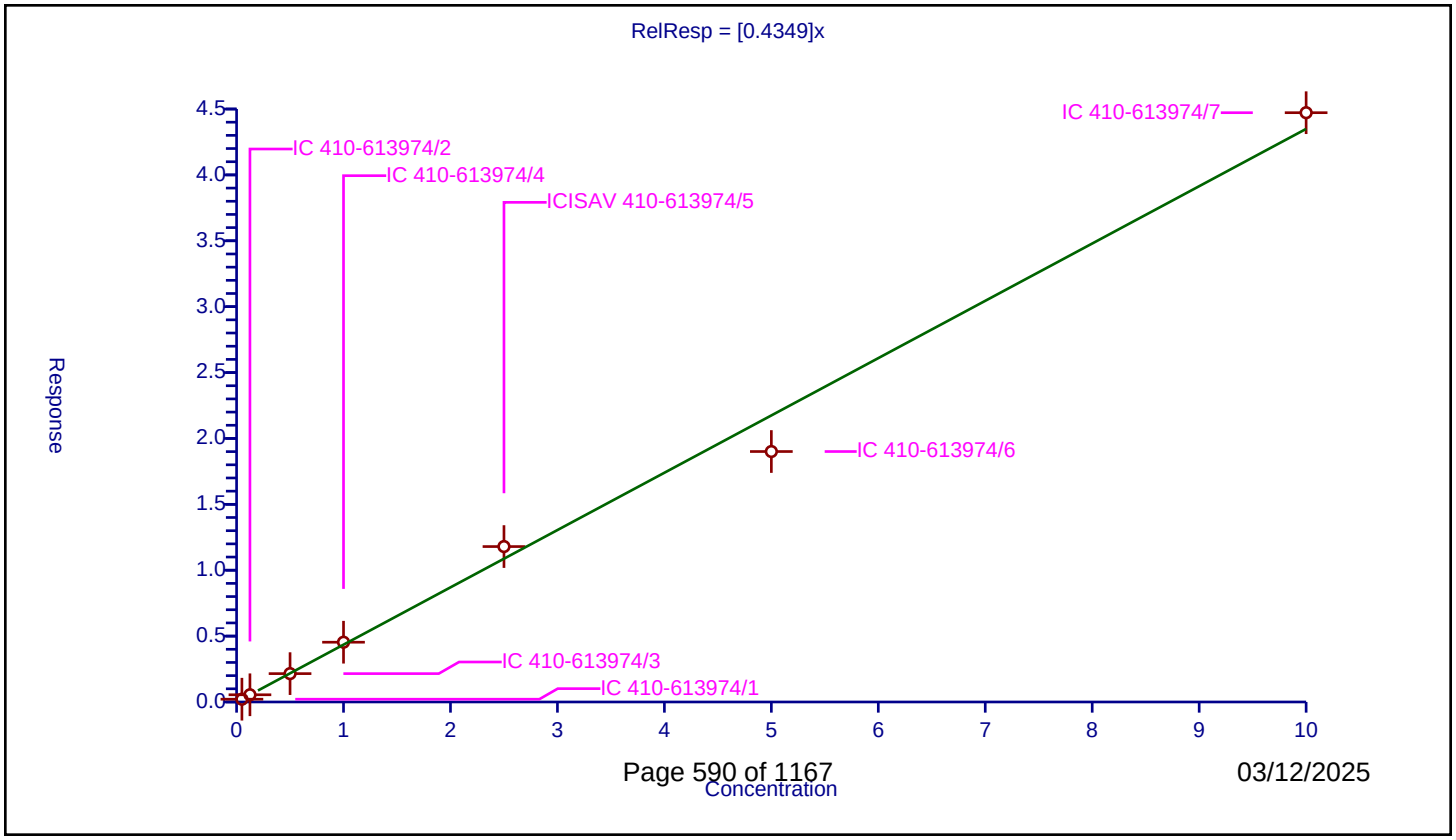
Curve Coefficients

Intercept:	0
Slope:	0.4349

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.05	0.021165	2.0	2280214.0	0.423294	Y
2	IC 410-613974/2	0.125	0.054716	2.0	2187078.0	0.437727	Y
3	IC 410-613974/3	0.5	0.21528	2.0	1426776.0	0.43056	Y
4	IC 410-613974/4	1.0	0.453605	2.0	2073535.0	0.453605	Y
5	ICISAV 410-613974/5	2.5	1.179549	2.0	1987398.0	0.47182	Y
6	IC 410-613974/6	5.0	1.900691	2.0	1957980.0	0.380138	Y
7	IC 410-613974/7	10.0	4.47203	2.0	1913330.0	0.447203	Y



Calibration / Perfluorohexanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

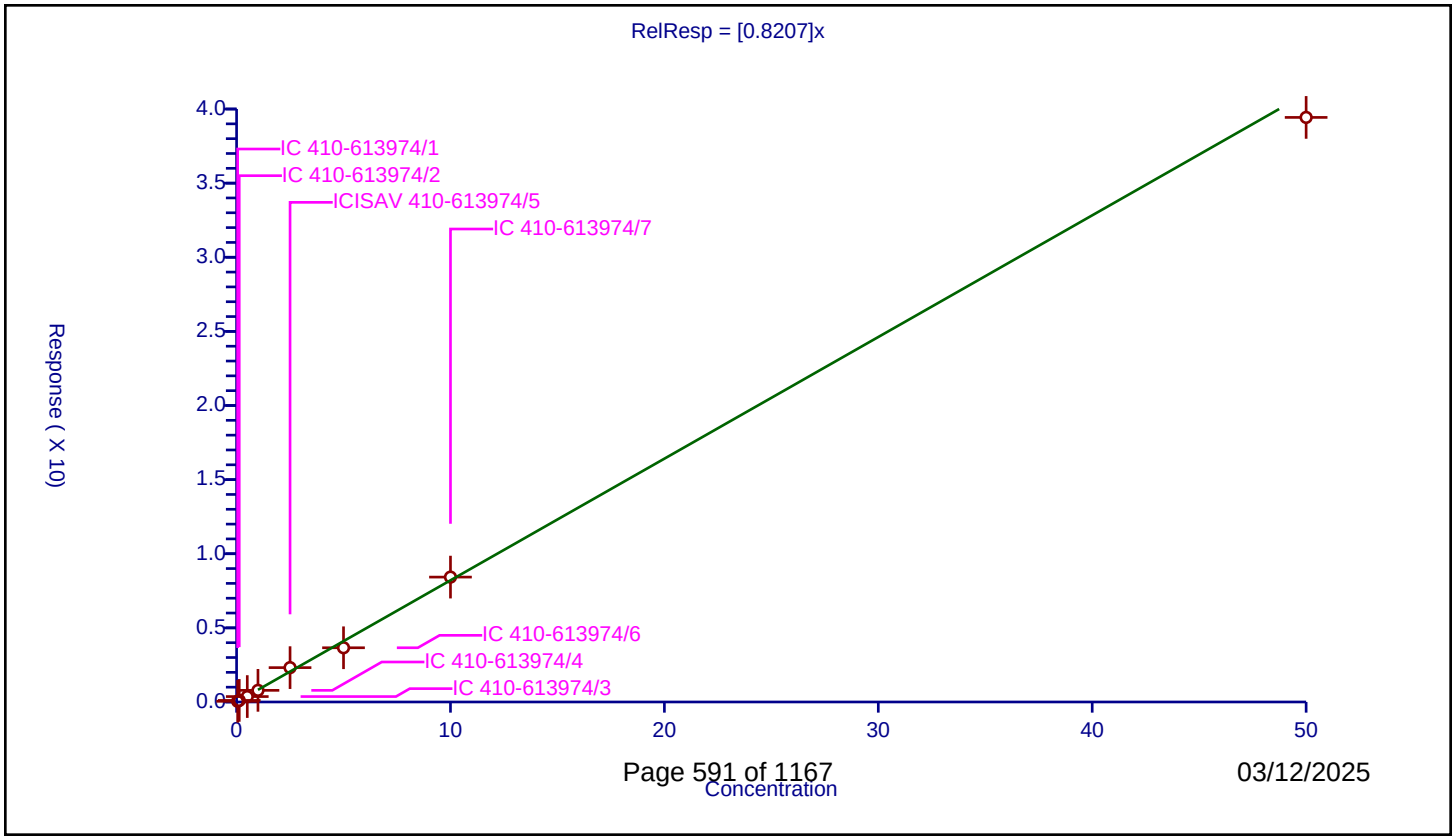
Curve Coefficients

Intercept:	0
Slope:	0.8207

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.05	0.045826	2.0	2280214.0	0.916528	Y
2	IC 410-613974/2	0.125	0.105186	2.0	2187078.0	0.841488	Y
3	IC 410-613974/3	0.5	0.366069	2.0	1426776.0	0.732137	Y
4	IC 410-613974/4	1.0	0.785635	2.0	2073535.0	0.785635	Y
5	ICISAV 410-613974/5	2.5	2.317106	2.0	1987398.0	0.926842	Y
6	IC 410-613974/6	5.0	3.658463	2.0	1957980.0	0.731693	Y
7	IC 410-613974/7	10.0	8.424283	2.0	1913330.0	0.842428	Y
8	IC 410-613974/8	50.0	39.433705	2.0	1425840.0	0.788674	Y



Calibration / 5:3 FTCA

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

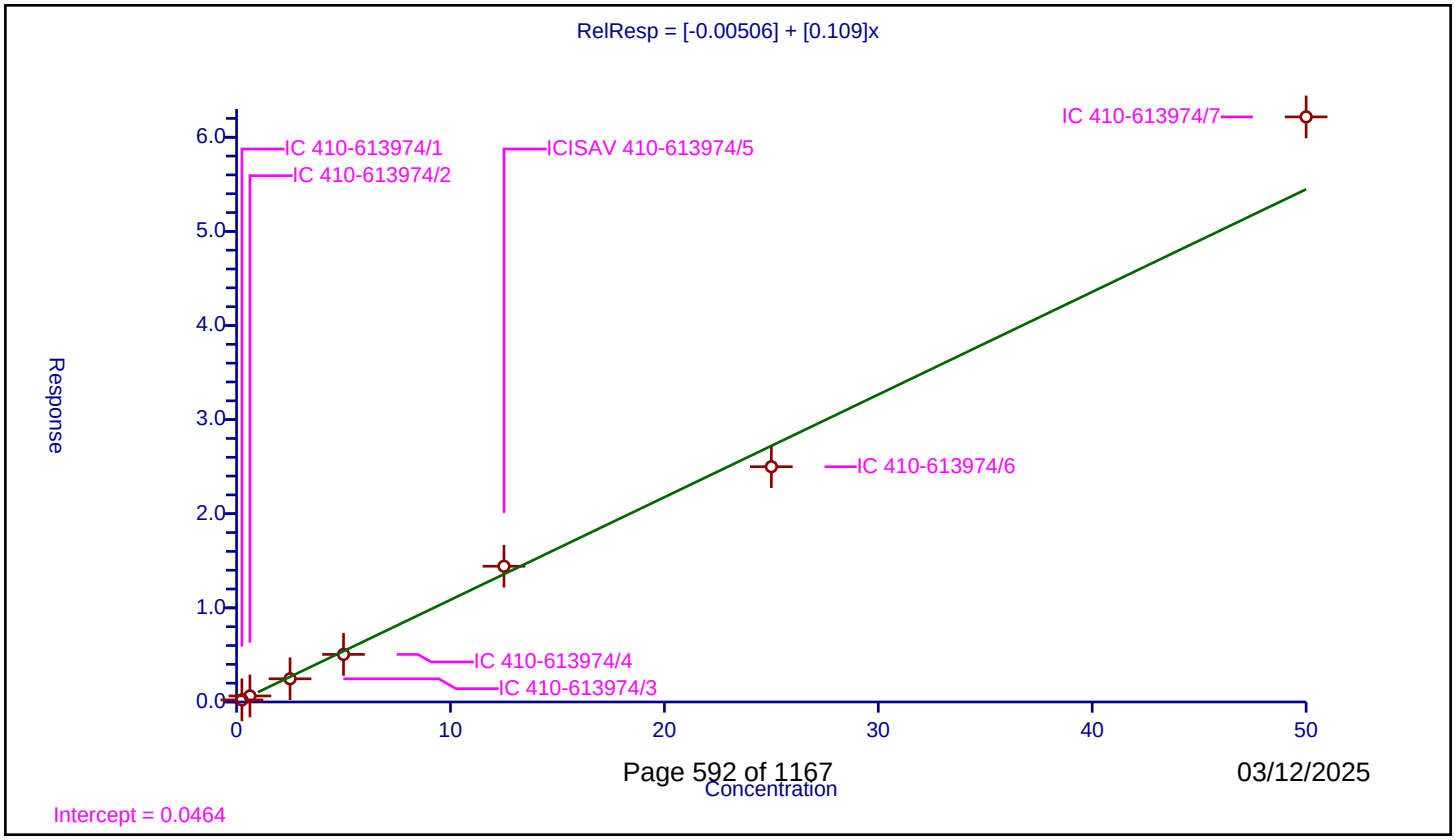
Curve Coefficients

Intercept:	-0.00506
Slope:	0.109

Error Coefficients

Relative Standard Deviation:	9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.25	0.022289	2.0	2280214.0	0.089157	Y
2	IC 410-613974/2	0.625	0.064223	2.0	2187078.0	0.102756	Y
3	IC 410-613974/3	2.5	0.246264	2.0	1426776.0	0.098506	Y
4	IC 410-613974/4	5.0	0.505656	2.0	2073535.0	0.101131	Y
5	ICISAV 410-613974/5	12.5	1.442177	2.0	1987398.0	0.115374	Y
6	IC 410-613974/6	25.0	2.499642	2.0	1957980.0	0.099986	Y
7	IC 410-613974/7	50.0	6.216269	2.0	1913330.0	0.124325	Y



Calibration / Perfluorobutanesulfonic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

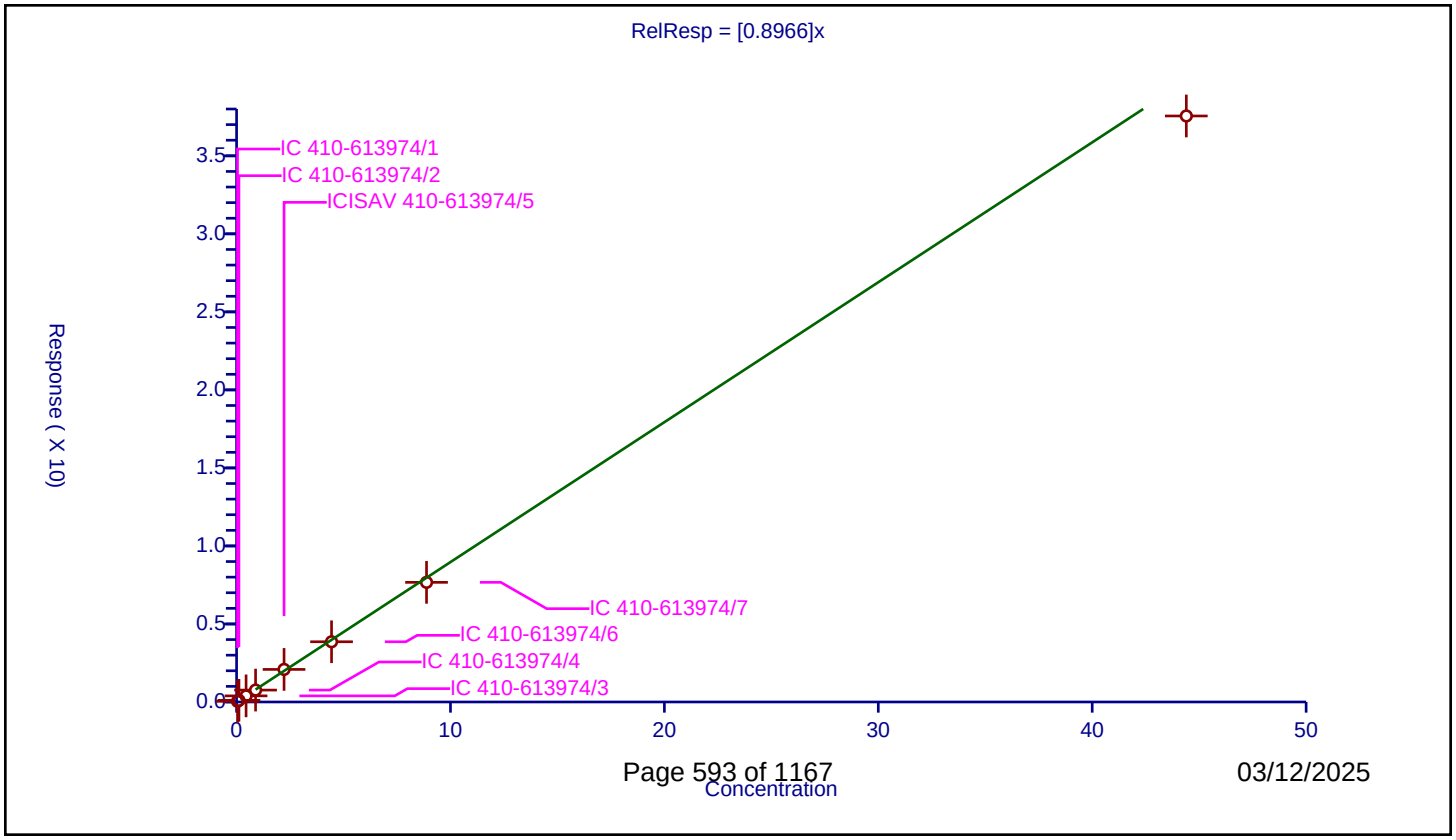
Curve Coefficients

Intercept:	0
Slope:	0.8966

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.0444	0.042012	1.864	1447727.0	0.946223	Y
2	IC 410-613974/2	0.111	0.107393	1.864	1447206.0	0.967508	Y
3	IC 410-613974/3	0.444	0.391577	1.864	931951.0	0.881929	Y
4	IC 410-613974/4	0.888	0.762502	1.864	1429529.0	0.858673	Y
5	ICISAV 410-613974/5	2.22	2.086716	1.864	1481395.0	0.939962	Y
6	IC 410-613974/6	4.44	3.858796	1.864	1286153.0	0.869098	Y
7	IC 410-613974/7	8.88	7.666357	1.864	1389461.0	0.863328	Y
8	IC 410-613974/8	44.4	37.554518	1.864	938952.0	0.845822	Y



Calibration / Perfluoro(2-propoxypropanoic) acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

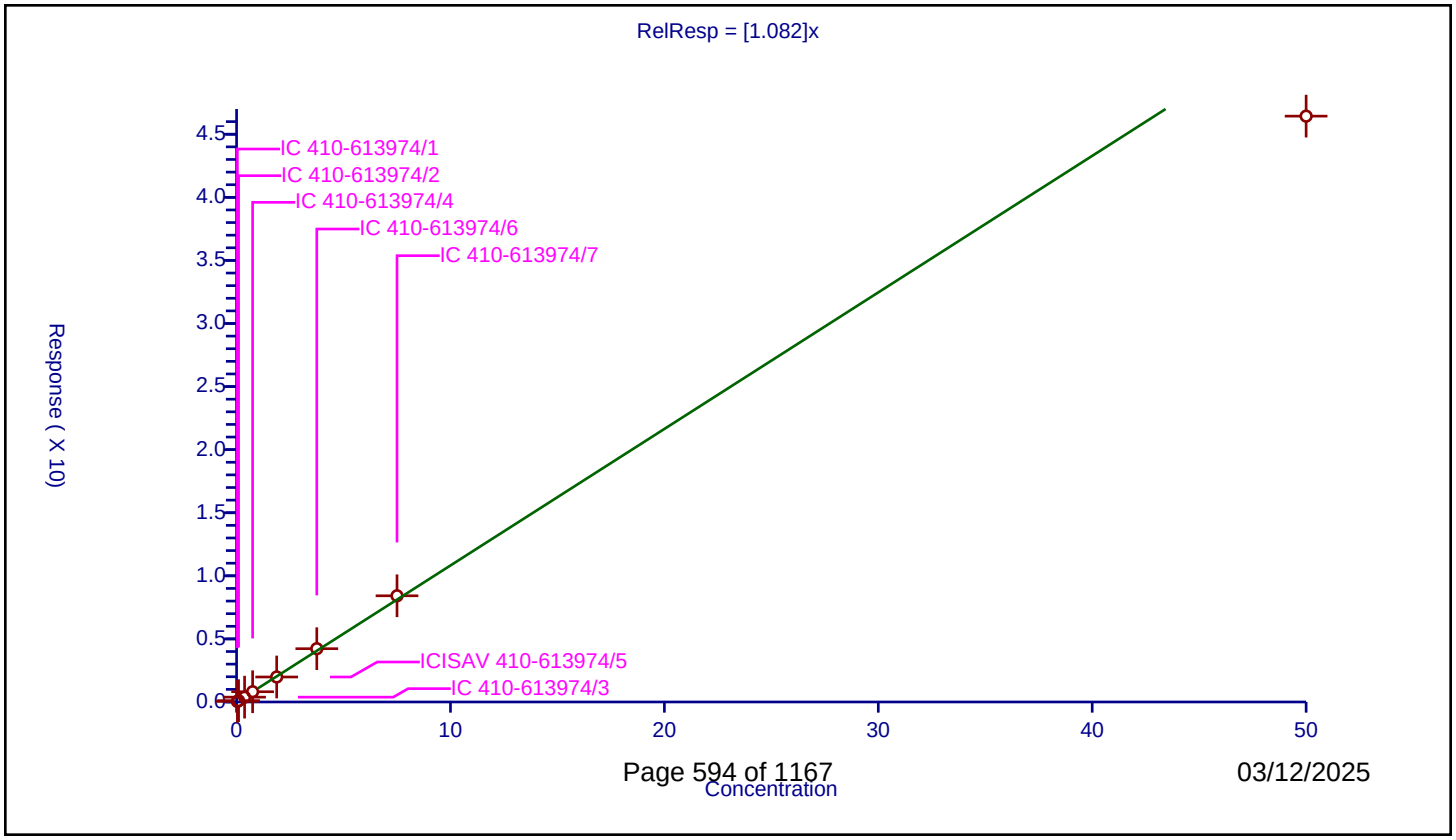
Curve Coefficients

Intercept:	0
Slope:	1.082

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.0375	0.044359	2.0	1895526.0	1.182912	Y
2	IC 410-613974/2	0.09375	0.106351	2.0	1948578.0	1.134415	Y
3	IC 410-613974/3	0.375	0.382844	2.0	1303079.0	1.020917	Y
4	IC 410-613974/4	0.75	0.813325	2.0	1895405.0	1.084433	Y
5	ICISAV 410-613974/5	1.875	1.9822	2.0	1988897.0	1.057173	Y
6	IC 410-613974/6	3.75	4.224855	2.0	1645426.0	1.126628	Y
7	IC 410-613974/7	7.5	8.416722	2.0	1788719.0	1.12223	Y
8	IC 410-613974/8	50.0	46.43471	2.0	1364161.0	0.928694	Y



Calibration / FBSA

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

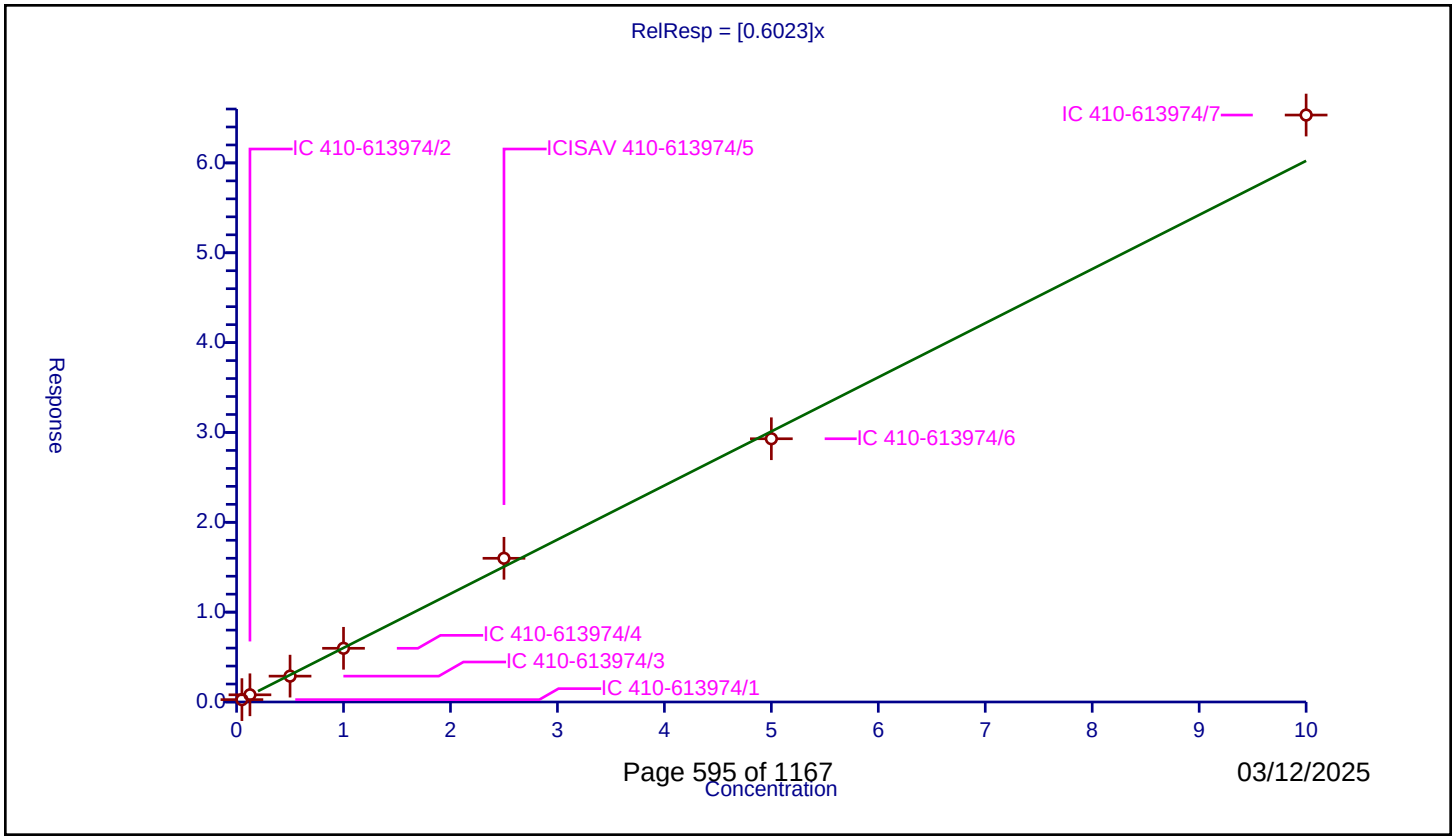
Curve Coefficients

Intercept:	0
Slope:	0.6023

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.05	0.026133	1.864	1447727.0	0.522662	Y
2	IC 410-613974/2	0.125	0.080138	1.864	1447206.0	0.641104	Y
3	IC 410-613974/3	0.5	0.287901	1.864	931951.0	0.575802	Y
4	IC 410-613974/4	1.0	0.59772	1.864	1429529.0	0.59772	Y
5	ICISAV 410-613974/5	2.5	1.599357	1.864	1481395.0	0.639743	Y
6	IC 410-613974/6	5.0	2.930004	1.864	1286153.0	0.586001	Y
7	IC 410-613974/7	10.0	6.53299	1.864	1389461.0	0.653299	Y



Calibration / Perfluoro (2-ethoxyethane) sulfonic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

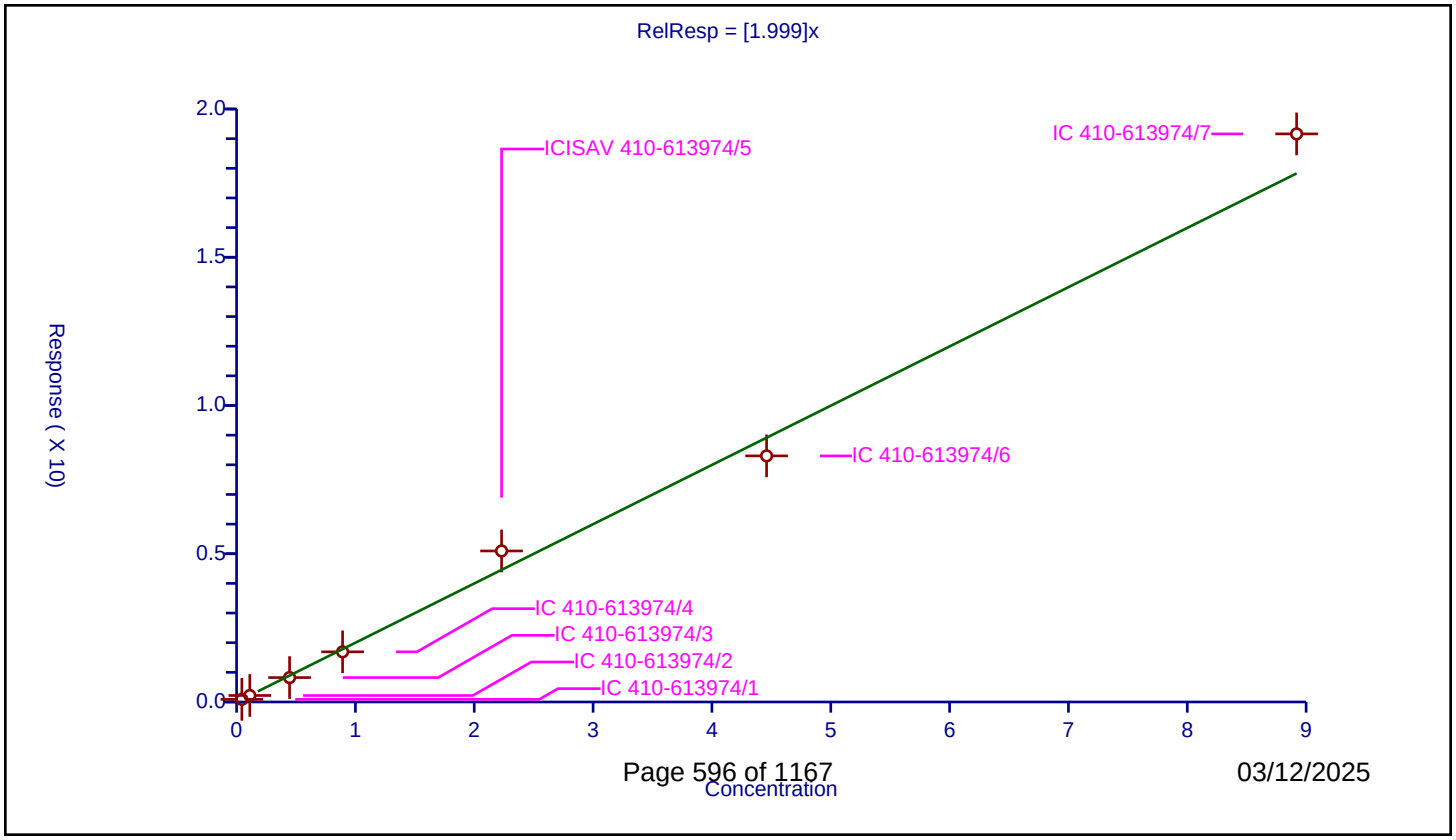
Curve Coefficients

Intercept:	0
Slope:	1.999

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.0446	0.088887	2.0	2280214.0	1.992988	Y
2	IC 410-613974/2	0.1115	0.218722	2.0	2187078.0	1.961632	Y
3	IC 410-613974/3	0.446	0.82359	2.0	1426776.0	1.846614	Y
4	IC 410-613974/4	0.892	1.691324	2.0	2073535.0	1.896103	Y
5	ICISAV 410-613974/5	2.23	5.093879	2.0	1987398.0	2.28425	Y
6	IC 410-613974/6	4.46	8.300514	2.0	1957980.0	1.861102	Y
7	IC 410-613974/7	8.92	19.161076	2.0	1913330.0	2.148103	Y



Calibration / Perfluoroheptanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

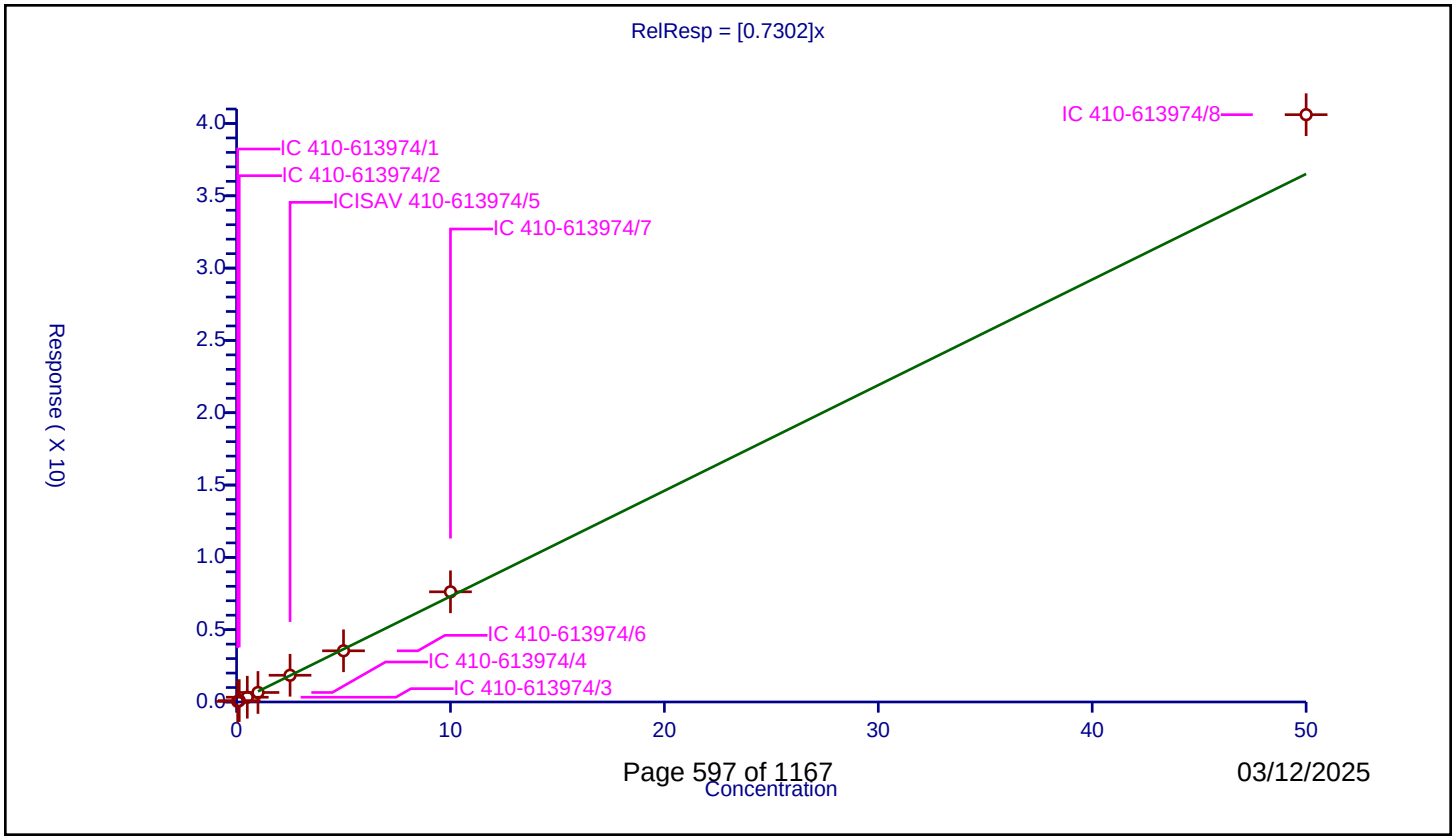
Curve Coefficients

Intercept:	0
Slope:	0.7302

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.05	0.037031	2.0	2112281.0	0.740621	Y
2	IC 410-613974/2	0.125	0.095641	2.0	2013862.0	0.765129	Y
3	IC 410-613974/3	0.5	0.328998	2.0	1332307.0	0.657995	Y
4	IC 410-613974/4	1.0	0.656675	2.0	2052374.0	0.656675	Y
5	ICISAV 410-613974/5	2.5	1.848356	2.0	2098920.0	0.739343	Y
6	IC 410-613974/6	5.0	3.539806	2.0	1789460.0	0.707961	Y
7	IC 410-613974/7	10.0	7.618305	2.0	1819321.0	0.76183	Y
8	IC 410-613974/8	50.0	40.608993	2.0	1283982.0	0.81218	Y



Calibration / DONA

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

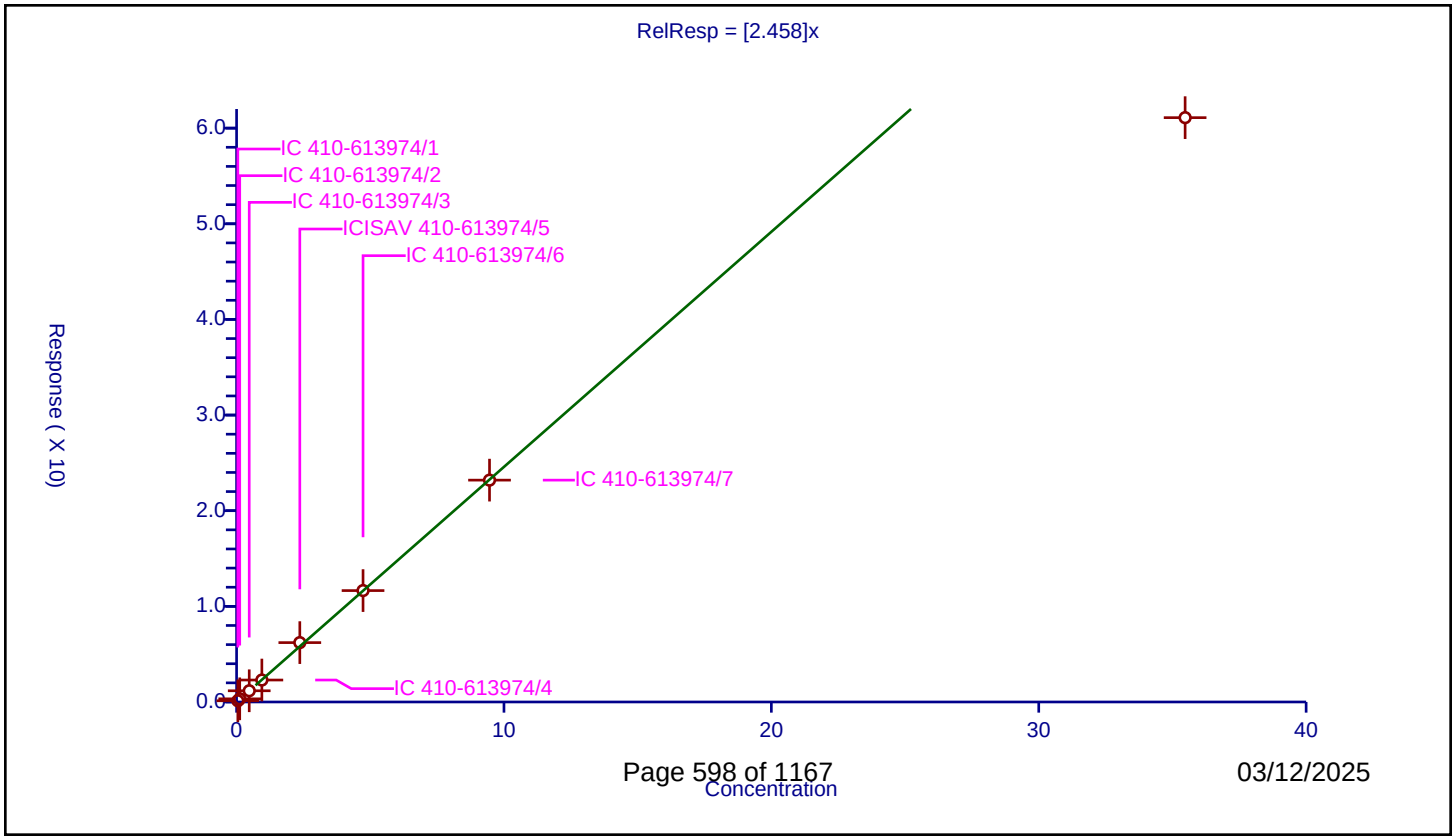
Curve Coefficients

Intercept:	0
Slope:	2.458

Error Coefficients

Relative Standard Deviation:	13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.0473	0.128197	2.0	1895526.0	2.710288	Y
2	IC 410-613974/2	0.11825	0.329416	2.0	1948578.0	2.785756	Y
3	IC 410-613974/3	0.473	1.172003	2.0	1303079.0	2.477807	Y
4	IC 410-613974/4	0.946	2.296695	2.0	1895405.0	2.427796	Y
5	ICISAV 410-613974/5	2.365	6.208994	2.0	1988897.0	2.625368	Y
6	IC 410-613974/6	4.73	11.649135	2.0	1645426.0	2.462819	Y
7	IC 410-613974/7	9.46	23.197402	2.0	1788719.0	2.452157	Y
8	IC 410-613974/8	35.475	61.096476	2.0	1364161.0	1.72224	Y



Calibration / Perfluoropentanesulfonic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

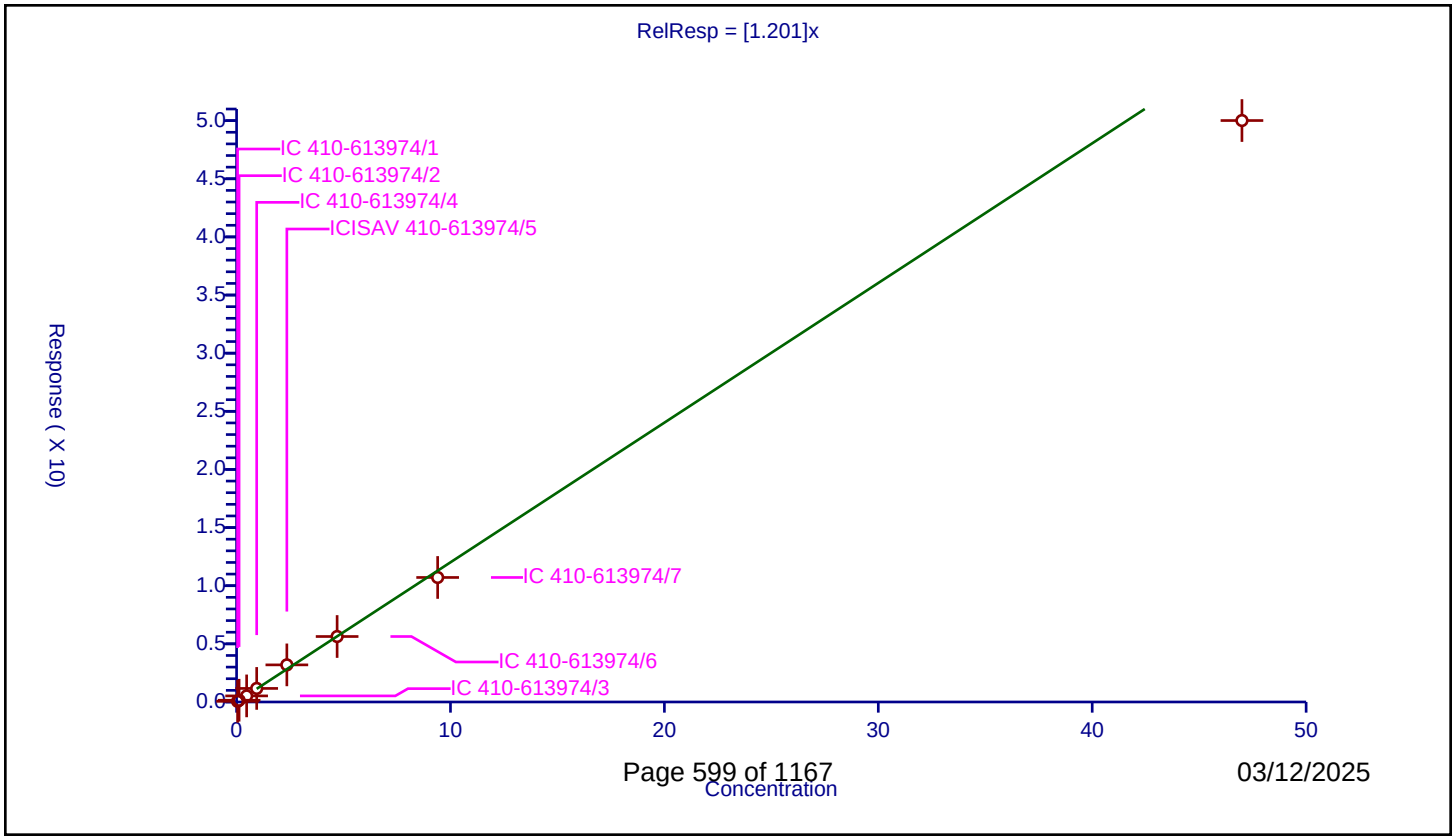
Curve Coefficients

Intercept:	0
Slope:	1.201

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.047	0.056902	1.896	1129087.0	1.210691	Y
2	IC 410-613974/2	0.1175	0.151125	1.896	1137347.0	1.286173	Y
3	IC 410-613974/3	0.47	0.523667	1.896	749392.0	1.114186	Y
4	IC 410-613974/4	0.94	1.165307	1.896	1092134.0	1.239688	Y
5	ICISAV 410-613974/5	2.35	3.190349	1.896	1106325.0	1.357595	Y
6	IC 410-613974/6	4.7	5.630827	1.896	1003667.0	1.198048	Y
7	IC 410-613974/7	9.4	10.710104	1.896	1097408.0	1.139373	Y
8	IC 410-613974/8	47.0	50.009144	1.896	784982.0	1.064024	Y



Calibration / 1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

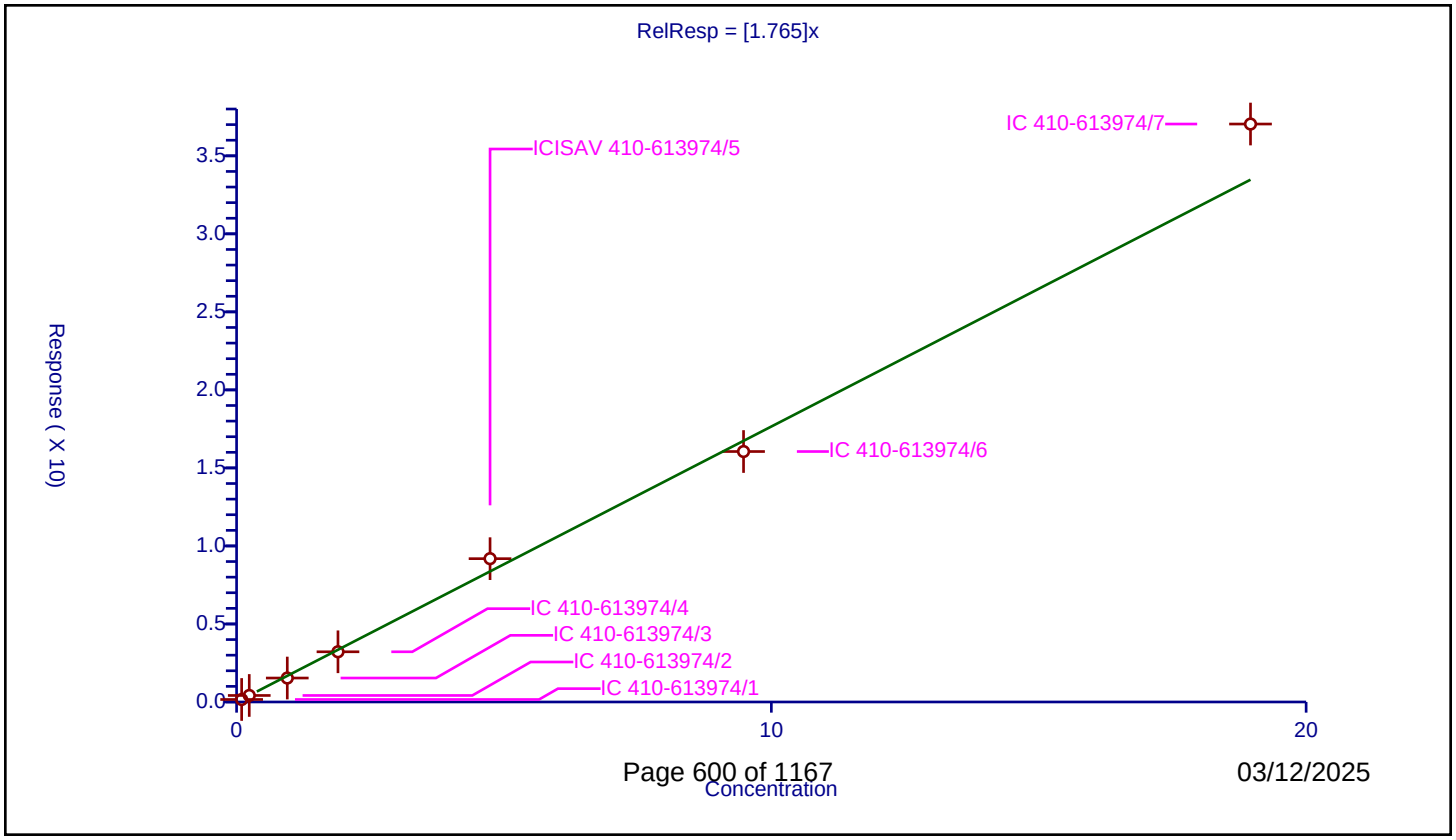
Curve Coefficients

Intercept:	0
Slope:	1.765

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.0948	0.160393	4.76	687350.0	1.691913	Y
2	IC 410-613974/2	0.237	0.417994	4.76	653256.0	1.76369	Y
3	IC 410-613974/3	0.948	1.535476	4.76	437434.0	1.6197	Y
4	IC 410-613974/4	1.896	3.217563	4.76	647689.0	1.697027	Y
5	ICISAV 410-613974/5	4.74	9.185108	4.76	615645.0	1.937786	Y
6	IC 410-613974/6	9.48	16.051002	4.76	510779.0	1.693144	Y
7	IC 410-613974/7	18.96	37.037357	4.76	512462.0	1.953447	Y



Calibration / bis(trifluoromethane)sulfonimide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

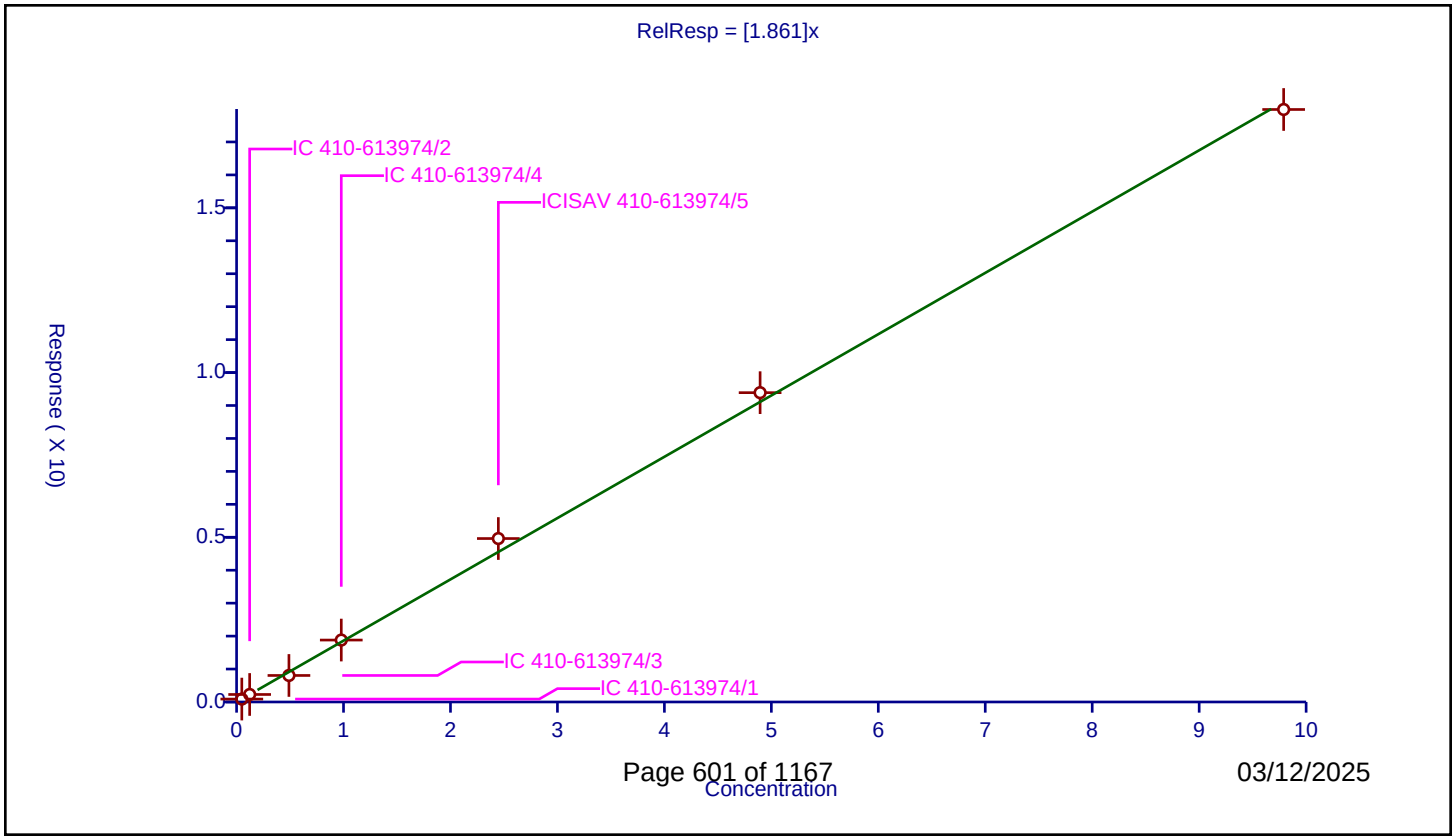
Curve Coefficients

Intercept:	0
Slope:	1.861

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.04895	0.088826	1.896	1129087.0	1.814635	Y
2	IC 410-613974/2	0.122375	0.227976	1.896	1137347.0	1.862927	Y
3	IC 410-613974/3	0.4895	0.805222	1.896	749392.0	1.644988	Y
4	IC 410-613974/4	0.979	1.880008	1.896	1092134.0	1.920335	Y
5	ICISAV 410-613974/5	2.4475	4.961314	1.896	1106325.0	2.027094	Y
6	IC 410-613974/6	4.895	9.389876	1.896	1003667.0	1.918259	Y
7	IC 410-613974/7	9.79	17.985447	1.896	1097408.0	1.837124	Y



Calibration / Perfluorooctanoic acid

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

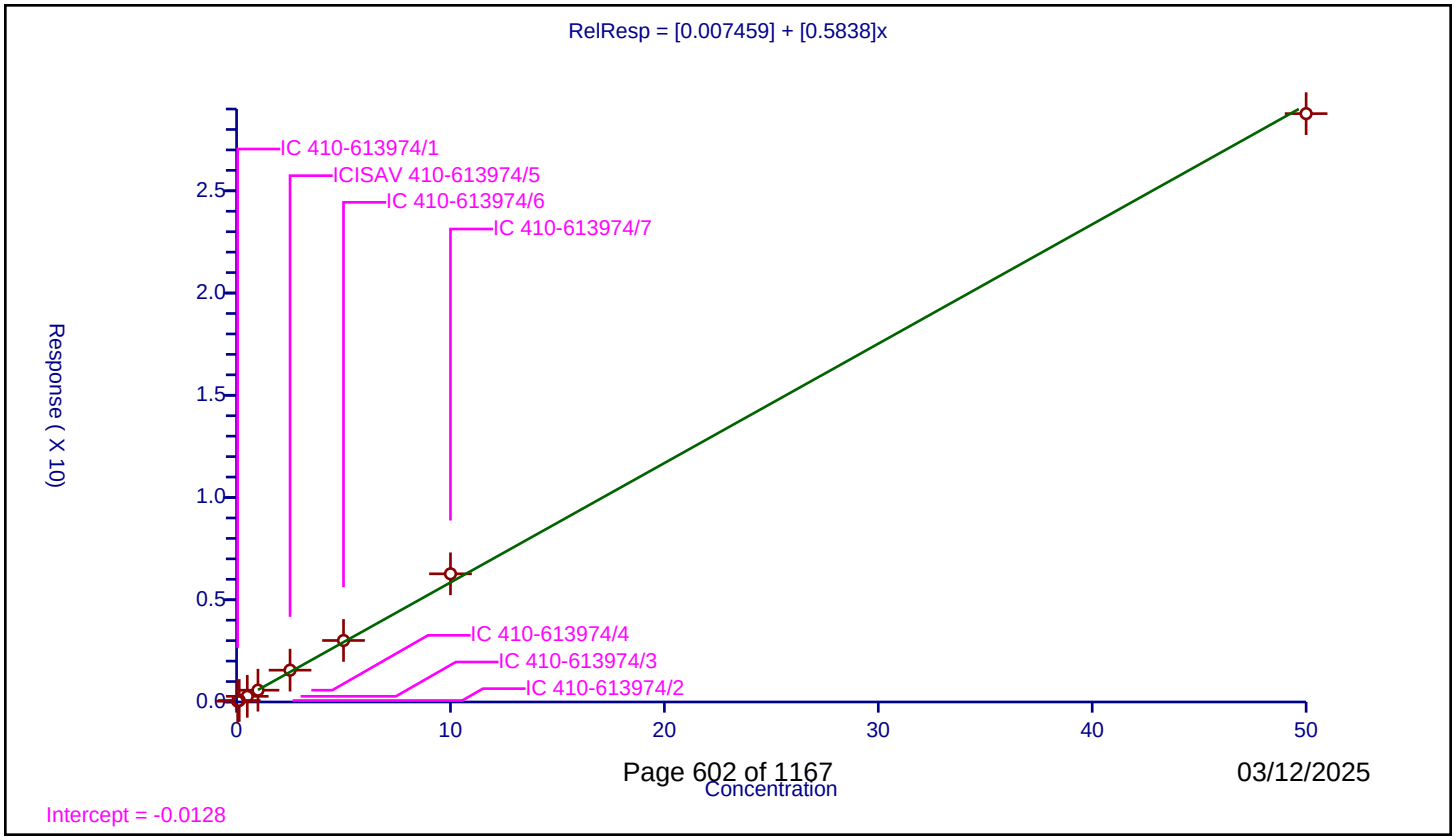
Curve Coefficients

Intercept:	0.007459
Slope:	0.5838

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.05	0.037889	2.0	2464544.0	0.757771	Y
2	IC 410-613974/2	0.125	0.073992	2.0	2522483.0	0.591937	Y
3	IC 410-613974/3	0.5	0.277078	2.0	1609581.0	0.554157	Y
4	IC 410-613974/4	1.0	0.576742	2.0	2308411.0	0.576742	Y
5	ICISAV 410-613974/5	2.5	1.556763	2.0	2362502.0	0.622705	Y
6	IC 410-613974/6	5.0	3.008605	2.0	1981579.0	0.601721	Y
7	IC 410-613974/7	10.0	6.268731	2.0	2174182.0	0.626873	Y
8	IC 410-613974/8	50.0	28.774498	2.0	1649211.0	0.57549	Y



Calibration / 7:3 FTCA

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

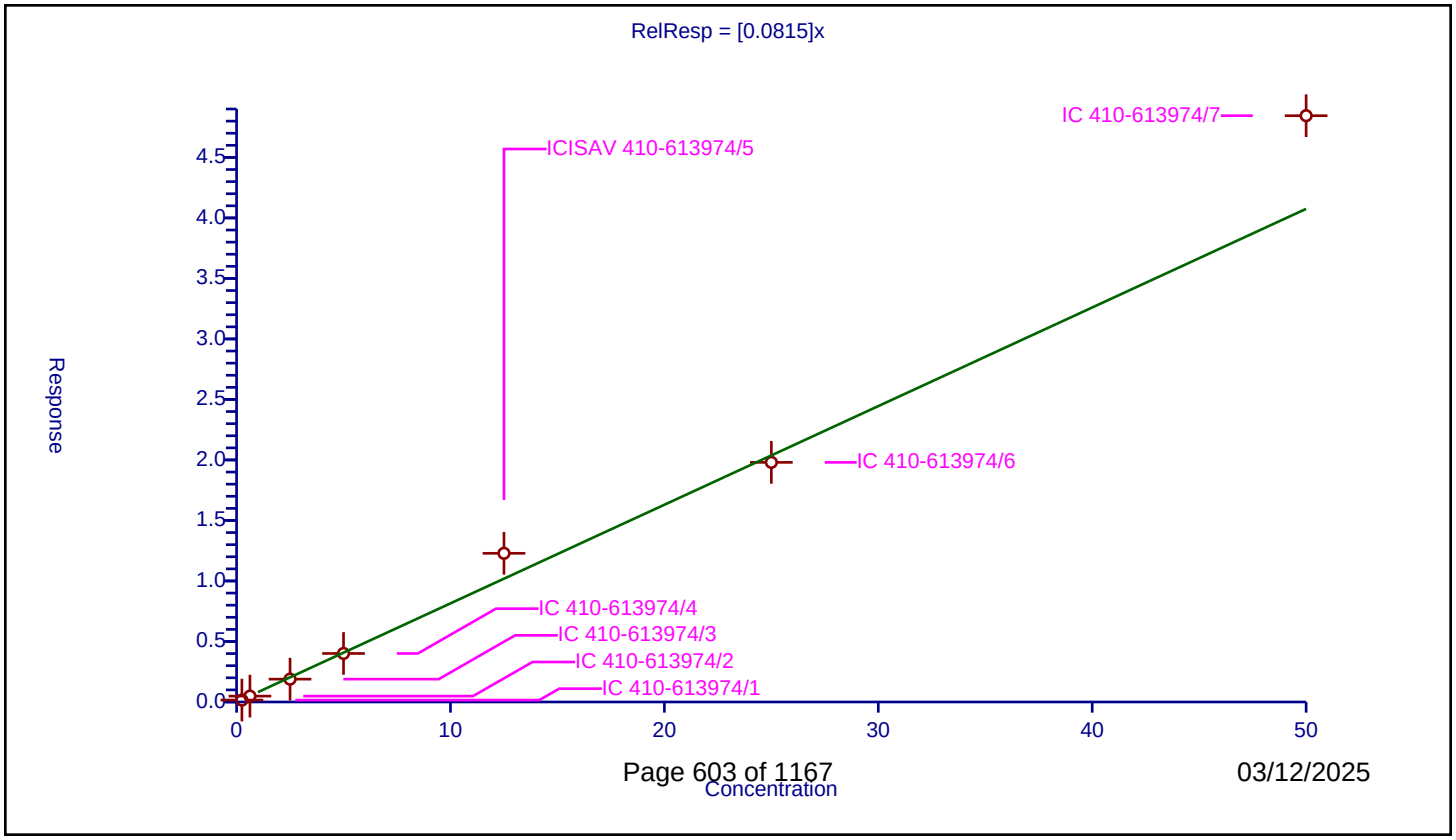
Curve Coefficients

Intercept:	0
Slope:	0.0815

Error Coefficients

Relative Standard Deviation:	15.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.25	0.015673	2.0	2280214.0	0.062692	Y
2	IC 410-613974/2	0.625	0.048555	2.0	2187078.0	0.077688	Y
3	IC 410-613974/3	2.5	0.188785	2.0	1426776.0	0.075514	Y
4	IC 410-613974/4	5.0	0.400982	2.0	2073535.0	0.080196	Y
5	ICISAV 410-613974/5	12.5	1.228621	2.0	1987398.0	0.09829	Y
6	IC 410-613974/6	25.0	1.980128	2.0	1957980.0	0.079205	Y
7	IC 410-613974/7	50.0	4.84472	2.0	1913330.0	0.096894	Y



Calibration / Perfluorohexanesulfonic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

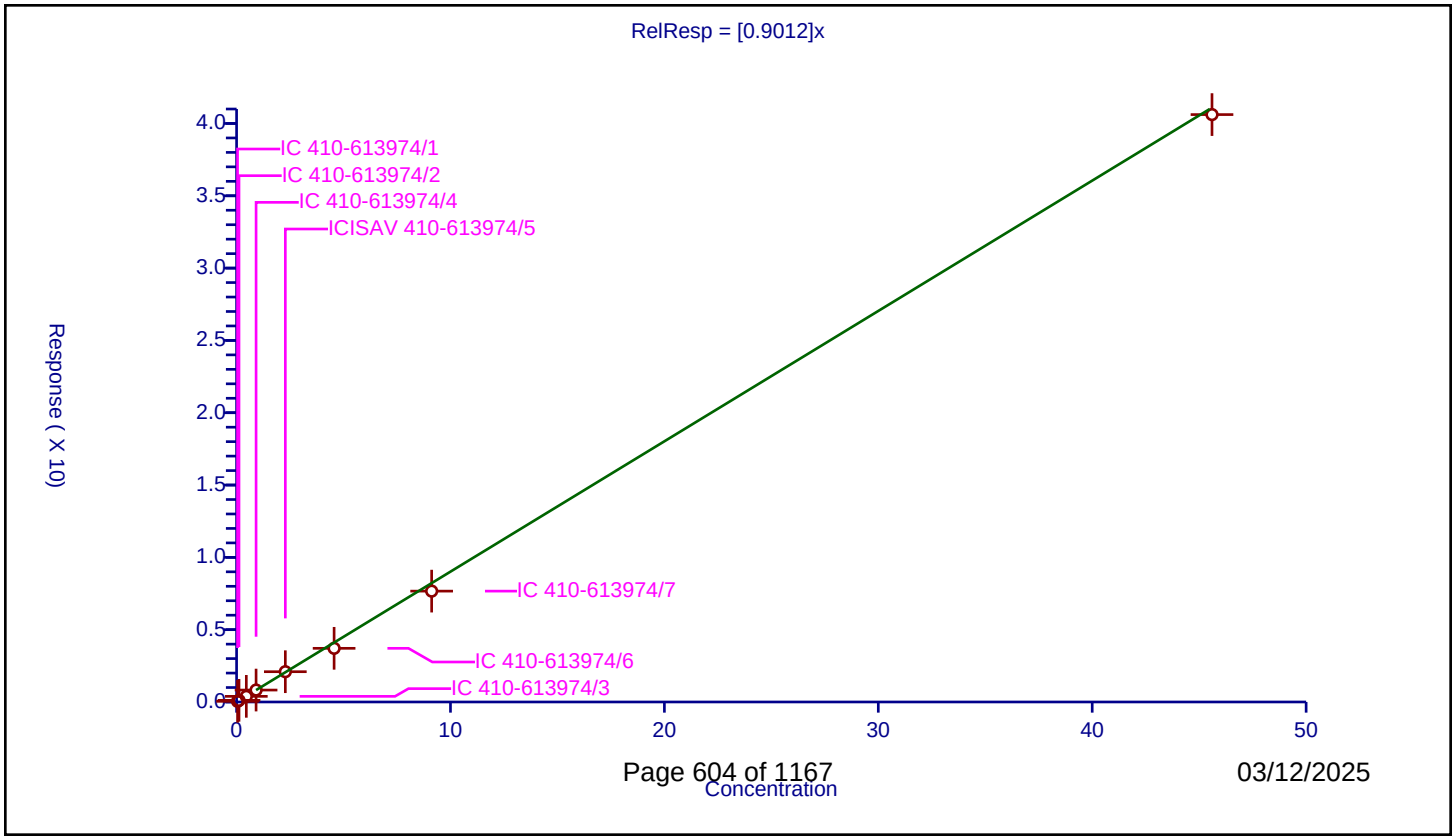
Curve Coefficients

Intercept:	0
Slope:	0.9012

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.0456	0.045317	1.896	1129087.0	0.993804	Y
2	IC 410-613974/2	0.114	0.11322	1.896	1137347.0	0.993159	Y
3	IC 410-613974/3	0.456	0.389365	1.896	749392.0	0.85387	Y
4	IC 410-613974/4	0.912	0.825487	1.896	1092134.0	0.905139	Y
5	ICISAV 410-613974/5	2.28	2.094168	1.896	1106325.0	0.918495	Y
6	IC 410-613974/6	4.56	3.711333	1.896	1003667.0	0.813889	Y
7	IC 410-613974/7	9.12	7.666292	1.896	1097408.0	0.840602	Y
8	IC 410-613974/8	45.6	40.613746	1.896	784982.0	0.890652	Y



Calibration / Perfluorononanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

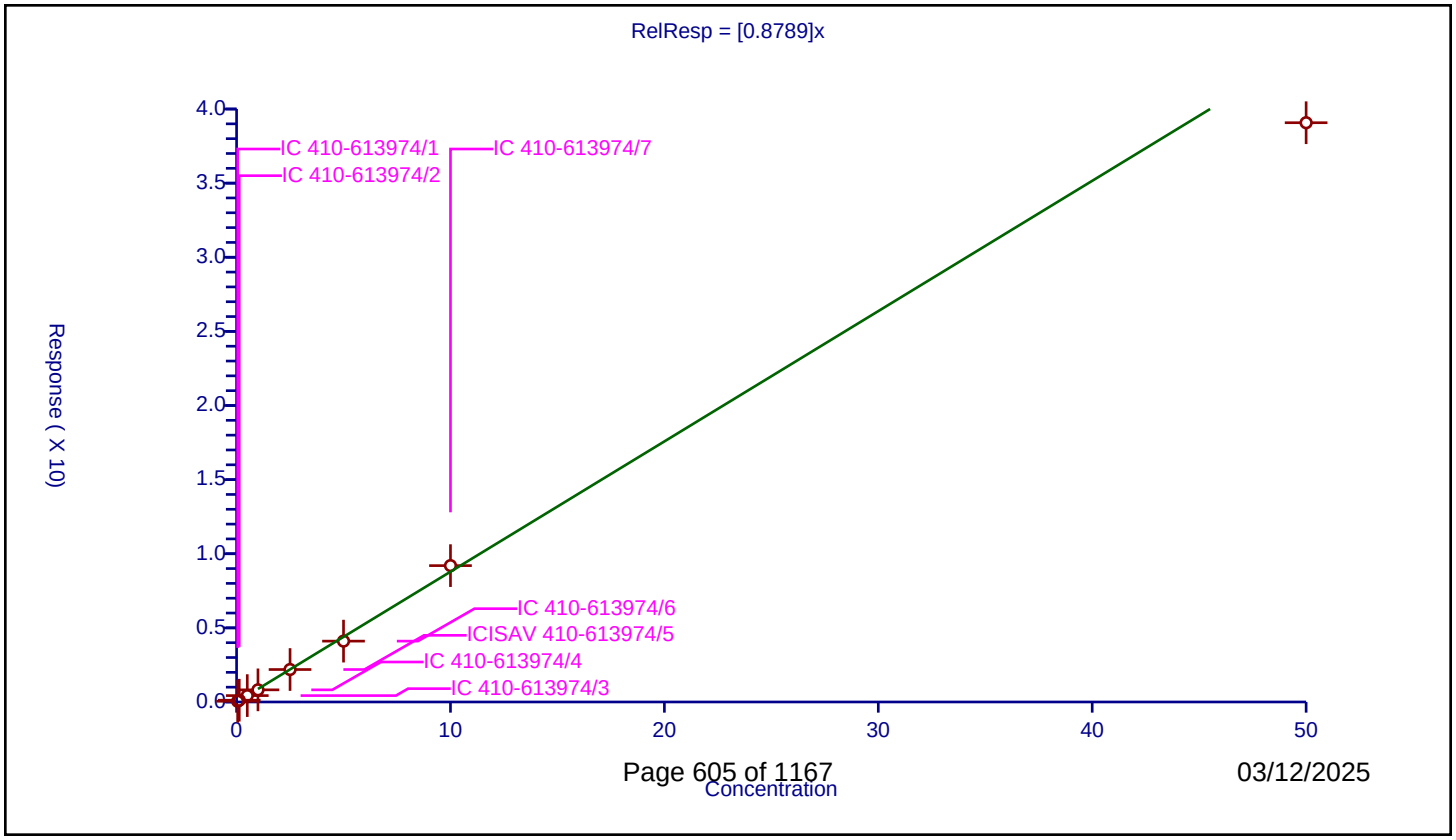
Curve Coefficients

Intercept:	0
Slope:	0.8789

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.05	0.049447	2.0	2253244.0	0.988939	Y
2	IC 410-613974/2	0.125	0.120162	2.0	2250273.0	0.961298	Y
3	IC 410-613974/3	0.5	0.431366	2.0	1425322.0	0.862733	Y
4	IC 410-613974/4	1.0	0.819466	2.0	2102501.0	0.819466	Y
5	ICISAV 410-613974/5	2.5	2.190769	2.0	2160669.0	0.876307	Y
6	IC 410-613974/6	5.0	4.105918	2.0	1859452.0	0.821184	Y
7	IC 410-613974/7	10.0	9.197873	2.0	1927748.0	0.919787	Y
8	IC 410-613974/8	50.0	39.076109	2.0	1462646.0	0.781522	Y



Calibration / 1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

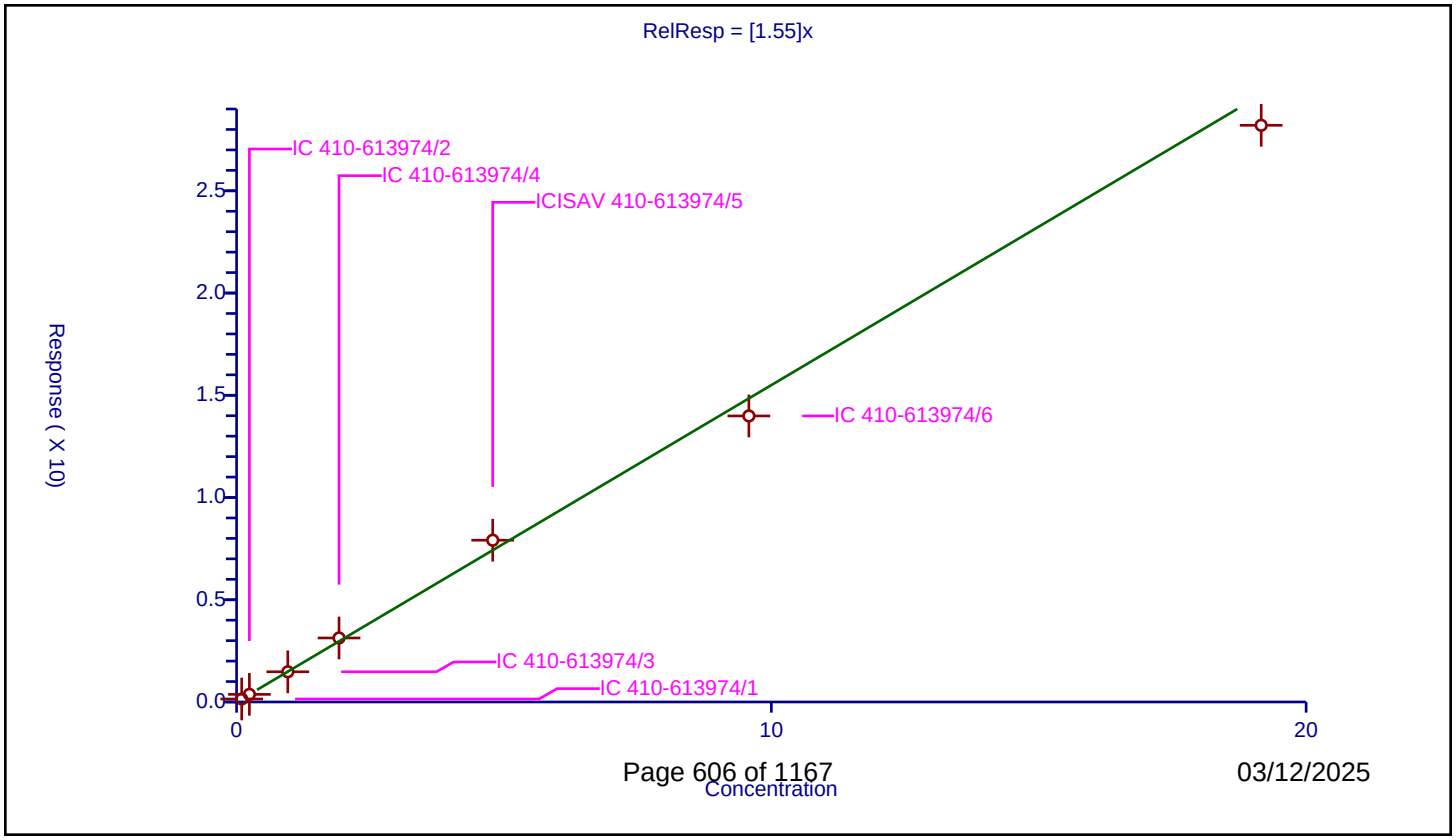
Curve Coefficients

Intercept:	0
Slope:	1.55

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.0958	0.146926	4.8	556491.0	1.533678	Y
2	IC 410-613974/2	0.2395	0.372461	4.8	552026.0	1.55516	Y
3	IC 410-613974/3	0.958	1.476973	4.8	350829.0	1.541725	Y
4	IC 410-613974/4	1.916	3.130669	4.8	508981.0	1.633961	Y
5	ICISAV 410-613974/5	4.79	7.911143	4.8	522025.0	1.651596	Y
6	IC 410-613974/6	9.58	13.988999	4.8	466241.0	1.46023	Y
7	IC 410-613974/7	19.16	28.203141	4.8	496736.0	1.47198	Y



Calibration / PFECHS

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

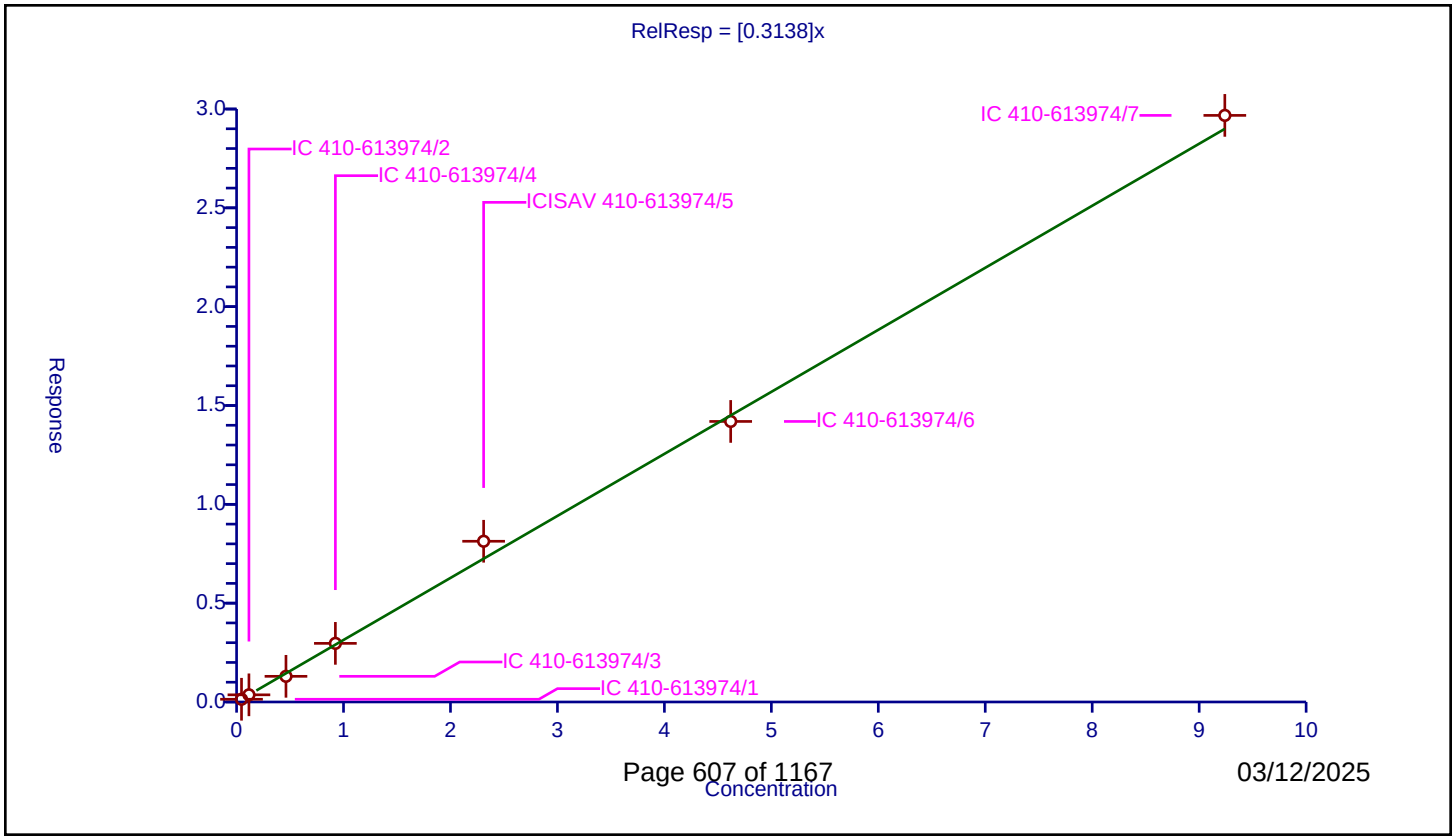
Curve Coefficients

Intercept:	0
Slope:	0.3138

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.0462	0.013876	1.896	1129087.0	0.300336	Y
2	IC 410-613974/2	0.1155	0.036251	1.896	1137347.0	0.313865	Y
3	IC 410-613974/3	0.462	0.129817	1.896	749392.0	0.280989	Y
4	IC 410-613974/4	0.924	0.296644	1.896	1092134.0	0.321043	Y
5	ICISAV 410-613974/5	2.31	0.813191	1.896	1106325.0	0.352031	Y
6	IC 410-613974/6	4.62	1.419372	1.896	1003667.0	0.307223	Y
7	IC 410-613974/7	9.24	2.967728	1.896	1097408.0	0.321183	Y



Calibration / Perfluoroheptanesulfonic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

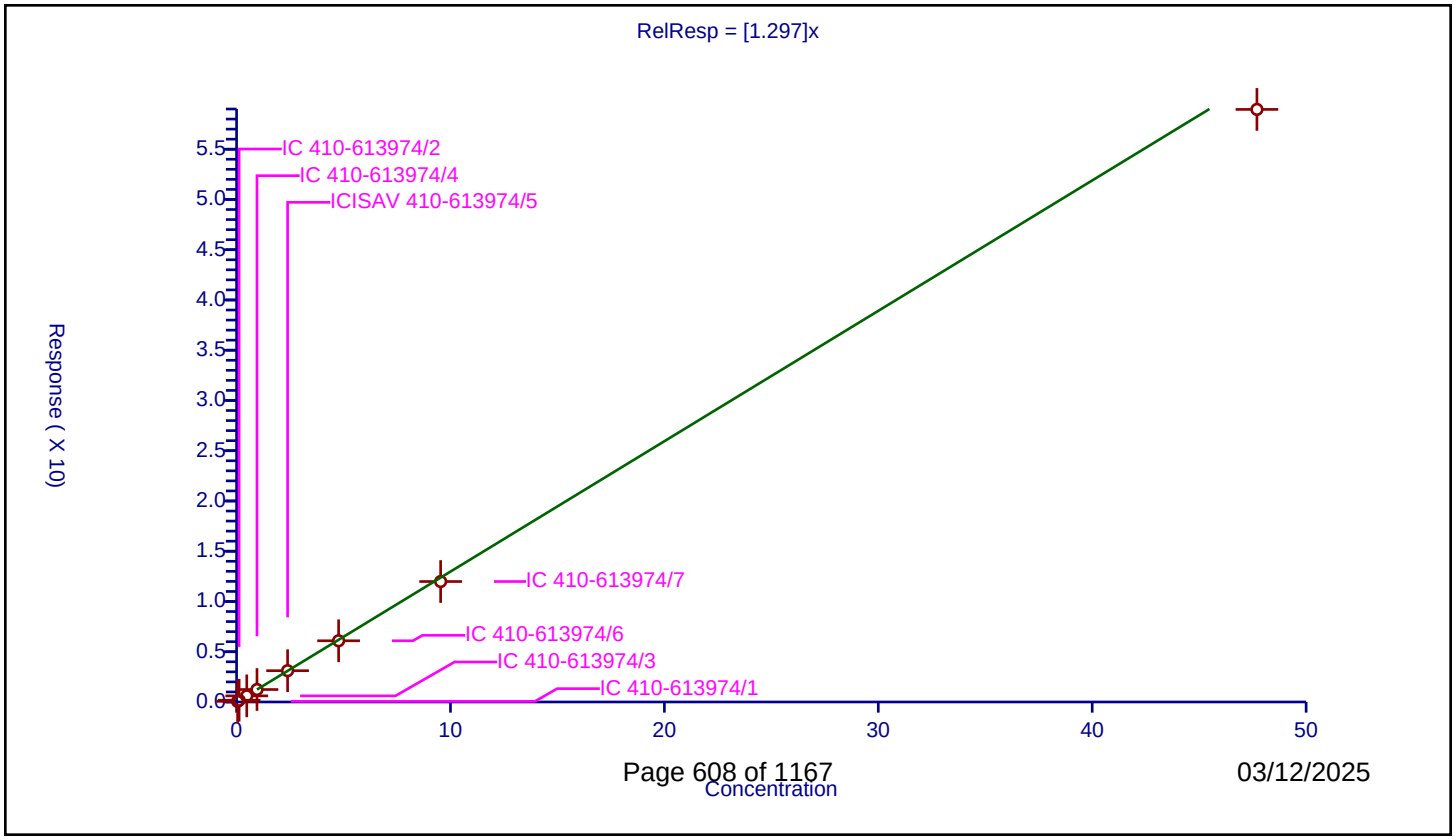
Curve Coefficients

Intercept:	0
Slope:	1.297

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.0477	0.06107	1.912	949557.0	1.280285	Y
2	IC 410-613974/2	0.11925	0.172459	1.912	923467.0	1.446196	Y
3	IC 410-613974/3	0.477	0.609332	1.912	621052.0	1.277426	Y
4	IC 410-613974/4	0.954	1.239898	1.912	918158.0	1.299683	Y
5	ICISAV 410-613974/5	2.385	3.113138	1.912	970357.0	1.305299	Y
6	IC 410-613974/6	4.77	6.090514	1.912	821469.0	1.276837	Y
7	IC 410-613974/7	9.54	11.986603	1.912	874001.0	1.256457	Y
8	IC 410-613974/8	47.7	58.959063	1.912	622154.0	1.236039	Y



Calibration / N-methylperfluorooctanesulfonamidoacetic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

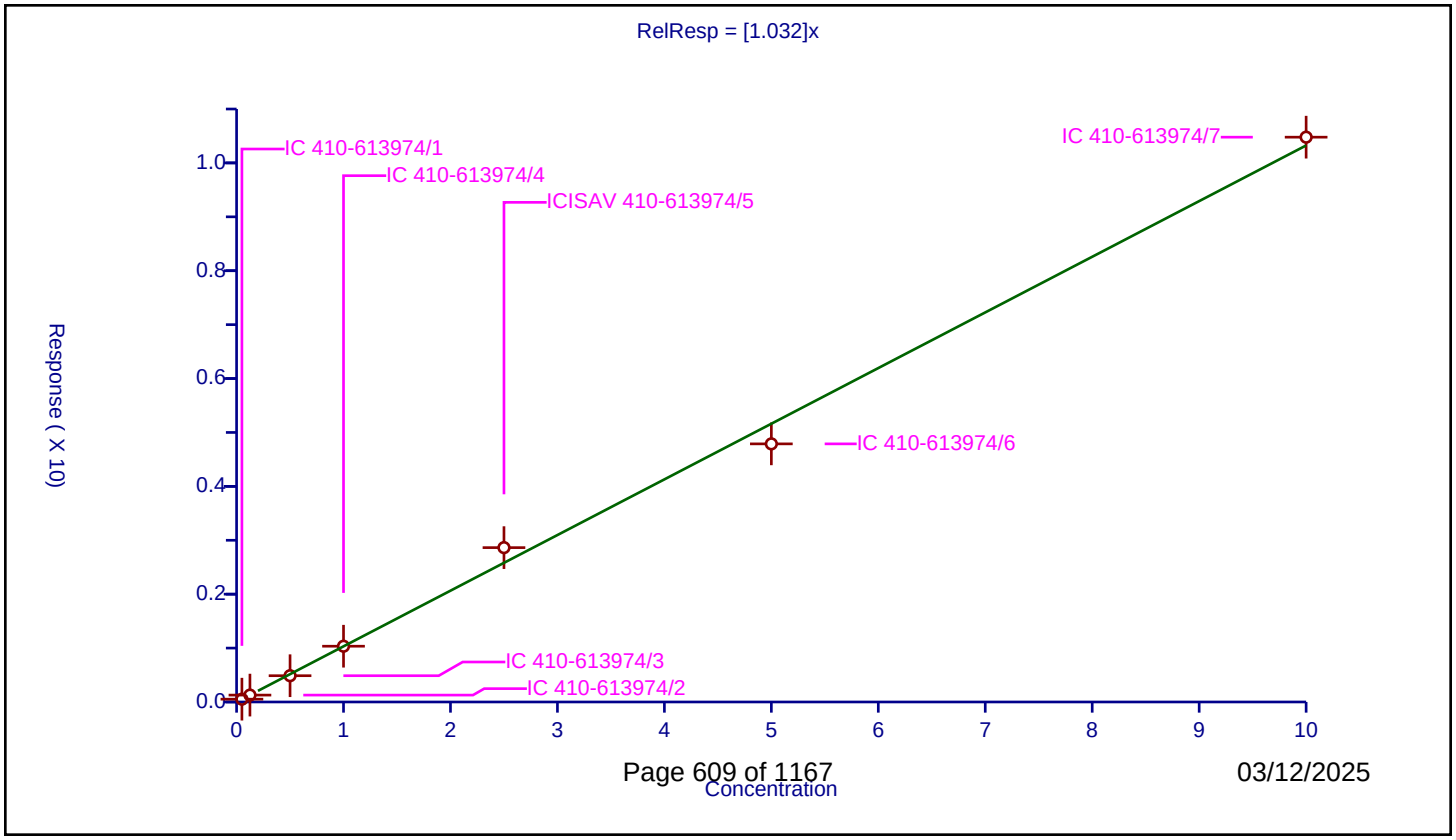
Curve Coefficients

Intercept:	0
Slope:	1.032

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.05	0.052048	5.0	1646764.0	1.040951	Y
2	IC 410-613974/2	0.125	0.128117	5.0	1665552.0	1.024933	Y
3	IC 410-613974/3	0.5	0.487748	5.0	1060968.0	0.975496	Y
4	IC 410-613974/4	1.0	1.034526	5.0	1498179.0	1.034526	Y
5	ICISAV 410-613974/5	2.5	2.863255	5.0	1431923.0	1.145302	Y
6	IC 410-613974/6	5.0	4.788142	5.0	1320132.0	0.957628	Y
7	IC 410-613974/7	10.0	10.477824	5.0	1370588.0	1.047782	Y



Calibration / FHxSA

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

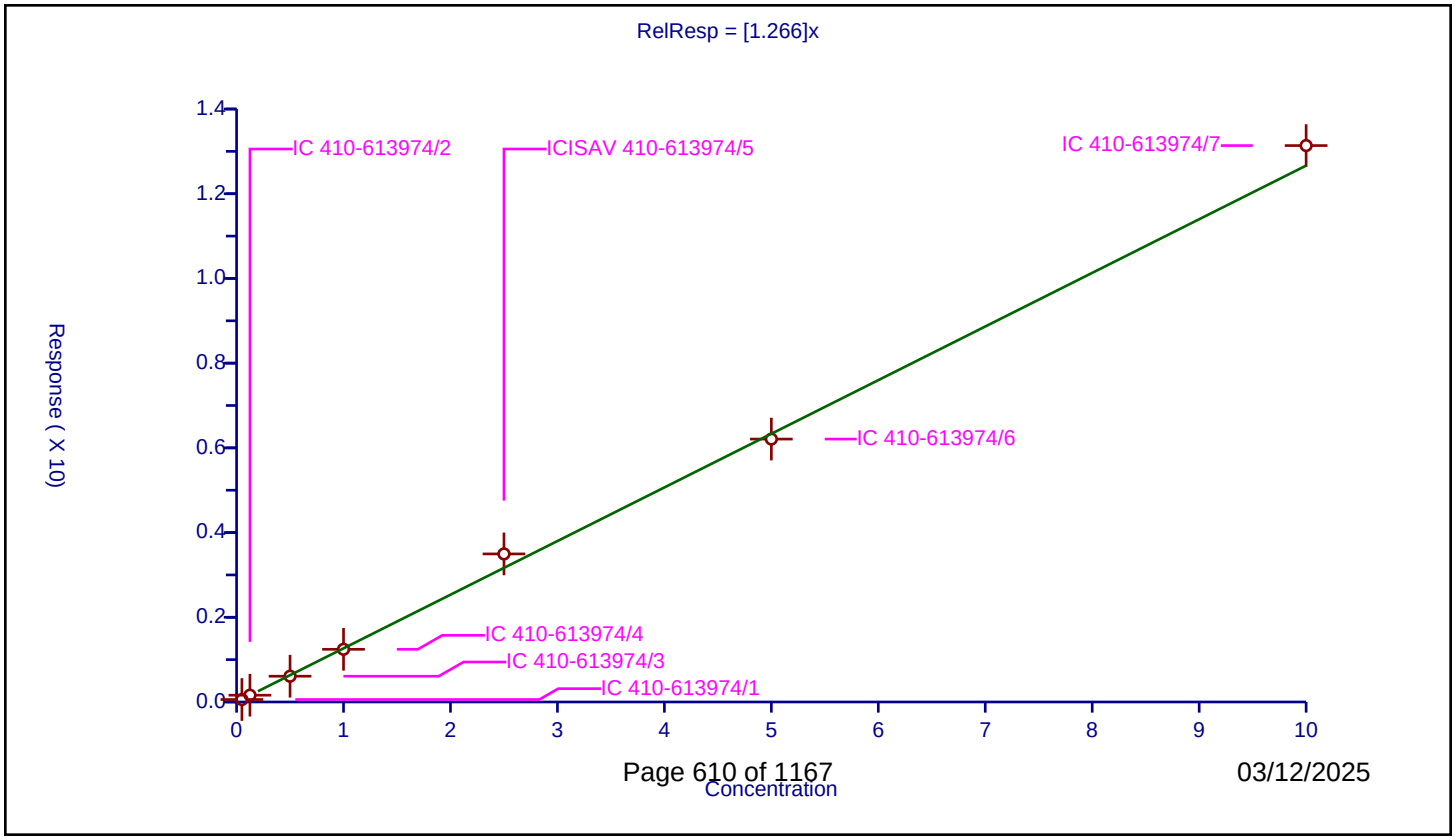
Curve Coefficients

Intercept:	0
Slope:	1.266

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.05	0.058338	1.896	1129087.0	1.166765	Y
2	IC 410-613974/2	0.125	0.160371	1.896	1137347.0	1.282965	Y
3	IC 410-613974/3	0.5	0.608639	1.896	749392.0	1.217278	Y
4	IC 410-613974/4	1.0	1.244068	1.896	1092134.0	1.244068	Y
5	ICISAV 410-613974/5	2.5	3.49603	1.896	1106325.0	1.398412	Y
6	IC 410-613974/6	5.0	6.207656	1.896	1003667.0	1.241531	Y
7	IC 410-613974/7	10.0	13.13681	1.896	1097408.0	1.313681	Y



Calibration / Perfluorodecanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

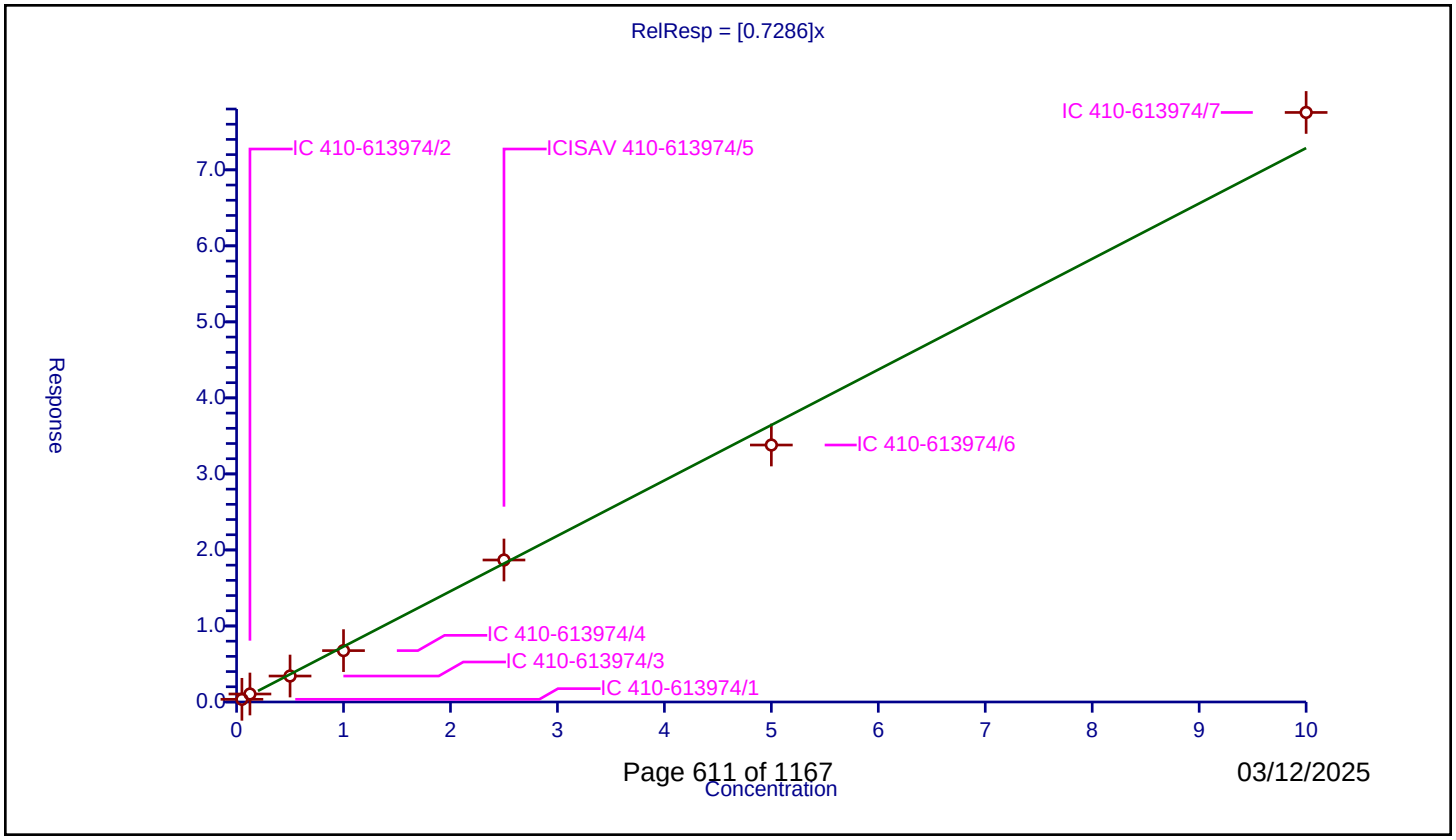
Curve Coefficients

Intercept:	0
Slope:	0.7286

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.05	0.035147	2.0	2193695.0	0.702942	Y
2	IC 410-613974/2	0.125	0.105076	2.0	2023658.0	0.840608	Y
3	IC 410-613974/3	0.5	0.341308	2.0	1323549.0	0.682616	Y
4	IC 410-613974/4	1.0	0.675628	2.0	2010278.0	0.675628	Y
5	ICISAV 410-613974/5	2.5	1.867687	2.0	1990077.0	0.747075	Y
6	IC 410-613974/6	5.0	3.380106	2.0	1773523.0	0.676021	Y
7	IC 410-613974/7	10.0	7.754575	2.0	1757786.0	0.775458	Y



Calibration / N-ethylperfluorooctanesulfonamidoacetic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

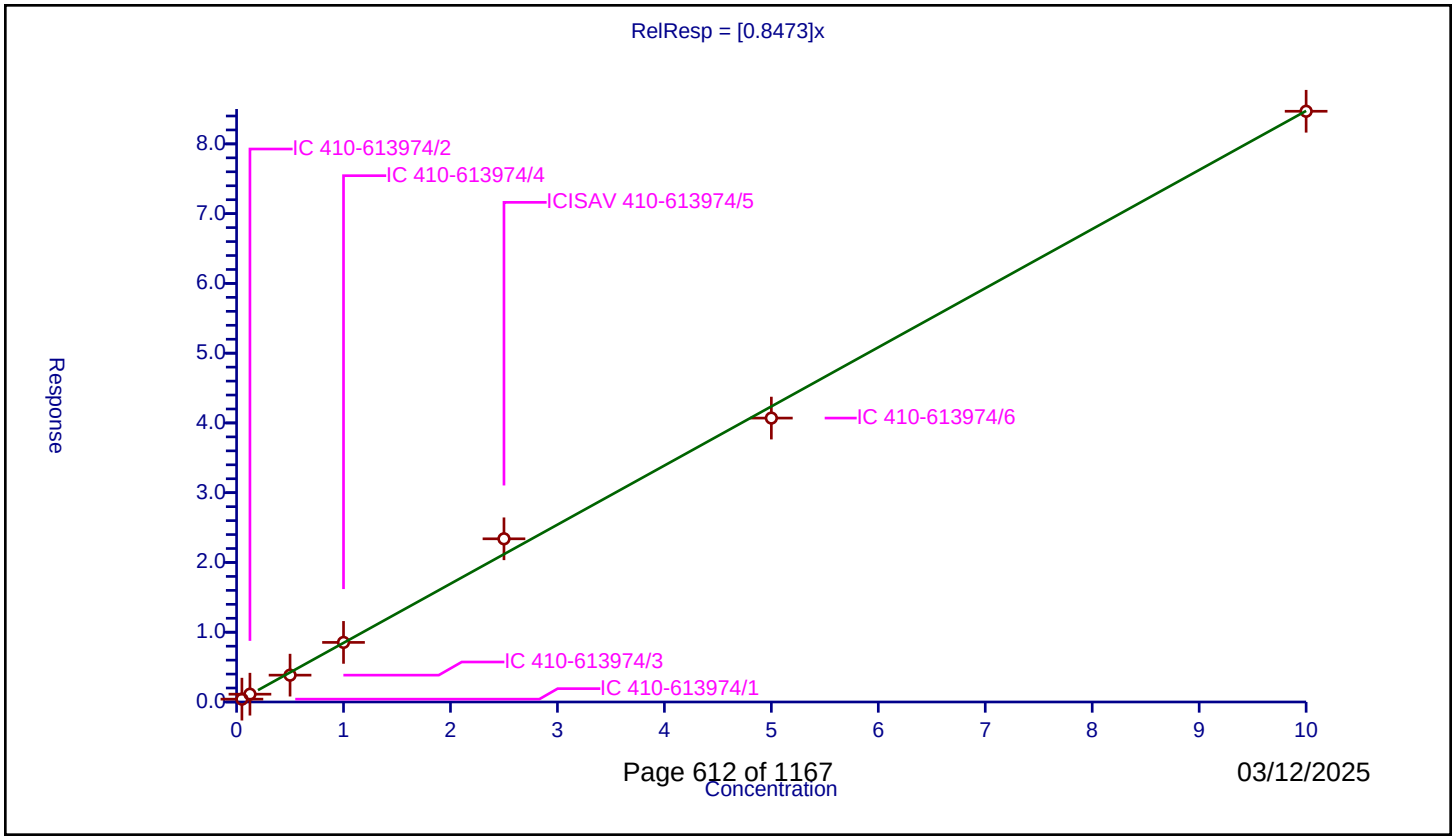
Curve Coefficients

Intercept:	0
Slope:	0.8473

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.05	0.040826	5.0	1424109.0	0.816511	Y
2	IC 410-613974/2	0.125	0.111877	5.0	1350551.0	0.895012	Y
3	IC 410-613974/3	0.5	0.384641	5.0	892131.0	0.769282	Y
4	IC 410-613974/4	1.0	0.854012	5.0	1286486.0	0.854012	Y
5	ICISAV 410-613974/5	2.5	2.339142	5.0	1222944.0	0.935657	Y
6	IC 410-613974/6	5.0	4.069671	5.0	1122780.0	0.813934	Y
7	IC 410-613974/7	10.0	8.468061	5.0	1211318.0	0.846806	Y



Calibration / Perfluorooctanesulfonic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

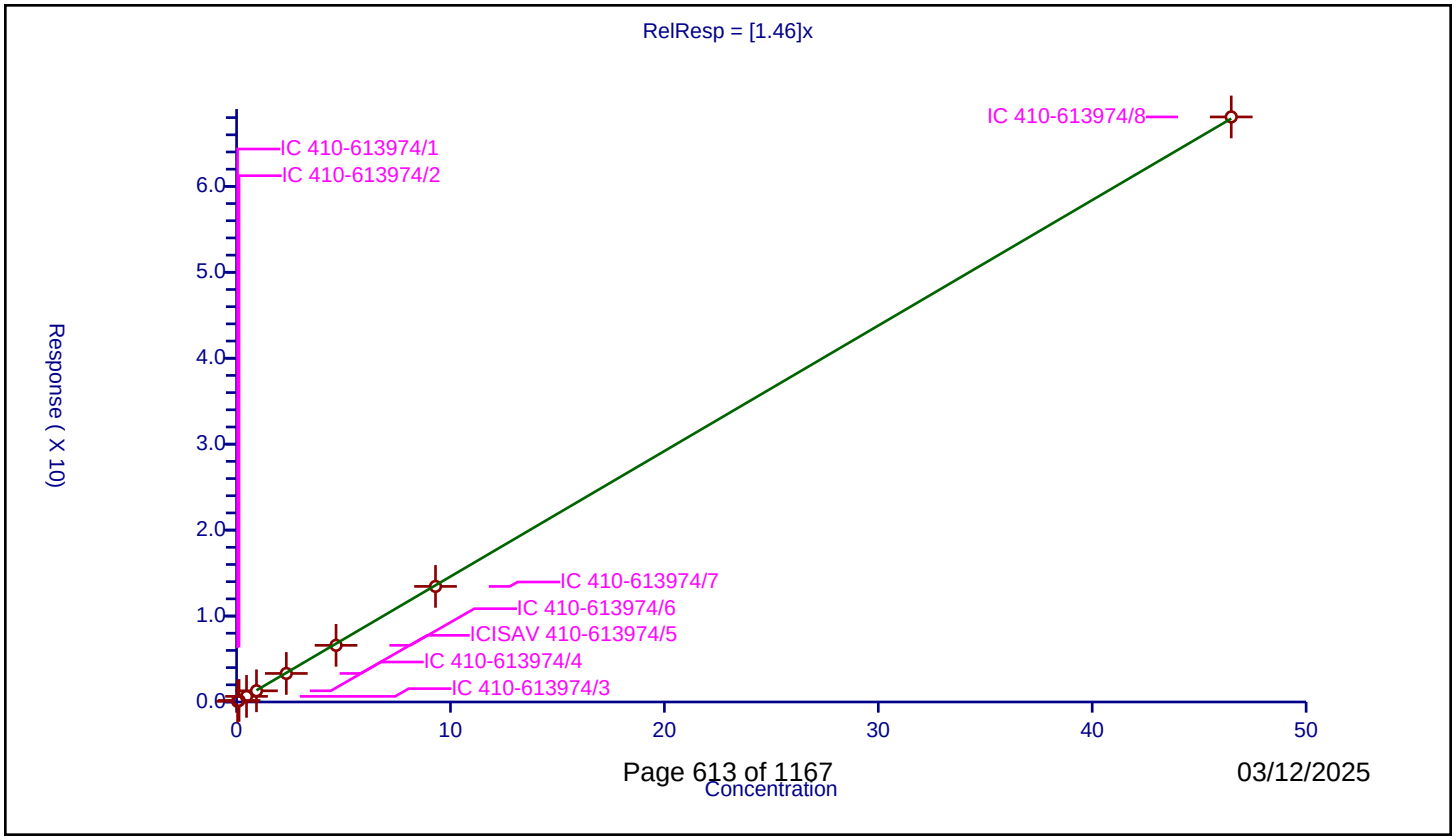
Curve Coefficients

Intercept:	0
Slope:	1.46

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.0465	0.071977	1.912	949557.0	1.547894	Y
2	IC 410-613974/2	0.11625	0.182703	1.912	923467.0	1.571643	Y
3	IC 410-613974/3	0.465	0.653055	1.912	621052.0	1.404419	Y
4	IC 410-613974/4	0.93	1.301302	1.912	918158.0	1.39925	Y
5	ICISAV 410-613974/5	2.325	3.321416	1.912	970357.0	1.428566	Y
6	IC 410-613974/6	4.65	6.592736	1.912	821469.0	1.417793	Y
7	IC 410-613974/7	9.3	13.449439	1.912	874001.0	1.446176	Y
8	IC 410-613974/8	46.5	68.077817	1.912	622154.0	1.464039	Y



Calibration / Perfluoroundecanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

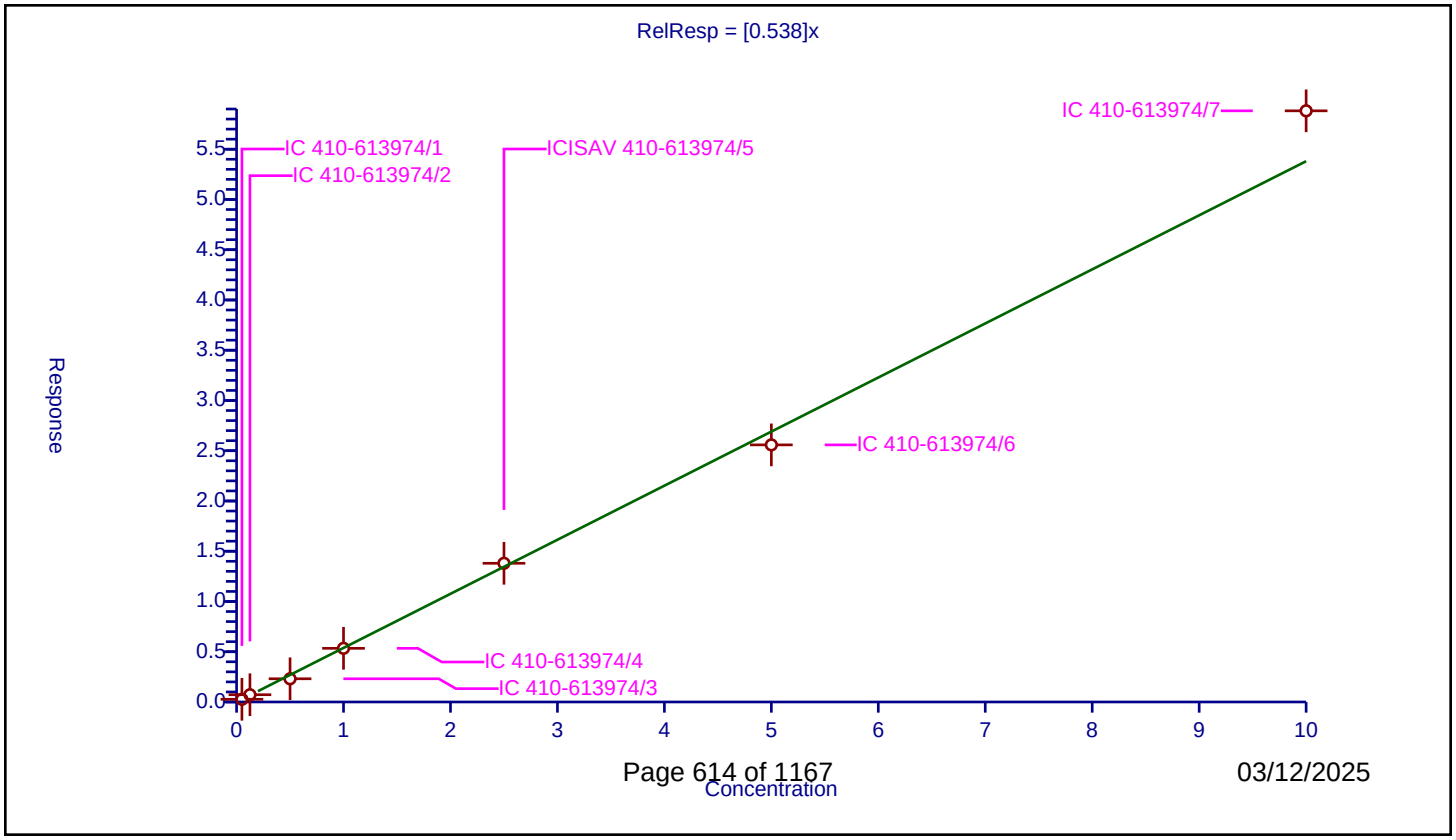
Curve Coefficients

Intercept:	0
Slope:	0.538

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.05	0.026975	2.0	2283960.0	0.539502	Y
2	IC 410-613974/2	0.125	0.072376	2.0	2142263.0	0.579006	Y
3	IC 410-613974/3	0.5	0.230964	2.0	1404246.0	0.461928	Y
4	IC 410-613974/4	1.0	0.533952	2.0	2016271.0	0.533952	Y
5	ICISAV 410-613974/5	2.5	1.380237	2.0	2060698.0	0.552095	Y
6	IC 410-613974/6	5.0	2.558225	2.0	1798694.0	0.511645	Y
7	IC 410-613974/7	10.0	5.882003	2.0	1890136.0	0.5882	Y



Calibration / 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

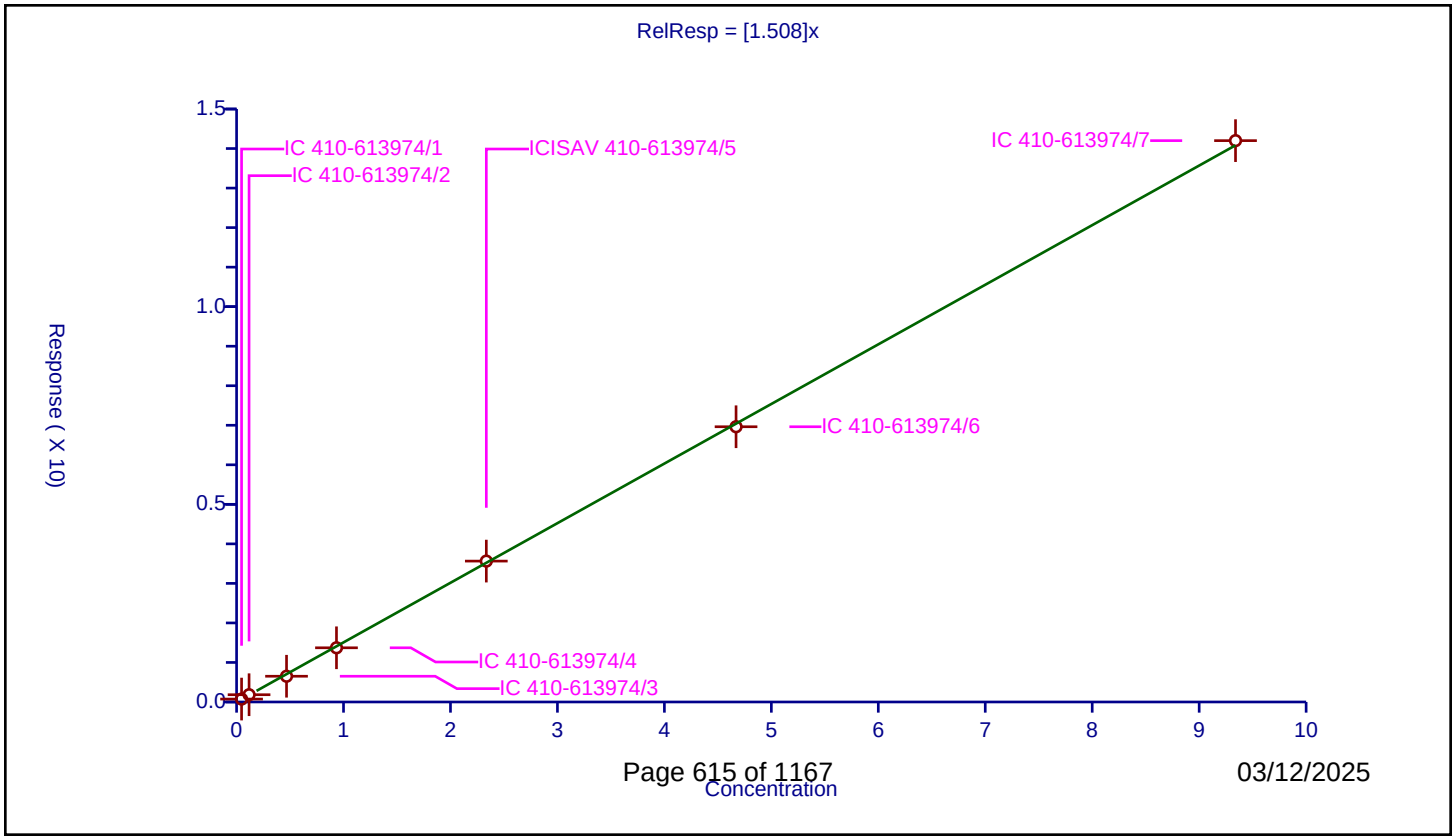
Curve Coefficients

Intercept:	0
Slope:	1.508

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.0467	0.0739	2.0	1895526.0	1.582448	Y
2	IC 410-613974/2	0.11675	0.183489	2.0	1948578.0	1.571637	Y
3	IC 410-613974/3	0.467	0.651362	2.0	1303079.0	1.394779	Y
4	IC 410-613974/4	0.934	1.370745	2.0	1895405.0	1.467607	Y
5	ICISAV 410-613974/5	2.335	3.564018	2.0	1988897.0	1.526346	Y
6	IC 410-613974/6	4.67	6.962317	2.0	1645426.0	1.49086	Y
7	IC 410-613974/7	9.34	14.200267	2.0	1788719.0	1.520371	Y



Calibration / Perfluorononanesulfonic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

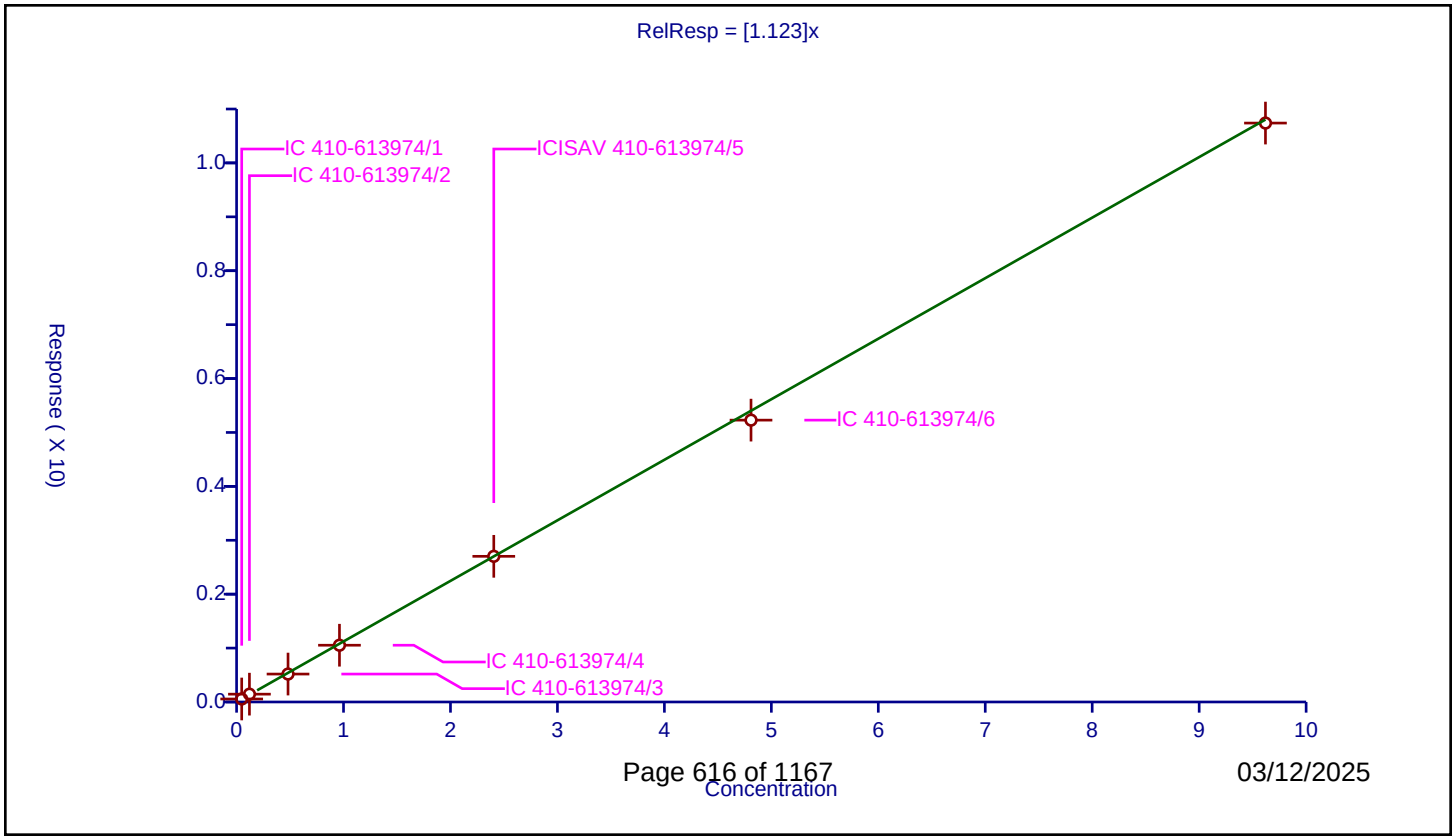
Curve Coefficients

Intercept:	0
Slope:	1.123

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.0481	0.055589	1.912	949557.0	1.155689	Y
2	IC 410-613974/2	0.12025	0.145131	1.912	923467.0	1.206909	Y
3	IC 410-613974/3	0.481	0.518336	1.912	621052.0	1.077623	Y
4	IC 410-613974/4	0.962	1.052929	1.912	918158.0	1.094521	Y
5	ICISAV 410-613974/5	2.405	2.702366	1.912	970357.0	1.123645	Y
6	IC 410-613974/6	4.81	5.228706	1.912	821469.0	1.087049	Y
7	IC 410-613974/7	9.62	10.739204	1.912	874001.0	1.116341	Y



Calibration / Perfluorododecanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

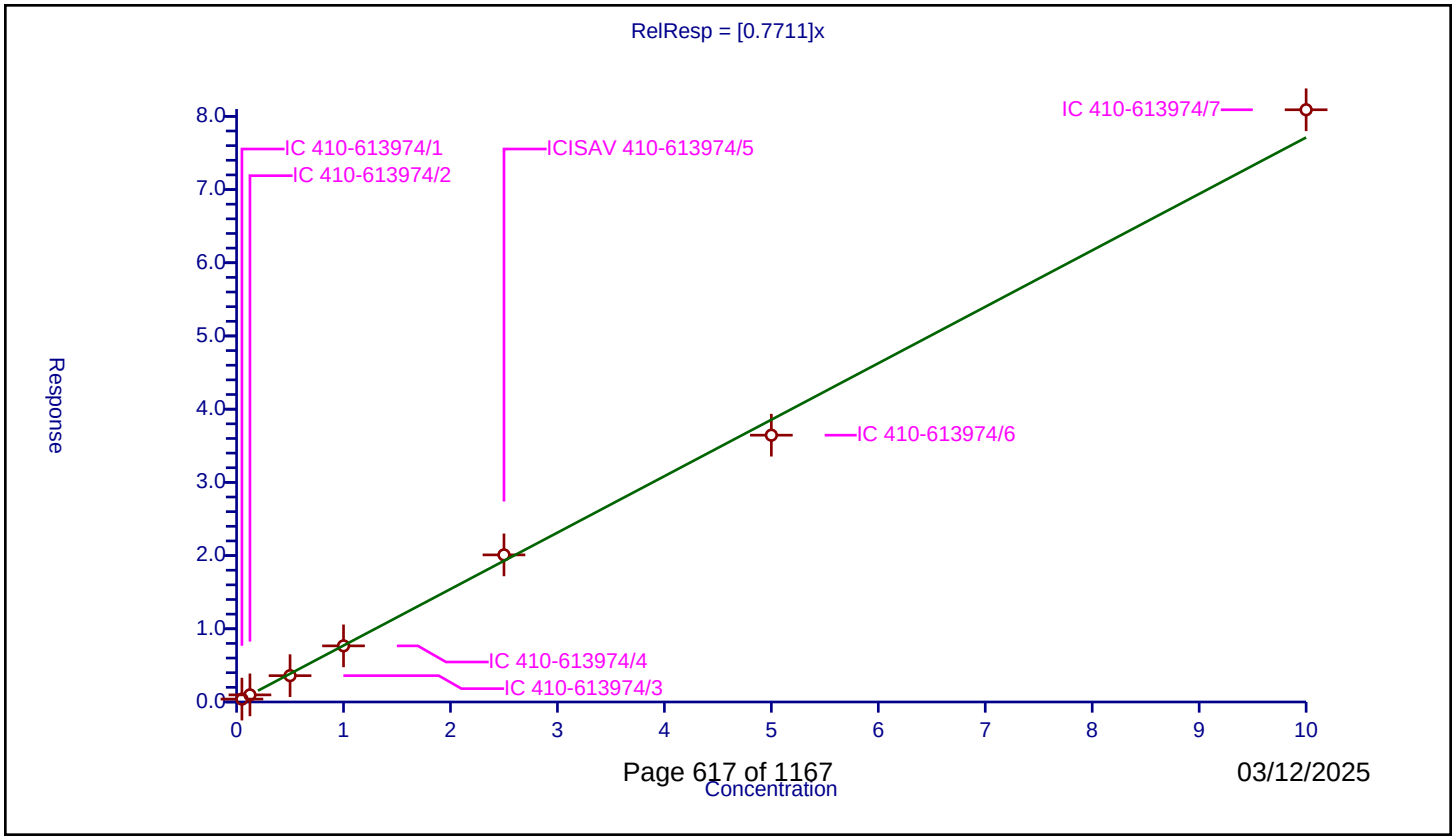
Curve Coefficients

Intercept:	0
Slope:	0.7711

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.05	0.039621	2.0	1926898.0	0.792424	Y
2	IC 410-613974/2	0.125	0.097195	2.0	1859374.0	0.777561	Y
3	IC 410-613974/3	0.5	0.359821	2.0	1197936.0	0.719641	Y
4	IC 410-613974/4	1.0	0.766624	2.0	1695866.0	0.766624	Y
5	ICISAV 410-613974/5	2.5	2.009569	2.0	1769797.0	0.803828	Y
6	IC 410-613974/6	5.0	3.64472	2.0	1629794.0	0.728944	Y
7	IC 410-613974/7	10.0	8.08993	2.0	1625286.0	0.808993	Y



Calibration / Perfluorooctanesulfonamide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

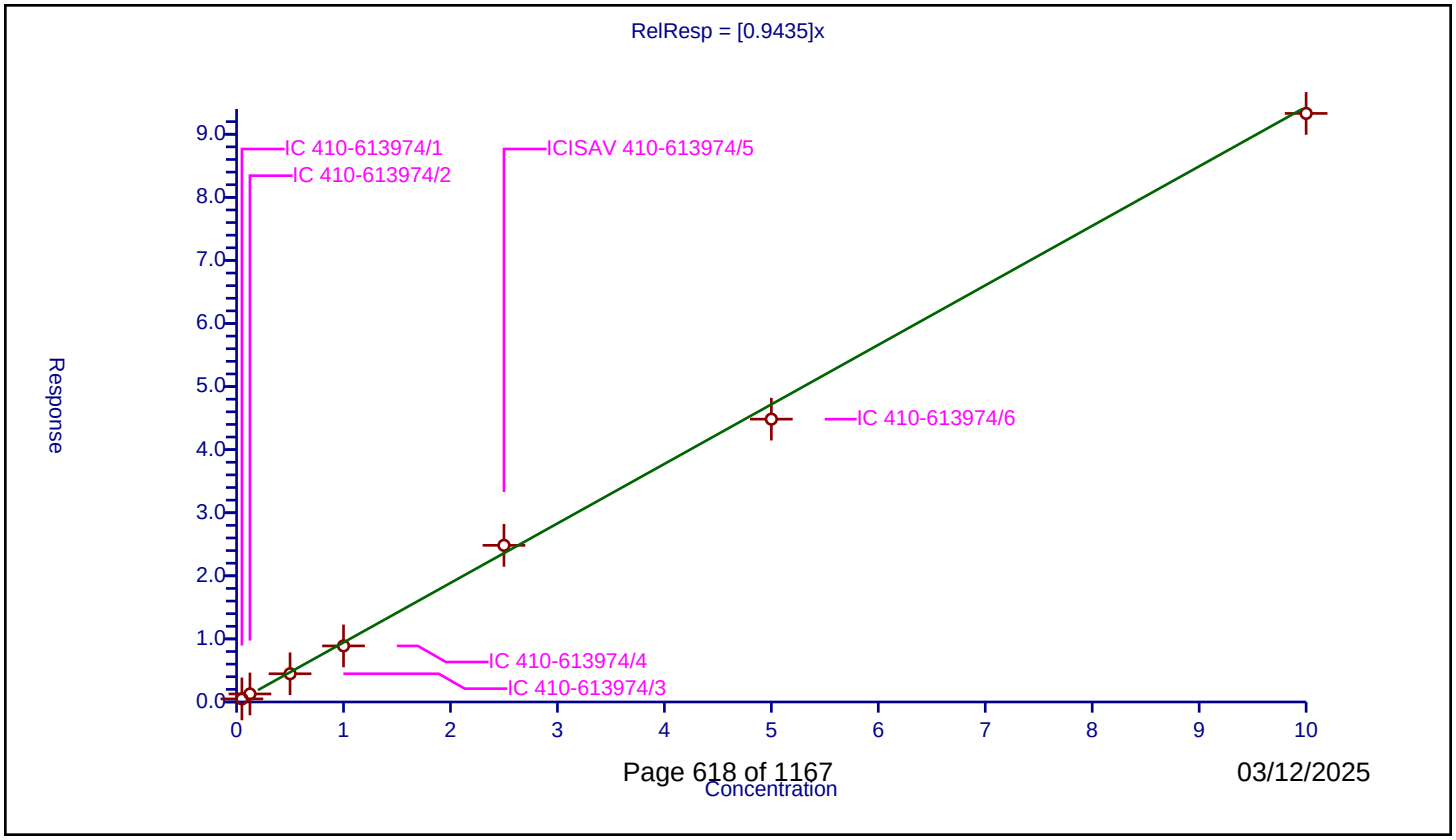
Curve Coefficients

Intercept:	0
Slope:	0.9435

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.05	0.048881	2.0	943971.0	0.977615	Y
2	IC 410-613974/2	0.125	0.127489	2.0	1028060.0	1.019909	Y
3	IC 410-613974/3	0.5	0.447345	2.0	691663.0	0.89469	Y
4	IC 410-613974/4	1.0	0.888994	2.0	1059017.0	0.888994	Y
5	ICISAV 410-613974/5	2.5	2.483463	2.0	1046153.0	0.993385	Y
6	IC 410-613974/6	5.0	4.483706	2.0	947448.0	0.896741	Y
7	IC 410-613974/7	10.0	9.33031	2.0	1044307.0	0.933031	Y



Calibration / Perfluorodecanesulfonic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

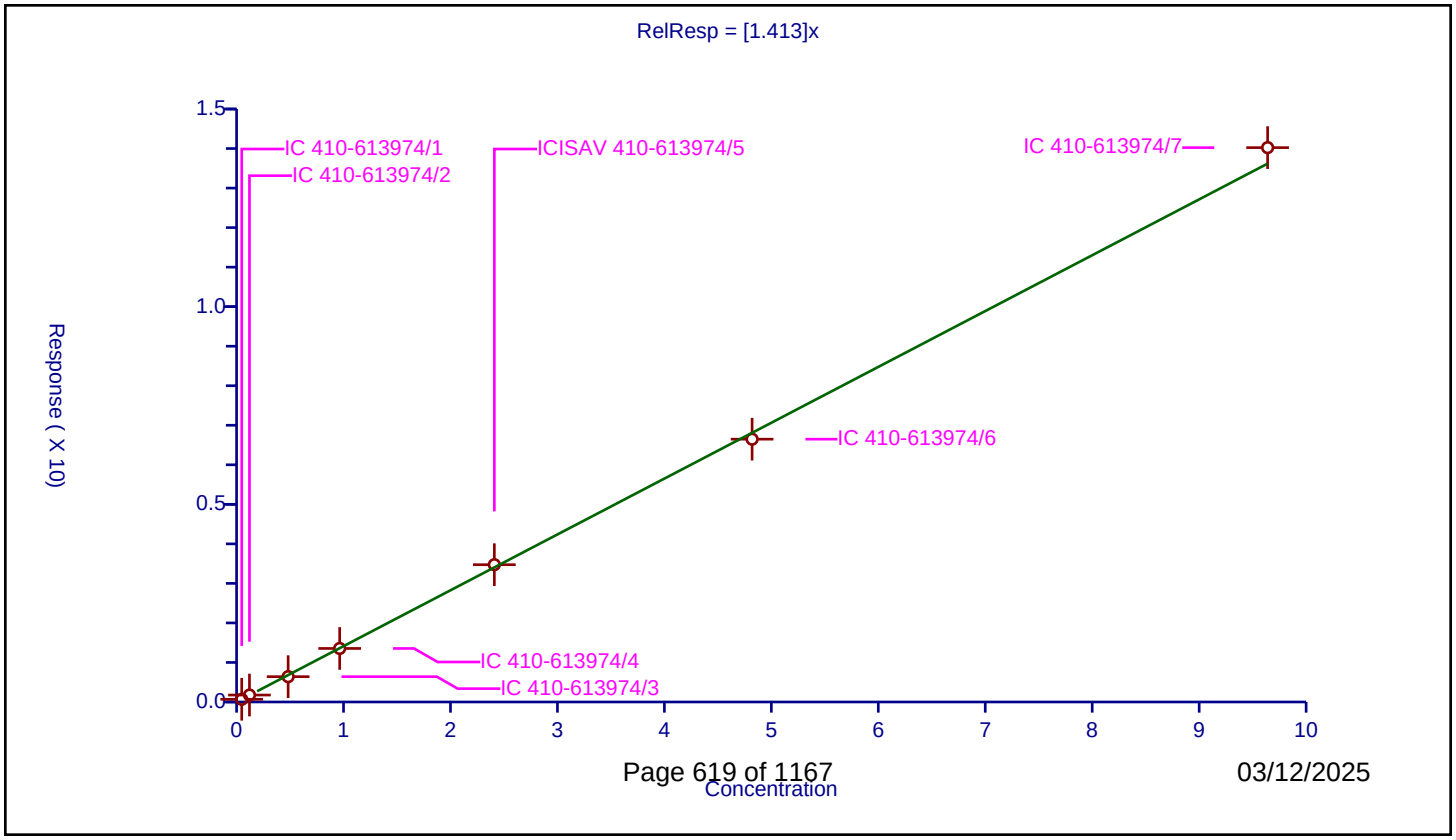
Curve Coefficients

Intercept:	0
Slope:	1.413

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.0482	0.0686	1.912	949557.0	1.423243	Y
2	IC 410-613974/2	0.1205	0.175571	1.912	923467.0	1.457019	Y
3	IC 410-613974/3	0.482	0.640257	1.912	621052.0	1.328334	Y
4	IC 410-613974/4	0.964	1.354356	1.912	918158.0	1.404934	Y
5	ICISAV 410-613974/5	2.41	3.473125	1.912	970357.0	1.441131	Y
6	IC 410-613974/6	4.82	6.647878	1.912	821469.0	1.379228	Y
7	IC 410-613974/7	9.64	14.02332	1.912	874001.0	1.454701	Y



Calibration / Perfluorotridecanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

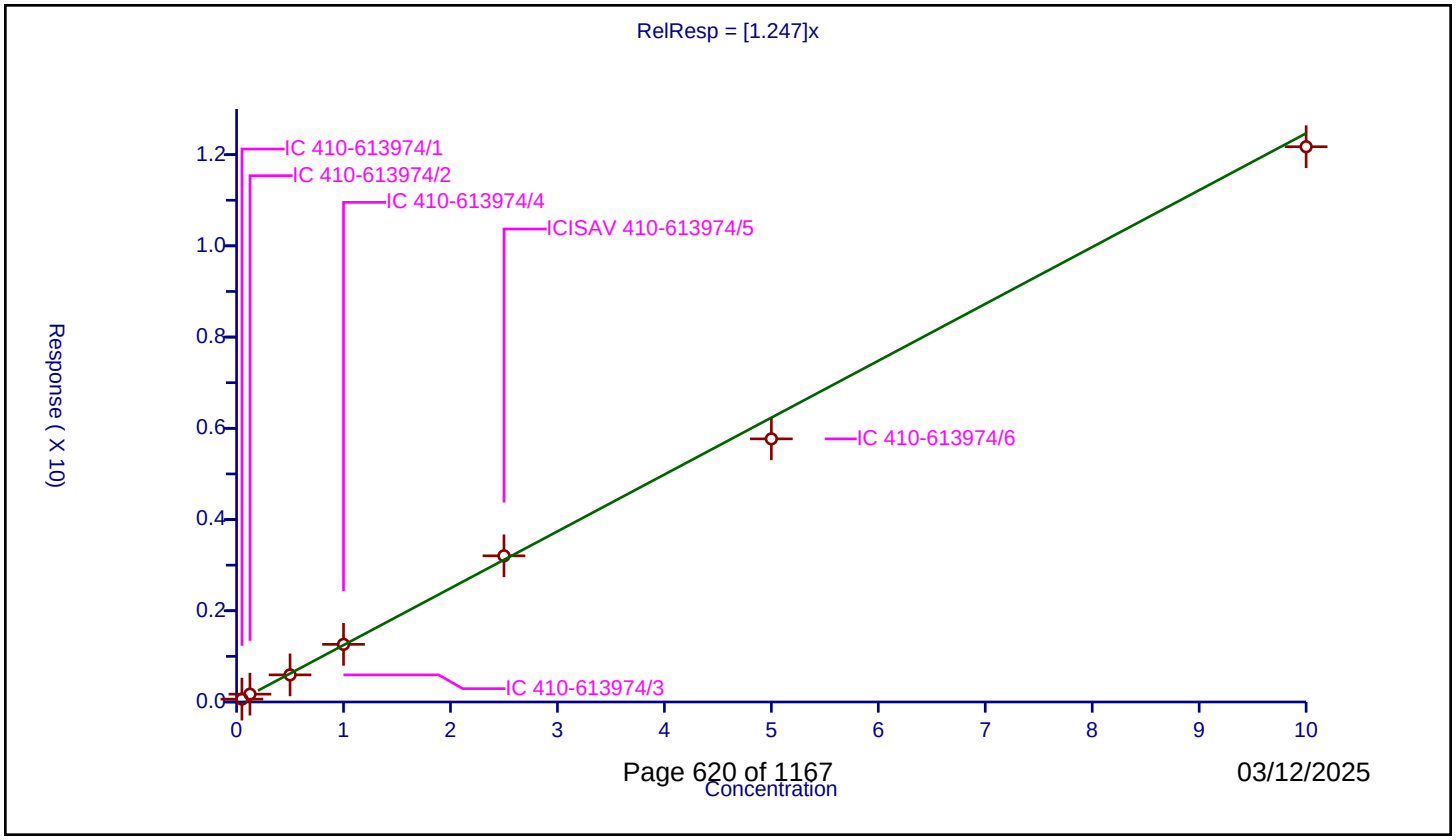
Curve Coefficients

Intercept:	0
Slope:	1.247

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.05	0.062563	2.0	1268671.0	1.251262	Y
2	IC 410-613974/2	0.125	0.171357	2.0	1255079.0	1.370852	Y
3	IC 410-613974/3	0.5	0.594049	2.0	826599.0	1.188097	Y
4	IC 410-613974/4	1.0	1.263586	2.0	1210061.0	1.263586	Y
5	ICISAV 410-613974/5	2.5	3.204719	2.0	1284045.0	1.281888	Y
6	IC 410-613974/6	5.0	5.769016	2.0	1183668.0	1.153803	Y
7	IC 410-613974/7	10.0	12.17348	2.0	1272143.0	1.217348	Y



Calibration / 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

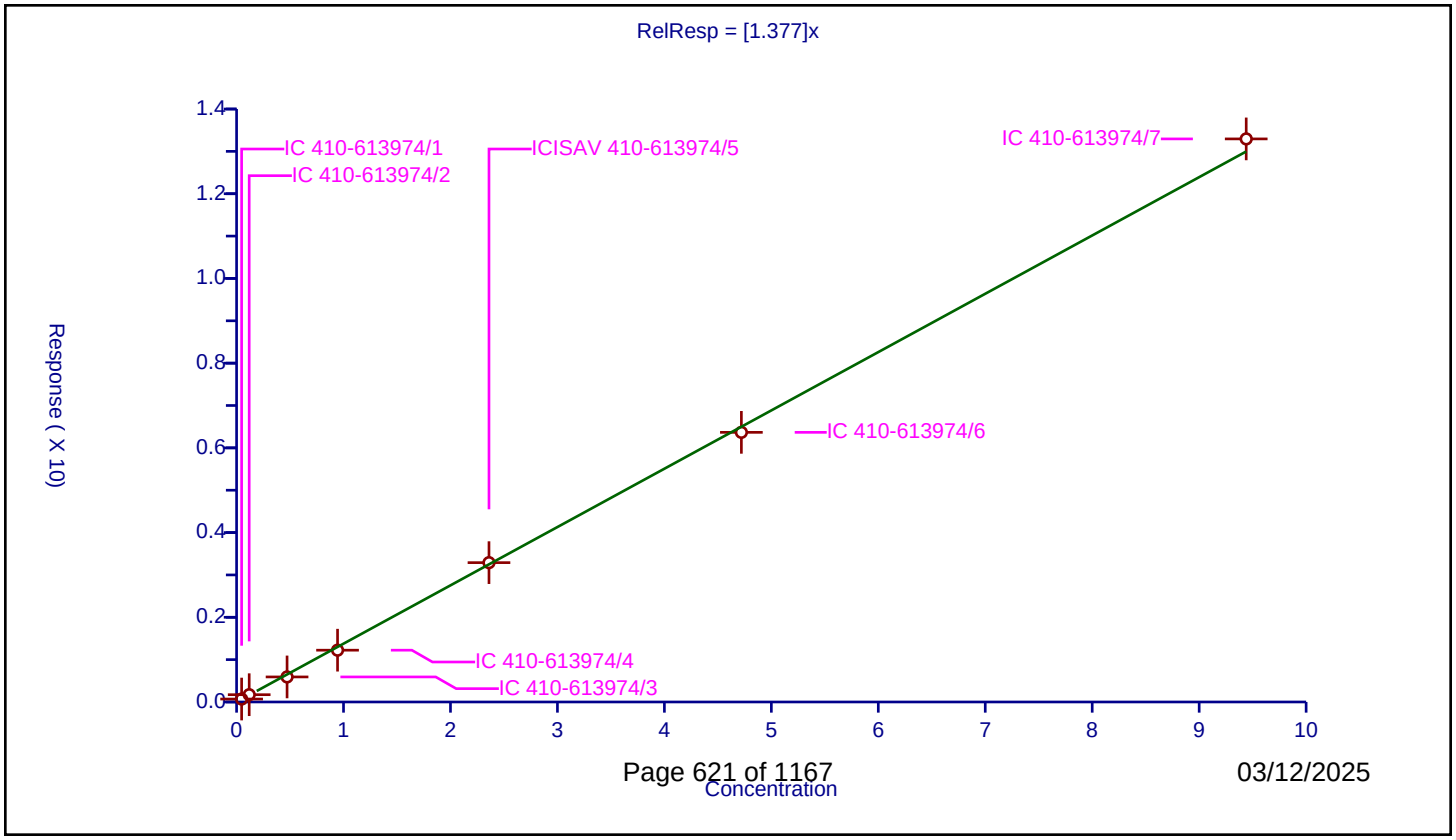
Curve Coefficients

Intercept:	0
Slope:	1.377

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.0472	0.069742	2.0	1895526.0	1.477587	Y
2	IC 410-613974/2	0.118	0.17234	2.0	1948578.0	1.460509	Y
3	IC 410-613974/3	0.472	0.591516	2.0	1303079.0	1.253212	Y
4	IC 410-613974/4	0.944	1.222816	2.0	1895405.0	1.295356	Y
5	ICISAV 410-613974/5	2.36	3.289822	2.0	1988897.0	1.393993	Y
6	IC 410-613974/6	4.72	6.366019	2.0	1645426.0	1.348733	Y
7	IC 410-613974/7	9.44	13.294017	2.0	1788719.0	1.408264	Y



Calibration / Perfluorotetradecanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

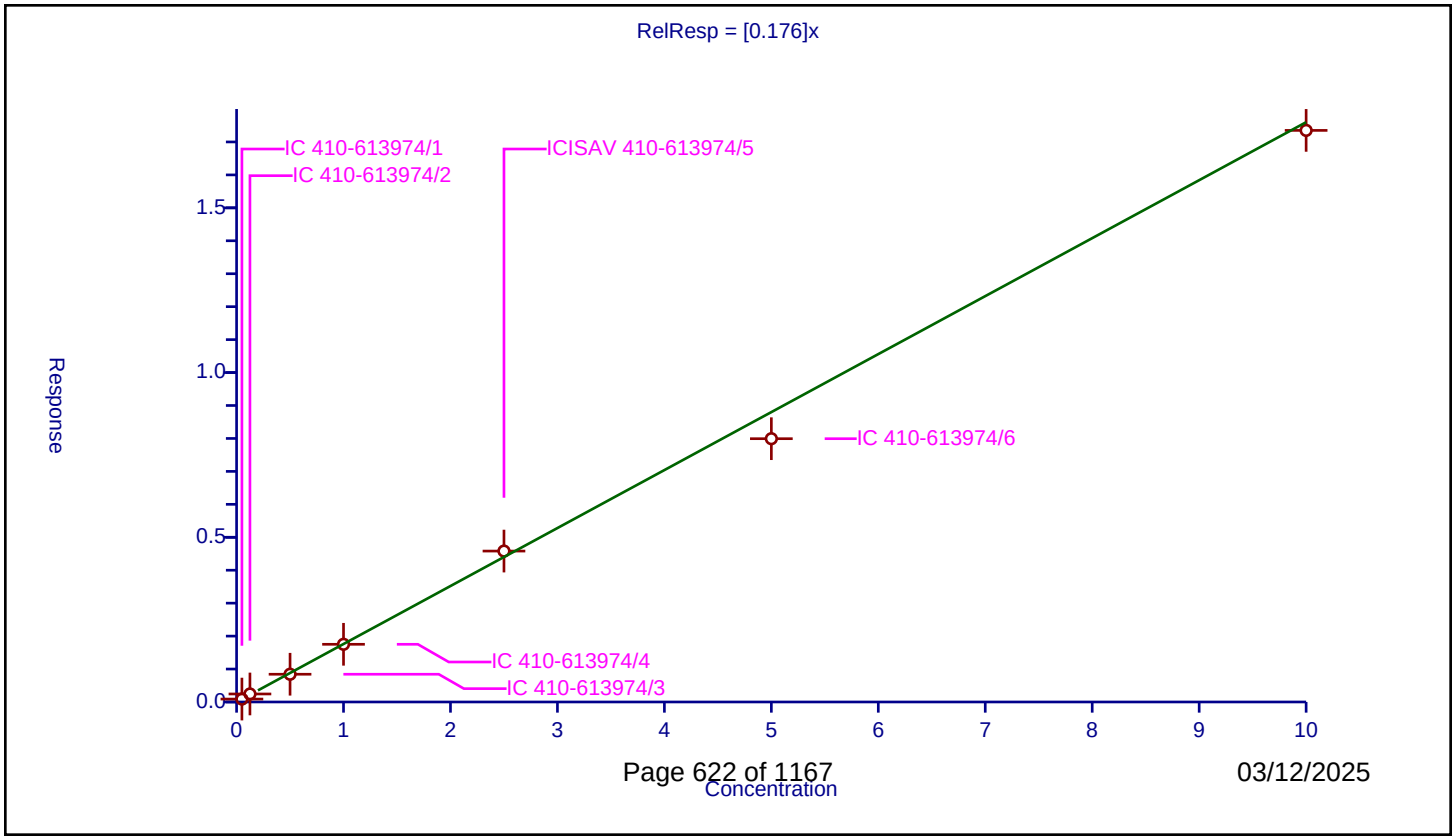
Curve Coefficients

Intercept:	0
Slope:	0.176

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.05	0.008863	2.0	1268671.0	0.177256	Y
2	IC 410-613974/2	0.125	0.024304	2.0	1255079.0	0.194436	Y
3	IC 410-613974/3	0.5	0.084256	2.0	826599.0	0.168512	Y
4	IC 410-613974/4	1.0	0.175142	2.0	1210061.0	0.175142	Y
5	ICISAV 410-613974/5	2.5	0.45814	2.0	1284045.0	0.183256	Y
6	IC 410-613974/6	5.0	0.799241	2.0	1183668.0	0.159848	Y
7	IC 410-613974/7	10.0	1.735112	2.0	1272143.0	0.173511	Y



Calibration / Perfluorododecanesulfonic acid (PFDoS)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

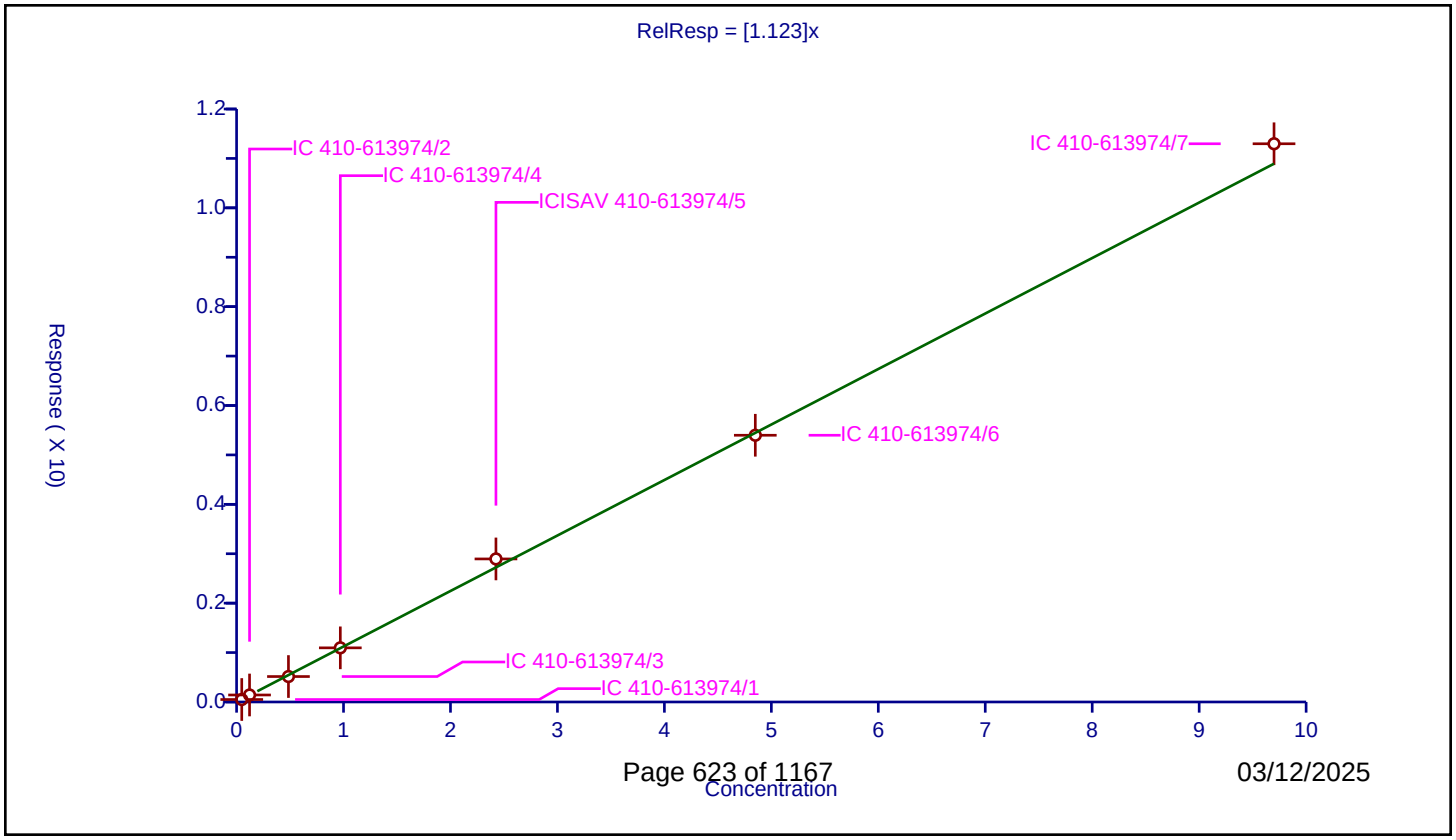
Curve Coefficients

Intercept:	0
Slope:	1.123

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.0485	0.049918	1.912	949557.0	1.029246	Y
2	IC 410-613974/2	0.12125	0.141735	1.912	923467.0	1.168951	Y
3	IC 410-613974/3	0.485	0.514956	1.912	621052.0	1.061765	Y
4	IC 410-613974/4	0.97	1.095798	1.912	918158.0	1.129688	Y
5	ICISAV 410-613974/5	2.425	2.895017	1.912	970357.0	1.193822	Y
6	IC 410-613974/6	4.85	5.397876	1.912	821469.0	1.112964	Y
7	IC 410-613974/7	9.7	11.296976	1.912	874001.0	1.164637	Y



Calibration / 2-(N-methylperfluoro-1-octanesulfonamido) ethanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

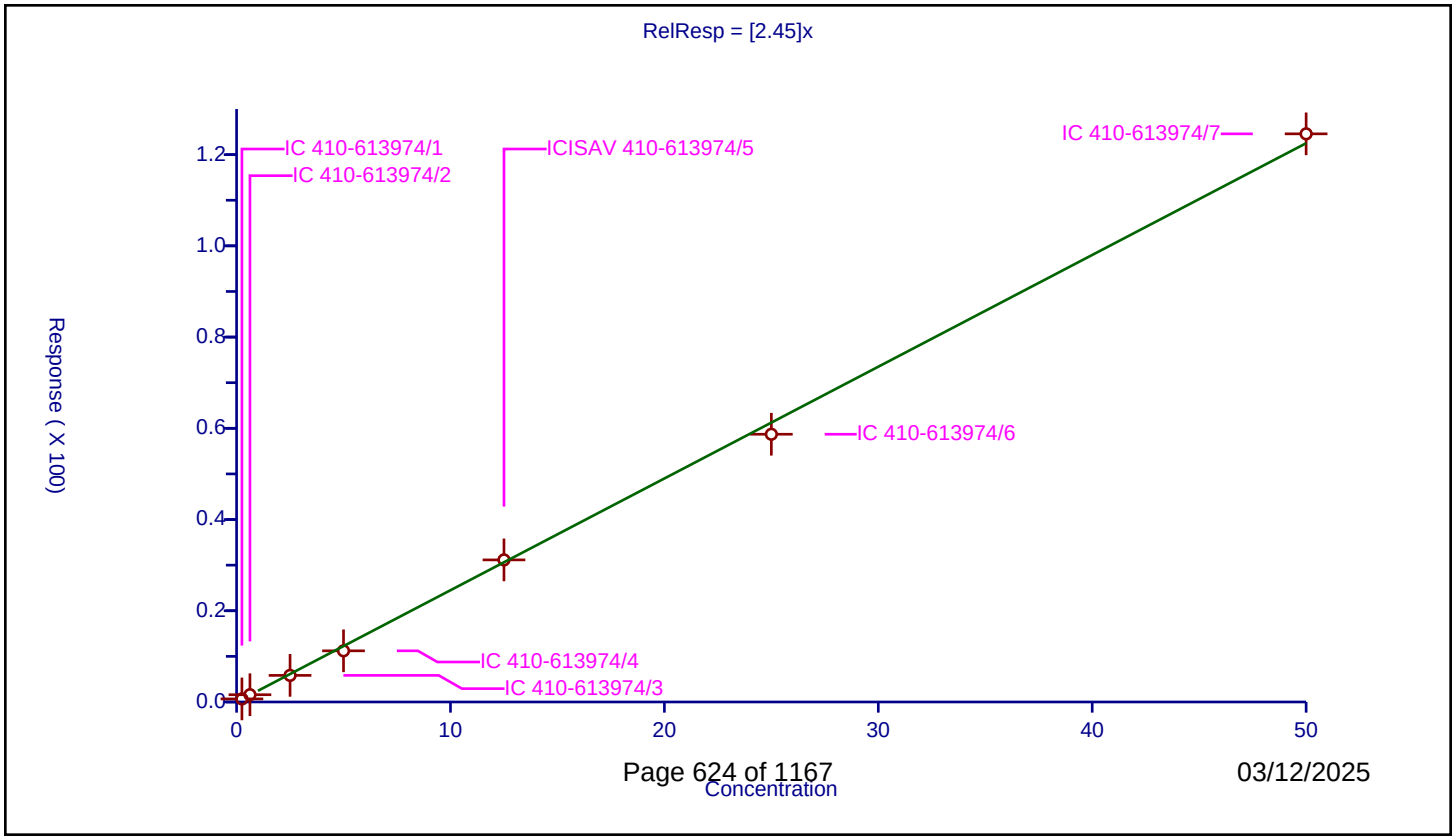
Curve Coefficients

Intercept:	0
Slope:	2.45

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.25	0.673053	5.0	368574.0	2.692214	Y
2	IC 410-613974/2	0.625	1.59445	5.0	371730.0	2.55112	Y
3	IC 410-613974/3	2.5	5.831325	5.0	239473.0	2.33253	Y
4	IC 410-613974/4	5.0	11.215797	5.0	365061.0	2.243159	Y
5	ICISAV 410-613974/5	12.5	31.151171	5.0	385729.0	2.492094	Y
6	IC 410-613974/6	25.0	58.698605	5.0	330722.0	2.347944	Y
7	IC 410-613974/7	50.0	124.557699	5.0	370641.0	2.491154	Y



Calibration / NMeFOSA

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

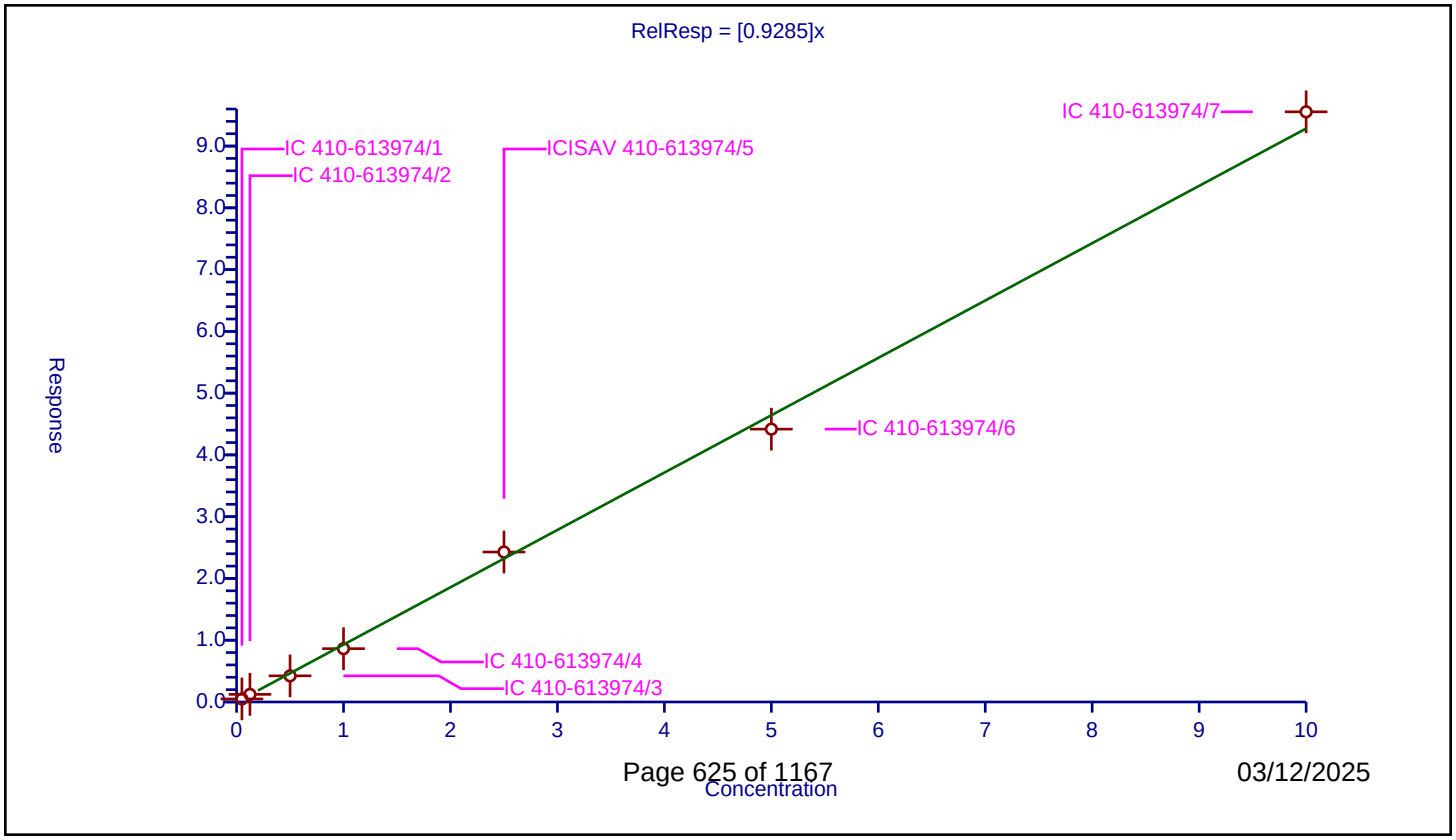
Curve Coefficients

Intercept:	0
Slope:	0.9285

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.05	0.049607	2.0	324473.0	0.992132	Y
2	IC 410-613974/2	0.125	0.123393	2.0	331187.0	0.98714	Y
3	IC 410-613974/3	0.5	0.423294	2.0	224799.0	0.846587	Y
4	IC 410-613974/4	1.0	0.863219	2.0	340289.0	0.863219	Y
5	ICISAV 410-613974/5	2.5	2.427893	2.0	350008.0	0.971157	Y
6	IC 410-613974/6	5.0	4.41749	2.0	312918.0	0.883498	Y
7	IC 410-613974/7	10.0	9.554545	2.0	343002.0	0.955454	Y



Calibration / 2-(N-ethylperfluoro-1-octanesulfonamido) ethanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

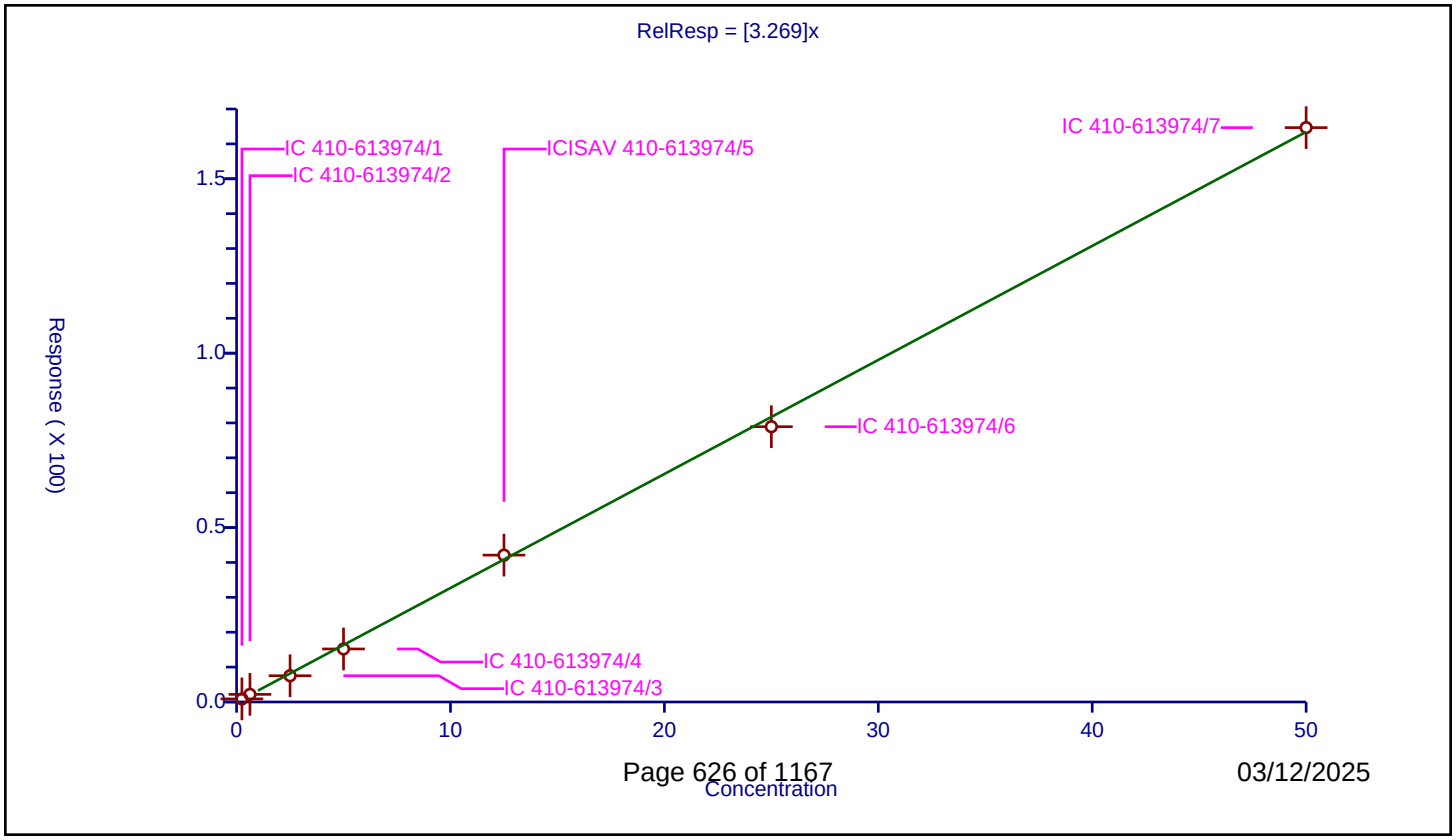
Curve Coefficients

Intercept:	0
Slope:	3.269

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.25	0.879201	5.0	468084.0	3.516805	Y
2	IC 410-613974/2	0.625	2.184627	5.0	460145.0	3.495403	Y
3	IC 410-613974/3	2.5	7.523176	5.0	306998.0	3.00927	Y
4	IC 410-613974/4	5.0	15.199249	5.0	467305.0	3.03985	Y
5	ICISAV 410-613974/5	12.5	42.108713	5.0	476108.0	3.368697	Y
6	IC 410-613974/6	25.0	78.9236	5.0	416337.0	3.156944	Y
7	IC 410-613974/7	50.0	164.665766	5.0	458287.0	3.293315	Y



Calibration / N-ethylperfluoro-1-octanesulfonamide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

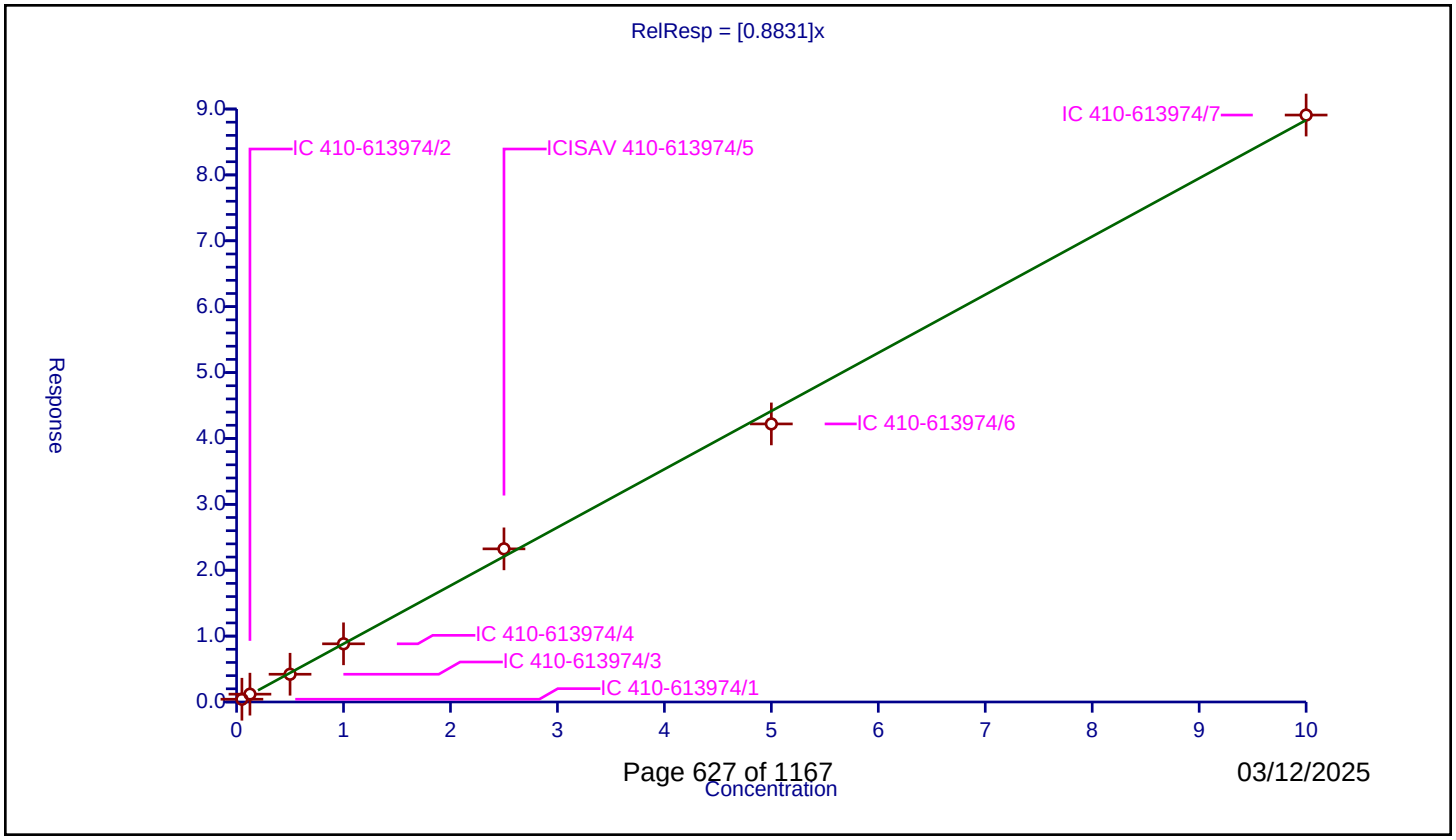
Curve Coefficients

Intercept:	0
Slope:	0.8831

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.05	0.042046	2.0	469911.0	0.840925	Y
2	IC 410-613974/2	0.125	0.11892	2.0	460529.0	0.951358	Y
3	IC 410-613974/3	0.5	0.421084	2.0	291766.0	0.842168	Y
4	IC 410-613974/4	1.0	0.882916	2.0	454086.0	0.882916	Y
5	ICISAV 410-613974/5	2.5	2.324325	2.0	480746.0	0.92973	Y
6	IC 410-613974/6	5.0	4.22025	2.0	427977.0	0.84405	Y
7	IC 410-613974/7	10.0	8.908534	2.0	472348.0	0.890853	Y



Calibration / Perfluorooctadecanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

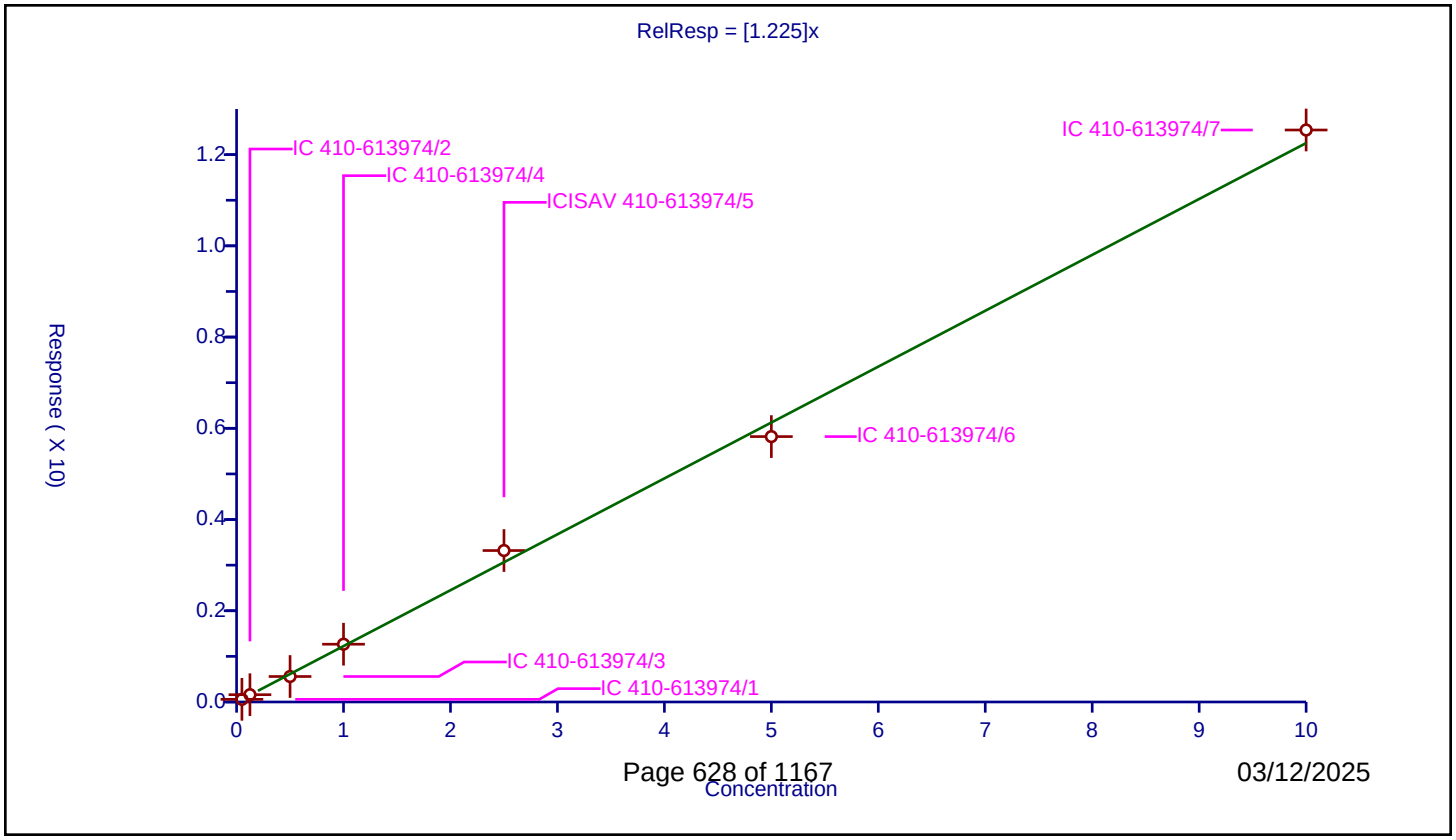
Curve Coefficients

Intercept:	0
Slope:	1.225

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-613974/1	0.05	0.058397	2.0	1268671.0	1.167931	Y
2	IC 410-613974/2	0.125	0.159963	2.0	1255079.0	1.279703	Y
3	IC 410-613974/3	0.5	0.558416	2.0	826599.0	1.116832	Y
4	IC 410-613974/4	1.0	1.266677	2.0	1210061.0	1.266677	Y
5	ICISAV 410-613974/5	2.5	3.320508	2.0	1284045.0	1.328203	Y
6	IC 410-613974/6	5.0	5.818262	2.0	1183668.0	1.163652	Y
7	IC 410-613974/7	10.0	12.539988	2.0	1272143.0	1.253999	Y



FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1 Analy Batch No.: 612155

SDG No.:

Instrument ID: 30729 GC Column: Gemini C18 5 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/03/2025 18:24 Calibration End Date: 03/03/2025 20:03 Calibration ID: 70308

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-612155/1	25MAR03-01.d
Level 2	IC 410-612155/2	25MAR03-02.d
Level 3	IC 410-612155/3	25MAR03-03.d
Level 4	IC 410-612155/4	25MAR03-04.d
Level 5	ICISAV 410-612155/5	25MAR03-05.d
Level 6	IC 410-612155/6	25MAR03-06.d
Level 7	IC 410-612155/7	25MAR03-07.d
Level 8	IC 410-612155/8	25MAR03-08.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Perfluoropropionic acid (PFPrA)	1.1293 1.0616	1.1234 1.1287	1.0580	1.0690	1.1646	AveID		1.1049				3.8		20.0			
Perfluorobutanoic acid	1.0411 0.9684	1.0478 1.0251	0.9431 0.9805	0.9831	1.0537	AveID		1.0054				4.1		20.0			
Perfluoro-3-methoxypropanoic acid	1.6705 1.6329	1.8778 1.7719	1.6239	1.6763	1.9063	AveID		1.7371				6.7		20.0			
3:3 FTCA	0.1008 0.0944	0.1057 0.1034	0.0958	0.0922	0.1075	AveID		0.1000				5.9		20.0			
Perfluoropentanoic acid	1.8459 1.5885	1.8779 1.6435	1.5396 1.4653	1.5896	1.7221	L2ID	0.0151	1.5992				6.8		20.0			
Perfluoro(4-methoxybutanoic acid)	1.9879 1.7358	2.0965 1.9691	1.8516	1.8214	1.9804	AveID		1.9204				6.4		20.0			
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	1.6084 1.4533	1.4641 1.5180	1.3714	1.3479	1.5735	AveID		1.4767				6.6		20.0			
Perfluoro-3,6-dioxaheptanoic acid	0.5170 0.5745	0.6716 0.6000	0.5543	0.5620	0.6290	AveID		0.5869				8.7		20.0			
Perfluorohexanoic acid	1.0550 0.8947	0.9843 0.9578	0.8705 0.9062	0.9310	0.9503	L2ID	0.0069	0.9162				3.7		20.0			
5:3 FTCA	0.1768 0.1818	0.2050 0.1846	0.1615	0.1636	0.1784	AveID		0.1788				8.1		20.0			
Perfluorobutanesulfonamide (FBSA)	0.9897 0.9409	0.9931 1.0700	0.9234	1.0032	1.0633	AveID		0.9977				5.6		20.0			
Perfluorobutanesulfonic acid	0.6717 0.6370	0.7190 0.7557	0.6494 0.6283	0.6740	0.7334	L2ID	0	0.6837				7.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1 Analy Batch No.: 612155

SDG No.:

Instrument ID: 30729 GC Column: Gemini C18 5 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/03/2025 18:24 Calibration End Date: 03/03/2025 20:03 Calibration ID: 70308

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
HFPO-DA	1.1344 1.0224	1.0049 1.0405	1.0995 +++++	1.0781	1.1407	AveID		1.0744				5.0		20.0			
PFEESA	3.1369 2.9309	3.0913 3.1398	2.7190	2.9876	3.0436	AveID		3.0070				4.9		20.0			
Perfluoroheptanoic acid	1.3162 0.9141	0.9302 0.9068	0.8331 0.9245	0.9344	0.9962	L2ID	0.0184	0.8966				8.6		20.0			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.5574 2.3722	2.8131 2.4426	2.5716 +++++	2.5046	2.6412	AveID		2.5575				5.6		20.0			
Perfluoropentanesulfonic acid	1.1338 1.1760	1.3440 1.1529	1.2103 1.1744	1.1917	1.1501	AveID		1.1917				5.6		20.0			
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	1.2095 1.1431	1.2562 1.2225	1.1425	1.1921	1.2461	AveID		1.2017				3.8		20.0			
Bis(trifluoromethane)sulfonamide (TFSI)	2.8237 2.9567	3.1200 3.0372	2.7823	2.9222	2.9657	AveID		2.9440				4.0		20.0			
Perfluorooctanoic acid	0.8081 0.7428	0.8078 0.7549	0.7214 0.6441	0.6991	0.8013	AveID		0.7474				7.8		20.0			
7:3 FTCA	0.1727 0.1770	0.1814 0.1943	0.1606	0.1823	0.1892	AveID		0.1796				6.2		20.0			
Perfluorohexanesulfonic acid	0.6924 0.6291	0.7074 0.6418	0.6911 0.6660	0.6708	0.6812	AveID		0.6725				3.9		20.0			
Perfluorononanoic acid	1.0771 0.8609	0.8859 0.8687	0.8406 0.7622	0.8752	0.9456	L2ID	0.0105	0.8477				6.8		20.0			
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	0.6271 0.6761	0.9617 0.7200	0.7406	0.7450	0.7590	AveID		0.7471				14.1		20.0			
Perfluorohexanesulfonamide (FHxSA)	1.5245 1.4171	1.4112 1.4116	1.3757	1.3468	1.3717	AveID		1.4084				4.1		20.0			
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	0.3491 0.2868	0.2444 0.2886	0.2660	0.2710	0.2823	L2ID	0.0027	0.2710				10.0		20.0			
Perfluoroheptanesulfonic acid	1.3827 1.1590	1.3102 1.3126	1.4092 1.2070	1.2518	1.3902	AveID		1.3028				7.0		20.0			
NMeFOSAA	1.1728 1.1413	1.3185 1.1731	1.0736	1.1832	1.2751	AveID		1.1911				6.9		20.0			
Perfluorodecanoic acid	0.6169 0.6328	0.6836 0.7567	0.7403	0.7917	0.7511	L2ID	-0.006	0.7374				7.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1 Analy Batch No.: 612155

SDG No.:

Instrument ID: 30729 GC Column: Gemini C18 5 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/03/2025 18:24 Calibration End Date: 03/03/2025 20:03 Calibration ID: 70308

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
NEtFOSAA	0.9370 0.8658	0.7969 0.8849	0.8386	0.8584	0.9302	AveID		0.8731				5.7		20.0			
Perfluorooctanesulfonic acid	1.7503 1.3939	1.5912 1.5631	1.5063 1.4790	1.4611	1.5831	L2ID	0.0120	1.4899				4.3		20.0			
Perfluoroundecanoic acid	0.4778 0.5320	0.6226 0.5380	0.4791	0.5300	0.5554	L2ID	-0.002	0.5406				9.7		20.0			
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	1.5319 1.3683	1.4718 1.4209	1.4039	1.4234	1.5021	AveID		1.4460				4.0		20.0			
Perfluorononanesulfonic acid	1.3075 1.1261	1.3327 1.2529	1.1626	1.2225	1.2630	AveID		1.2382				6.0		20.0			
Perfluorododecanoic acid	0.7630 0.7597	0.8396 0.7384	0.7958	0.7277	0.8789	AveID		0.7862				7.1		20.0			
Perfluorooctanesulfonamide	0.9602 0.8649	0.9479 0.9062	0.8837	0.9018	0.9559	AveID		0.9172				4.1		20.0			
Perfluorodecanesulfonic acid	1.4204 1.2186	1.4620 1.3315	1.2286	1.3920	1.3763	AveID		1.3470				6.9		20.0			
Perfluorotridecanoic acid	1.2744 1.3220	1.4896 1.2941	1.3246	1.3075	1.5228	AveID		1.3621				7.4		20.0			
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	1.5688 1.3641	1.6445 1.4508	1.4185	1.4929	1.5264	AveID		1.4951				6.3		20.0			
Perfluorotetradecanoic acid	0.4183 0.3065	0.3210 0.3354	0.3358	0.3386	0.3618	L2ID	0.0038	0.3281				7.8		20.0			
Perfluorododecanesulfonic acid (PFDoS)	2.2575 1.7348	2.1294 1.9298	1.9346	2.0115	2.1668	L2ID	0.0159	1.9494				7.2		20.0			
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	2.8291 2.4183	2.9210 2.5279	2.5827	2.4506	2.7987	AveID		2.6469				7.6		20.0			
NMeFOSA	1.1022 1.0143	1.1521 1.0540	1.0064	1.0731	1.0863	AveID		1.0698				4.7		20.0			
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	3.2315 2.9525	3.2827 3.1955	2.9311	3.0584	3.2189	AveID		3.1244				4.6		20.0			
N-ethylperfluoro-1-octanesulfonamide	1.2726 1.1342	1.3317 1.1751	1.0854	1.2006	1.2261	AveID		1.2037				6.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1 Analy Batch No.: 612155

SDG No.:

Instrument ID: 30729 GC Column: Gemini C18 5 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/03/2025 18:24 Calibration End Date: 03/03/2025 20:03 Calibration ID: 70308

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Perfluoro-n-octadecanoic acid (PFODA)	2.1692 1.9440	2.2346 2.1534	1.9552	1.9862	2.3363	AveID		2.1113				7.2		20.0			
13C3 PFPrA	0.6765 0.5515	0.5429 0.5469	0.5336 0.5480	0.5322	0.5408	Ave		0.5590				8.6		20.0			
13C4 PFBA	0.9049 0.9029	0.9034 0.8610	0.8869 0.8585	0.8780	0.8745	Ave		0.8838				2.1		20.0			
13C5 PFPeA	0.7401 0.7631	0.7305 0.6839	0.7165 0.6952	0.6974	0.6901	Ave		0.7146				3.9		20.0			
M2-4:2 FTS	0.1691 0.1627	0.1645 0.1584	0.1826 +++++	0.1578	0.1633	Ave		0.1655				5.1		20.0			
13C5 PFHxA	1.2172 1.1927	1.1431 1.0980	1.2139 1.0942	1.1361	1.2000	Ave		1.1619				4.3		20.0			
13C3 PFBS	1.2159 1.2828	1.2511 1.1890	1.2872 1.2008	1.1964	1.2087	Ave		1.2290				3.2		20.0			
13C3 HFPO-DA	1.1682 1.2065	1.1143 1.1134	1.0854 1.1849	1.0912	1.1236	Ave		1.1359				4.0		20.0			
13C4 PFHpA	1.0809 1.1905	1.1601 1.0956	1.1634 1.0612	1.0895	1.1187	Ave		1.1200				4.1		20.0			
M2-6:2 FTS	0.1564 0.1703	0.1744 0.1531	0.1765 +++++	0.1576	0.1552	Ave		0.1633				6.1		20.0			
13C8 PFOA	0.9765 0.9647	0.9896 0.9737	0.9665 0.9533	0.9335	0.9531	Ave		0.9639				1.8		20.0			
13C3 PFHxS	1.0091 0.9654	0.9854 0.9835	0.9988 0.9361	0.9499	1.0033	Ave		0.9789				2.7		20.0			
13C9 PFNA	0.9891 0.9503	0.9434 1.0624	0.9787 0.9717	0.9892	0.9569	Ave		0.9802				3.8		20.0			
M2-8:2 FTS	0.1712 0.1821	0.1800 0.1751	0.1816 0.1743	0.1653	0.1734	Ave		0.1754				3.3		20.0			
d3-NMeFOSAA	0.2633 0.2698	0.2607 0.2603	0.2506 0.2654	0.2537	0.2411	Ave		0.2581				3.6		20.0			
13C6 PFDA	1.0343 1.0752	1.0339 1.0200	1.0094 +++++	1.0104	1.0149	Ave		1.0283				2.2		20.0			
d5-NEtFOSAA	0.2415 0.2395	0.2207 0.2323	0.2252 0.2175	0.2185	0.2127	Ave		0.2260				4.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1 Analy Batch No.: 612155

SDG No.:

Instrument ID: 30729 GC Column: Gemini C18 5 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/03/2025 18:24 Calibration End Date: 03/03/2025 20:03 Calibration ID: 70308

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
13C8 PFOS	0.9430 0.9988	0.8816 0.9277	0.9030 0.8976	0.8858	0.8830	Ave		0.9151				4.4		20.0			
13C7 PFUnA	0.8487 0.7751	0.8765 0.8500	0.7991 +++++	0.7464	0.8198	Ave		0.8165				5.6		20.0			
13C2 PFDoA	0.6417 0.5894	0.6134 0.6389	0.5604 +++++	0.5510	0.5832	Ave		0.5968				6.0		20.0			
13C8 FOSA	1.5809 1.5862	1.4341 1.6114	1.5149 +++++	1.4607	1.4459	Ave		1.5192				4.9		20.0			
13C2 PFTeDA	0.5716 0.5465	0.5573 0.5344	0.5197 +++++	0.4946	0.5079	Ave		0.5332				5.2		20.0			
d7-N-MeFOSE-M	0.2559 0.2687	0.2396 0.2765	0.2474 0.2605	0.2472	0.2423	Ave		0.2547				5.1		20.0			
d3-NMePFOSA	0.4771 0.4850	0.4429 0.4942	0.4633 0.4863	0.4416	0.4744	Ave		0.4706				4.2		20.0			
d9-N-EtFOSE-M	0.3163 0.3269	0.3019 0.3186	0.3089 0.3162	0.2940	0.3020	Ave		0.3106				3.5		20.0			
d5-NEtPFOSA	0.5535 0.5409	0.4846 0.5479	0.5163 0.5414	0.4943	0.5053	Ave		0.5230				5.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1 Analy Batch No.: 612155

SDG No.:

Instrument ID: 30729 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/03/2025 18:24 Calibration End Date: 03/03/2025 20:03 Calibration ID: 70308

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-612155/1	25MAR03-01.d
Level 2	IC 410-612155/2	25MAR03-02.d
Level 3	IC 410-612155/3	25MAR03-03.d
Level 4	IC 410-612155/4	25MAR03-04.d
Level 5	ICISAV 410-612155/5	25MAR03-05.d
Level 6	IC 410-612155/6	25MAR03-06.d
Level 7	IC 410-612155/7	25MAR03-07.d
Level 8	IC 410-612155/8	25MAR03-08.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Perfluoropropionic acid (PFPrA)		AveID	72342 4869219	136187 11099735	479800	1000484	2838556	0.250 25.0	0.625 50.0	2.50	5.00	12.5
Perfluorobutanoic acid		AveID	35684 2908586	84558 6348653	284350 20674446	607210	1661302	0.100 10.0	0.250 20.0	1.00 100	2.00	5.00
Perfluoro-3-methoxypropanoic acid		AveID	22118 2060518	58998 4274070	201384	406879	1141856	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
3:3 FTCA		AveID	2670 238252	6641 499007	23756	44761	128832	0.100 10.0	0.250 20.0	1.00	2.00	5.00
Perfluoropentanoic acid		L2ID	24441 2004502	59003 3964414	190932 12505450	385830	1031523	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
Perfluoro(4-methoxybutanoic acid)		AveID	26321 2190325	65872 4749823	229615	442097	1186221	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)		AveID	10010 794649	20462 1622780	80970	146035	441634	0.0934 9.34	0.234 18.7	0.934	1.87	4.67
Perfluoro-3,6-dioxaheptanoic acid		AveID	11258 1133080	33019 2323744	116476	222238	655106	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorohexanoic acid		L2ID	22973 1764525	48398 3709493	182907 12173098	368115	989816	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
5:3 FTCA		AveID	19251 1793029	50402 3575314	169625	323417	929011	0.250 25.0	0.625 50.0	2.50	5.00	12.5
Perfluorobutanesulfonamide (FBSA)		AveID	23706 2172158	56515 4598051	205688	441173	1182399	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorobutanesulfonic acid		L2ID	14286 1305846	36335 2883612	128465 8515299	263194	724193	0.0444 4.44	0.111 8.88	0.444 44.4	0.888	2.22
HFPO-DA		AveID	17781 1529897	36121 3064651	154919 +++++	307079	834391	0.0375 3.75	0.0938 7.50	0.375 +++++	0.750	1.88
PFEESA		AveID	60928 5156093	135579 10847444	509597	1053777	2827773	0.0446 4.46	0.112 8.92	0.446	0.892	2.23

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1 Analy Batch No.: 612155

SDG No.:

Instrument ID: 30729 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/03/2025 18:24 Calibration End Date: 03/03/2025 20:03 Calibration ID: 70308

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Perfluoroheptanoic acid		L2ID	25449 1799587	46417 3504305	167774 12044620	354315	967374	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		AveID	50561 4477209	127543 9074874	457036 +++++	899837	2436761	0.0473 4.73	0.118 9.46	0.473 +++++	0.946	2.37
Perfluoropentanesulfonic acid		AveID	21185 1920501	56626 3851989	196637 13133377	391137	997814	0.0470 4.70	0.118 9.40	0.470 47.0	0.940	2.35
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)		AveID	7066 664100	18892 1282232	66147	130926	337404	0.0948 9.48	0.237 19.0	0.948	1.90	4.74
Bis(trifluoromethane)sulfonamide (TFSI)		AveID	54948 5028895	136906 10568625	470806	998882	2679785	0.0490 4.90	0.122 9.79	0.490	0.979	2.45
Perfluorooctanoic acid		AveID	17703 1495079	43702 3098818	150235 9327311	287105	808261	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
7:3 FTCA		AveID	18800 1745871	44592 3763468	168736	360456	985078	0.250 25.0	0.625 50.0	2.50	5.00	12.5
Perfluorohexanesulfonic acid		AveID	12552 996833	28916 2080465	108948 7226091	213615	573354	0.0456 4.56	0.114 9.12	0.456 45.6	0.912	2.28
Perfluorononanoic acid		L2ID	18565 1418145	37201 2946409	143657 9142714	279497	758283	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)		AveID	4052 424430	15087 872803	44600	86746	232008	0.0958 9.58	0.240 19.2	0.958	1.92	4.79
Perfluorohexanesulfonamide (FHxSA)		AveID	30303 2462012	63254 5017257	237792	470256	1266034	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)		L2ID	6411 460408	10121 947888	42476	87415	240791	0.0462 4.62	0.116 9.24	0.462	0.924	2.31
Perfluoroheptanesulfonic acid		AveID	21553 1840085	49700 3795282	207870 12338579	372111	1030907	0.0477 4.77	0.119 9.54	0.477 47.7	0.954	2.39
NMeFOSAA		AveID	5349 513085	15505 997476	46064	105598	270630	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorodecanoic acid		L2ID	10167 1086101	27794 2421773	124421	269223	601935	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
NEtFOSAA		AveID	3920 345457	7933 671591	32332	65984	174212	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorooctanesulfonic acid		L2ID	26596 2157186	58841 4405648	216594 14739044	423399	1144409	0.0465 4.65	0.116 9.30	0.465 46.5	0.930	2.33
Perfluoroundecanoic acid		L2ID	6462 658216	21462 1434881	63738	133143	359490	0.0500 5.00	0.125 10.0	0.500	1.00	2.50

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1 Analy Batch No.: 612155

SDG No.:

Instrument ID: 30729 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/03/2025 18:24 Calibration End Date: 03/03/2025 20:03 Calibration ID: 70308

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid		AveID	29901 2549766	65884 5211958	246331	504924	1368267	0.0467 4.67	0.117 9.34	0.467	0.934	2.34
Perfluorononanesulfonic acid		AveID	20551 1802764	50977 3652979	172932	366443	944409	0.0481 4.81	0.120 9.62	0.481	0.962	2.41
Perfluorododecanoic acid		AveID	7802 714889	20253 1480417	74248	134937	404695	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorooctanesulfonamide		AveID	26300 2285771	61312 4770332	229242	463411	1216793	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorodecanesulfonic acid		AveID	22372 1954871	56040 3890020	183128	418144	1031258	0.0482 4.82	0.121 9.64	0.482	0.964	2.41
Perfluorotridecanoic acid		AveID	12319 1198621	34293 2382063	119105	230041	655948	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid		AveID	30950 2569076	74402 5378794	251570	535216	1405277	0.0472 4.72	0.118 9.44	0.472	0.944	2.36
Perfluorotetradecanoic acid		L2ID	3810 267370	7035 562427	29060	56360	145096	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorododecanesulfonic acid (PFDoS)		L2ID	35779 2800400	82132 5673392	290154	607981	1633721	0.0485 4.85	0.121 9.70	0.485	0.970	2.43
2-(N-methylperfluoro-1-octanesulfonamido) ethanol		AveID	62713 5413312	157802 11415271	547172	1065318	2984493	0.250 25.0	0.625 50.0	2.50	5.00	12.5
NMeFOSA		AveID	9111 819704	23013 1701730	79838	166705	453710	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol		AveID	88552 8039923	223520 16629665	775256	1581722	4278708	0.250 25.0	0.625 50.0	2.50	5.00	12.5
N-ethylperfluoro-1-octanesulfonamide		AveID	12203 1022120	29103 2103180	95962	208741	545394	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluoro-n-octadecanoic acid (PFODA)		AveID	19757 1695999	48979 3610764	169199	330618	936908	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
13C3 PFPrA	13C3PFBA	Ave	512470 366939	387942 393354	362808 269171	374379	389963	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1 Analy Batch No.: 612155

SDG No.:

Instrument ID: 30729 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/03/2025 18:24 Calibration End Date: 03/03/2025 20:03 Calibration ID: 70308

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
13C4 PFBA	13C3PFBA	Ave	685491 600726	645583 619293	602985 421717	617661	630673	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C5 PFPeA	PFHxA	Ave	529615 504741	502712 482426	496042 341384	485447	479185	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
M2-4:2 FTS	PFHxS	Ave	312508 274572	280710 268405	296463 +++++	272009	281870	4.69 4.69	4.69 4.69	4.69 +++++	4.69	4.69
13C5 PFHxA	PFHxA	Ave	870989 788887	786692 774611	840466 537351	790832	833250	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C3 PFBS	PFHxS	Ave	892925 860671	848623 800988	830447 568962	819684	829080	1.86 1.86	1.86 1.86	1.86 1.86	1.86	1.86
13C3 HFPO-DA	PFHxA	Ave	835947 798049	766845 785464	751467 581872	759572	780209	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C4 PFHpA	PFHxA	Ave	773432 787454	798369 772883	805493 521154	758419	776847	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
M2-6:2 FTS	PFHxS	Ave	293342 291710	302051 263331	290714 +++++	275726	271900	4.76 4.76	4.76 4.76	4.76 +++++	4.76	4.76
13C8 PFOA	PFOA	Ave	876260 805115	865553 821013	833005 579254	821301	806991	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C3 PFHxS	PFHxS	Ave	753734 658789	679852 673915	655431 451135	662007	699974	1.90 1.90	1.90 1.90	1.90 1.90	1.90	1.90
13C9 PFNA	PFNA	Ave	689413 658941	671904 678323	683600 479807	638723	641533	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
M2-8:2 FTS	PFHxS	Ave	323732 314521	314416 303710	301743 212630	291698	306317	4.80 4.80	4.80 4.80	4.80 4.80	4.80	4.80
d3-NMeFOSAA	PFOS	Ave	456107 449553	470392 425129	429062 316837	446237	424487	5.00 5.00	5.00 5.00	5.00 5.00	5.00	5.00
13C6 PFDA	PFDA	Ave	659253 686564	650562 640102	672272 +++++	680103	641099	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00
d5-NEtFOSAA	PFOS	Ave	418339 399017	398202 379466	385569 259695	384328	374554	5.00 5.00	5.00 5.00	5.00 5.00	5.00	5.00
13C8 PFOS	PFOS	Ave	624806 636364	608208 579479	591262 409767	595782	594484	1.91 1.91	1.91 1.91	1.91 1.91	1.91	1.91
13C7 PFUnA	PFDA	Ave	540964 494908	551545 533409	532197 +++++	502413	517816	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00
13C2 PFDoA	PFDA	Ave	408995 376383	385974 400956	373203 +++++	370852	368363	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00
13C8 FOSA	PFOS	Ave	1095642 1057171	1034893 1052803	1037606 +++++	1027691	1018310	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00
13C2 PFTeDA	PFDA	Ave	364312	350703	346153	332921	320817	2.00	2.00	2.00	2.00	2.00

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1 Analy Batch No.: 612155

SDG No.:

Instrument ID: 30729 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/03/2025 18:24 Calibration End Date: 03/03/2025 20:03 Calibration ID: 70308

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			348963	335353	+++++			2.00	2.00	+++++		
d7-N-MeFOSE-M	PFOS	Ave	443341 447702	432180 451575	423714 310995	434722	426558	5.00 5.00	5.00 5.00	5.00 5.00	5.00	5.00
d3-NMePFOSA	PFOS	Ave	330651 323251	319591 322922	317331 232242	310704	334132	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
d9-N-EtFOSE-M	PFOS	Ave	548049 544609	544717 520405	528985 377558	517177	531703	5.00 5.00	5.00 5.00	5.00 5.00	5.00	5.00
d5-NEtPFOSA	PFOS	Ave	383568 360464	349666 357968	353659 258524	347738	355863	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00

Curve Type Legend:

Ave = Average ISTD
AveID = Average isotope dilution
L2ID = Linear 1/conc^2 IsoDil

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-01.d
Lims ID: IC CAL 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 03-Mar-2025 18:24:48 ALS Bottle#: 20002 Worklist Smp#: 1
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: IC CAL 1
Misc. Info.: Plate: 1 Rack: 1 410-0139703-001
Operator ID: ETUS023_USR_INS00054 Instrument ID: 30729
Sublist: chrom-30729_1633Final*sub1

Method: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\30729_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 06-Mar-2025 13:04:47 Calib Date: 03-Mar-2025 20:03:32
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-08.d

Column 1 : Det: EXP1
Process Host: CTX1635

First Level Reviewer: LDU5 Date: 03-Mar-2025 21:23:27
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
1 Perfluoropropionic acid										M
163.00 > 119.00	1.878	1.885	-0.007	1.000	72342	0.2555		102	374	M
D 2 13C3PFPrA										
166.00 > 121.00	1.878	1.885	-0.007	0.421	512470	2.42		121	126	
5 PFBA										
212.80 > 168.90	4.450	4.443	0.007	0.998	35684	0.1036		104	462	
D 3 13C4-PFBA										
216.80 > 171.90	4.459	4.443	0.016	1.000	685491	2.05		102	33624	
* 4 13C3PFBA										
216.00 > 172.00	4.459	4.443	0.016		757572	2.00			197	
6 PFMPA										
229.00 > 84.90	4.784	4.776	0.008	0.928	22118	0.0481		96.2	1327	
7 3:3 FTCA										
241.00 > 177.00	4.796	4.787	0.009	0.931	2670	0.1008	Target=1.09	101	174	
241.00 > 117.00	4.796	4.787	0.009	0.931	2715		0.98(0.54-1.63)	101	168	
D 9 13C5 PFPeA										
268.30 > 223.00	5.154	5.132	0.022	0.906	529615	2.07		104	33274	
10 PFPA										
263.00 > 219.00	5.154	5.143	0.011	1.000	24441	0.0483		96.5	1148	
11 PFMBA										
279.00 > 85.10	5.342	5.320	0.022	1.037	26321	0.0518		104	1646	
D 12 13C2-4:2FTS										
329.10 > 80.90	5.491	5.469	0.022	0.804	312508	4.79		102	14076	
13 4:2FTS										
327.10 > 307.00	5.491	5.469	0.022	1.000	10010	0.1017	Target=1.32	109	618	
327.10 > 80.90	5.480	5.469	0.011	0.998	6449		1.55(0.66-1.98)	109	235	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
15 NFDHA										
295.00 > 201.00	5.653	5.630	0.023	0.994	11258	0.0440	Target=1.24	88.1	682	
295.00 > 84.90	5.653	5.630	0.023	0.994	10911		1.03(0.62-1.86)	88.1	669	
D 16 13C5 PFHxA										
318.00 > 273.00	5.688	5.677	0.011	1.000	870989	2.10		105	52295	
* 17 13C2 PFHxA										
315.10 > 270.00	5.688	5.677	0.011		1788924	5.00			106852	
18 PFHxA										
313.00 > 269.00	5.700	5.677	0.023	1.002	22973	0.0500	Target=10.40	100	1000	
313.00 > 118.90	5.688	5.677	0.011	1.000	2486		9.24(5.20-15.60)	100	157	
20 5:3 FTCA										
341.00 > 237.10	5.764	5.751	0.013	1.013	19251	0.2472	Target=0.91	98.9	1072	
341.00 > 217.00	5.764	5.751	0.013	1.013	22823		0.84(0.45-1.36)	98.9	1256	
14 FBSA										
297.90 > 78.00	5.778	5.764	0.014	0.991	23706	0.0496		99.2	52.0	
21 PFBS										
298.70 > 79.90	5.834	5.820	0.014	1.000	14286	0.0437	Target=2.88	98.4	743	
298.70 > 98.80	5.848	5.820	0.028	1.002	4967		2.88(1.44-4.33)	98.4	265	
D 19 13C3 PFBS										
302.10 > 79.90	5.834	5.820	0.014	0.854	892925	1.84		98.9	46593	
22 HFPO-DA										
284.90 > 168.90	5.889	5.875	0.014	1.000	17781	0.0396	Target=2.44	106	717	
284.90 > 184.90	5.889	5.875	0.014	1.000	8227		2.16(1.22-3.65)	106	431	
D 23 13C3 HFPO-DA										
286.90 > 168.90	5.889	5.875	0.014	1.035	835947	2.06		103	45029	
25 PFEESA										
314.80 > 134.90	6.098	6.071	0.027	1.072	60928	0.0465	Target=11.17	104	3303	
314.80 > 82.90	6.098	6.071	0.027	1.072	5000		12.19(5.59-16.75)	104	260	
D 27 13C4 PFHpA										
367.10 > 322.00	6.149	6.124	0.025	1.081	773432	1.93		96.5	45716	
28 PFHpA										
363.10 > 319.00	6.149	6.124	0.025	1.000	25449	0.0529	Target=2.26	106	1509	
363.10 > 169.00	6.149	6.124	0.025	1.000	10715		2.38(1.13-3.39)	106	601	
29 ADONA										
376.90 > 250.90	6.310	6.299	0.011	1.072	50561	0.0473	Target=1.59	100	2004	
376.90 > 84.80	6.310	6.299	0.011	1.072	34831		1.45(0.79-2.38)	100	2355	
30 PFPeS										
349.10 > 79.90	6.362	6.341	0.021	0.931	21185	0.0447	Target=3.47	95.1	1384	
349.10 > 98.90	6.362	6.341	0.021	0.931	7689		2.76(1.73-5.20)	95.1	483	
32 6:2FTS										M
427.10 > 407.00	6.362	6.341	0.021	1.000	7066	0.0954	Target=1.07	101	476	M
427.10 > 80.90	6.362	6.341	0.021	1.000	7990		0.88(0.53-1.60)	101	547	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.362	6.341	0.021	0.931	293342	4.56		95.8	19832	
33 BTS										
280.00 > 147.00	6.538	6.528	0.010	0.957	54948	0.0470		95.9	2539	
D 34 13C8 PFOA										
421.10 > 376.00	6.577	6.568	0.009	0.999	876260	2.03		101	58764	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 40 13C4 PFOA										
417.10 > 372.00	6.587	6.568	0.019		2243308	5.00			113048	
35 PFOA										M
413.00 > 369.00	6.587	6.568	0.019	1.001	17703	0.0541	Target=1.66	108	84.0	M
413.00 > 169.00	6.587	6.568	0.019	1.001	9949		1.78(0.83-2.49)	108	50.5	M
36 7:3 FTCA										
441.00 > 316.90	6.628	6.616	0.012	1.165	18800	0.2403	Target=0.90	96.1	1150	
441.00 > 336.90	6.628	6.616	0.012	1.165	23943		0.79(0.45-1.34)	96.1	1497	
* 38 18O2 PFHxS										
403.00 > 83.90	6.834	6.810	0.024		745378	1.89			44862	
D 37 13C3 PFHxS										
402.10 > 79.90	6.834	6.810	0.024	1.000	753734	1.95		103	34080	
39 PFHxS										
398.70 > 79.90	6.834	6.821	0.013	1.000	12552	0.0470	Target=3.28	103	90.3	
398.70 > 98.90	6.846	6.821	0.025	1.002	5378		2.33(1.64-4.92)	103	27.7	
D 41 13C9 PFNA										
472.10 > 427.00	7.015	6.990	0.025	1.000	689413	2.02		101	40886	
* 42 13C5 PFNA										
468.00 > 423.00	7.015	6.990	0.025		696996	2.00			41832	
43 PFNA										
463.00 > 419.00	7.027	7.002	0.025	1.002	18565	0.0511	Target=2.26	102	139	
463.00 > 219.00	7.027	7.002	0.025	1.002	6585		2.82(1.13-3.38)	102	25.4	
D 45 13C2-8:2FTS										
529.10 > 80.90	7.206	7.182	0.024	1.054	323732	4.69		97.6	19057	
46 8:2FTS										
527.10 > 507.00	7.206	7.182	0.024	1.000	4052	0.0804	Target=0.73	83.9	254	
527.10 > 80.80	7.194	7.182	0.012	0.998	7451		0.54(0.36-1.09)	83.9	450	
48 FHxSA										
397.90 > 78.00	7.217	7.193	0.024	1.056	30303	0.0541		108	1680	
44 PFECHS										
461.00 > 381.00	7.241	7.229	0.012	1.060	6411	0.0497	Target=0.24	108	1766	
461.00 > 99.00	7.241	7.229	0.012	1.060	19013		0.34(0.12-0.35)	108	17.5	
47 PFHpS										
449.00 > 79.90	7.292	7.265	0.027	0.942	21553	0.0506	Target=3.81	106	1138	
449.00 > 98.80	7.292	7.265	0.027	0.942	4960		4.35(1.91-5.72)	106	263	
D 49 d3-NMeFOSAA										
573.20 > 419.00	7.374	7.346	0.028	0.953	456107	5.10		102	24135	
50 NMeFOSAA										Ma
570.10 > 419.00	7.374	7.360	0.014	1.000	5349	0.0492	Target=2.23	98.5		a
570.10 > 483.00	7.388	7.360	0.028	1.002	1969		2.72(1.12-3.35)	98.5		M
* 51 13C2 PFDA										
515.10 > 470.10	7.443	7.428	0.015		637407	2.00			33340	
D 52 13C6 PFDA										
519.10 > 474.10	7.443	7.428	0.015	1.000	659253	2.01		101	34852	
53 PFDA										
512.90 > 469.00	7.457	7.428	0.029	1.002	10167	0.0499	Target=2.91	99.8	543	
512.90 > 219.00	7.443	7.428	0.015	1.000	4517		2.25(1.46-4.37)	99.8	245	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.565	7.538	0.027	0.977	418339	5.34		107	23138	
55 NEtFOSAA										Ma
584.20 > 419.10	7.578	7.551	0.027	1.002	3920	0.0537	Target=1.98	107	14.7	a
584.20 > 526.00	7.565	7.551	0.014	1.000	1795		2.18(0.99-2.97)	107	5.7	M
* 57 13C4 PFOS										
502.80 > 79.90	7.740	7.717	0.024		662539	1.91			30433	
D 56 13C8 PFOS										
507.10 > 79.90	7.740	7.717	0.024	1.000	624806	1.97		103	22754	
58 PFOS										M
498.90 > 79.90	7.763	7.729	0.034	1.003	26596	0.0466	Target=4.40	100	5713	M
498.90 > 98.80	7.752	7.729	0.023	1.001	6480		4.10(2.20-6.59)	100	15.0	
D 59 13C7 PFUnA										
570.00 > 525.10	7.879	7.869	0.010	1.059	540964	2.08		104	35735	
60 PFUnA										
563.10 > 519.00	7.879	7.869	0.010	1.000	6462	0.0471	Target=2.30	94.1	415	
563.10 > 269.10	7.879	7.869	0.010	1.000	3338		1.94(1.15-3.45)	94.1	218	
61 9ClFOS										
530.80 > 351.00	8.065	8.045	0.020	1.369	29901	0.0495	Target=3.09	106	2036	
532.80 > 353.00	8.065	8.045	0.020	1.369	10812		2.77(1.54-4.63)	106	740	
62 PFNS										
548.80 > 79.90	8.155	8.135	0.020	1.054	20551	0.0508	Target=3.74	106	1301	
548.80 > 98.80	8.155	8.135	0.020	1.054	5485		3.75(1.87-5.61)	106	334	
64 PFDoA										
613.10 > 569.00	8.283	8.271	0.012		7802	0.0485	Target=2.66	97.1	423	
613.10 > 319.00	8.283	8.271	0.012		4311		1.81(1.33-4.00)	97.1	223	
D 63 PFDoA										
615.10 > 570.00	8.283	8.271	0.012	1.113	408995	2.15		108	21853	
D 66 13C8 FOSA										
506.10 > 77.80	8.367	8.354	0.013	1.081	1095642	2.08		104	33072	
65 PFOSA										Ma
498.10 > 77.90	8.367	8.369	-0.002	1.000	26300	0.0523	Target=73.16	105	96.4	M
498.10 > 478.00	8.367	8.369	-0.002	1.000	297		88.55(36.58-109.75)	105		M
67 PFDS										
599.00 > 79.90	8.532	8.519	0.013	1.102	22372	0.0508	Target=4.05	105	1127	
599.00 > 98.80	8.532	8.519	0.013	1.102	5303		4.22(2.03-6.08)	105	270	
68 PFTrDA										
663.00 > 619.00	8.654	8.641	0.013	0.963	12319	0.0468	Target=3.35	93.6	629	
663.00 > 168.90	8.654	8.641	0.013	0.963	3626		3.40(1.67-5.02)	93.6	194	
69 11ClFOS										
630.90 > 450.90	8.808	8.795	0.013	1.496	30950	0.0495	Target=2.94	105	1598	
632.90 > 452.90	8.808	8.795	0.013	1.496	11374		2.72(1.47-4.42)	105	595	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.986	8.972	0.014	1.207	364312	2.14		107	19235	
71 PFTeDA										
713.10 > 168.90	8.986	8.972	0.014	1.000	3810	0.0522	Target=1.12	104	204	
713.10 > 219.00	8.986	8.972	0.014	1.000	2652		1.44(0.56-1.68)	104	3.1	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
72 PFDoS										
699.10 > 79.90	9.168	9.142	0.026	1.184	35779	0.0480	Target=4.47	99.0	1986	
699.10 > 98.80	9.168	9.142	0.026	1.184	7430		4.82(2.24-6.71)	99.0	408	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.140	9.142	-0.002	1.181	443341	5.02		100	6759	
74 N-MeFOSE-M										M
616.10 > 58.90	9.154	9.156	-0.002	1.002	62713	0.2672		107	18391	M
D 75 d3-NMePFOSA										
515.00 > 219.00	9.235	9.224	0.011	1.193	330651	2.03		101	9518	
76 NMeFOSA										
511.90 > 219.00	9.235	9.237	-0.002	1.000	9111	0.0515	Target=0.69	103	57.8	
511.90 > 169.00	9.235	9.237	-0.002	1.000	13098		0.70(0.34-1.03)	103	71.0	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.325	9.327	-0.002	1.205	548049	5.09		102	7923	
78 N-EtFOSE-M										M
630.00 > 58.90	9.350	9.339	0.011	1.003	88552	0.2586		103	14395	M
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.396	9.398	-0.002	1.214	383568	2.12		106	19244	
80 N-EtFOSA-M										
526.00 > 219.00	9.407	9.409	-0.002	1.001	12203	0.0529	Target=0.78	106	84.1	
526.00 > 169.00	9.407	9.409	-0.002	1.001	14686		0.83(0.39-1.16)	106	103	
81 Perfluorooctadecanoic acid										
913.00 > 869.00	9.919	9.847	0.072	1.104	19757	0.0514	Target=2.08	103	1654	
913.00 > 169.00	9.919	9.847	0.072	1.104	9715		2.03(1.04-3.12)	103	809	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

1633_125_CAL1_00036 Amount Added: 1.00 Units: mL

Report Date: 06-Mar-2025 13:04:48 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-01.d

Injection Date: 03-Mar-2025 18:24:48 Instrument ID: 30729

Lims ID: IC CAL 1

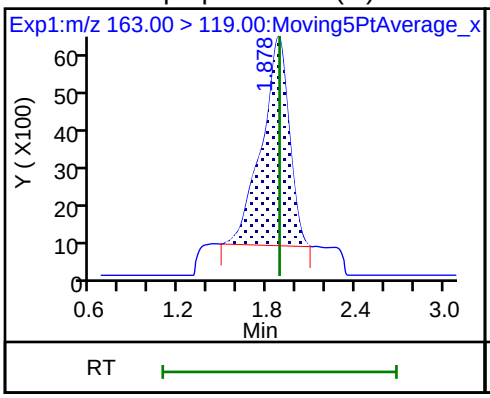
Client ID:

Operator ID: ETUS023_USR_INS00054 ALS Bottle#: 20002 Worklist Smp#: 1

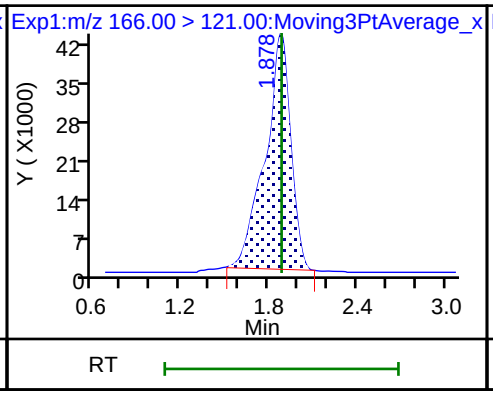
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 30729_1633Final Limit Group: LC - 1633 LVI- ICAL

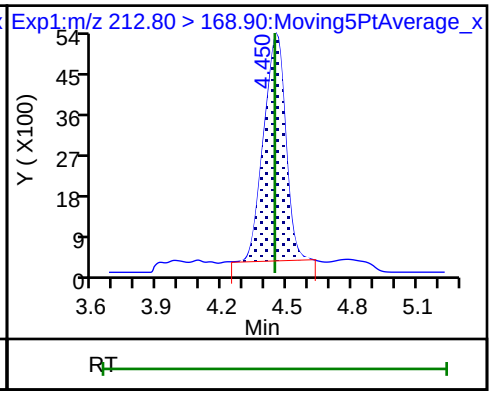
1 Perfluoropropionic acid (M)



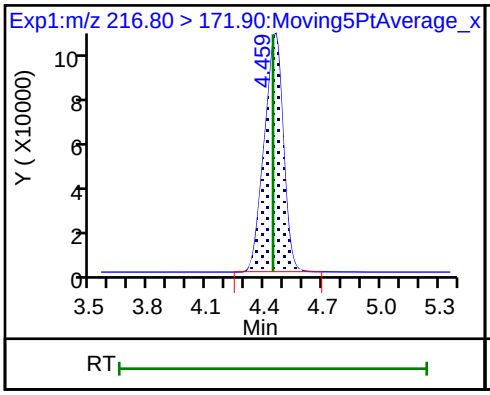
D 2 13C3PFPrA



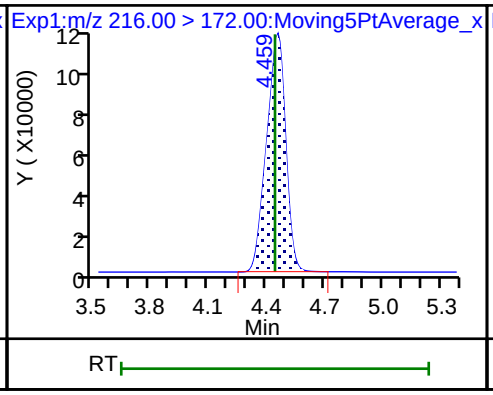
5 PFBA



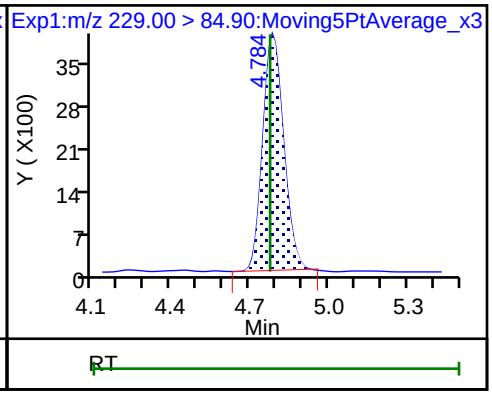
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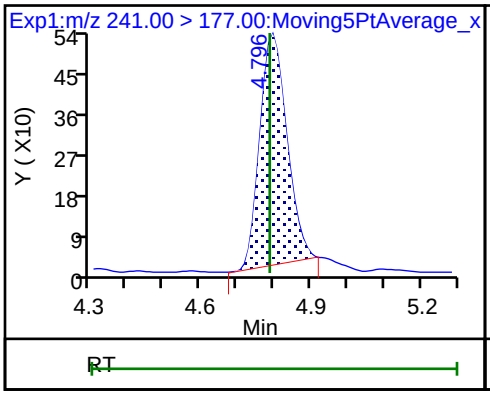
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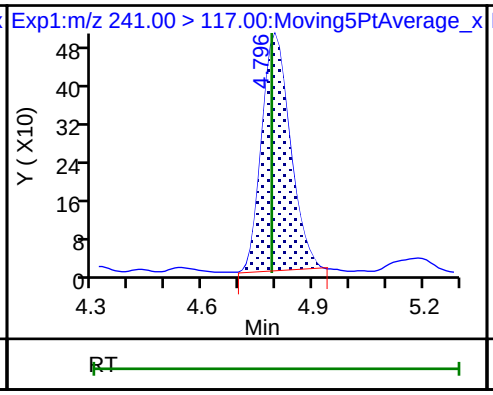
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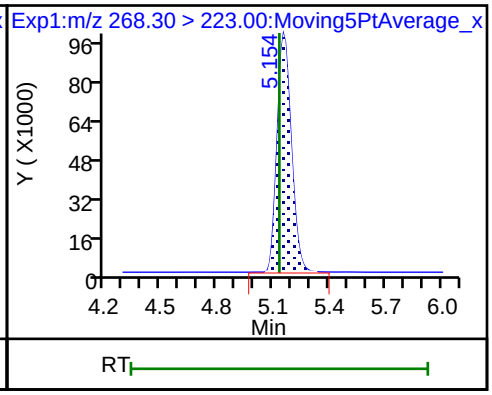
7 3:3 FTCA



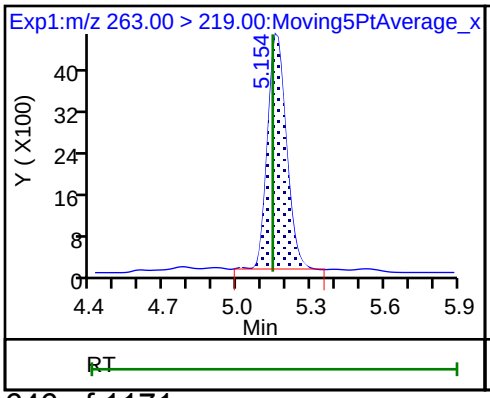
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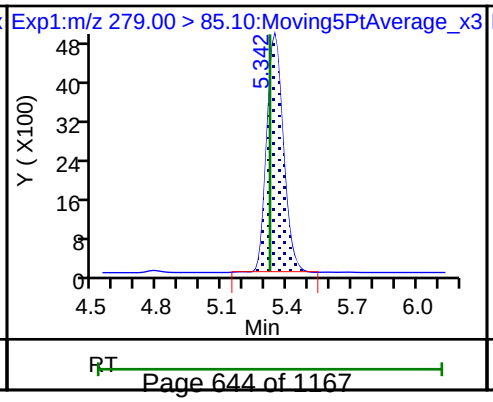
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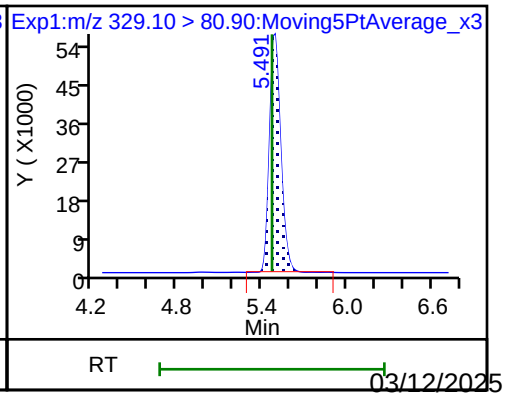
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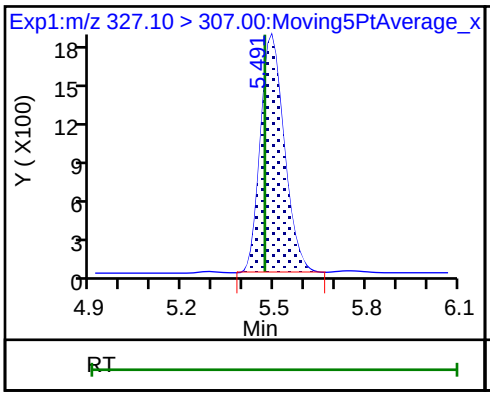
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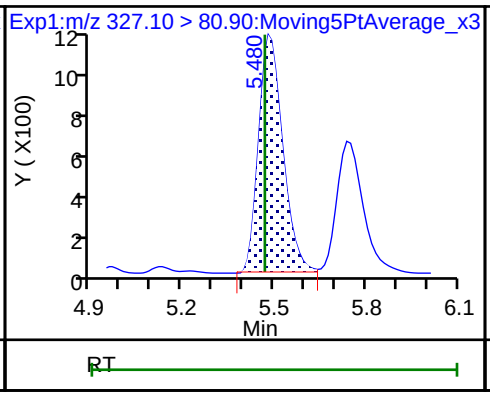
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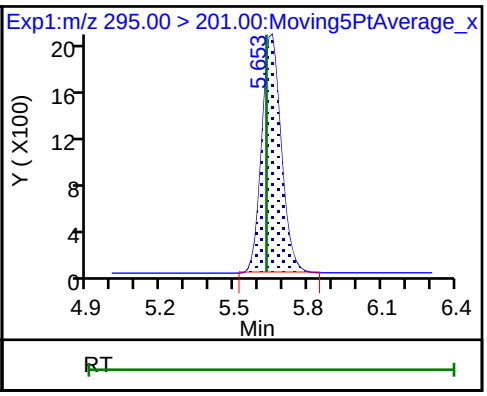
13 4:2FTS



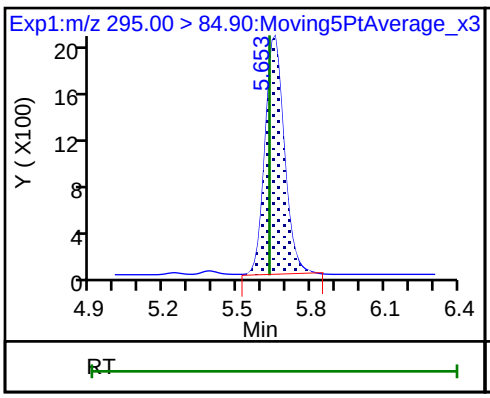
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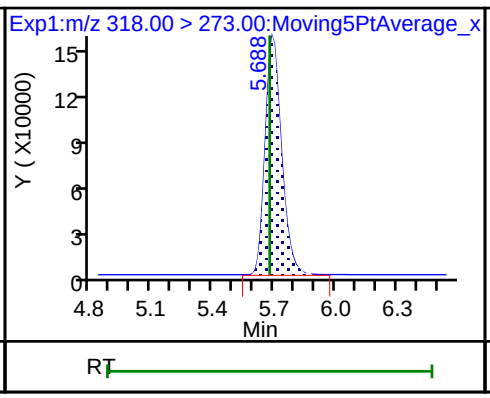
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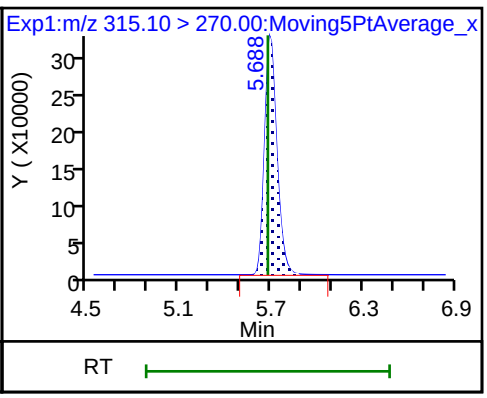
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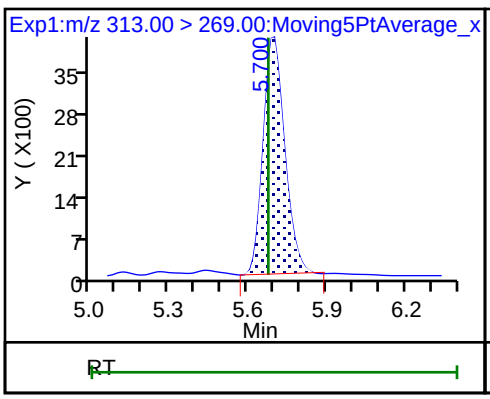
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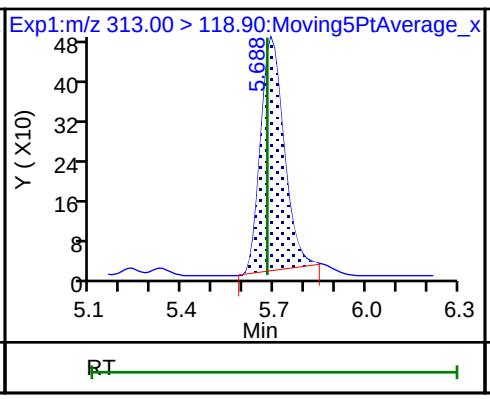
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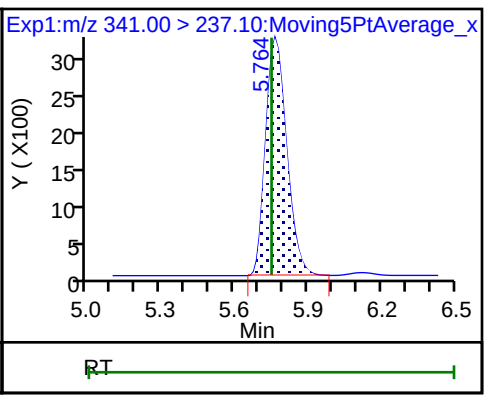
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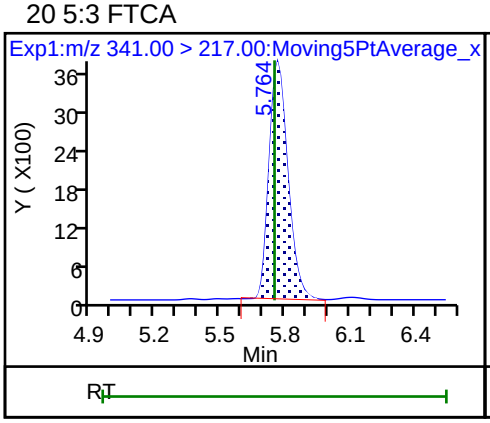
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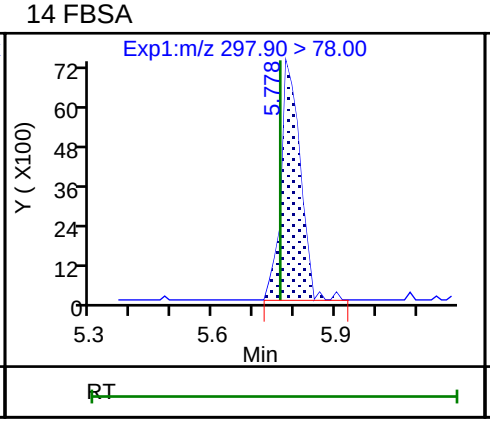
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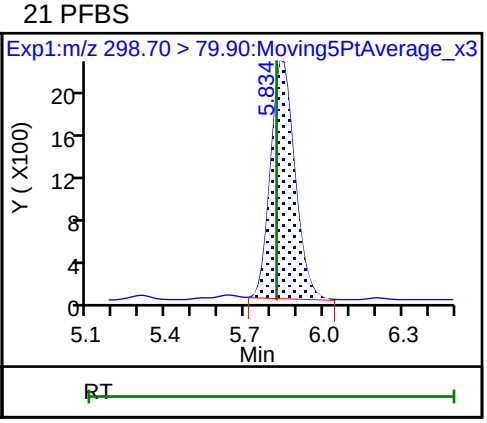
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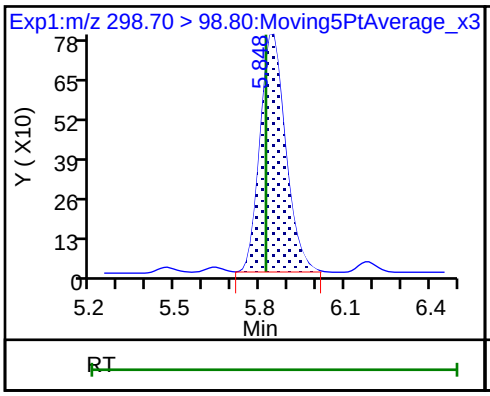
14 FBSA



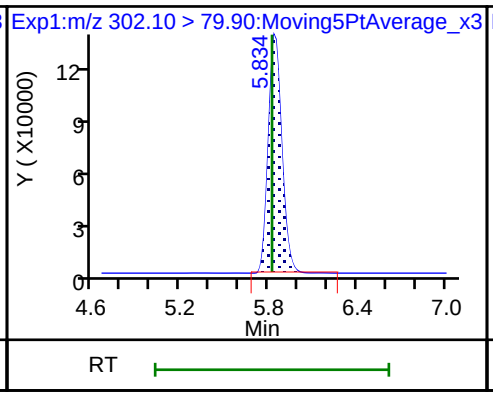
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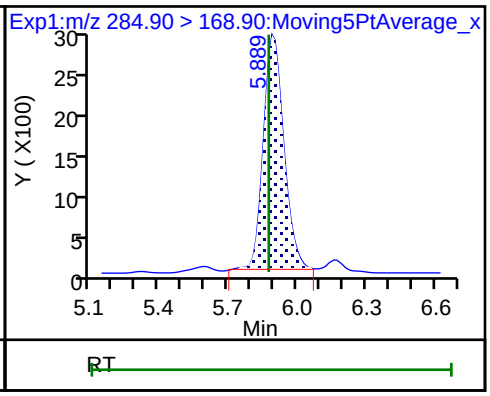
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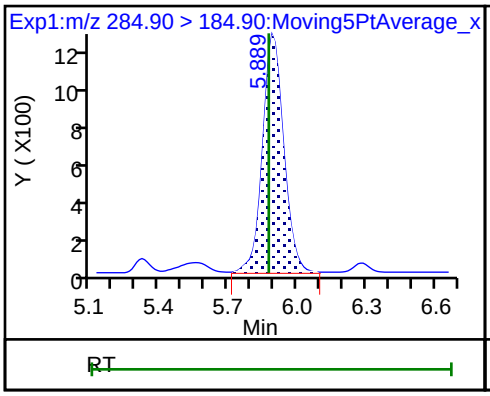
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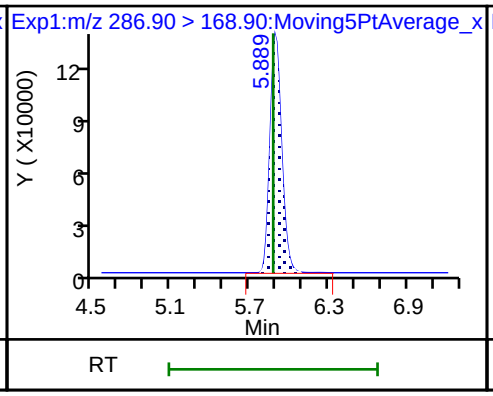
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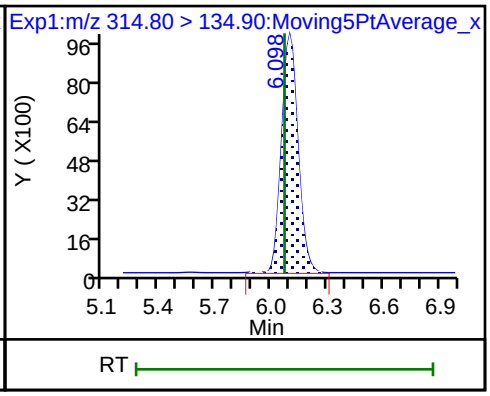
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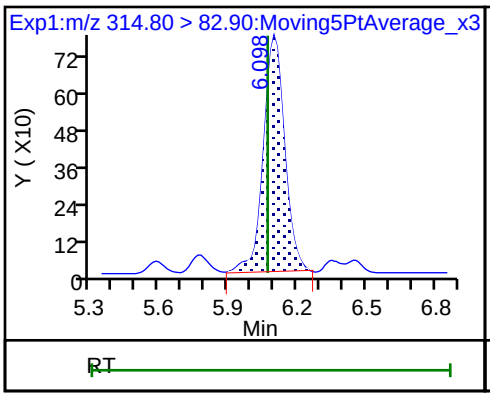
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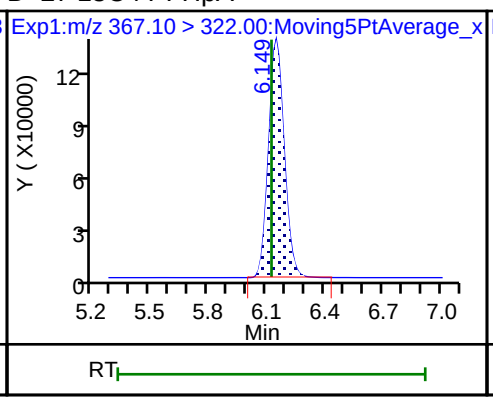
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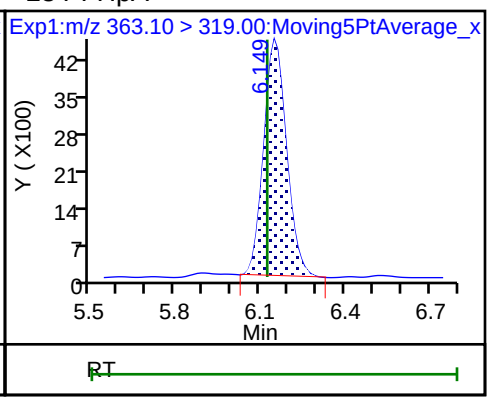
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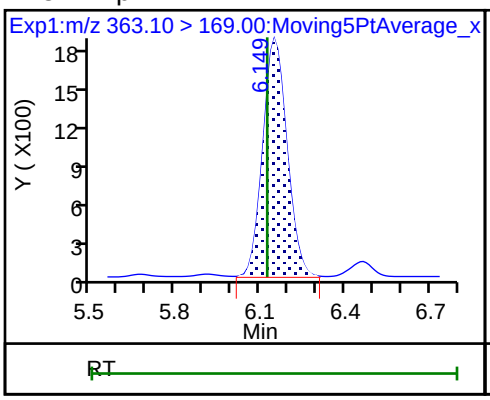
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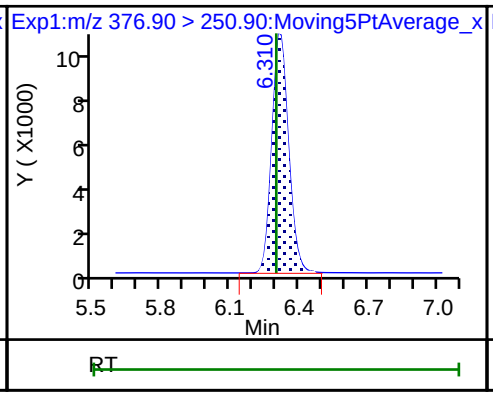
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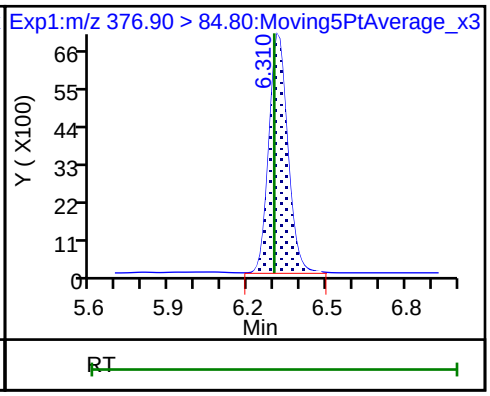
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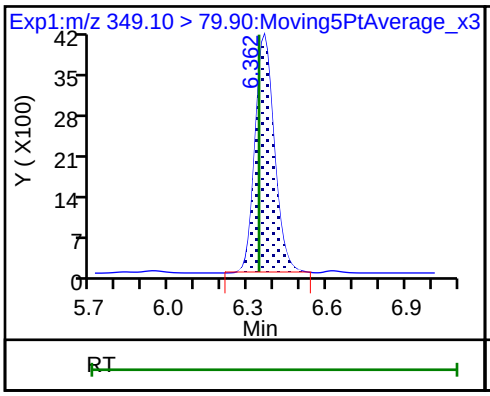
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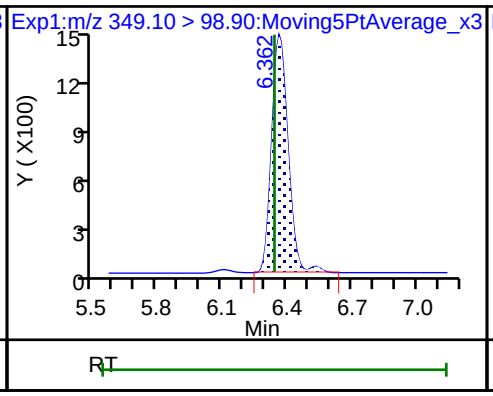
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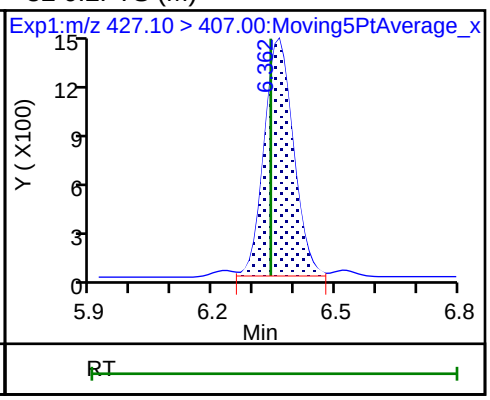
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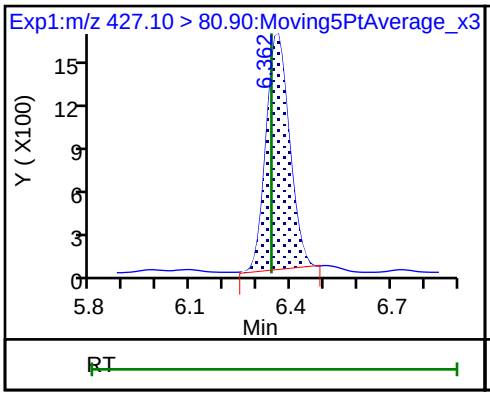
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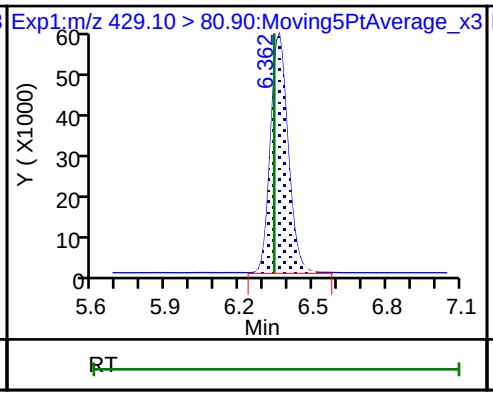
32 6:2FTS (M)



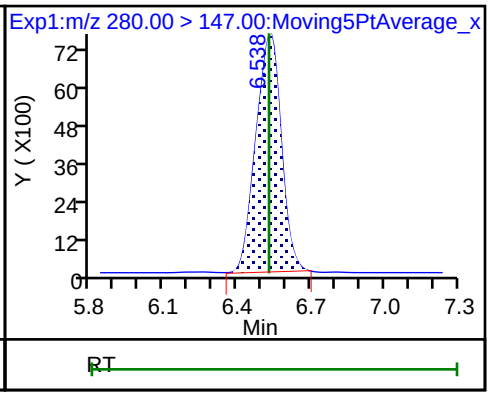
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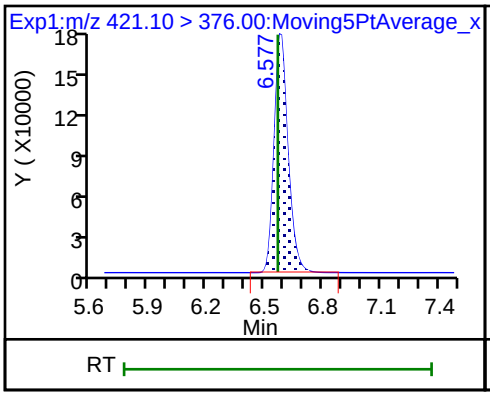
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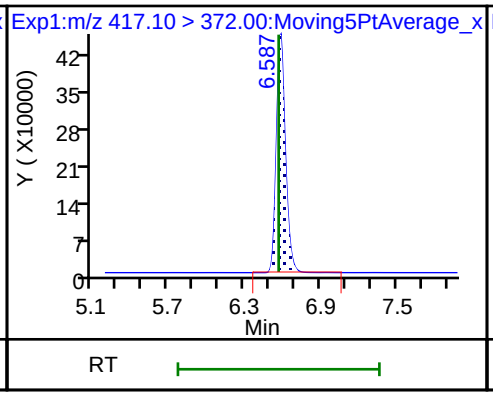
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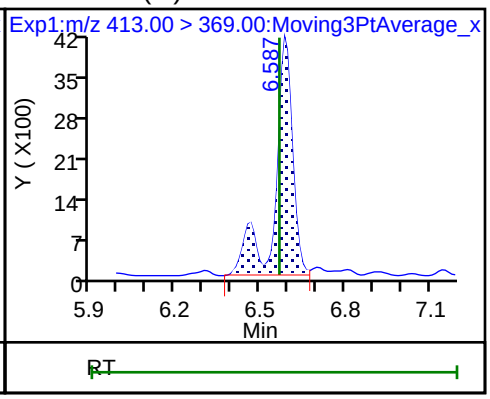
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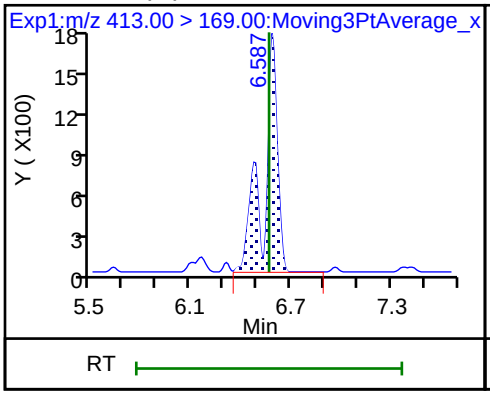
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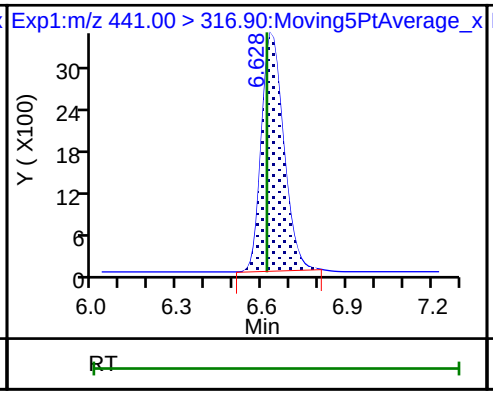
35 PFOA (M)



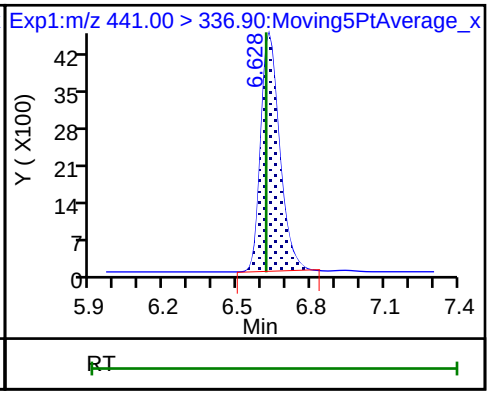
35 PFOA (M)



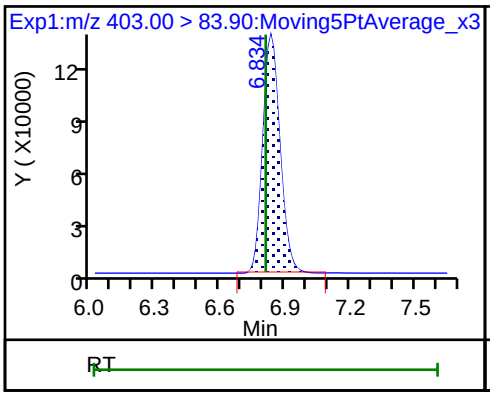
36 7:3 FTCA



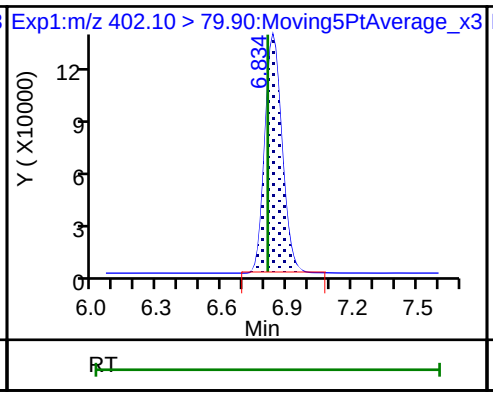
36 7:3 FTCA



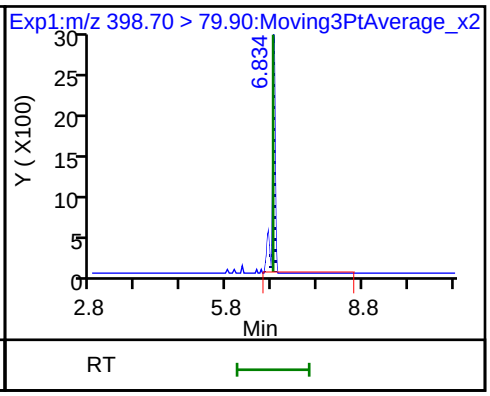
* 38 18O2 PFHxS



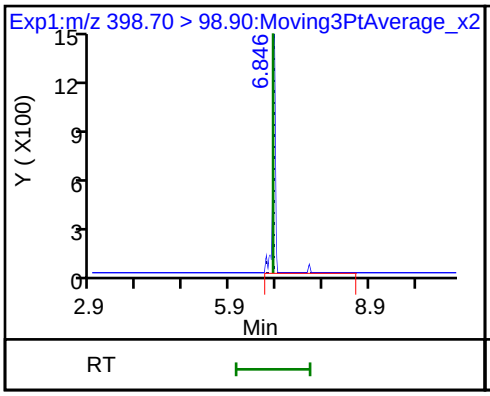
D 37 13C3 PFHxS



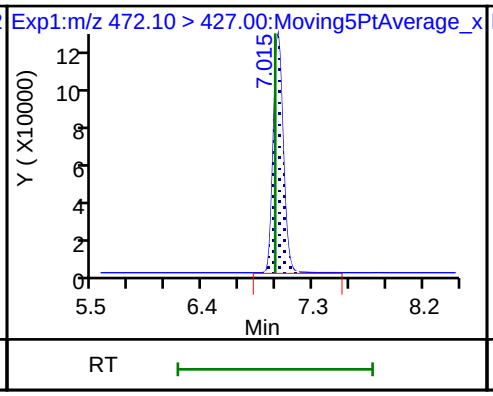
39 PFHxS



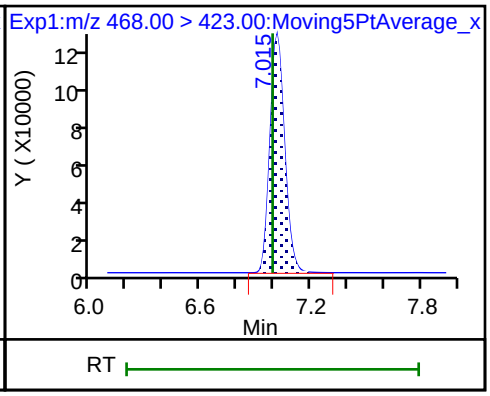
39 PFHxS



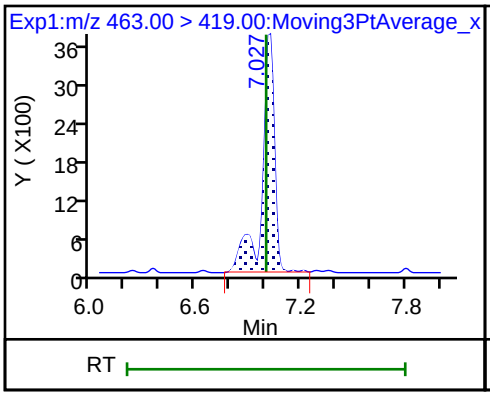
D 41 13C9 PFNA



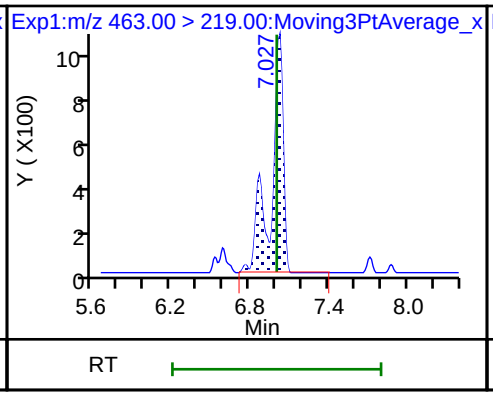
* 42 13C5 PFNA



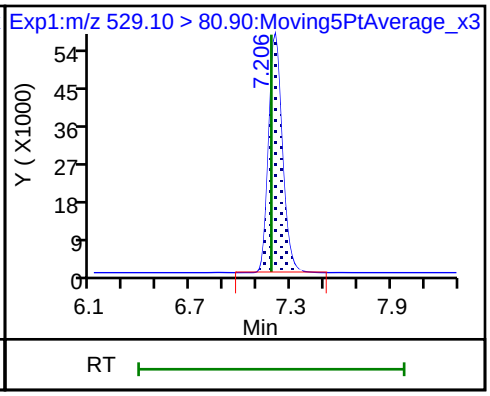
43 PFNA



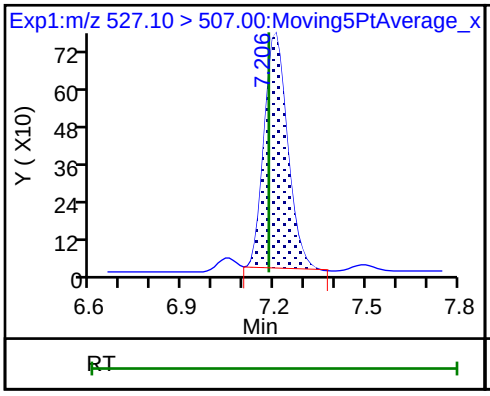
43 PFNA



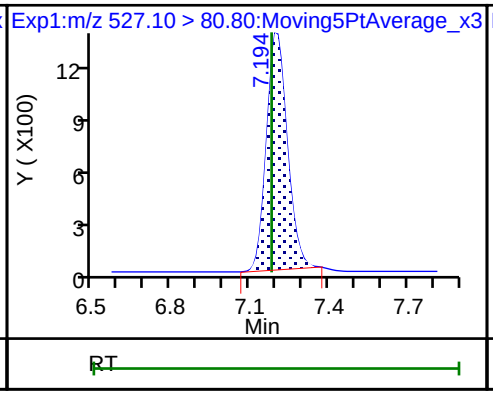
D 45 13C2-8:2FTS



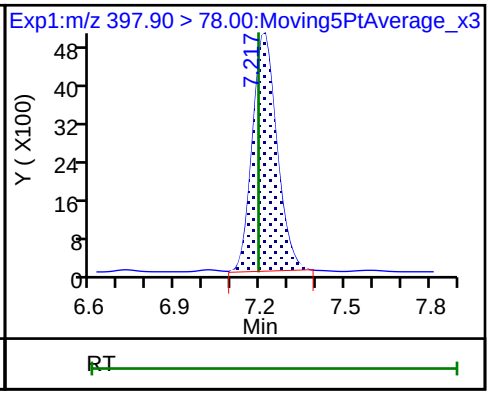
46 8:2FTS



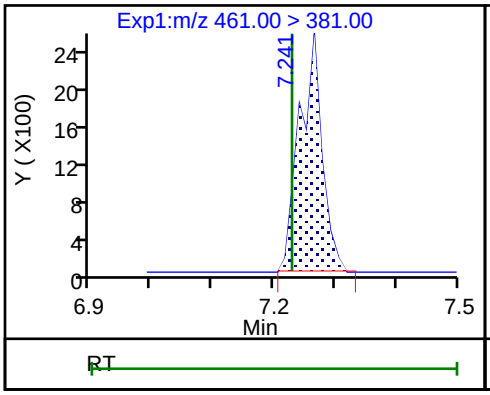
46 8:2FTS



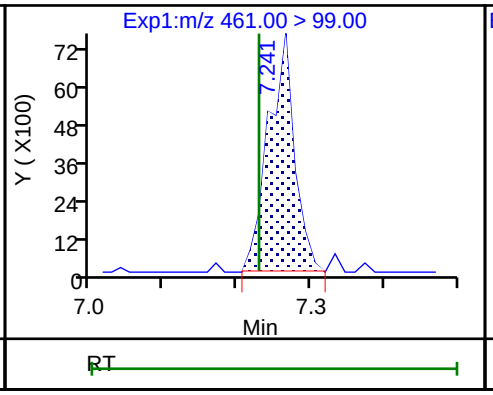
48 FHxSA



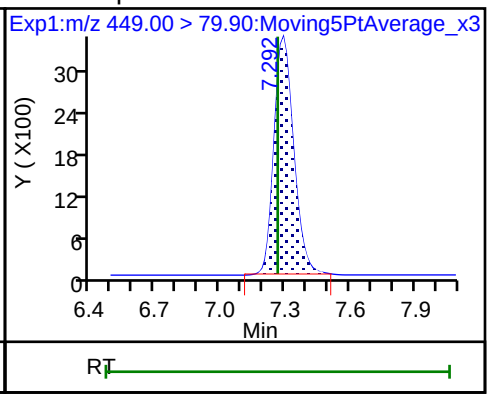
44 PFECHS



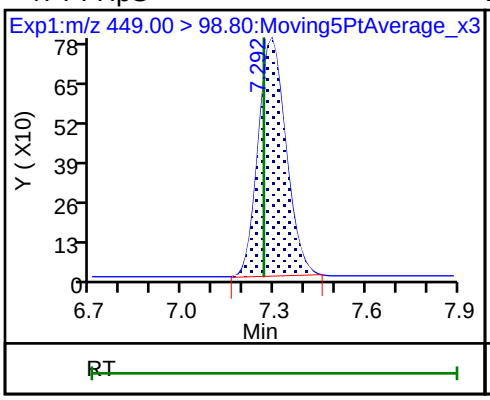
44 PFECHS



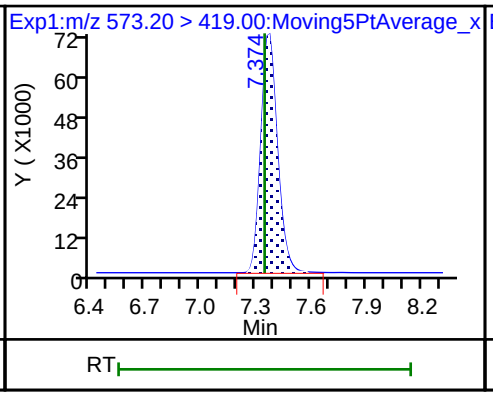
47 PFHpS



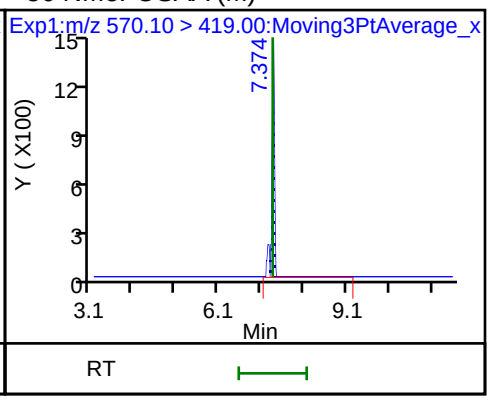
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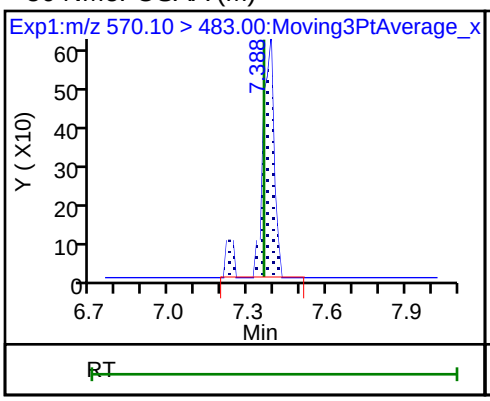
D 49 d3-NMeFOSAA



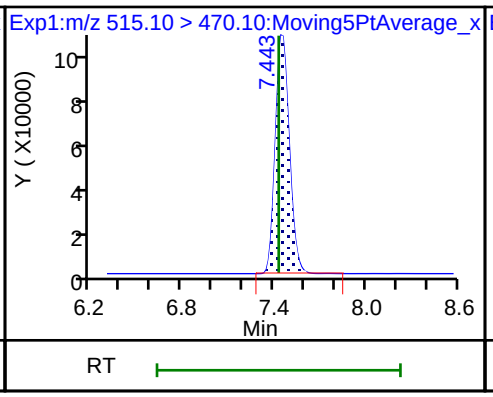
50 NMeFOSAA (M)



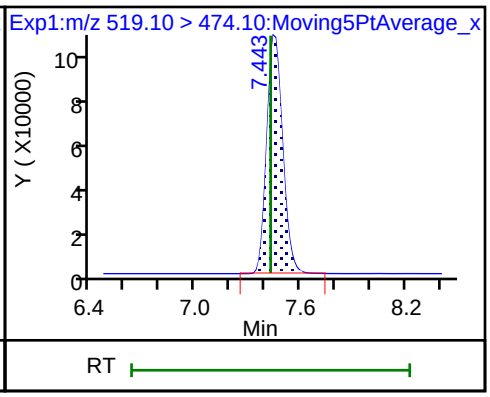
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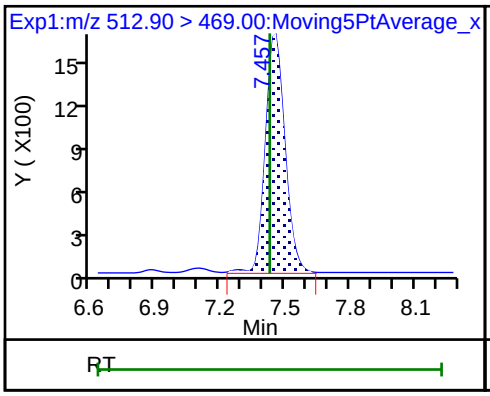
* 51 13C2 PFDA



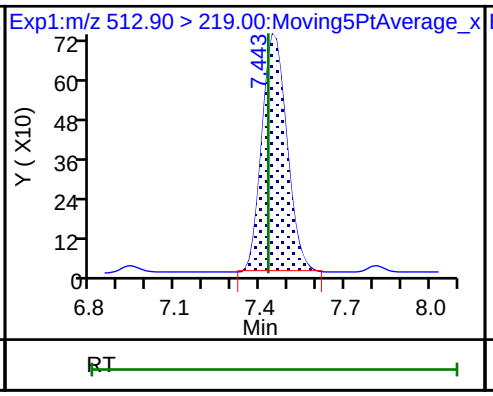
D 52 13C6 PFDA



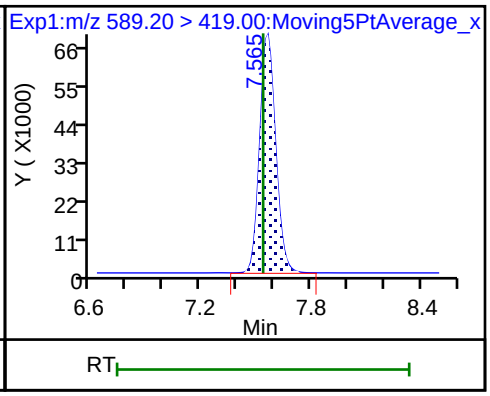
53 PFDA



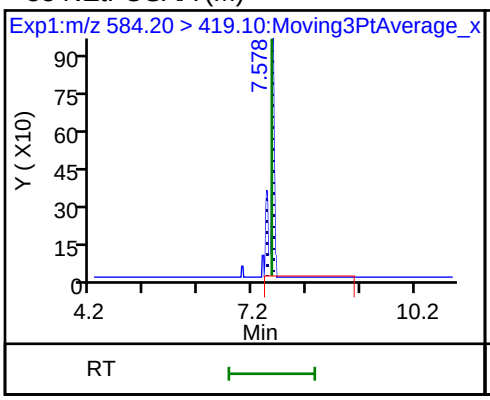
53 PFDA



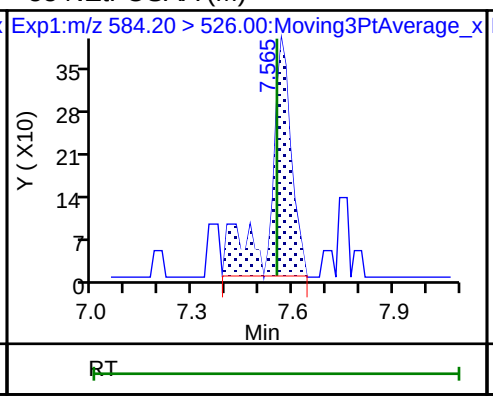
D 54 d5-NEtFOSAA



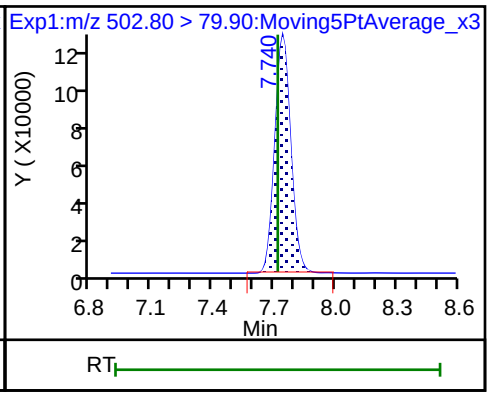
55 NEtFOSAA (M)



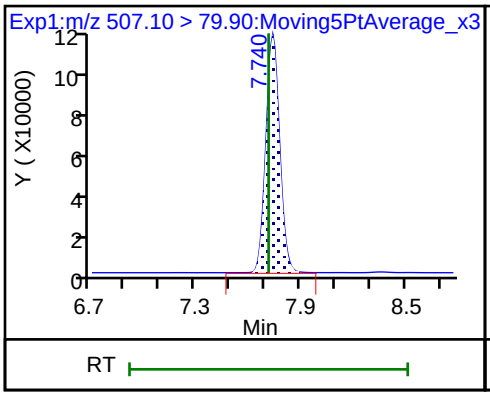
55 NEtFOSAA (M)



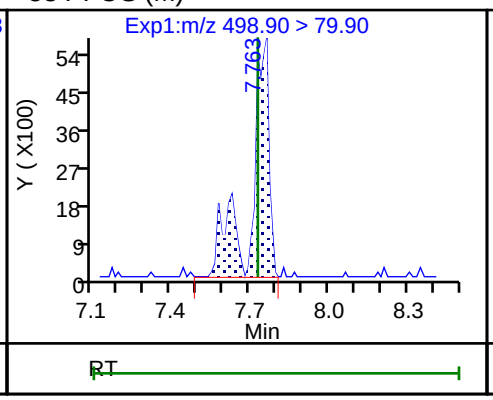
* 57 13C4 PFOS



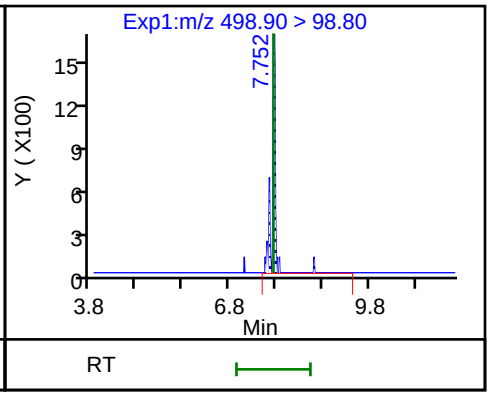
D 56 13C8 PFOS



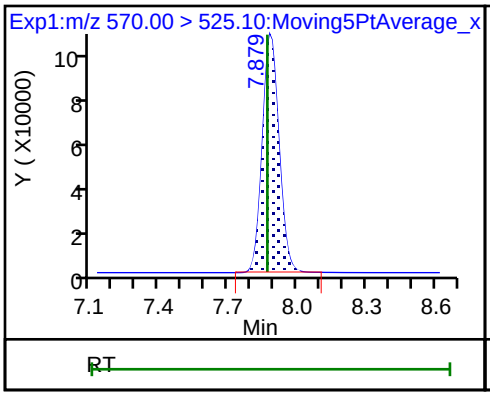
58 PFOS (M)



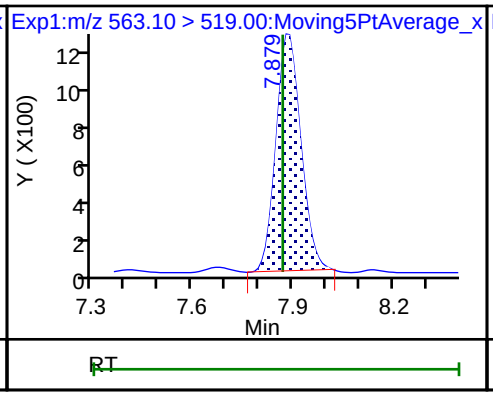
58 PFOS



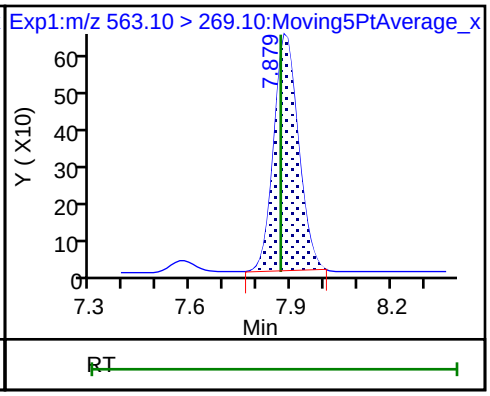
D 59 13C7 PFUnA



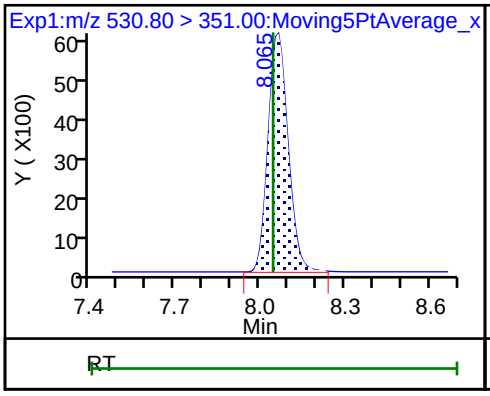
60 PFUnA



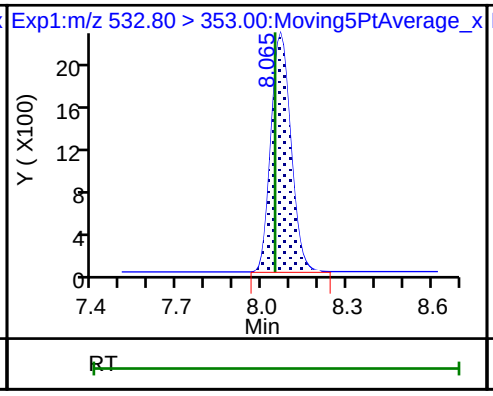
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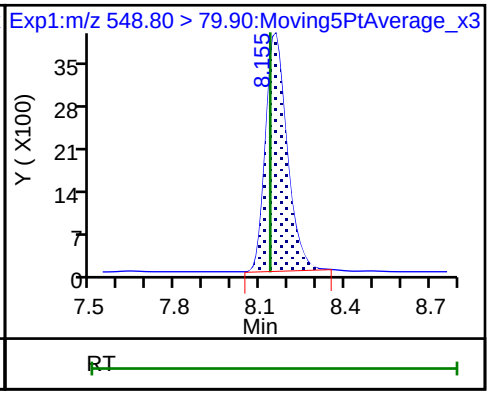
61 9ClFOS



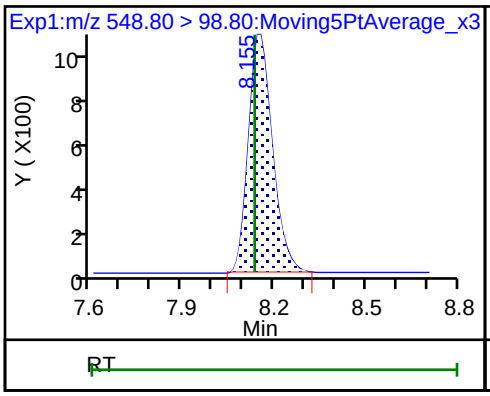
61 9ClFOS



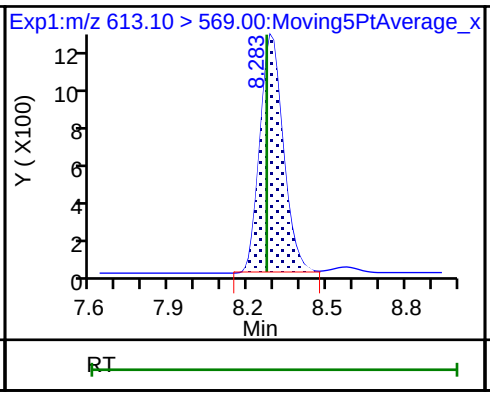
62 PFNS



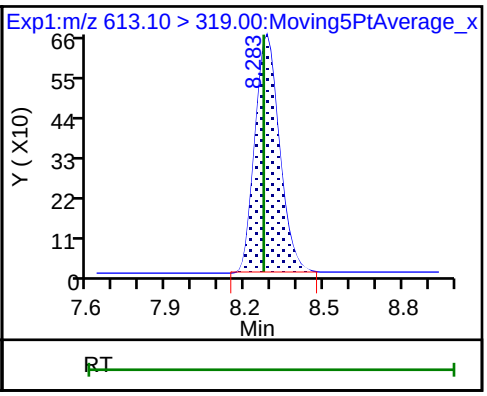
62 PFNS



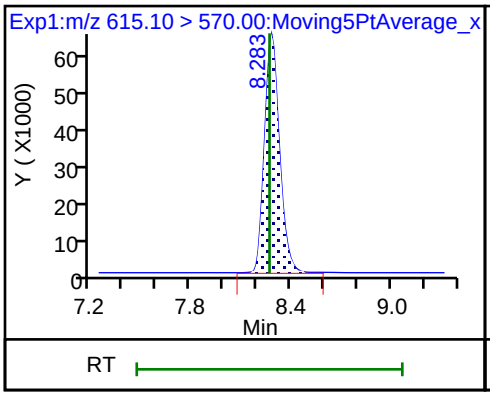
64 PFDoA



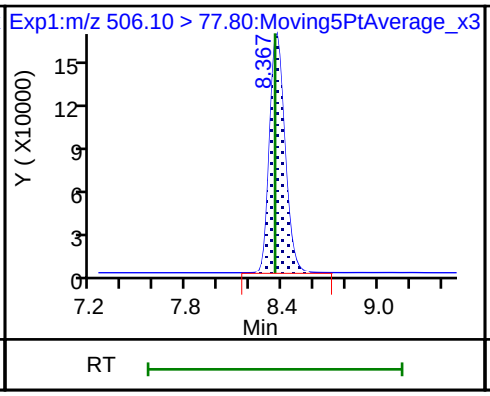
64 PFDoA



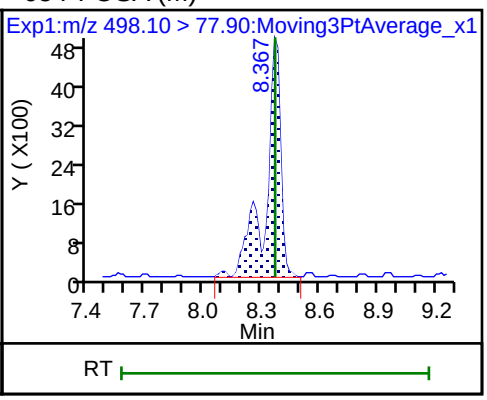
D 63 PFDoA



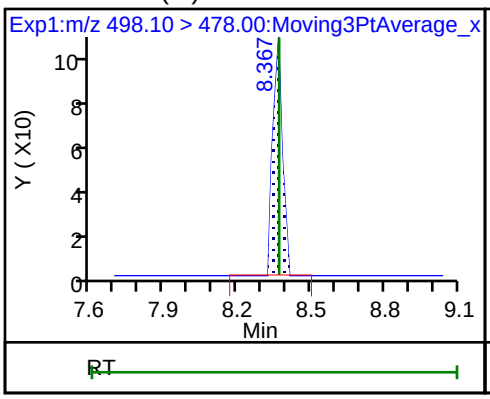
D 66 13C8 FOSA



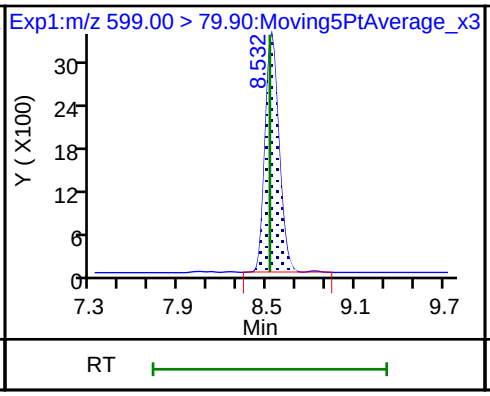
65 PFOSA (M)



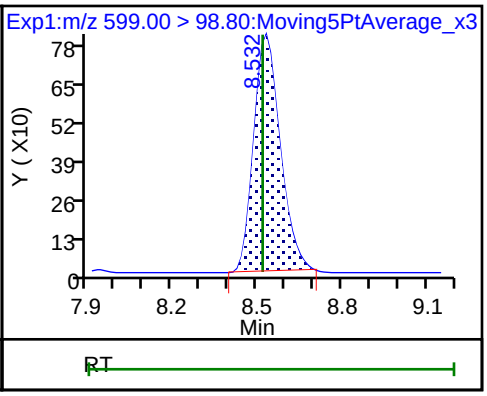
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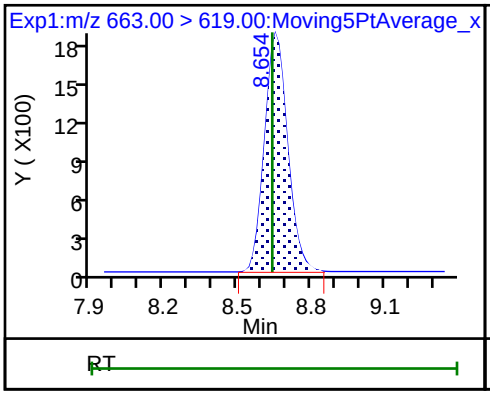
67 PFDS



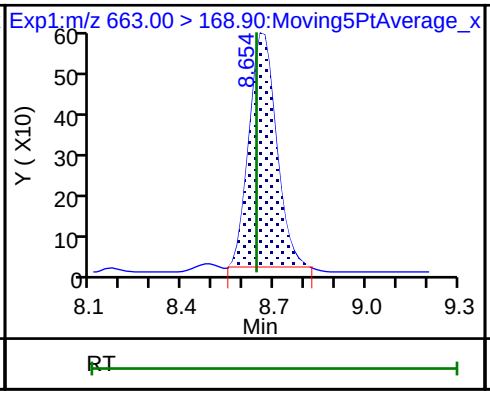
67 PFDS



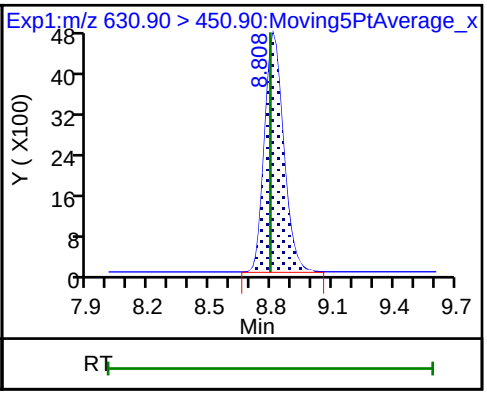
68 PFTrDA



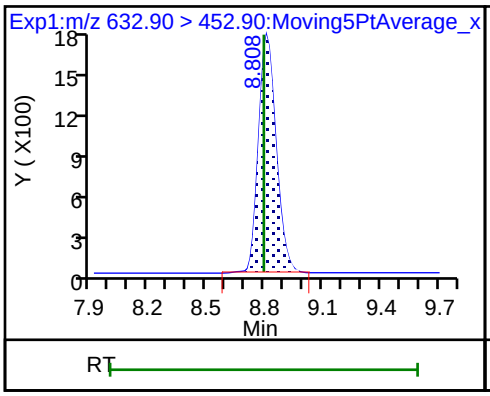
68 PFTrDA



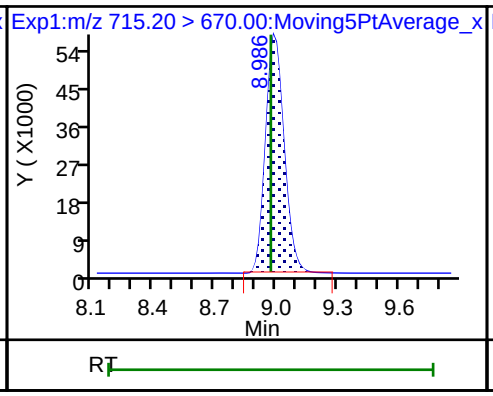
69 11ClFOS



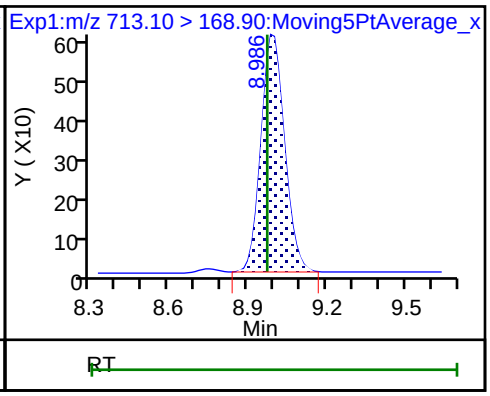
69 11ClFOS



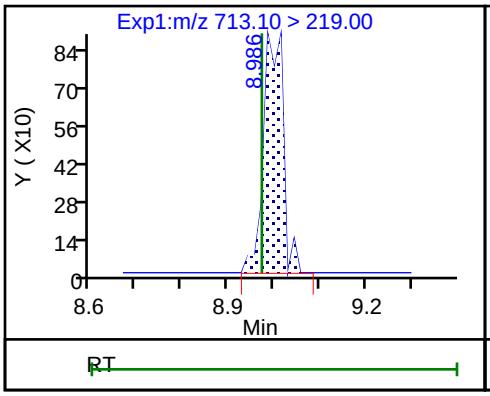
D 70 13C2 PFTeDA



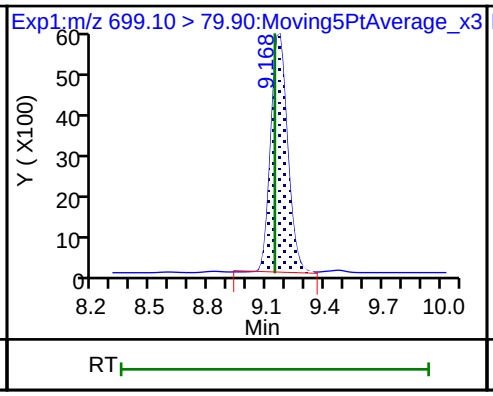
71 PFTeDA



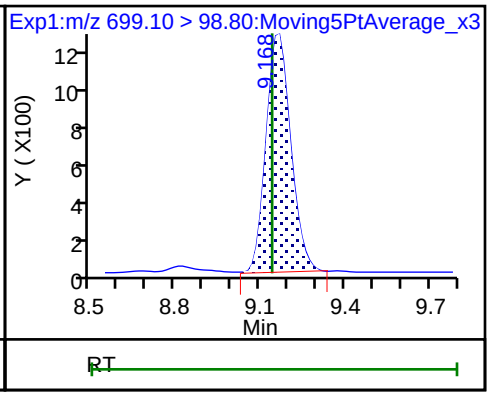
71 PFTeDA



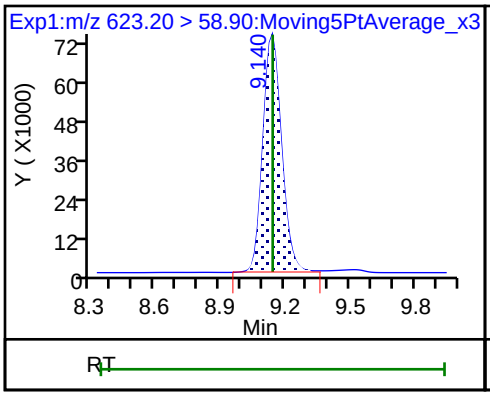
72 PFDoS



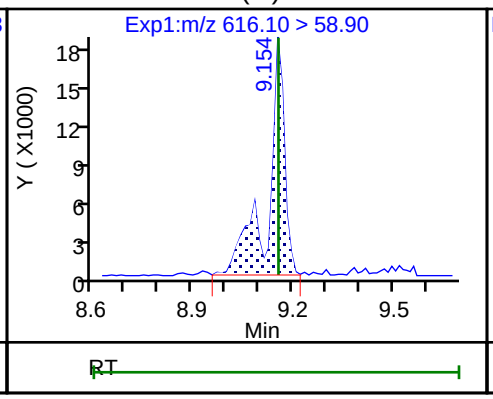
72 PFDoS



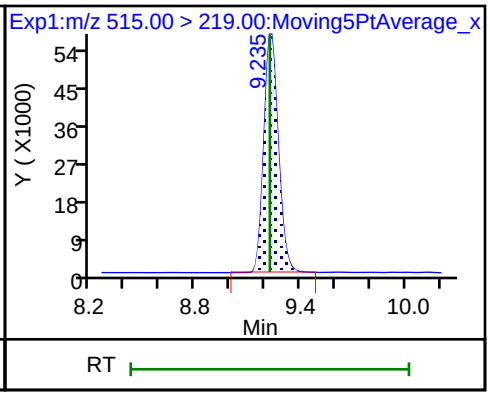
D 73 d7-N-Me-FOSE



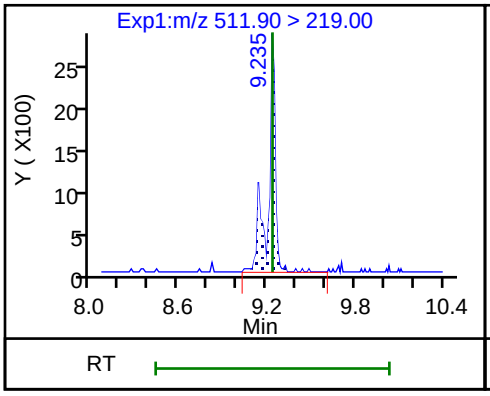
74 N-MeFOSE-M (M)



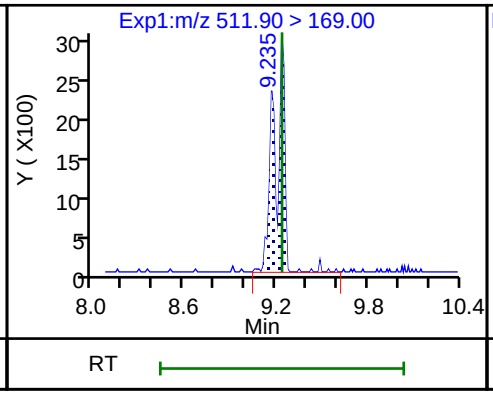
D 75 d3-NMePFOSA



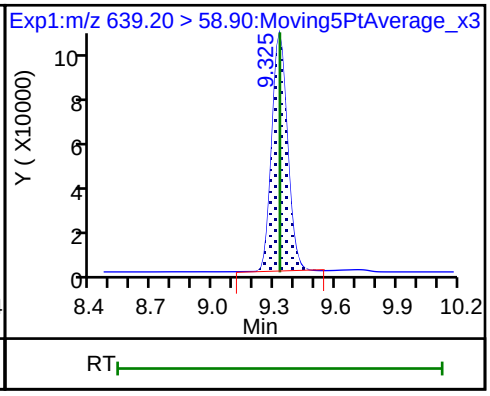
76 NMeFOSA



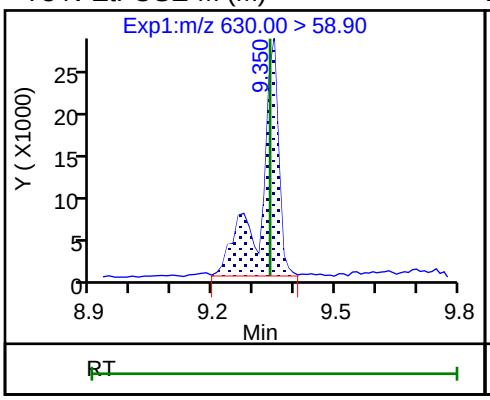
76 NMeFOSA



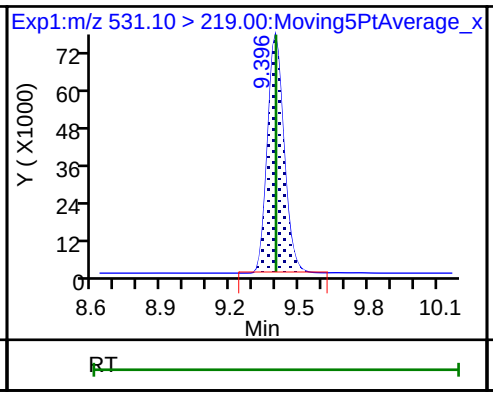
D 77 d9-N-EtFOSE



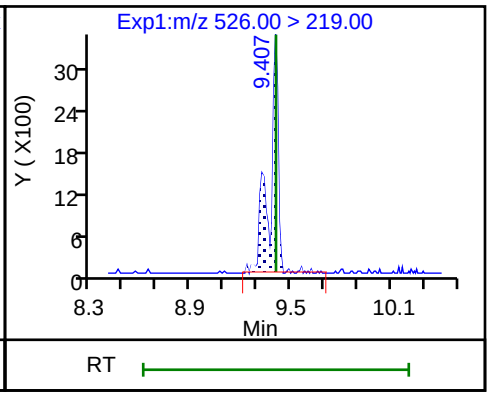
78 N-EtFOSE-M (M)



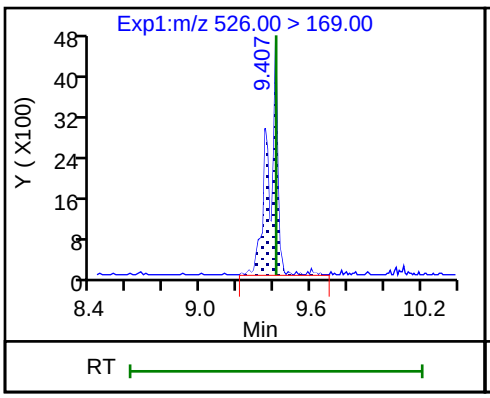
D 79 d5-NEtPFOSA



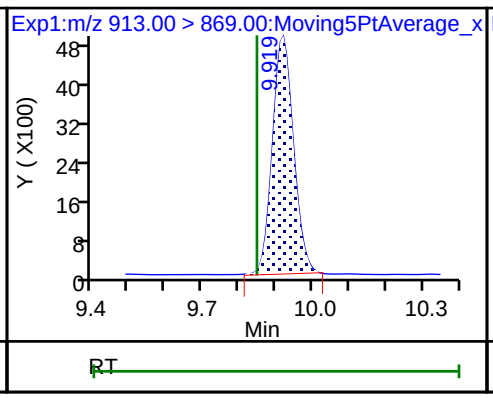
80 N-EtFOSA-M



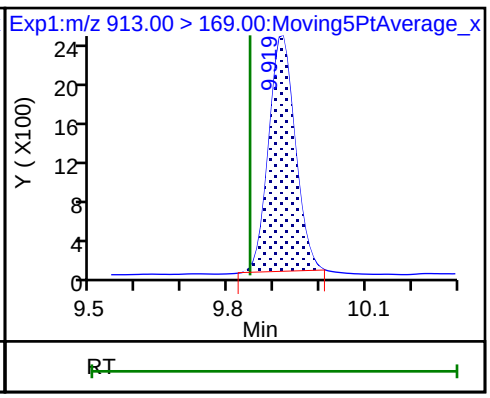
80 N-EtFOSA-M



81 Perfluorooctadecanoic acid



81 Perfluorooctadecanoic acid



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-02.d
Lims ID: IC CAL 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 03-Mar-2025 18:38:53 ALS Bottle#: 20003 Worklist Smp#: 2
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: IC CAL 2
Misc. Info.: Plate: 1 Rack: 1 410-0139703-002
Operator ID: ETUS023_USR_INS00054 Instrument ID: 30729
Sublist: chrom-30729_1633Final*sub1

Method: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\30729_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 06-Mar-2025 13:05:01 Calib Date: 03-Mar-2025 20:03:32
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-08.d

Column 1 : Det: EXP1
Process Host: CTX1635

First Level Reviewer: LDU5 Date: 03-Mar-2025 21:24:04
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
1 Perfluoropropionic acid										
163.00 > 119.00	1.884	1.885	-0.001	1.000	136187	0.6354		102	710	
D 2 13C3PFPrA										
166.00 > 121.00	1.884	1.885	-0.001	0.423	387942	1.94		97.1	181	
5 PFBA										
212.80 > 168.90	4.451	4.443	0.007	1.000	84558	0.2606		104	1087	
D 3 13C4-PFBA										
216.80 > 171.90	4.451	4.443	0.007	1.000	645583	2.04		102	16638	
* 4 13C3PFBA										
216.00 > 172.00	4.451	4.443	0.007		714603	2.00			160	
6 PFMPA										
229.00 > 84.90	4.774	4.776	-0.002	0.929	58998	0.1351		108	2978	
7 3:3 FTCA										
241.00 > 177.00	4.786	4.787	-0.001	0.931	6641	0.2643	Target=1.09	106	405	
241.00 > 117.00	4.786	4.787	-0.001	0.931	5445		1.22(0.54-1.63)	106	341	
D 9 13C5 PFPeA										
268.30 > 223.00	5.142	5.132	0.010	0.904	502712	2.04		102	28697	
10 PFPA										
263.00 > 219.00	5.142	5.143	-0.001	1.000	59003	0.1373		110	2525	
11 PFMBA										
279.00 > 85.10	5.330	5.320	0.010	1.037	65872	0.1365		109	3829	
D 12 13C2-4:2FTS										
329.10 > 80.90	5.479	5.469	0.010	0.802	280710	4.66		99.4	12509	
13 4:2FTS										
327.10 > 307.00	5.479	5.469	0.010	1.000	20462	0.2315	Target=1.32	99.2	1219	
327.10 > 80.90	5.479	5.469	0.010	1.000	16053		1.27(0.66-1.98)	99.2	722	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
15 NFDHA										
295.00 > 201.00	5.640	5.630	0.010	0.992	33019	0.1430	Target=1.24	114	1946	
295.00 > 84.90	5.640	5.630	0.010	0.992	24512		1.35(0.62-1.86)	114	1484	
D 16 13C5 PFHxA										
318.00 > 273.00	5.687	5.677	0.010	1.000	786692	1.97		98.4	45455	
* 17 13C2 PFHxA										
315.10 > 270.00	5.687	5.677	0.010		1720531	5.00			100219	
18 PFHxA										
313.00 > 269.00	5.687	5.677	0.010	1.000	48398	0.1267	Target=10.40	101	2083	
313.00 > 118.90	5.687	5.677	0.010	1.000	5219		9.27(5.20-15.60)	101	310	
20 5:3 FTCA										
341.00 > 237.10	5.762	5.751	0.011	1.013	50402	0.7166	Target=0.91	115	2819	
341.00 > 217.00	5.762	5.751	0.011	1.013	52579		0.96(0.45-1.36)	115	2949	
14 FBSA										
297.90 > 78.00	5.790	5.764	0.026	0.993	56515	0.1244		99.5	149	
21 PFBS										
298.70 > 79.90	5.832	5.820	0.012	1.000	36335	0.1168	Target=2.88	105	1630	
298.70 > 98.80	5.832	5.820	0.012	1.000	13547		2.68(1.44-4.33)	105	636	
D 19 13C3 PFBS										
302.10 > 79.90	5.832	5.820	0.012	0.854	848623	1.90		102	39439	
22 HFPO-DA										
284.90 > 168.90	5.887	5.875	0.012	1.000	36121	0.0877	Target=2.44	93.5	1902	
284.90 > 184.90	5.887	5.875	0.012	1.000	15177		2.38(1.22-3.65)	93.5	835	
D 23 13C3 HFPO-DA										
286.90 > 168.90	5.887	5.875	0.012	1.035	766845	1.96		98.1	40967	
25 PFEESA										
314.80 > 134.90	6.082	6.071	0.011	1.069	135579	0.1146	Target=11.17	103	6692	
314.80 > 82.90	6.082	6.071	0.011	1.069	15122		8.97(5.59-16.75)	103	767	
D 27 13C4 PFHpA										
367.10 > 322.00	6.147	6.124	0.023	1.081	798369	2.07		104	46316	
28 PFHpA										
363.10 > 319.00	6.147	6.124	0.023	1.000	46417	0.1092	Target=2.26	87.4	2705	
363.10 > 169.00	6.147	6.124	0.023	1.000	21039		2.21(1.13-3.39)	87.4	1238	
29 ADONA										
376.90 > 250.90	6.308	6.299	0.009	1.072	127543	0.1301	Target=1.59	110	2511	
376.90 > 84.80	6.308	6.299	0.009	1.072	78702		1.62(0.79-2.38)	110	5260	
32 6:2FTS										
427.10 > 407.00	6.360	6.341	0.019	1.000	18892	0.2477	Target=1.07	105	1272	
427.10 > 80.90	6.360	6.341	0.019	1.000	16926		1.12(0.53-1.60)	105	1102	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.360	6.341	0.019	0.931	302051	5.08		107	20434	
30 PFPeS										
349.10 > 79.90	6.349	6.341	0.008	0.930	56626	0.1325	Target=3.47	113	3434	
349.10 > 98.90	6.360	6.341	0.019	0.931	14761		3.84(1.73-5.20)	113	965	
33 BTS										M
280.00 > 147.00	6.545	6.528	0.017	0.958	136906	0.1297		106	5209	M
D 34 13C8 PFOA										
421.10 > 376.00	6.575	6.568	0.007	0.999	865553	2.05		103	43455	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 40 13C4 PFOA										
417.10 > 372.00	6.584	6.568	0.016		2186538	5.00			108717	
35 PFOA										
413.00 > 369.00	6.584	6.568	0.016	1.001	43702	0.1351	Target=1.66	108	205	
413.00 > 169.00	6.584	6.568	0.016	1.001	27021		1.62(0.83-2.49)	108	182	
36 7:3 FTCA										
441.00 > 316.90	6.625	6.616	0.009	1.165	44592	0.6310	Target=0.90	101	2724	
441.00 > 336.90	6.625	6.616	0.009	1.165	52003		0.86(0.45-1.34)	101	3231	
* 38 18O2 PFHxS										
403.00 > 83.90	6.830	6.810	0.020		688470	1.89			40283	
D 37 13C3 PFHxS										
402.10 > 79.90	6.830	6.810	0.020	1.000	679852	1.91		101	39256	
39 PFHxS										
398.70 > 79.90	6.830	6.821	0.009	1.000	28916	0.1199	Target=3.28	105	225	
398.70 > 98.90	6.842	6.821	0.021	1.002	7598		3.81(1.64-4.92)	105	59.5	
D 41 13C9 PFNA										
472.10 > 427.00	7.012	6.990	0.022	1.000	671904	1.92		96.2	39663	
* 42 13C5 PFNA										
468.00 > 423.00	7.012	6.990	0.022		712203	2.00			42363	
43 PFNA										
463.00 > 419.00	7.024	7.002	0.022	1.002	37201	0.1182	Target=2.26	94.5	220	
463.00 > 219.00	7.012	7.002	0.010	1.000	17117		2.17(1.13-3.38)	94.5	57.4	
D 45 13C2-8:2FTS										
529.10 > 80.90	7.203	7.182	0.021	1.055	314416	4.93		103	18589	
46 8:2FTS										
527.10 > 507.00	7.203	7.182	0.021	1.000	15087	0.3083	Target=0.73	129	914	
527.10 > 80.80	7.203	7.182	0.021	1.000	15824		0.95(0.36-1.09)	129	956	
48 FHxSA										
397.90 > 78.00	7.214	7.193	0.021	1.056	63254	0.1253		100	3564	
44 PFECHS										
461.00 > 381.00	7.250	7.229	0.021	1.061	10121	0.0944	Target=0.24	81.7	21.0	
461.00 > 99.00	7.263	7.229	0.034	1.063	52841		0.19(0.12-0.35)	81.7	114	
47 PFHpS										
449.00 > 79.90	7.289	7.265	0.024	0.942	49700	0.1199	Target=3.81	101	2670	
449.00 > 98.80	7.289	7.265	0.024	0.942	13490		3.68(1.91-5.72)	101	743	
D 49 d3-NMeFOSAA										
573.20 > 419.00	7.371	7.346	0.025	0.953	470392	5.05		101	24989	
50 NMeFOSAA										
570.10 > 419.00	7.385	7.360	0.025	1.002	15505	0.1384	Target=2.23	111	4216	
570.10 > 483.00	7.385	7.360	0.025	1.002	5767		2.69(1.12-3.35)	111	1389	
* 51 13C2 PFDA										
515.10 > 470.10	7.454	7.428	0.026		629248	2.00			33402	
D 52 13C6 PFDA										
519.10 > 474.10	7.454	7.428	0.026	1.000	650562	2.01		101	34479	
53 PFDA										
512.90 > 469.00	7.454	7.428	0.026	1.000	27794	0.1240	Target=2.91	99.2	1468	
512.90 > 219.00	7.454	7.428	0.026	1.000	13378		2.08(1.46-4.37)	99.2	710	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.562	7.538	0.024	0.977	398202	4.88		97.7	21990	
55 NEtFOSAA										
584.20 > 419.10	7.575	7.551	0.024	1.002	7933	0.1141	Target=1.98	91.3	52.9	
584.20 > 526.00	7.575	7.551	0.024	1.002	5238		1.51(0.99-2.97)	91.3	27.0	
* 57 13C4 PFOS										
502.80 > 79.90	7.737	7.717	0.021		689878	1.91			41299	
D 56 13C8 PFOS										
507.10 > 79.90	7.737	7.717	0.021	1.000	608208	1.84		96.3	27566	
58 PFOS										
498.90 > 79.90	7.749	7.729	0.020	1.001	58841	0.1161	Target=4.40	99.9	13844	
498.90 > 98.80	7.749	7.729	0.020	1.001	14122		4.17(2.20-6.59)	99.9	20.1	
D 59 13C7 PFUnA										
570.00 > 525.10	7.887	7.869	0.018	1.058	551545	2.15		107	36899	
60 PFUnA										
563.10 > 519.00	7.887	7.869	0.018	1.000	21462	0.1468	Target=2.30	117	1401	
563.10 > 269.10	7.887	7.869	0.018	1.000	9581		2.24(1.15-3.45)	117	617	
61 9ClFOS										
530.80 > 351.00	8.063	8.045	0.018	1.370	65884	0.1188	Target=3.09	102	4446	
532.80 > 353.00	8.063	8.045	0.018	1.370	23070		2.86(1.54-4.63)	102	1661	
62 PFNS										
548.80 > 79.90	8.154	8.135	0.018	1.054	50977	0.1294	Target=3.74	108	3184	
548.80 > 98.80	8.154	8.135	0.018	1.054	12633		4.04(1.87-5.61)	108	824	
64 PFDoA										
613.10 > 569.00	8.282	8.271	0.011		20253	0.1335	Target=2.66	107	1070	
613.10 > 319.00	8.282	8.271	0.011		6744		3.00(1.33-4.00)	107	354	
D 63 PFDoA										
615.10 > 570.00	8.282	8.271	0.011	1.111	385974	2.06		103	20416	
D 66 13C8 FOSA										
506.10 > 77.80	8.366	8.354	0.012	1.081	1034893	1.89		94.4	30748	
65 PFOSA										Ma
498.10 > 77.90	8.381	8.369	0.012	1.002	61312	0.1292	Target=73.16	103	345	a
498.10 > 478.00	8.366	8.369	-0.003	1.000	1425		43.03(36.58-109.75)	103		M
67 PFDS										
599.00 > 79.90	8.531	8.519	0.012	1.103	56040	0.1308	Target=4.05	109	2835	
599.00 > 98.80	8.531	8.519	0.012	1.103	15096		3.71(2.03-6.08)	109	1158	
68 PFTrDA										
663.00 > 619.00	8.653	8.641	0.012	0.963	34293	0.1367	Target=3.35	109	1784	
663.00 > 168.90	8.653	8.641	0.012	0.963	9849		3.48(1.67-5.02)	109	517	
69 11ClFOS										
630.90 > 450.90	8.807	8.795	0.012	1.496	74402	0.1298	Target=2.94	110	3865	
632.90 > 452.90	8.807	8.795	0.012	1.496	25716		2.89(1.47-4.42)	110	1343	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.984	8.972	0.012	1.205	350703	2.09		105	18536	
71 PFTeDA										
713.10 > 168.90	8.999	8.972	0.027	1.002	7035	0.1107	Target=1.12	88.6	377	
713.10 > 219.00	8.999	8.972	0.027	1.002	7912		0.89(0.56-1.68)	88.6	40.8	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
72 PFDoS										
699.10 > 79.90	9.153	9.142	0.011	1.183	82132	0.1243	Target=4.47	103	4561	
699.10 > 98.80	9.153	9.142	0.011	1.183	18239		4.50(2.24-6.71)	103	1023	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.139	9.142	-0.003	1.181	432180	4.70		94.0	6035	
74 N-MeFOSE-M										
616.10 > 58.90	9.167	9.156	0.011	1.003	157802	0.6897		110	585	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.234	9.224	0.010	1.193	319591	1.88		94.1	9350	
76 NMeFOSA										
511.90 > 219.00	9.234	9.237	-0.003	1.000	23013	0.1346	Target=0.69	108	128	
511.90 > 169.00	9.247	9.237	0.010	1.001	33929		0.68(0.34-1.03)	108	133	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.324	9.327	-0.003	1.205	544717	4.86		97.2	7877	
78 N-EtFOSE-M										
630.00 > 58.90	9.349	9.339	0.010	1.003	223520	0.6567		105	74945	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.395	9.398	-0.003	1.214	349666	1.85		92.6	23289	
80 N-EtFOSA-M										
526.00 > 219.00	9.406	9.409	-0.003	1.001	29103	0.1383	Target=0.78	111	219	
526.00 > 169.00	9.406	9.409	-0.003	1.001	36372		0.80(0.39-1.16)	111	245	
81 Perfluorooctadecanoic acid										
913.00 > 869.00	9.894	9.847	0.047	1.101	48979	0.1323	Target=2.08	106	4138	
913.00 > 169.00	9.894	9.847	0.047	1.101	23750		2.06(1.04-3.12)	106	2005	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

1633_125_CAL2_00019 Amount Added: 1.00 Units: mL

Report Date: 06-Mar-2025 13:05:02 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-02.d

Injection Date: 03-Mar-2025 18:38:53 Instrument ID: 30729

Lims ID: IC CAL 2

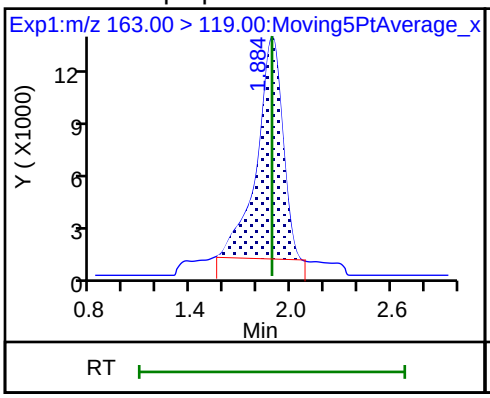
Client ID:

Operator ID: ETUS023_USR_INS00054 ALS Bottle#: 20003 Worklist Smp#: 2

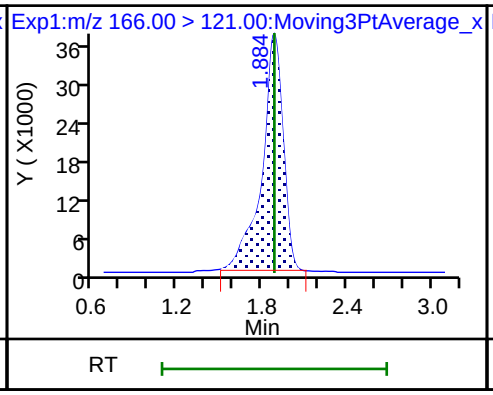
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Method: 30729_1633Final Limit Group: LC - 1633 LVI- ICAL

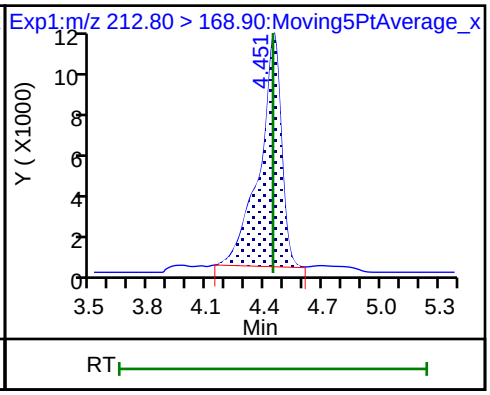
1 Perfluoropropionic acid



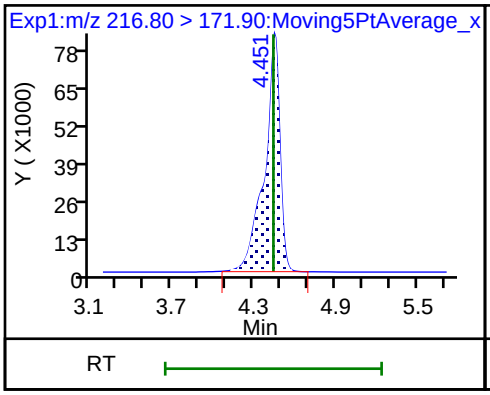
D 2 13C3PFPrA



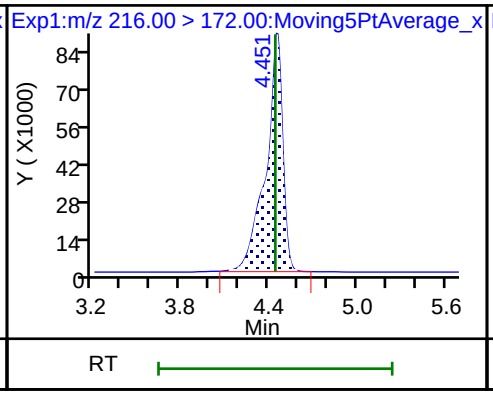
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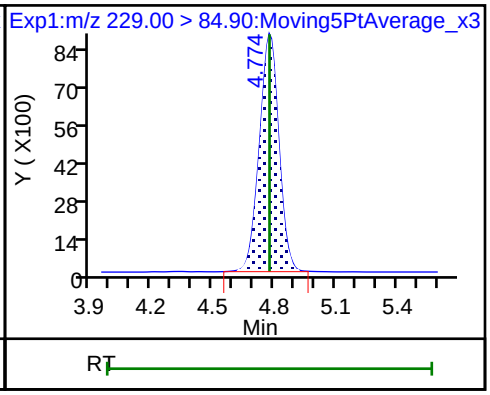
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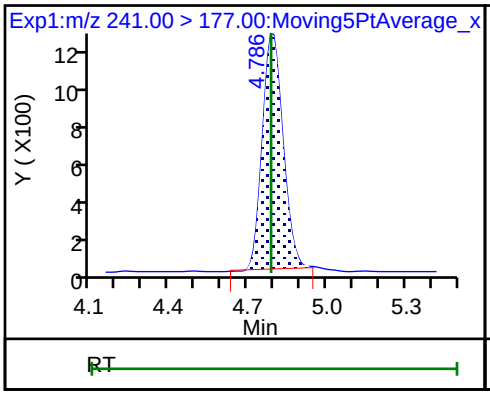
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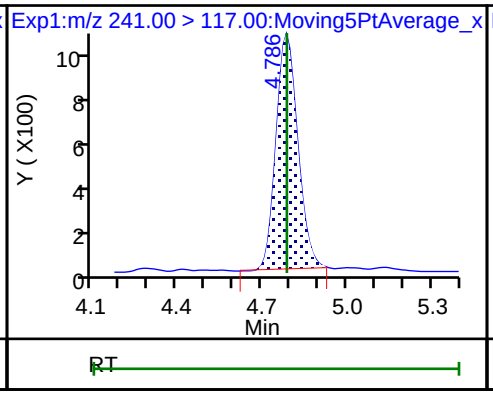
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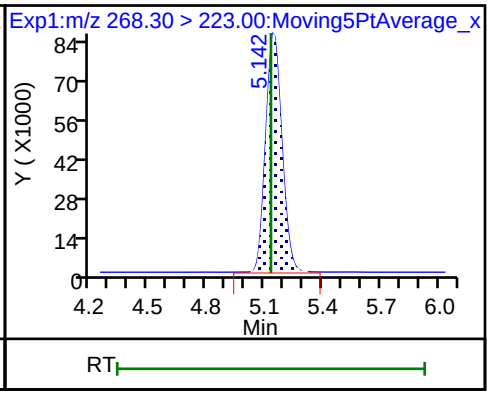
7 3:3 FTCA



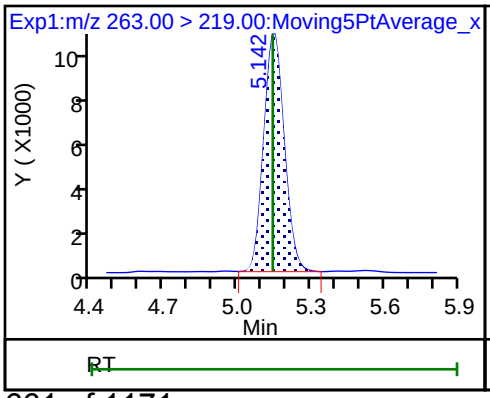
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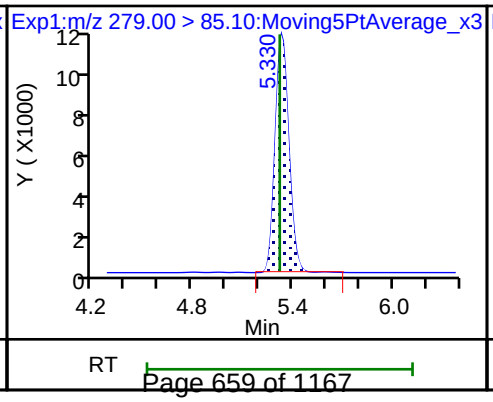
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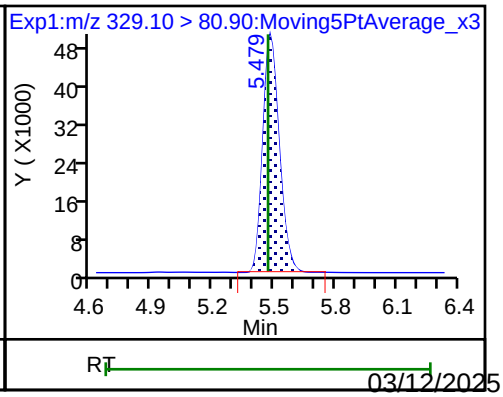
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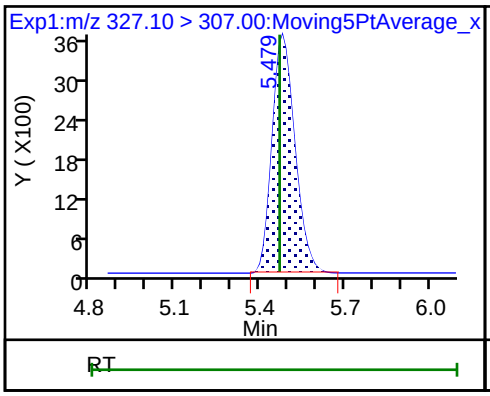
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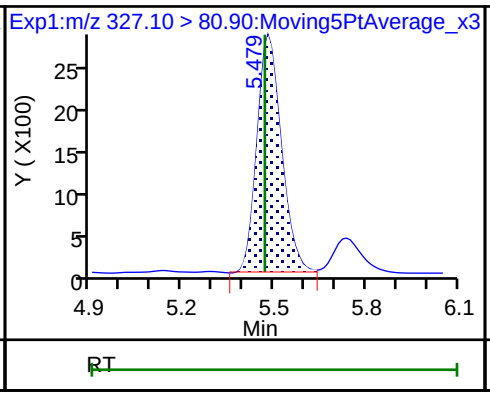
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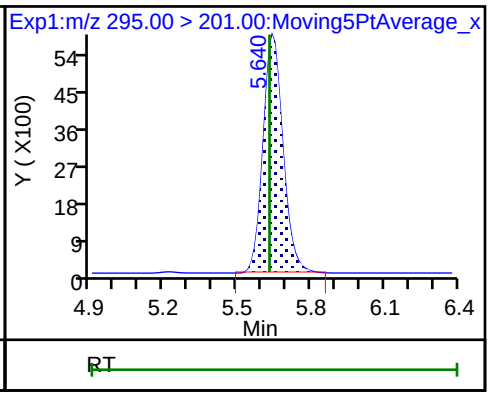
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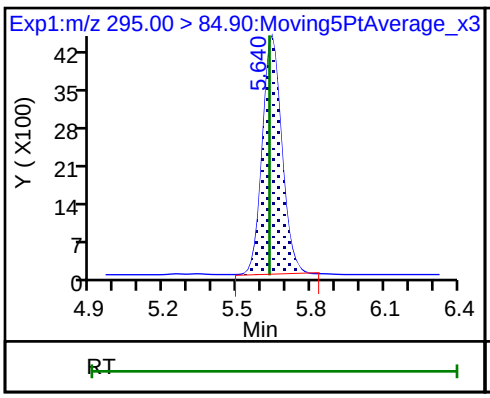
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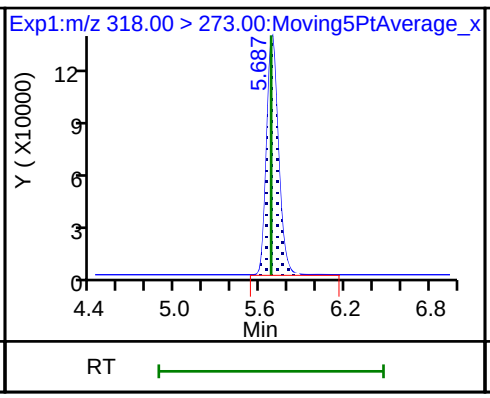
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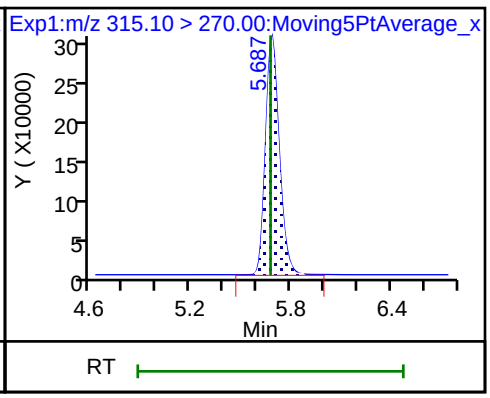
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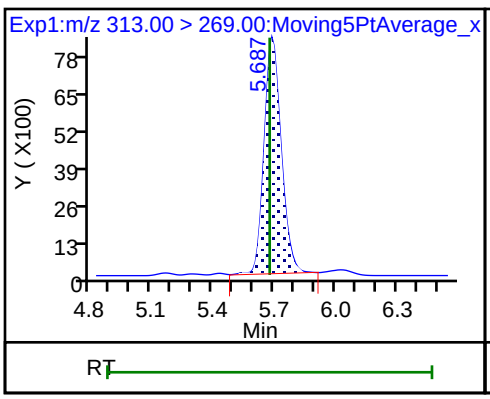
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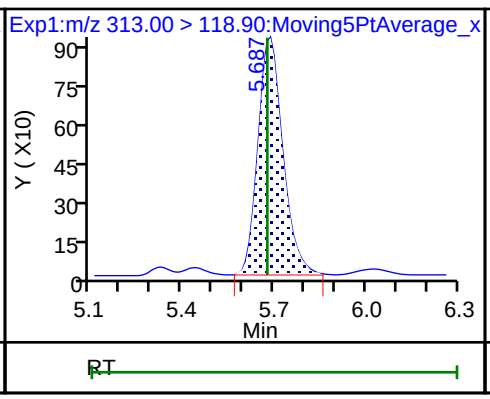
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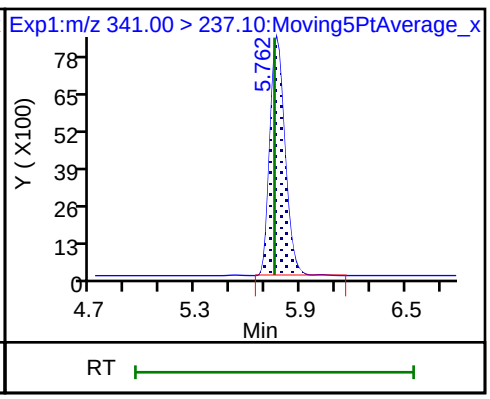
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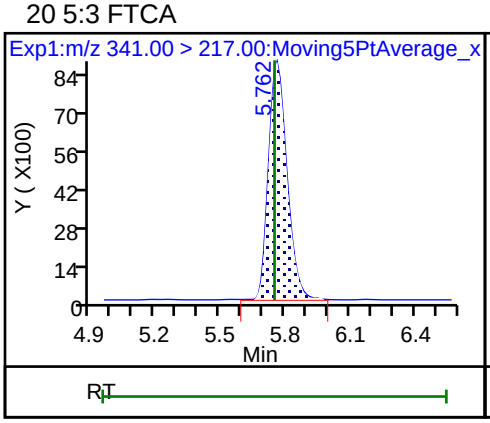
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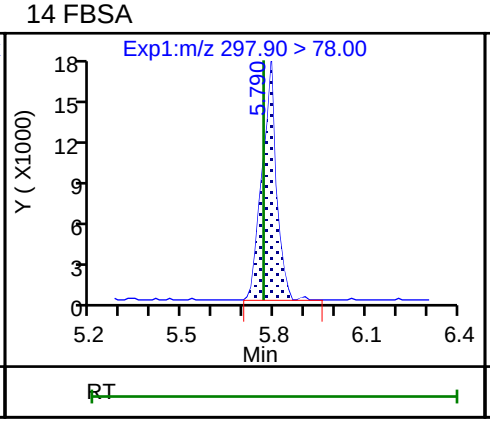
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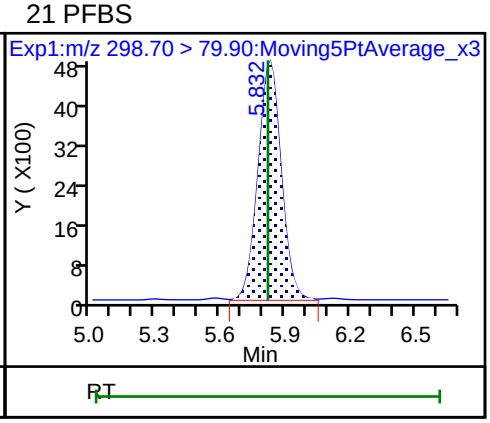
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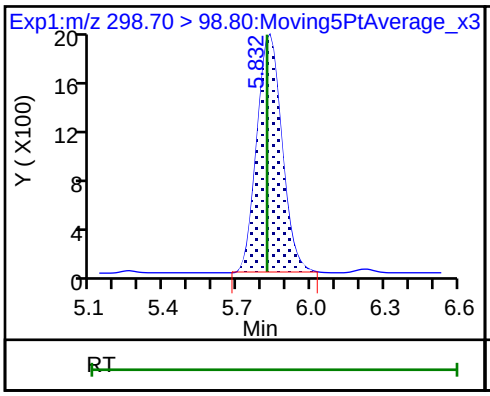
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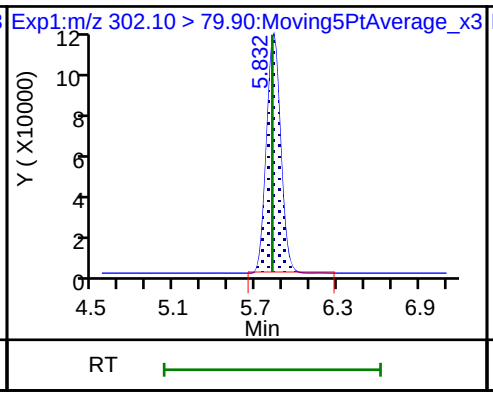
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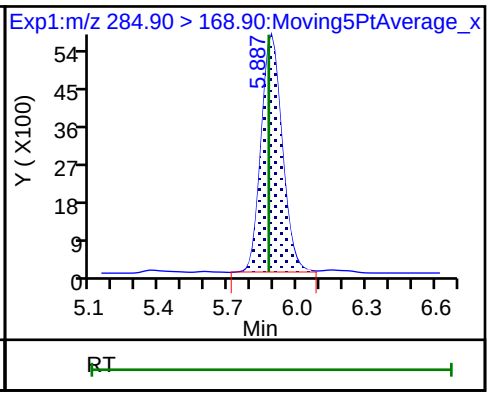
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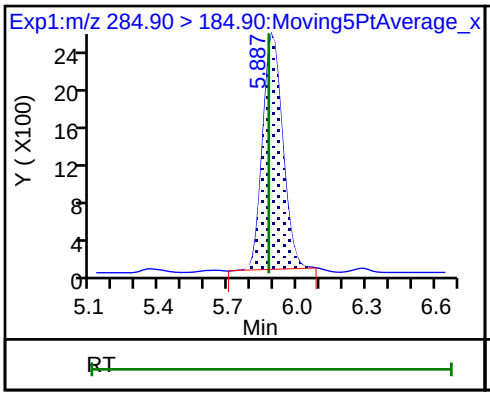
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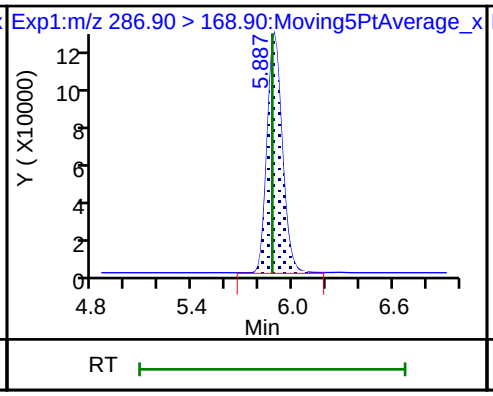
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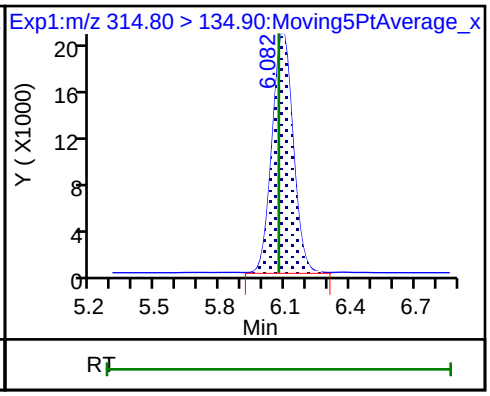
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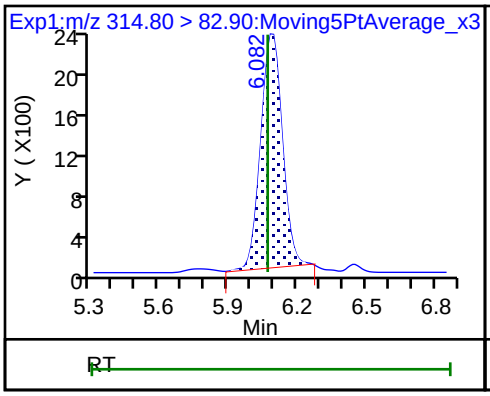
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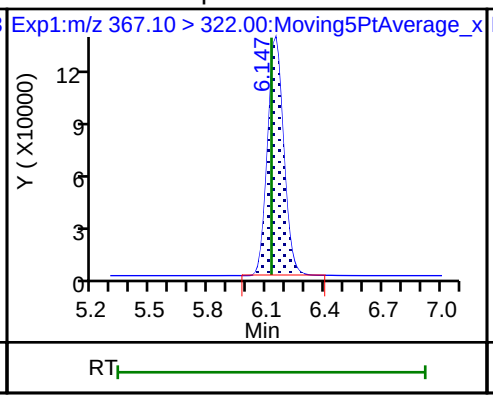
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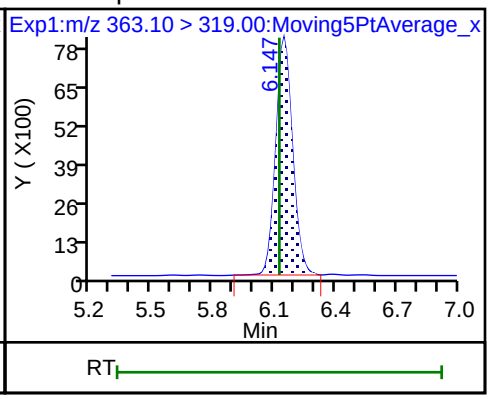
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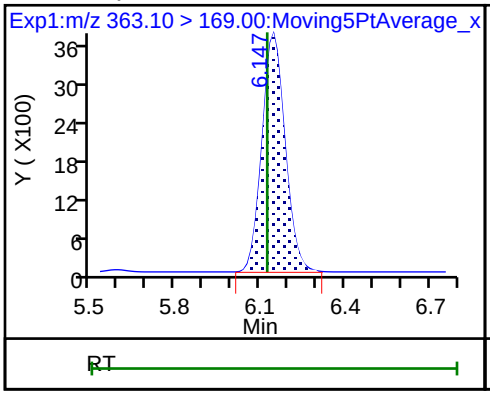
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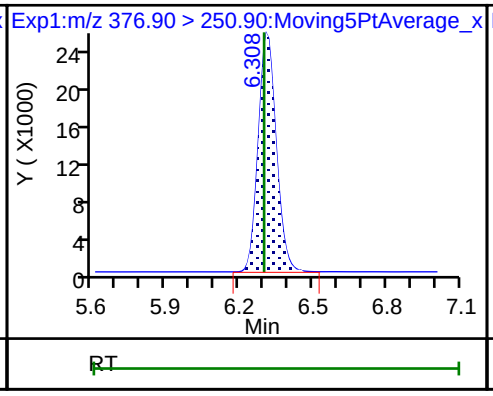
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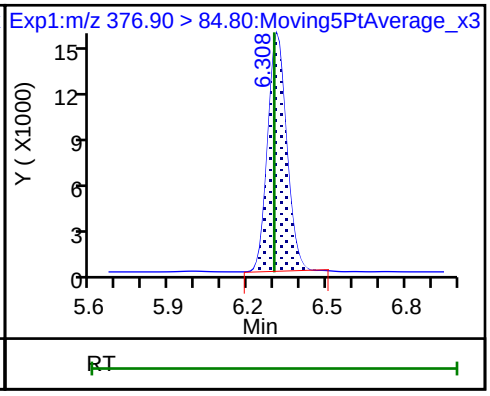
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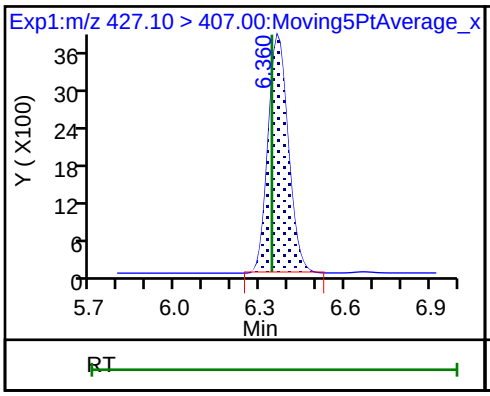
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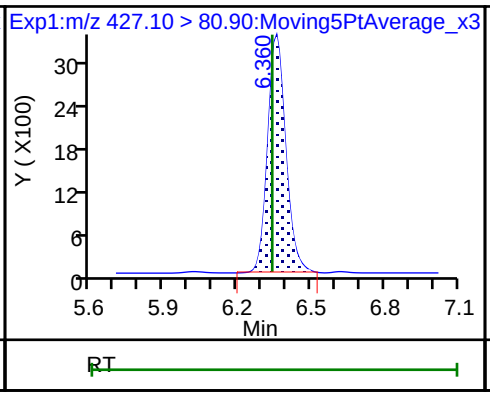
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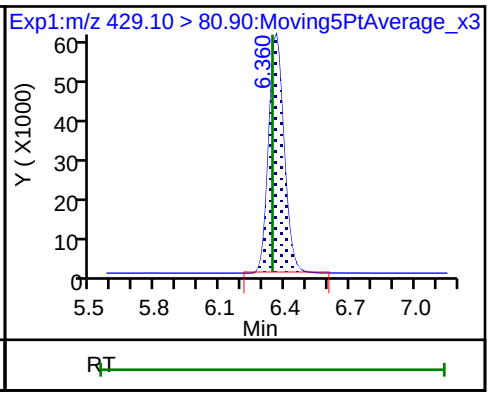
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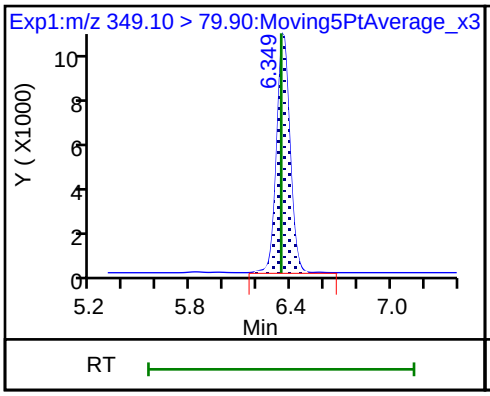
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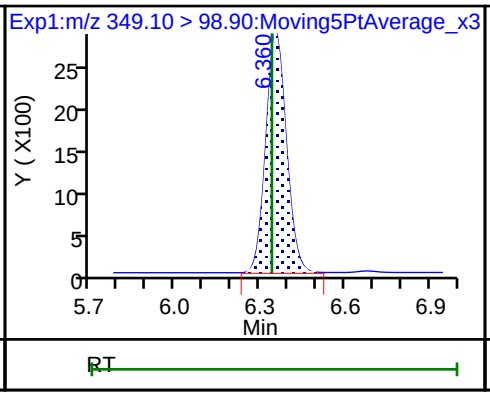
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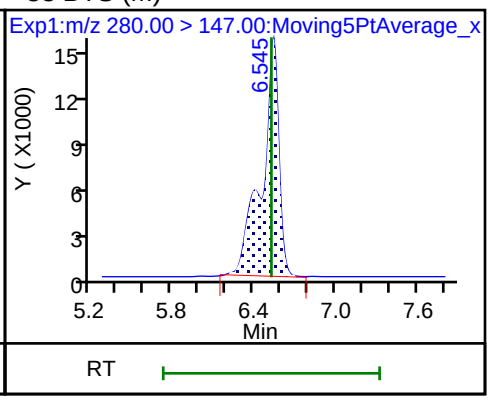
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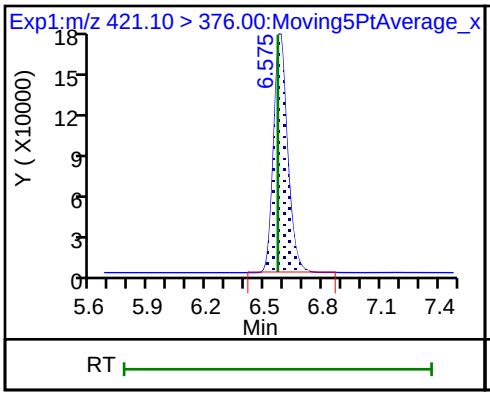
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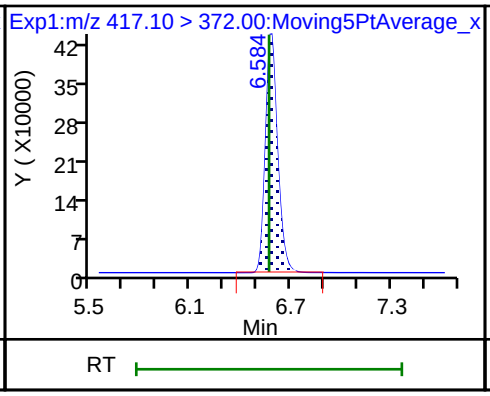
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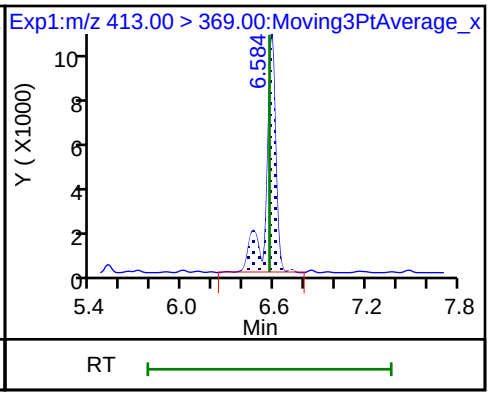
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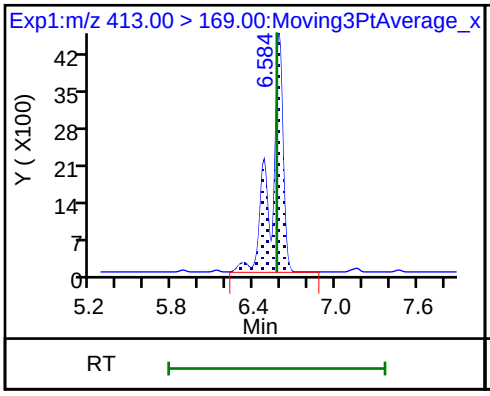
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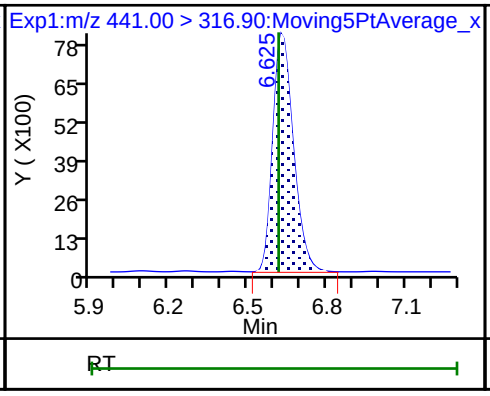
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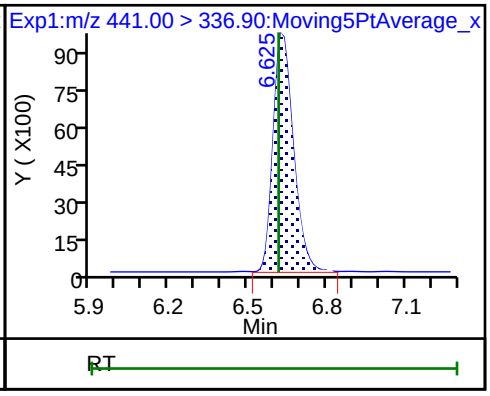
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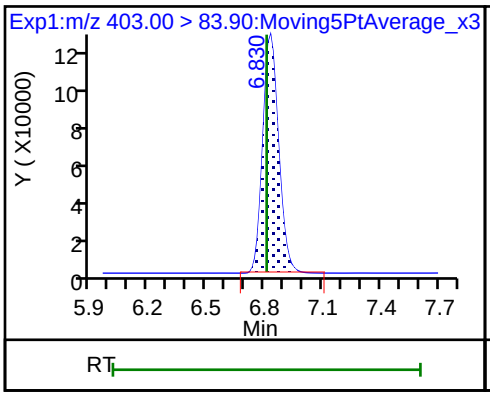
36 7:3 FTCA



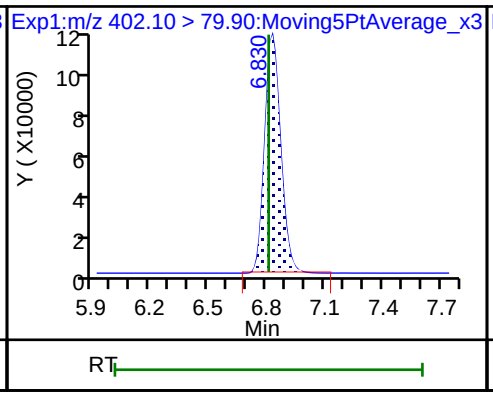
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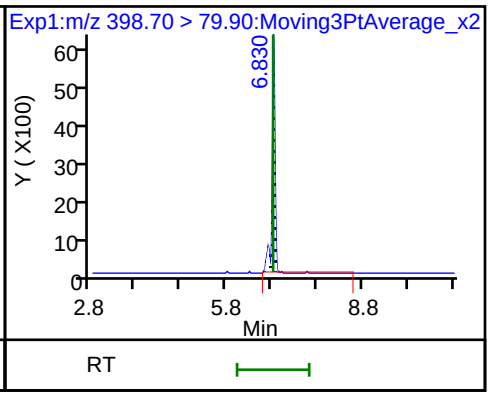
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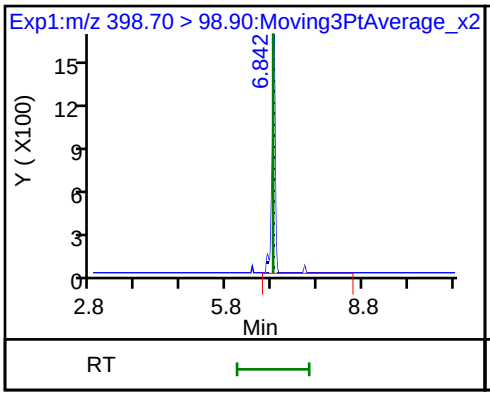
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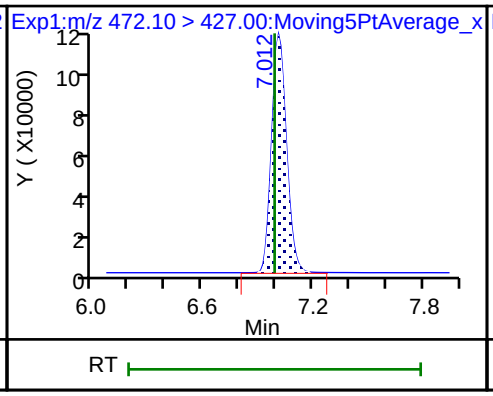
39 PFHxS



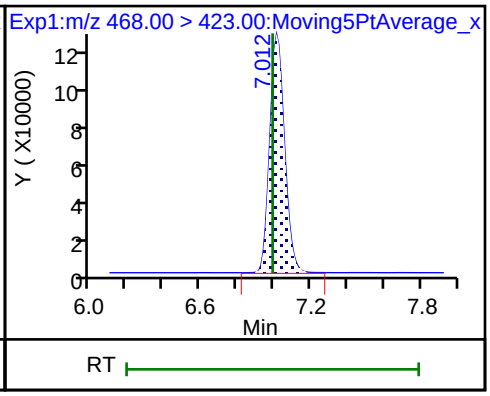
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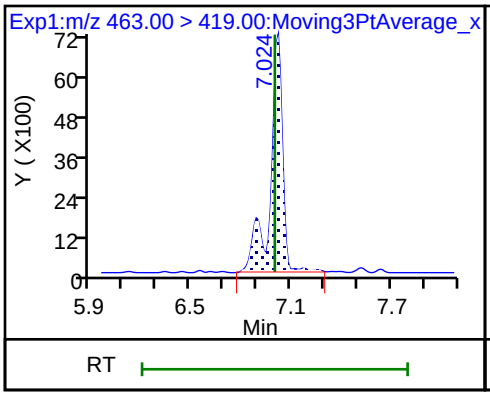
D 41 13C9 PFNA



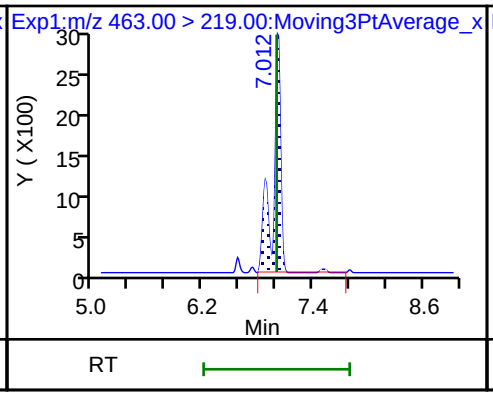
* 42 13C5 PFNA



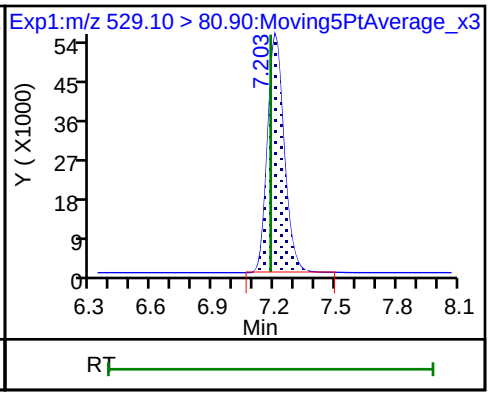
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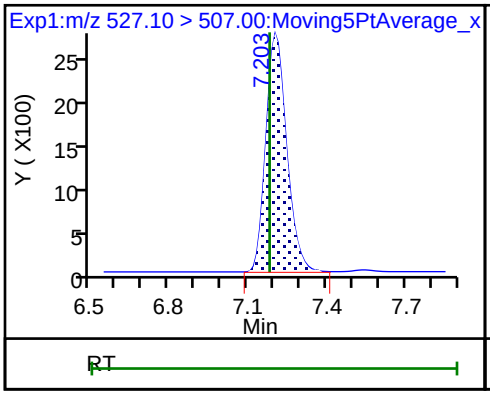
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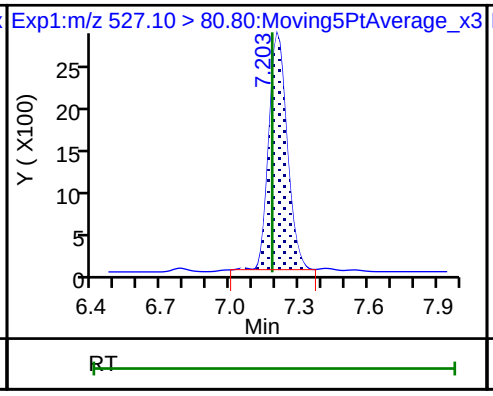
D 45 13C2-8:2FTS



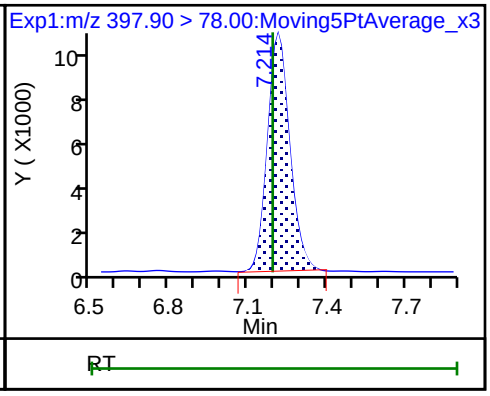
46 8:2FTS



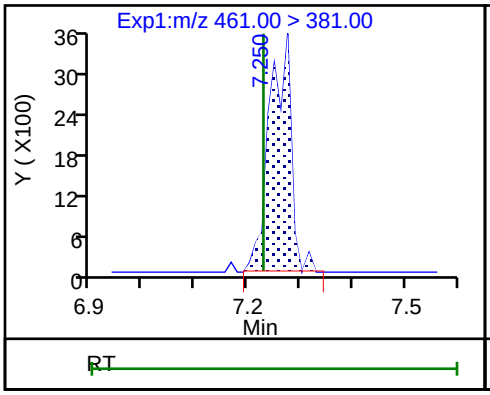
46 8:2FTS



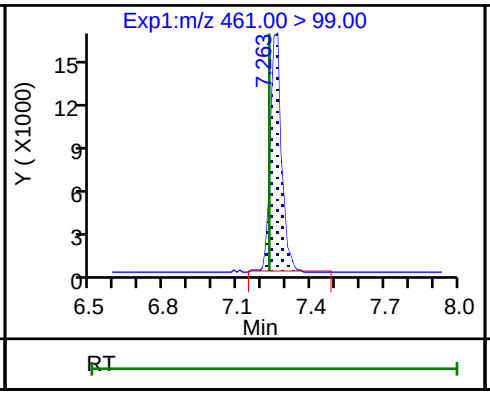
48 FHxSA



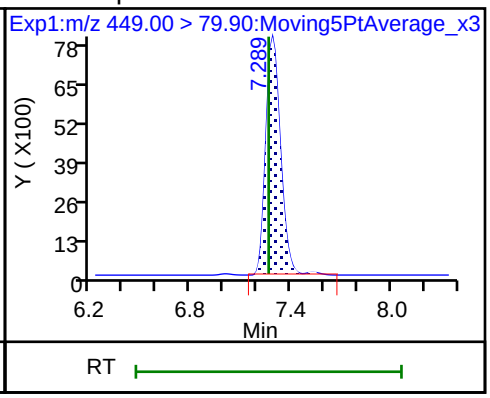
44 PFECHS



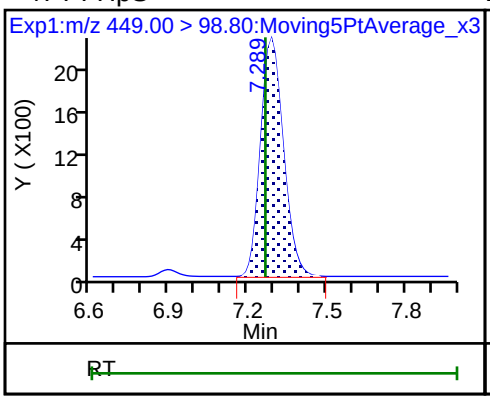
44 PFECHS



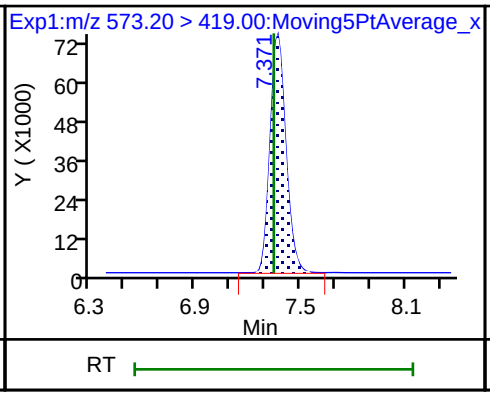
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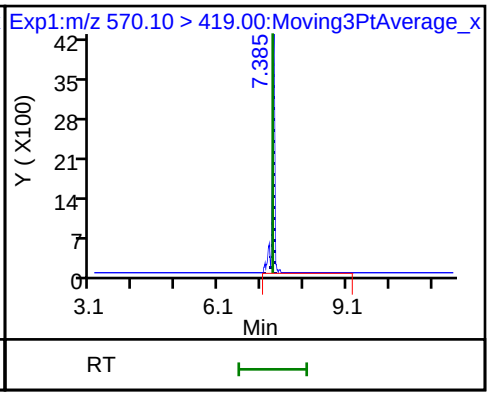
47 PFHpS



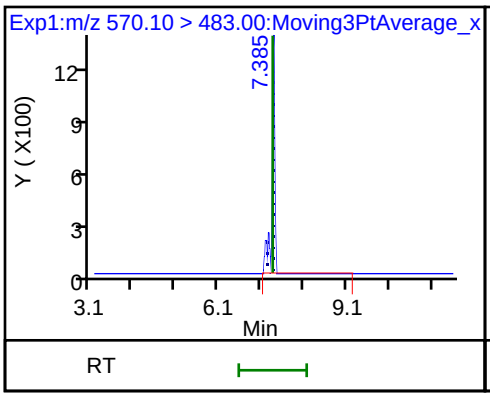
D 49 d3-NMeFOSAA



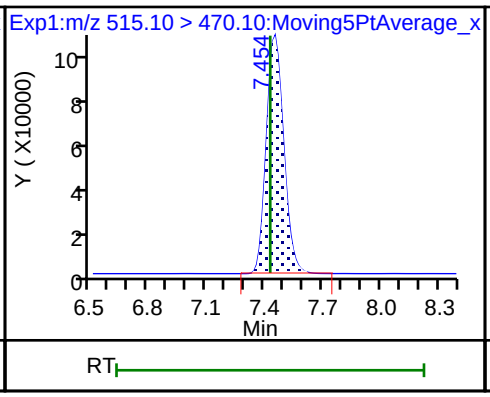
50 NMeFOSAA



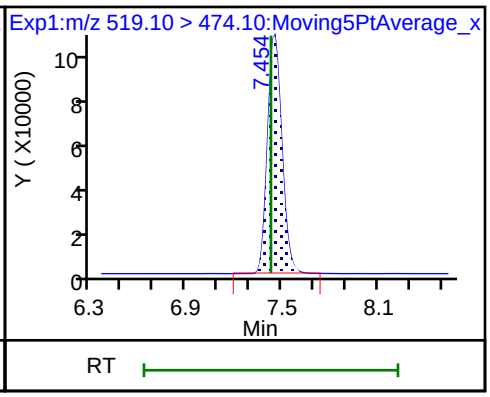
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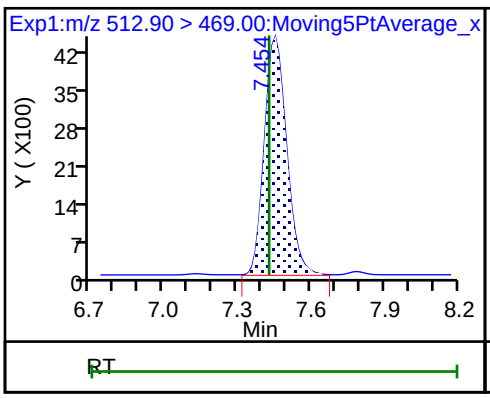
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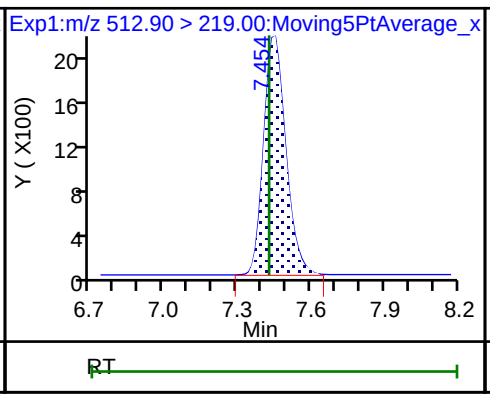
D 52 13C6 PFDA



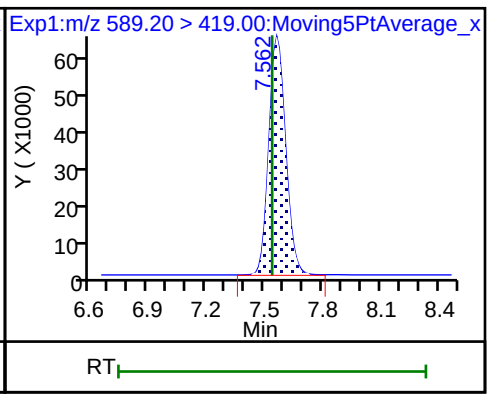
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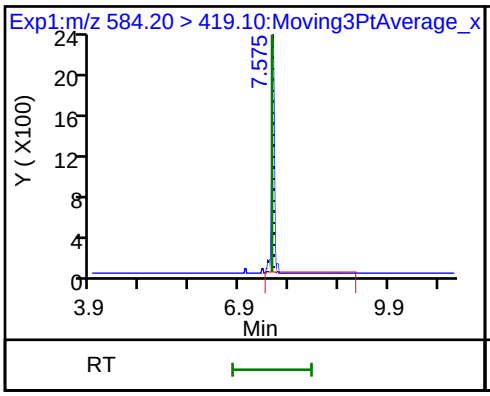
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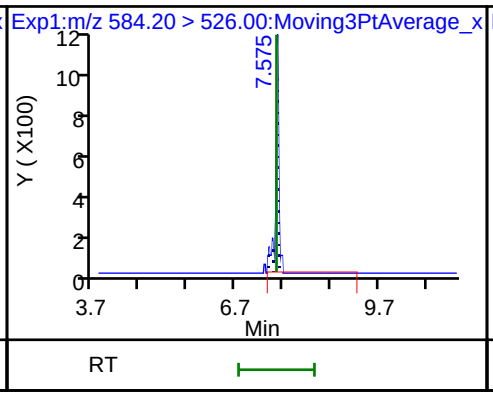
D 54 d5-NEtFOSAA



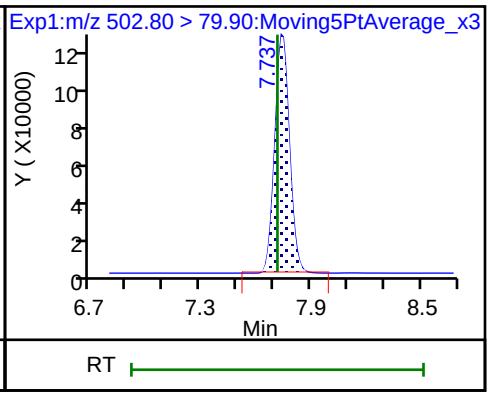
55 NEtFOSAA



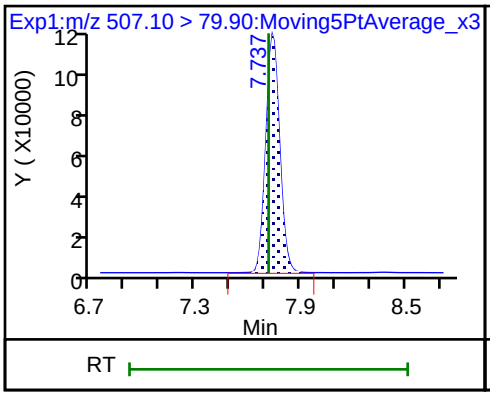
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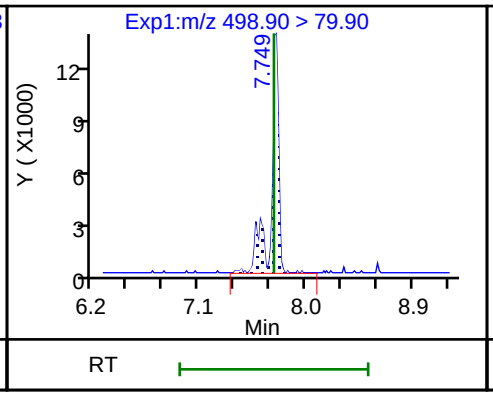
* 57 13C4 PFOS



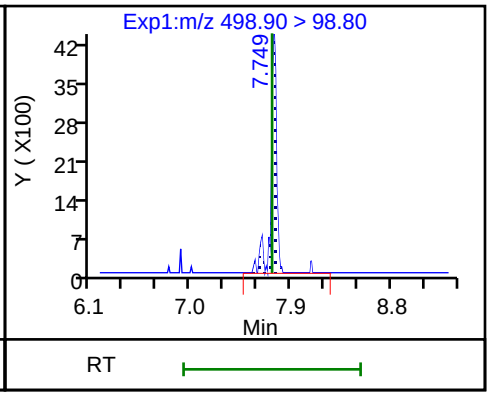
D 56 13C8 PFOS



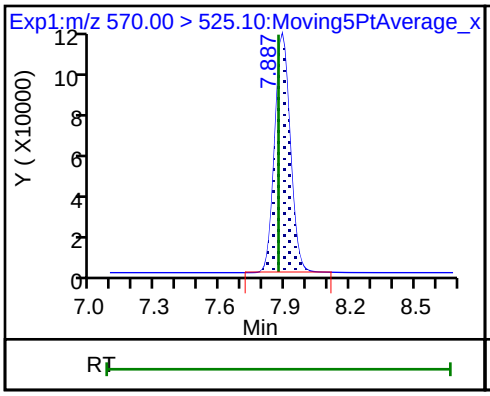
58 PFOS



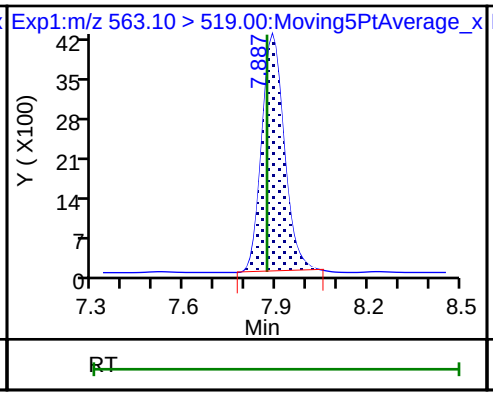
58 PFOS



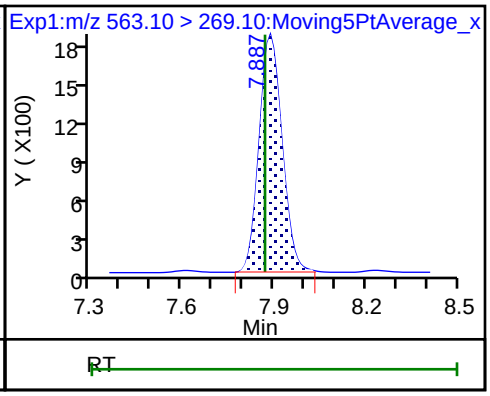
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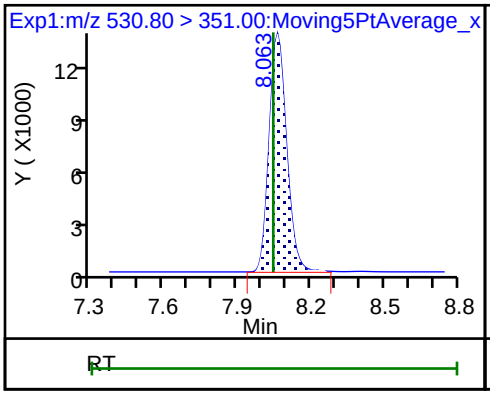
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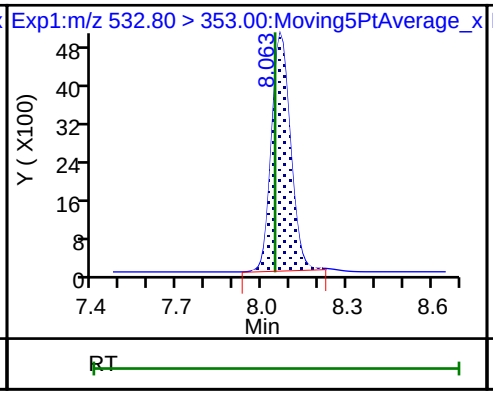
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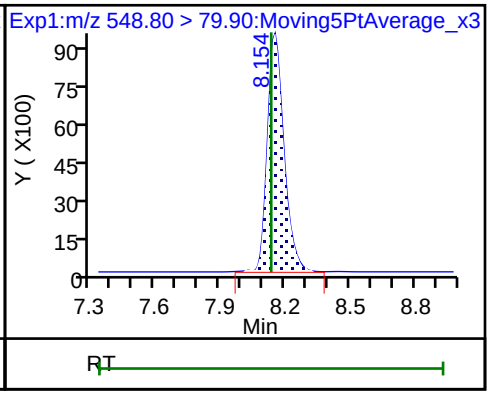
61 9ClFOS



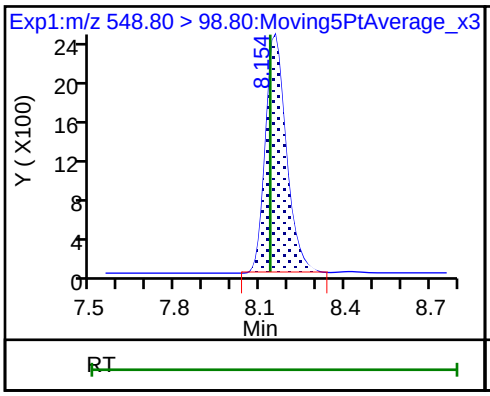
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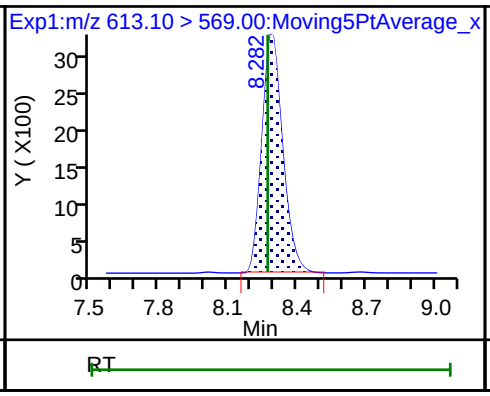
62 PFNS



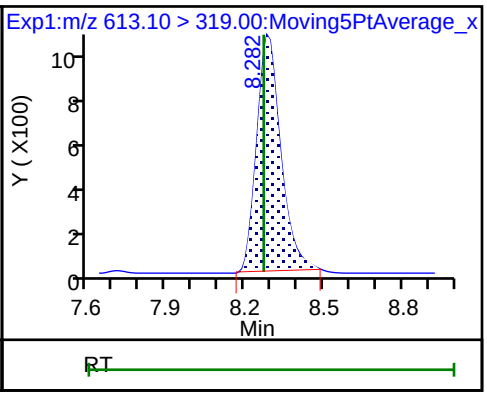
62 PFNS



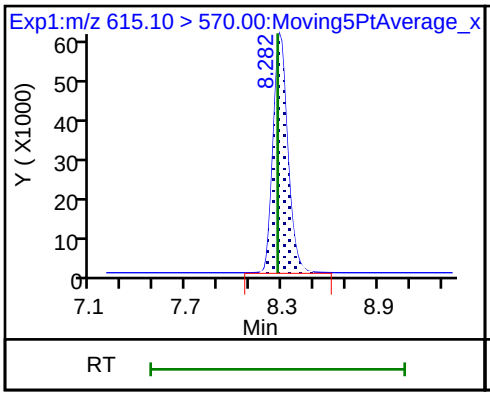
64 PFDoA



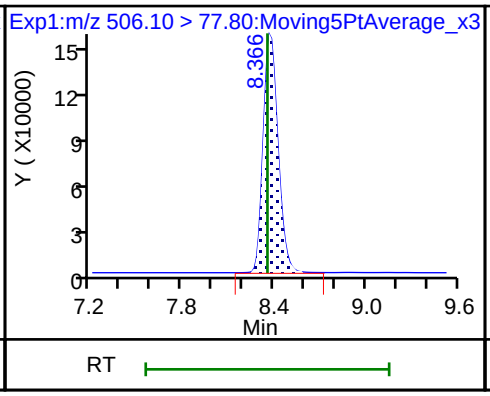
64 PFDoA



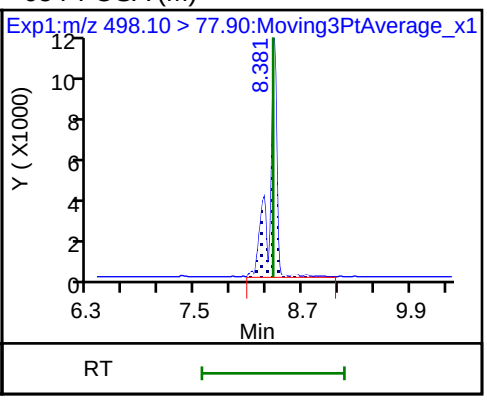
D 63 PFDoA



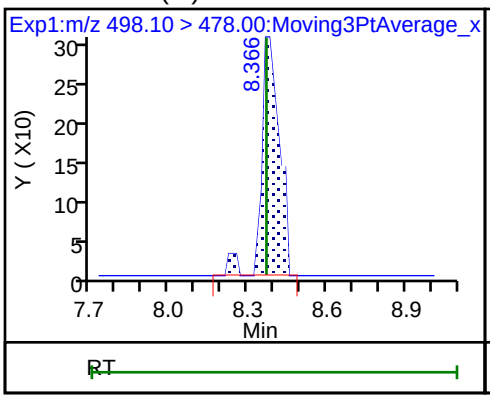
D 66 13C8 FOSA



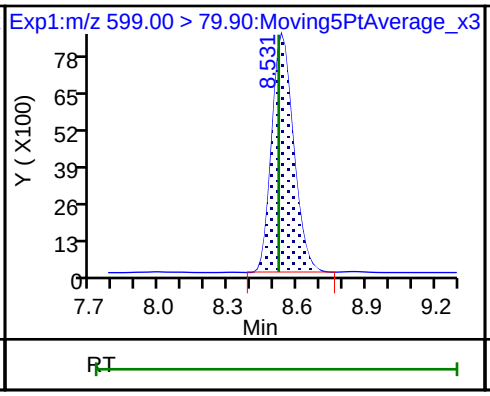
65 PFOSA (M)



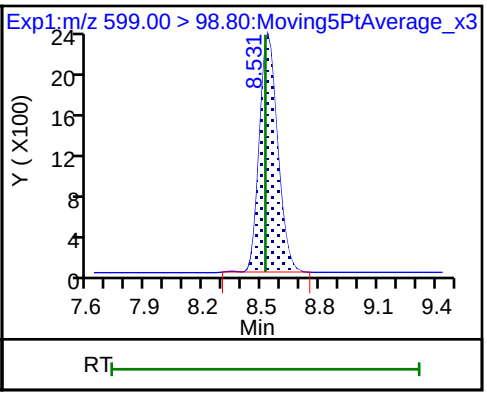
65 PFOSA (M)



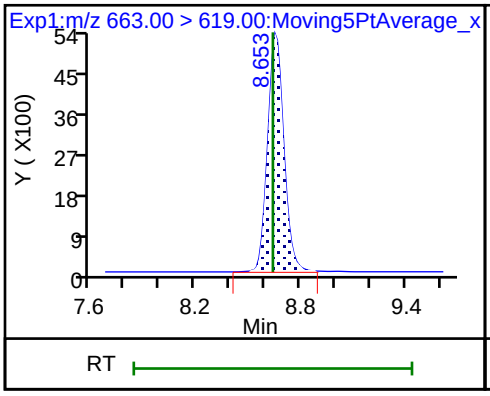
67 PFDS



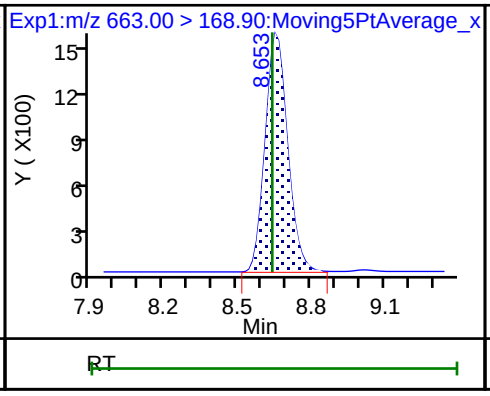
67 PFDS



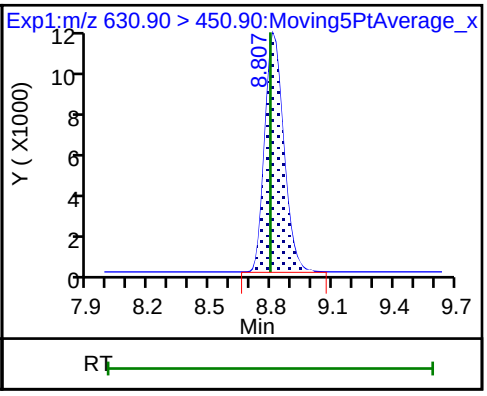
68 PFTrDA



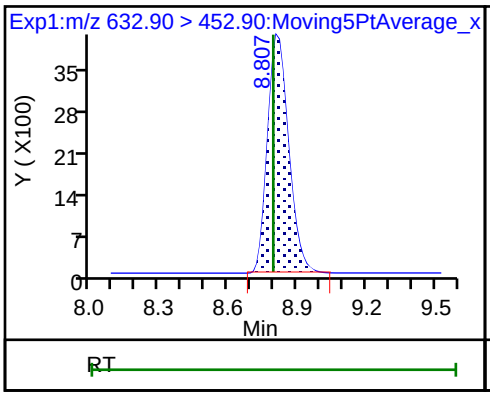
68 PFTrDA



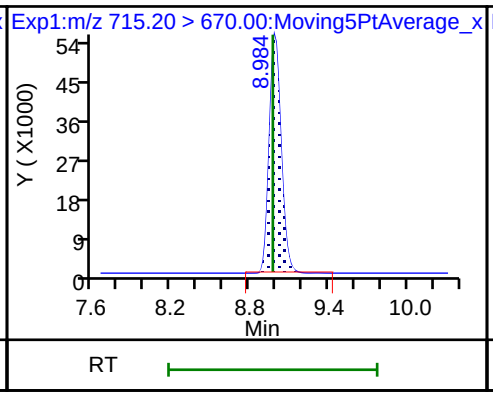
69 11ClFOS



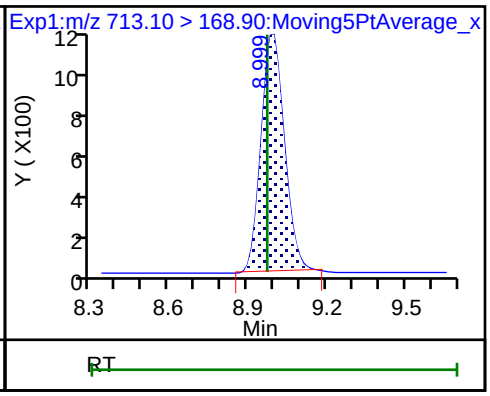
69 11ClFOS



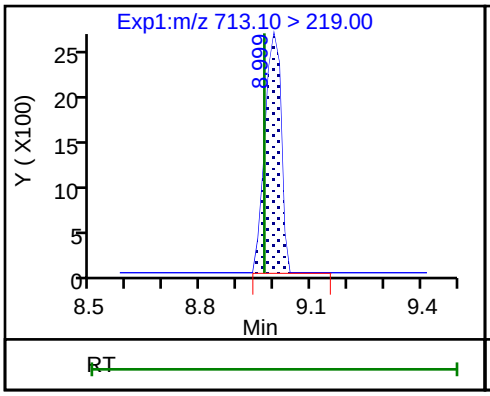
D 70 13C2 PFTeDA



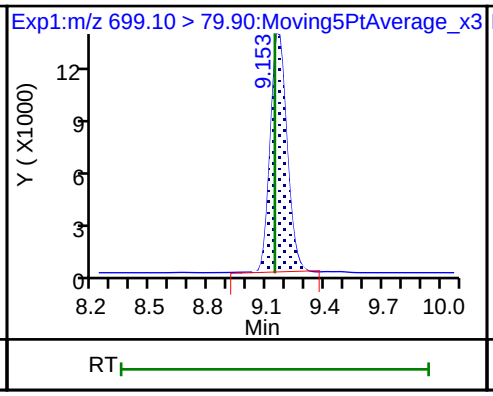
71 PFTeDA



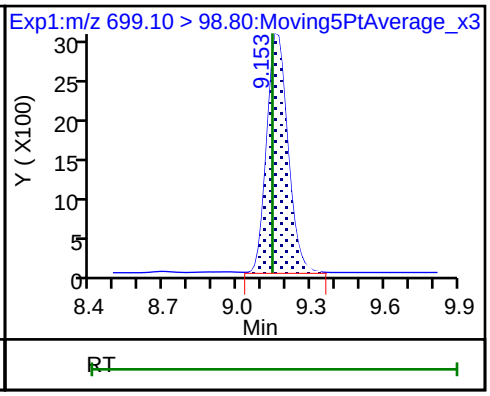
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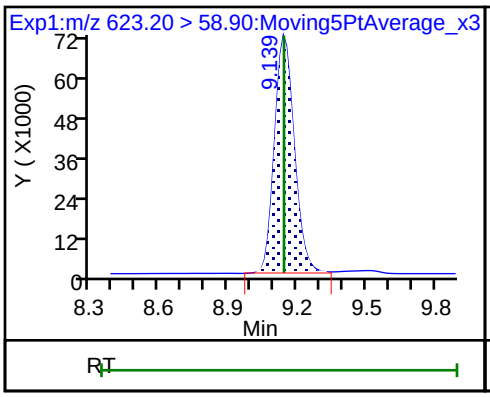
72 PFDoS



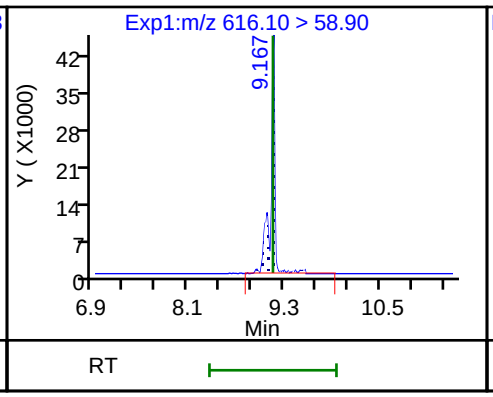
72 PFDoS



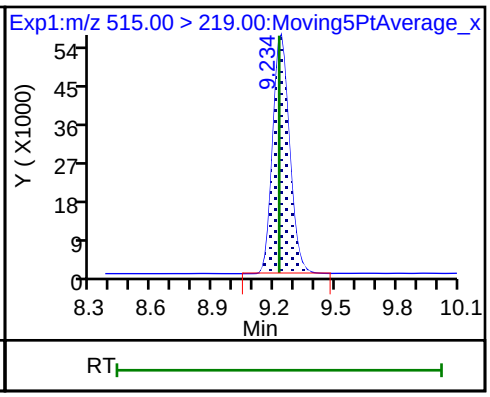
D 73 d7-N-Me-FOSE



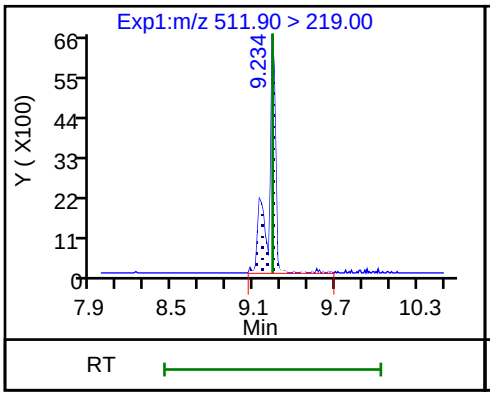
74 N-MeFOSE-M



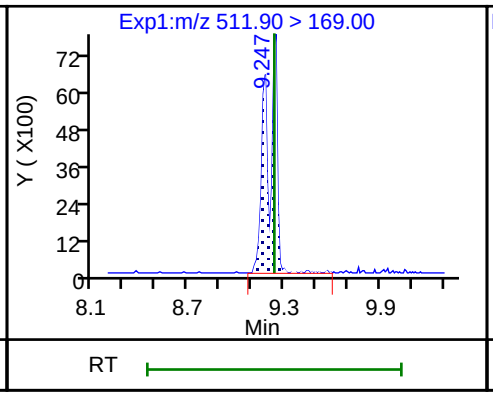
D 75 d3-NMePFOSA



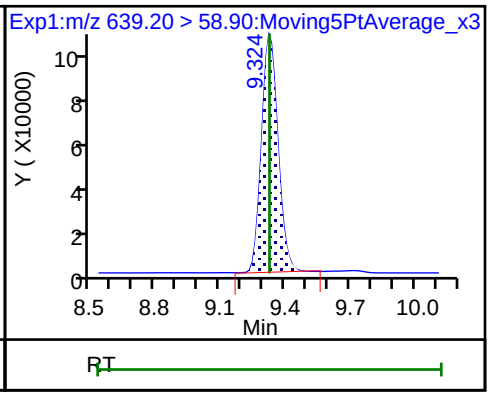
76 NMeFOSA



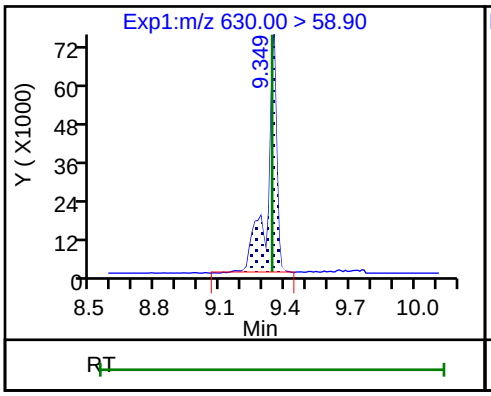
76 NMeFOSA



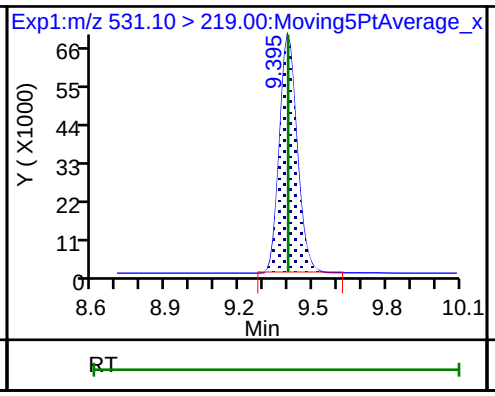
D 77 d9-N-EtFOSE



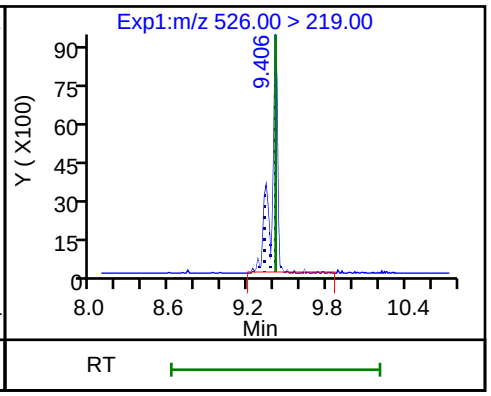
78 N-EtFOSE-M



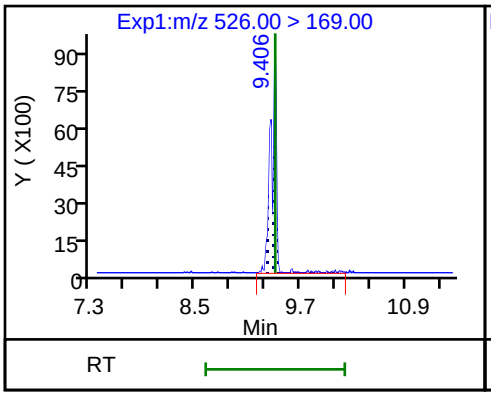
D 79 d5-NEtPFOSA



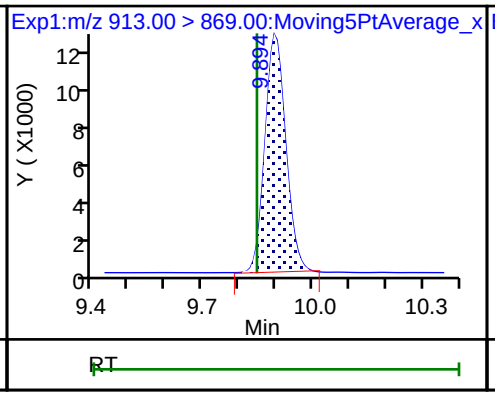
80 N-EtFOSA-M



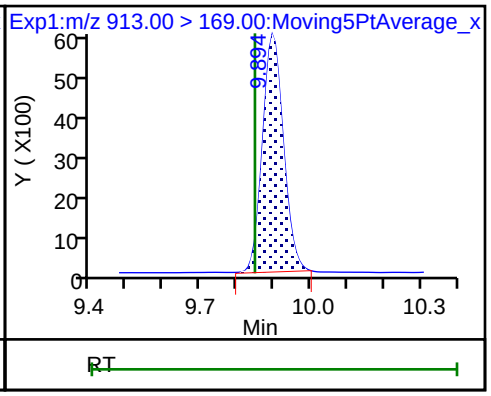
80 N-EtFOSA-M



81 Perfluorooctadecanoic acid



81 Perfluorooctadecanoic acid



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-03.d
Lims ID: IC CAL 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 03-Mar-2025 18:52:59 ALS Bottle#: 20004 Worklist Smp#: 3
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: IC CAL 3
Misc. Info.: Plate: 1 Rack: 1 410-0139703-003
Operator ID: ETUS023_USR_INS00054 Instrument ID: 30729
Sublist: chrom-30729_1633Final*sub1

Method: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\30729_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 06-Mar-2025 13:05:15 Calib Date: 03-Mar-2025 20:03:32
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-08.d

Column 1 : Det: EXP1
Process Host: CTX1635

First Level Reviewer: LDU5 Date: 04-Mar-2025 17:53:19
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
1 Perfluoropropionic acid										M
163.00 > 119.00	1.886	1.885	0.001	1.000	479800	2.39		95.7	2978	M
D 2 13C3PFPrA										
166.00 > 121.00	1.886	1.885	0.001	0.423	362808	1.91		95.5	158	
5 PFBA										
212.80 > 168.90	4.450	4.443	0.007	0.998	284350	0.9381		93.8	3608	
D 3 13C4-PFBA										
216.80 > 171.90	4.459	4.443	0.016	1.000	602985	2.01		100	15136	
* 4 13C3PFBA										
216.00 > 172.00	4.459	4.443	0.016		679869	2.00			150	
6 PFMPA										
229.00 > 84.90	4.786	4.776	0.010	0.931	201384	0.4674		93.5	9690	
7 3:3 FTCA										
241.00 > 177.00	4.786	4.787	-0.001	0.931	23756	0.9580	Target=1.09	95.8	1423	
241.00 > 117.00	4.798	4.787	0.011	0.933	20217		1.18(0.54-1.63)	95.8	1233	
D 9 13C5 PFPeA										
268.30 > 223.00	5.142	5.132	0.010	0.904	496042	2.01		100	27280	
10 PFPA										
263.00 > 219.00	5.153	5.143	0.010	1.002	190932	0.4719		94.4	7866	
11 PFMBA										
279.00 > 85.10	5.331	5.320	0.011	1.037	229615	0.4821		96.4	12998	
D 12 13C2-4:2FTS										
329.10 > 80.90	5.479	5.469	0.010	0.803	296463	5.18		110	10451	
13 4:2FTS										
327.10 > 307.00	5.479	5.469	0.010	1.000	80970	0.8674	Target=1.32	92.9	4761	
327.10 > 80.90	5.479	5.469	0.010	1.000	64545		1.25(0.66-1.98)	92.9	3606	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
15 NFDHA										
295.00 > 201.00	5.641	5.630	0.011	0.992	116476	0.4722	Target=1.24	94.4	6747	
295.00 > 84.90	5.641	5.630	0.011	0.992	86419		1.35(0.62-1.86)	94.4	4983	
D 16 13C5 PFHxA										
318.00 > 273.00	5.688	5.677	0.011	1.000	840466	2.09		104	47960	
* 17 13C2 PFHxA										
315.10 > 270.00	5.688	5.677	0.011		1730863	5.00			98478	
18 PFHxA										
313.00 > 269.00	5.688	5.677	0.011	1.000	182907	0.4675	Target=10.40	93.5	7859	
313.00 > 118.90	5.688	5.677	0.011	1.000	17773		10.29(5.20-15.60)	93.5	1055	
20 5:3 FTCA										
341.00 > 237.10	5.764	5.751	0.013	1.013	169625	2.26	Target=0.91	90.3	9174	
341.00 > 217.00	5.764	5.751	0.013	1.013	186858		0.91(0.45-1.36)	90.3	10370	
14 FBSA										
297.90 > 78.00	5.792	5.764	0.028	0.995	205688	0.4628		92.6	371	
21 PFBS										
298.70 > 79.90	5.833	5.820	0.013	1.002	128465	0.4218	Target=2.88	95.0	5710	
298.70 > 98.80	5.820	5.820	0.0	1.000	47203		2.72(1.44-4.33)	95.0	2088	
D 19 13C3 PFBS										
302.10 > 79.90	5.820	5.820	0.0	0.853	830447	1.95		105	36492	
22 HFPO-DA										
284.90 > 168.90	5.889	5.875	0.014	1.000	154919	0.3838	Target=2.44	102	6089	
284.90 > 184.90	5.889	5.875	0.014	1.000	57081		2.71(1.22-3.65)	102	2933	
D 23 13C3 HFPO-DA										
286.90 > 168.90	5.889	5.875	0.014	1.035	751467	1.91		95.6	39042	
25 PFEESA										
314.80 > 134.90	6.084	6.071	0.013	1.070	509597	0.4033	Target=11.17	90.4	24415	
314.80 > 82.90	6.084	6.071	0.013	1.070	45002		11.32(5.59-16.75)	90.4	2180	
D 27 13C4 PFHpA										
367.10 > 322.00	6.137	6.124	0.013	1.079	805493	2.08		104	46057	
28 PFHpA										
363.10 > 319.00	6.137	6.124	0.013	1.000	167774	0.4441	Target=2.26	88.8	9582	
363.10 > 169.00	6.137	6.124	0.013	1.000	77103		2.18(1.13-3.39)	88.8	4371	
29 ADONA										
376.90 > 250.90	6.310	6.299	0.011	1.072	457036	0.4756	Target=1.59	101	8858	
376.90 > 84.80	6.310	6.299	0.011	1.072	277024		1.65(0.79-2.38)	101	17753	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.351	6.341	0.010	0.931	290714	5.14		108	19401	
30 PFPeS										
349.10 > 79.90	6.351	6.341	0.010	0.931	196637	0.4773	Target=3.47	102	11569	
349.10 > 98.90	6.351	6.341	0.010	0.931	56889		3.46(1.73-5.20)	102	3305	
32 6:2FTS										
427.10 > 407.00	6.351	6.341	0.010	1.000	66147	0.9013	Target=1.07	95.1	4415	
427.10 > 80.90	6.351	6.341	0.010	1.000	61813		1.07(0.53-1.60)	95.1	4096	
33 BTS										M
280.00 > 147.00	6.538	6.528	0.010	0.958	470806	0.4626		94.5	13482	M
D 34 13C8 PFOA										
421.10 > 376.00	6.577	6.568	0.009	1.000	833005	2.01		100	56069	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 40 13C4 PFOA										
417.10 > 372.00	6.577	6.568	0.009		2154753	5.00			86761	
35 PFOA										
413.00 > 369.00	6.577	6.568	0.009	1.000	150235	0.4826	Target=1.66	96.5	467	
413.00 > 169.00	6.577	6.568	0.009	1.000	92446		1.63(0.83-2.49)	96.5	417	
36 7:3 FTCA										
441.00 > 316.90	6.628	6.616	0.012	1.165	168736	2.24	Target=0.90	89.4	10494	
441.00 > 336.90	6.628	6.616	0.012	1.165	186527		0.90(0.45-1.34)	89.4	11528	
* 38 18O2 PFHxS										
403.00 > 83.90	6.821	6.810	0.011		654833	1.89			37318	
D 37 13C3 PFHxS										
402.10 > 79.90	6.821	6.810	0.011	1.000	655431	1.93		102	37602	
39 PFHxS										
398.70 > 79.90	6.834	6.821	0.013	1.002	108948	0.4687	Target=3.28	103	833	
398.70 > 98.90	6.834	6.821	0.013	1.002	32337		3.37(1.64-4.92)	103	6971	
D 41 13C9 PFNA										
472.10 > 427.00	7.003	6.990	0.013	1.000	683600	2.00		99.8	40295	
* 42 13C5 PFNA										
468.00 > 423.00	7.003	6.990	0.013		698445	2.00			30810	
43 PFNA										
463.00 > 419.00	7.015	7.002	0.013	1.002	143657	0.4834	Target=2.26	96.7	1035	
463.00 > 219.00	7.015	7.002	0.013	1.002	66929		2.15(1.13-3.38)	96.7	572	
D 45 13C2-8:2FTS										
529.10 > 80.90	7.194	7.182	0.012	1.055	301743	4.97		104	17646	
46 8:2FTS										
527.10 > 507.00	7.194	7.182	0.012	1.000	44600	0.9497	Target=0.73	99.1	2609	
527.10 > 80.80	7.194	7.182	0.012	1.000	67297		0.66(0.36-1.09)	99.1	3955	
48 FHxSA										
397.90 > 78.00	7.217	7.193	0.024	1.058	237792	0.4884		97.7	12858	
44 PFECHS										a
461.00 > 381.00	7.241	7.229	0.012	1.062	42476	0.4436	Target=0.24	96.0	62.3	a
461.00 > 99.00	7.253	7.229	0.024	1.063	201825		0.21(0.12-0.35)	96.0	184	
47 PFHpS										
449.00 > 79.90	7.278	7.265	0.013	0.942	207870	0.5159	Target=3.81	108	11238	
449.00 > 98.80	7.278	7.265	0.013	0.942	56101		3.71(1.91-5.72)	108	3134	
D 49 d3-NMeFOSAA										
573.20 > 419.00	7.360	7.346	0.014	0.952	429062	4.85		97.1	22887	
50 NMeFOSAA										
570.10 > 419.00	7.374	7.360	0.014	1.002	46064	0.4507	Target=2.23	90.1	248	
570.10 > 483.00	7.374	7.360	0.014	1.002	24146		1.91(1.12-3.35)	90.1	5893	
* 51 13C2 PFDA										
515.10 > 470.10	7.443	7.428	0.015		666005	2.00			35617	
D 52 13C6 PFDA										
519.10 > 474.10	7.443	7.428	0.015	1.000	672272	1.96		98.2	35800	
53 PFDA										
512.90 > 469.00	7.443	7.428	0.015	1.000	124421	0.5100	Target=2.91	102	6624	
512.90 > 219.00	7.443	7.428	0.015	1.000	31528		3.95(1.46-4.37)	102	1659	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.552	7.538	0.014	0.977	385569	4.98		99.6	20697	
55 NEtFOSAA										
584.20 > 419.10	7.565	7.551	0.014	1.002	32332	0.4802	Target=1.98	96.0	111	
584.20 > 526.00	7.565	7.551	0.014	1.002	15666		2.06(0.99-2.97)	96.0	91.8	
* 57 13C4 PFOS										
502.80 > 79.90	7.729	7.717	0.013		654792	1.91			38744	
D 56 13C8 PFOS										
507.10 > 79.90	7.729	7.717	0.013	1.000	591262	1.89		98.7	14981	
58 PFOS										
498.90 > 79.90	7.740	7.729	0.011	1.001	216594	0.4621	Target=4.40	99.4	495	
498.90 > 98.80	7.740	7.729	0.011	1.001	47921		4.52(2.20-6.59)	99.4	127	
D 59 13C7 PFUnA										
570.00 > 525.10	7.880	7.869	0.011	1.059	532197	1.96		97.9	34890	
60 PFUnA										
563.10 > 519.00	7.880	7.869	0.011	1.000	63738	0.4460	Target=2.30	89.2	4235	
563.10 > 269.10	7.880	7.869	0.011	1.000	27919		2.28(1.15-3.45)	89.2	1806	
61 9ClFOS										
530.80 > 351.00	8.055	8.045	0.010	1.368	246331	0.4534	Target=3.09	97.1	16697	
532.80 > 353.00	8.055	8.045	0.010	1.368	77110		3.19(1.54-4.63)	97.1	5258	
62 PFNS										
548.80 > 79.90	8.145	8.135	0.010	1.054	172932	0.4517	Target=3.74	93.9	11112	
548.80 > 98.80	8.145	8.135	0.010	1.054	47090		3.67(1.87-5.61)	93.9	3040	
64 PFDoA										
613.10 > 569.00	8.284	8.271	0.013		74248	0.5061	Target=2.66	101	3955	
613.10 > 319.00	8.284	8.271	0.013		25910		2.87(1.33-4.00)	101	1378	
D 63 PFDoA										
615.10 > 570.00	8.284	8.271	0.013	1.113	373203	1.88		93.9	19652	
D 66 13C8 FOSA										
506.10 > 77.80	8.369	8.354	0.015	1.083	1037606	1.99		99.7	31189	
65 PFOSA										M
498.10 > 77.90	8.385	8.369	0.016	1.002	229242	0.4817	Target=73.16	96.3	883	
498.10 > 478.00	8.385	8.369	0.016	1.002	3394		67.54(36.58-109.75)	96.3	7.0	M
67 PFDS										
599.00 > 79.90	8.519	8.519	0.0	1.102	183128	0.4396	Target=4.05	91.2	9195	
599.00 > 98.80	8.519	8.519	0.0	1.102	43933		4.17(2.03-6.08)	91.2	2199	
68 PFTrDA										
663.00 > 619.00	8.656	8.641	0.015	0.963	119105	0.4862	Target=3.35	97.2	6130	
663.00 > 168.90	8.656	8.641	0.015	0.963	36733		3.24(1.67-5.02)	97.2	1908	
69 11ClFOS										
630.90 > 450.90	8.809	8.795	0.014	1.496	251570	0.4478	Target=2.94	94.9	13016	
632.90 > 452.90	8.809	8.795	0.014	1.496	90607		2.78(1.47-4.42)	94.9	4733	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.987	8.972	0.015	1.207	346153	1.95		97.5	18306	
71 PFTeDA										
713.10 > 168.90	8.987	8.972	0.015	1.000	29060	0.5001	Target=1.12	100	1544	
713.10 > 219.00	8.987	8.972	0.015	1.000	26710		1.09(0.56-1.68)	100	91.3	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
72 PFDoS										
699.10 > 79.90	9.156	9.142	0.014	1.185	290154	0.4732	Target=4.47	97.6	16368	
699.10 > 98.80	9.156	9.142	0.014	1.185	70030		4.14(2.24-6.71)	97.6	3957	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.142	9.142	0.0	1.183	423714	4.86		97.1	7098	
74 N-MeFOSE-M										
616.10 > 58.90	9.156	9.156	0.0	1.002	547172	2.44		97.6	1453	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.236	9.224	0.012	1.195	317331	1.97		98.4	11115	
76 NMeFOSA										
511.90 > 219.00	9.236	9.237	-0.001	1.000	79838	0.4704	Target=0.69	94.1	632	
511.90 > 169.00	9.250	9.237	0.013	1.001	117273		0.68(0.34-1.03)	94.1	579	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.326	9.327	-0.001	1.207	528985	4.97		99.5	7650	
78 N-EtFOSE-M										
630.00 > 58.90	9.351	9.339	0.012	1.003	775256	2.35		93.8	2654	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.398	9.398	0.0	1.216	353659	1.97		98.7	23644	
80 N-EtFOSA-M										
526.00 > 219.00	9.409	9.409	0.0	1.001	95962	0.4509	Target=0.78	90.2	599	
526.00 > 169.00	9.409	9.409	0.0	1.001	130045		0.74(0.39-1.16)	90.2	34370	
81 Perfluorooctadecanoic acid										
913.00 > 869.00	9.887	9.847	0.040	1.100	169199	0.4630	Target=2.08	92.6	10694	
913.00 > 169.00	9.887	9.847	0.040	1.100	81185		2.08(1.04-3.12)	92.6	5112	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

1633_125_CAL3_00019 Amount Added: 1.00 Units: mL

Report Date: 06-Mar-2025 13:05:16 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-03.d

Injection Date: 03-Mar-2025 18:52:59 Instrument ID: 30729

Lims ID: IC CAL 3

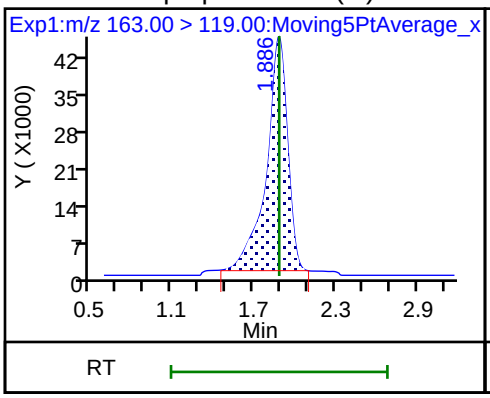
Client ID:

Operator ID: ETUS023_USR_INS00054 ALS Bottle#: 20004 Worklist Smp#: 3

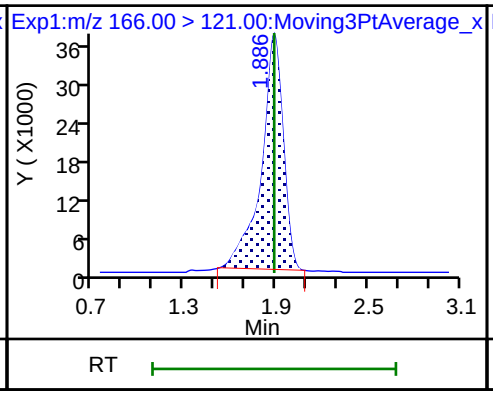
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 30729_1633Final Limit Group: LC - 1633 LVI- ICAL

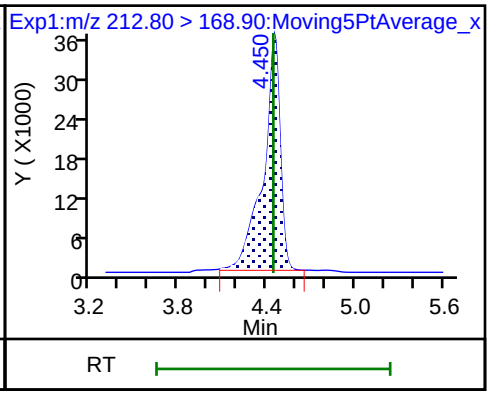
1 Perfluoropropionic acid (M)



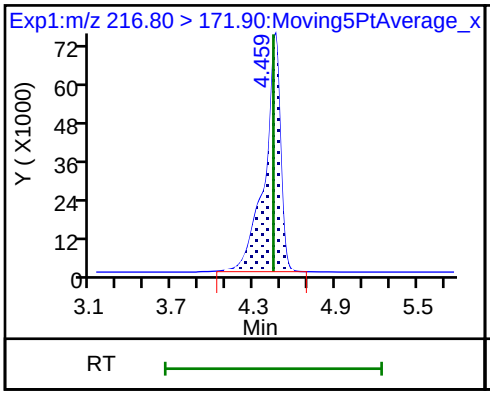
D 2 13C3PFPrA



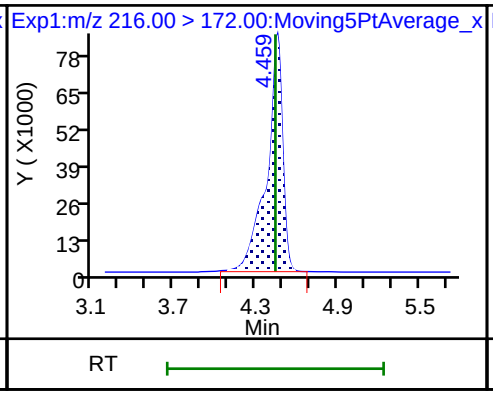
5 PFBA



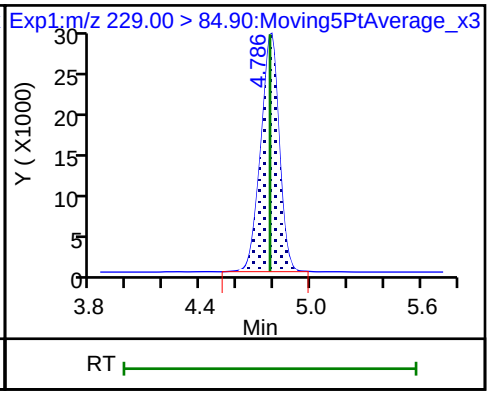
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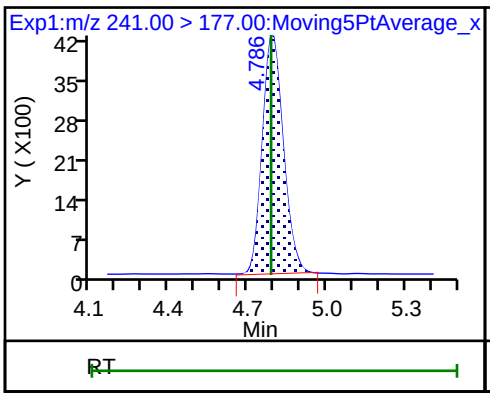
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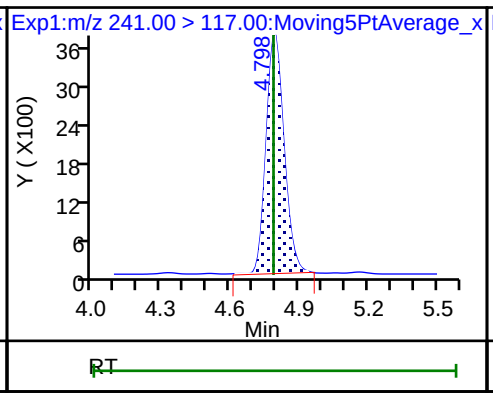
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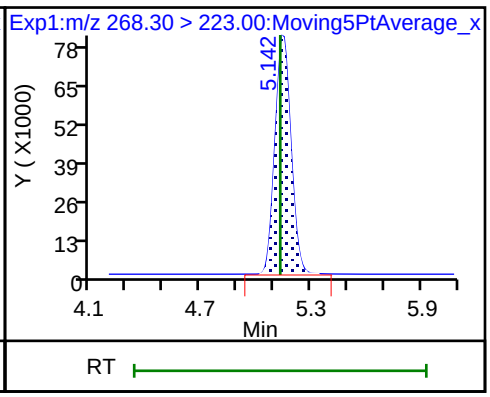
7 3:3 FTCA



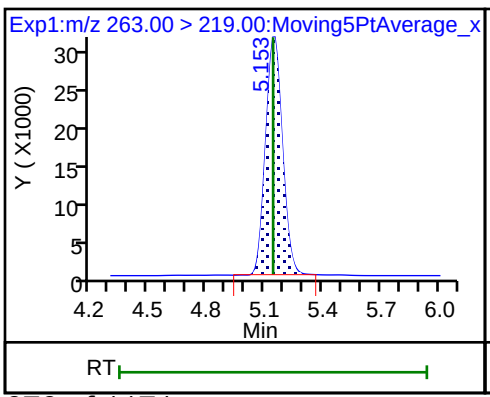
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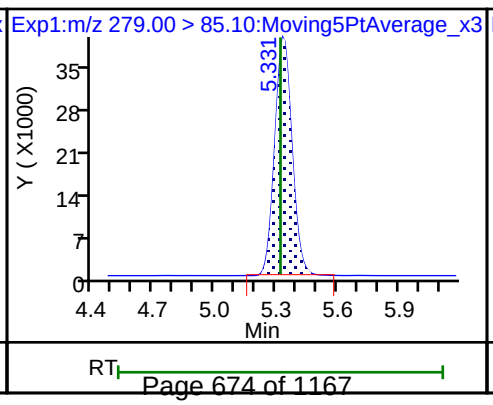
D 9 13C5 PFPeA



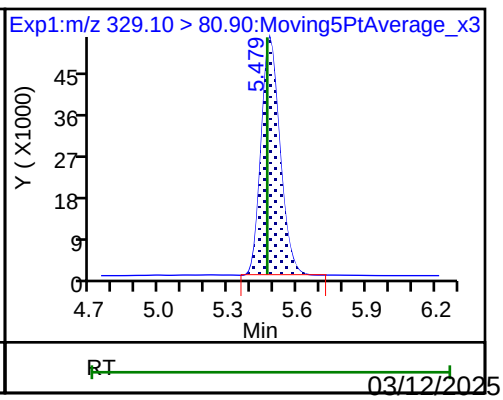
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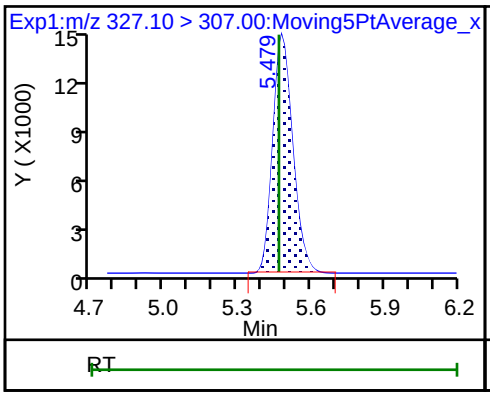
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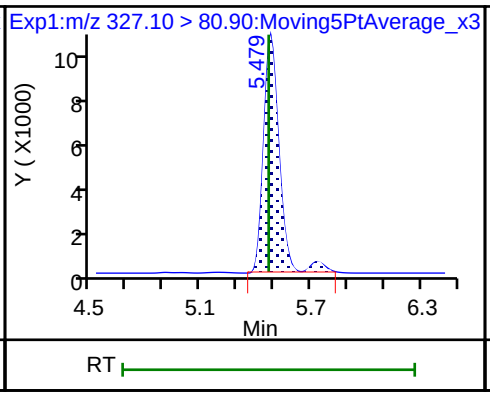
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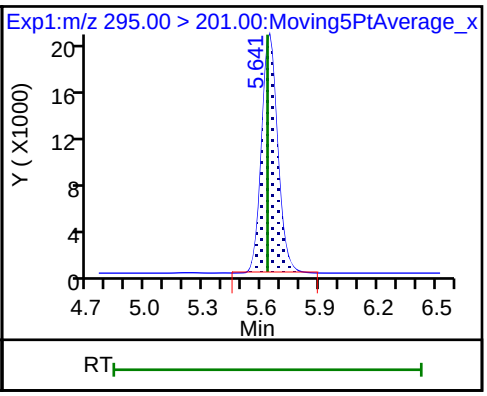
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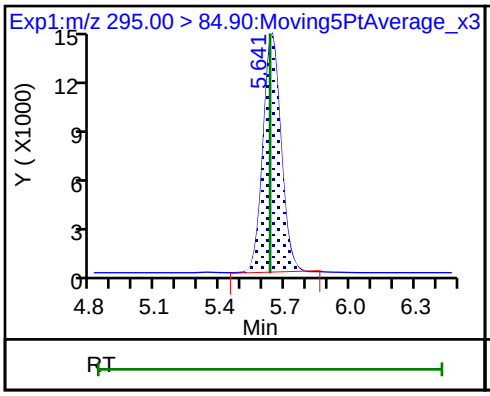
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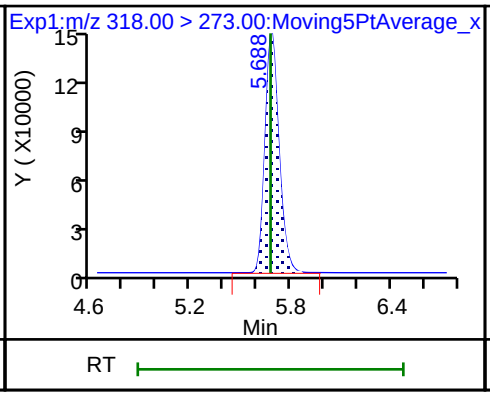
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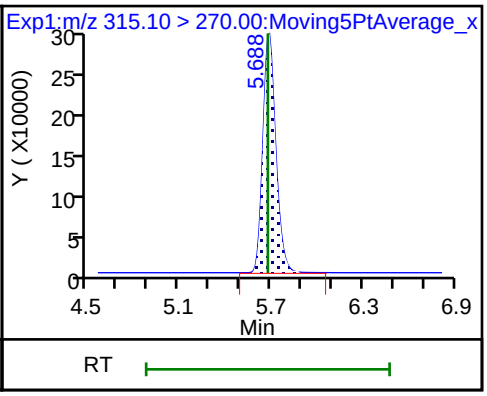
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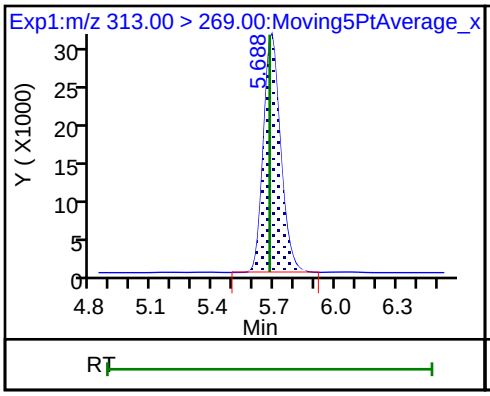
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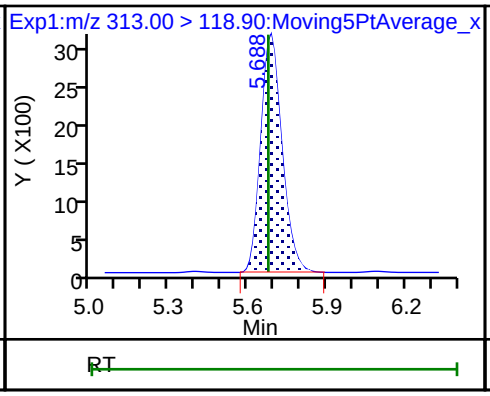
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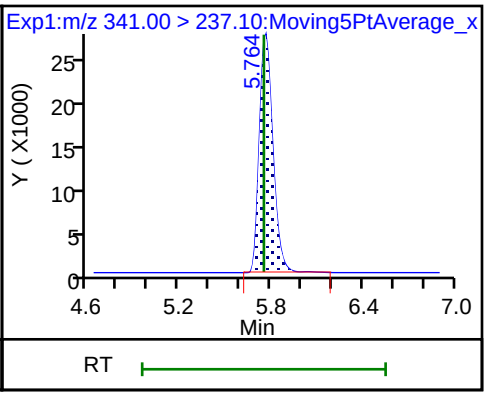
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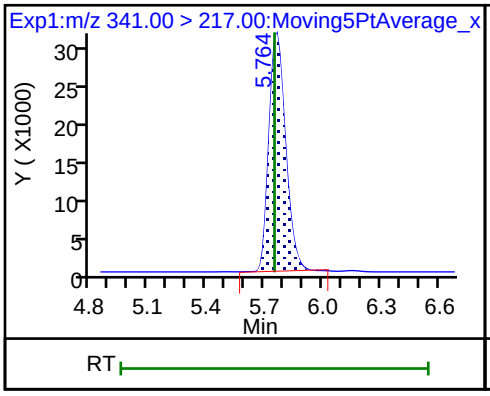
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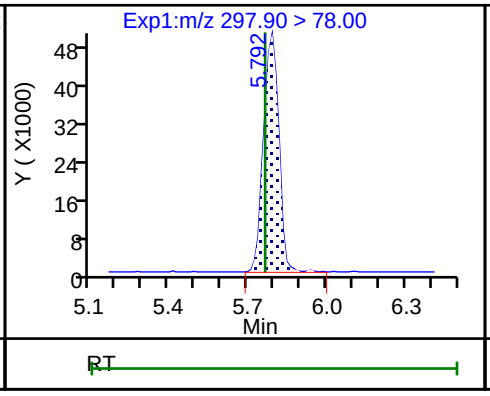
20 5:3 FTCA



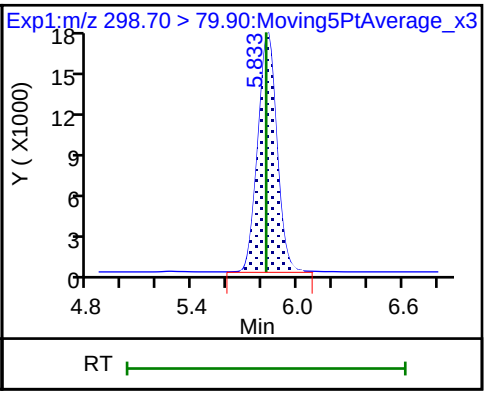
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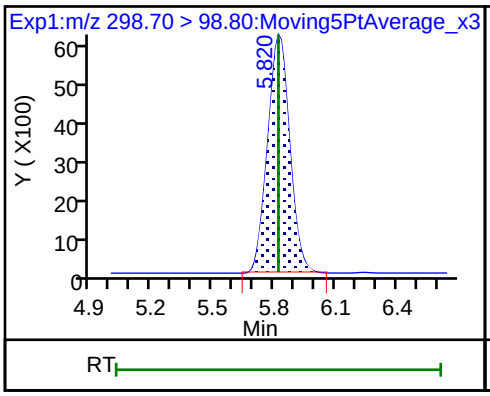
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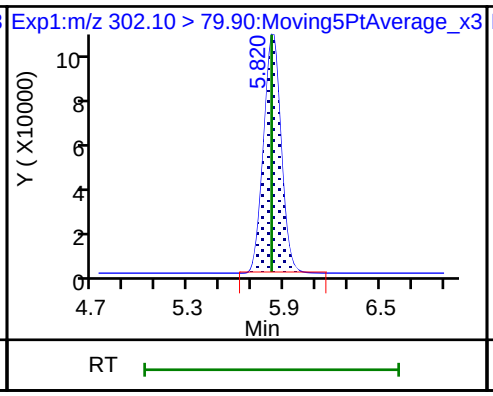
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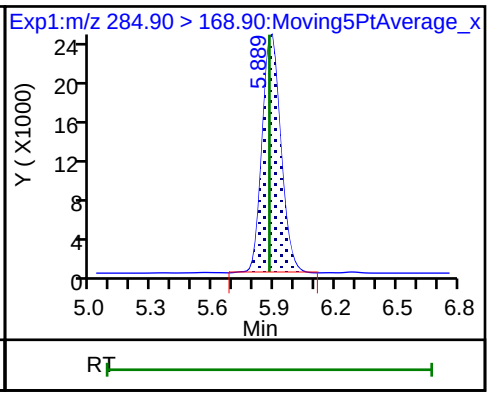
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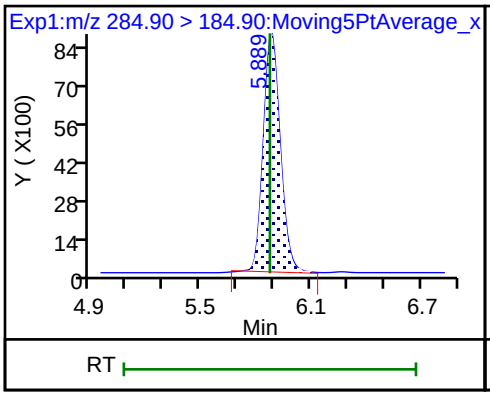
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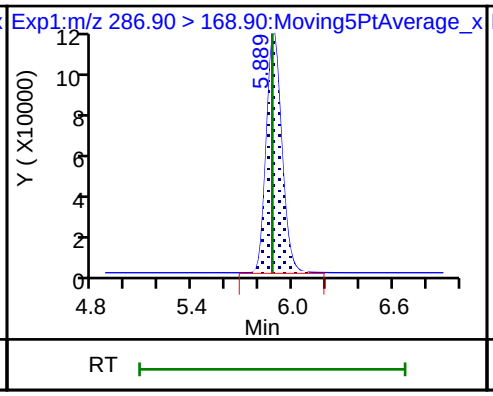
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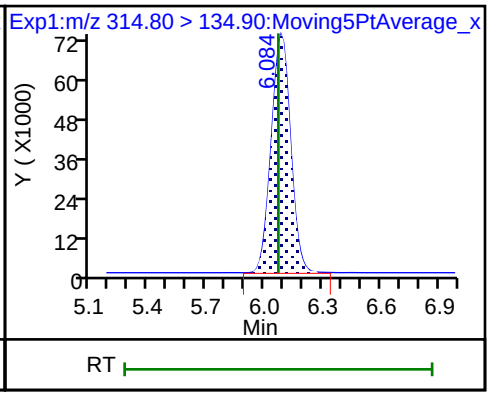
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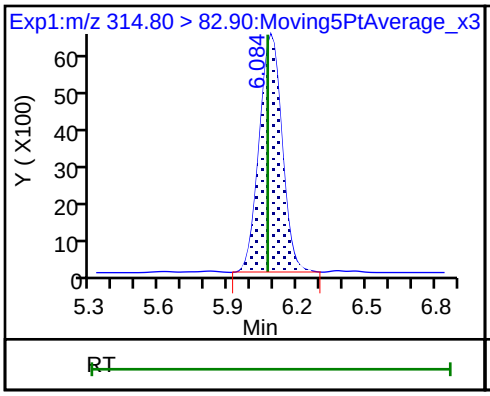
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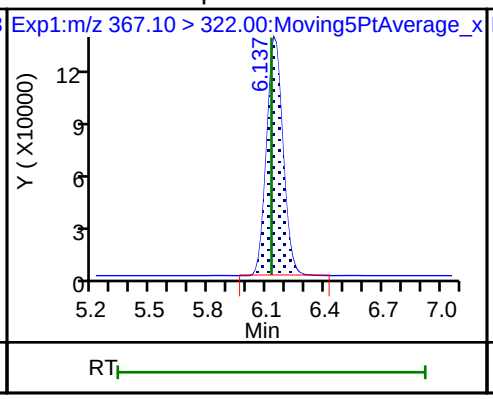
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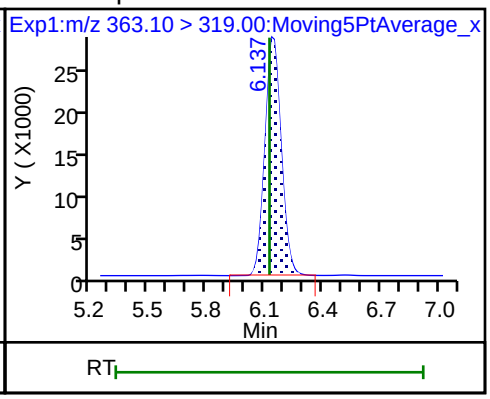
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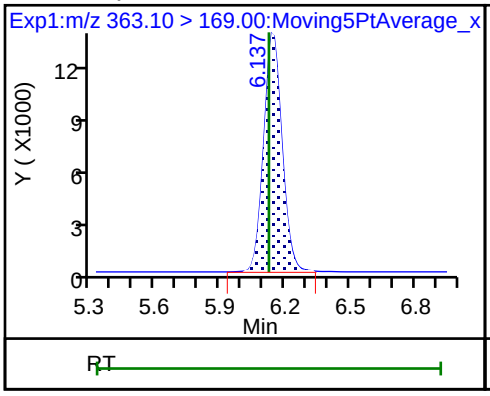
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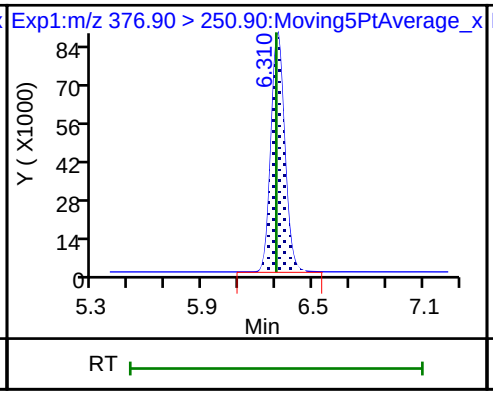
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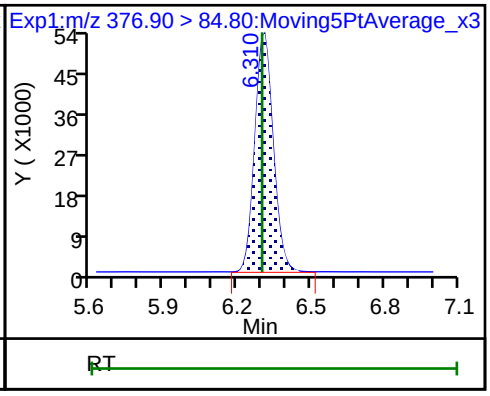
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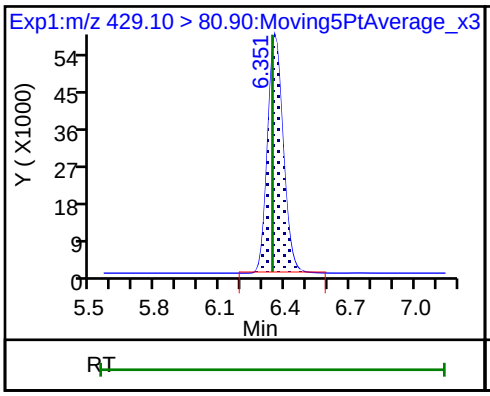
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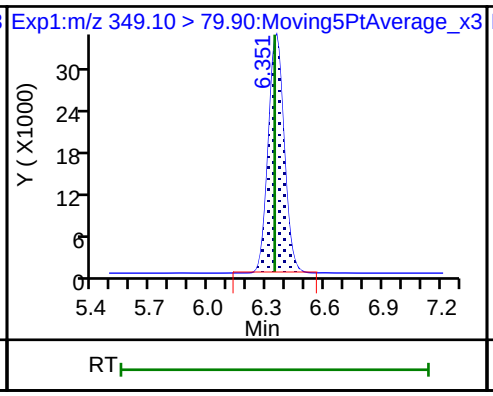
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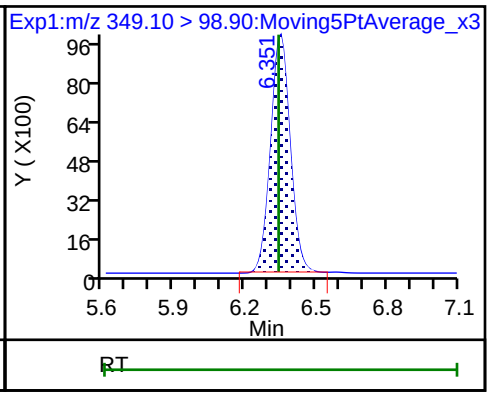
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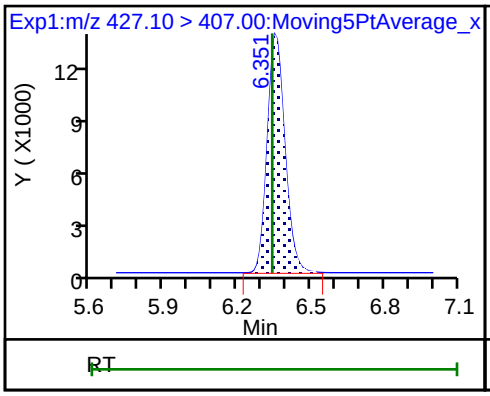
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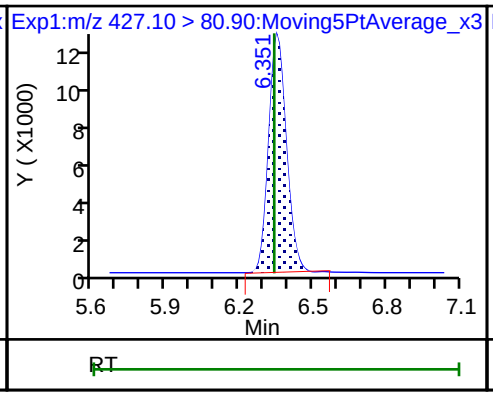
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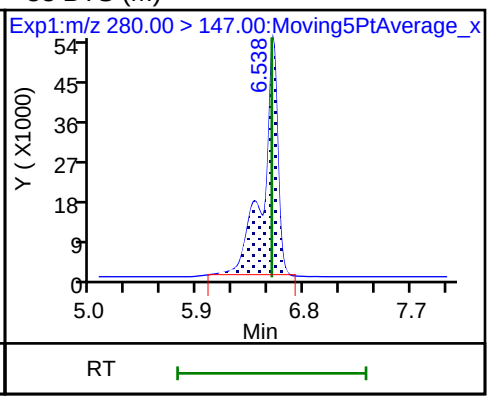
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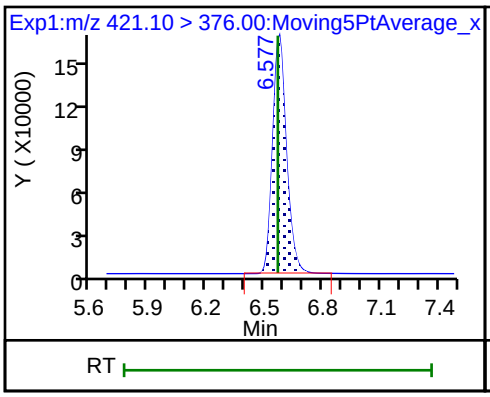
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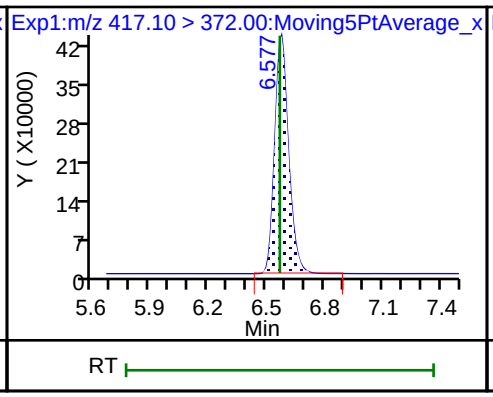
33 BTS (M)



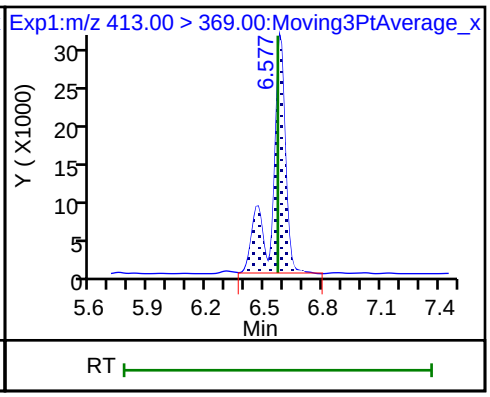
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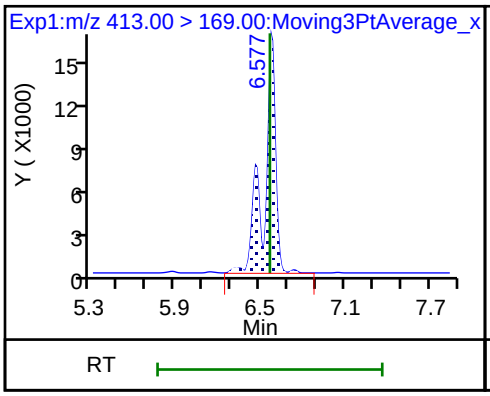
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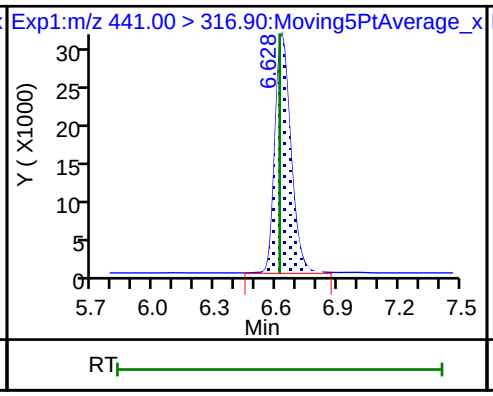
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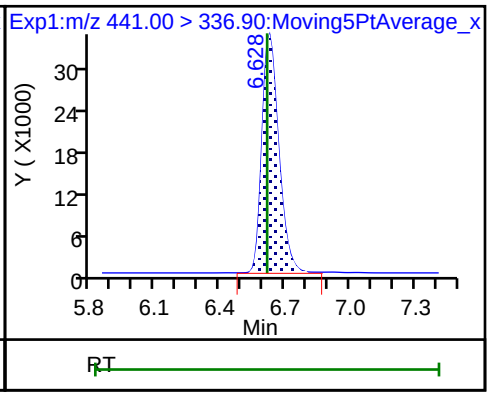
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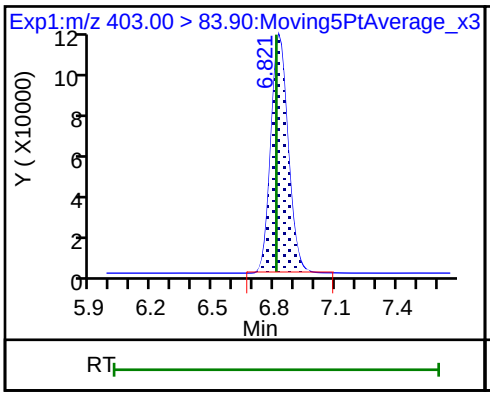
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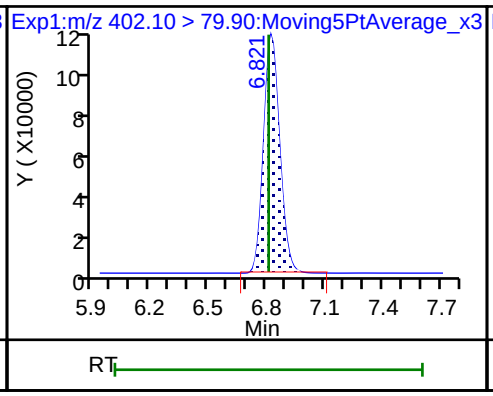
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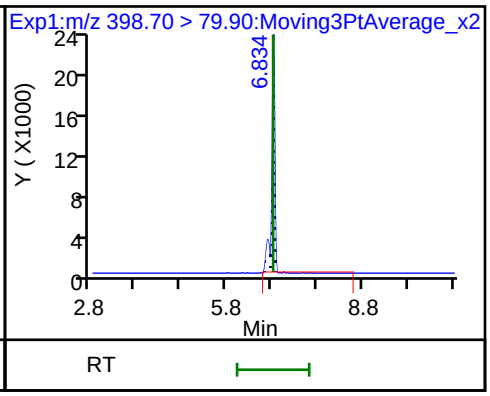
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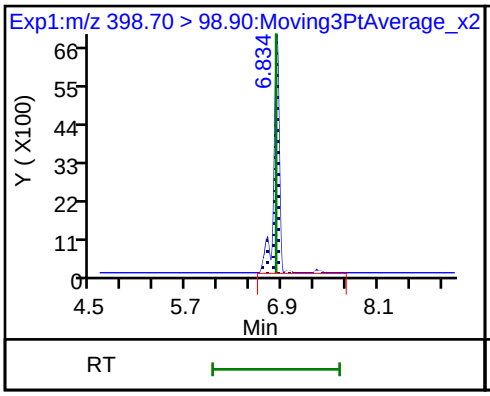
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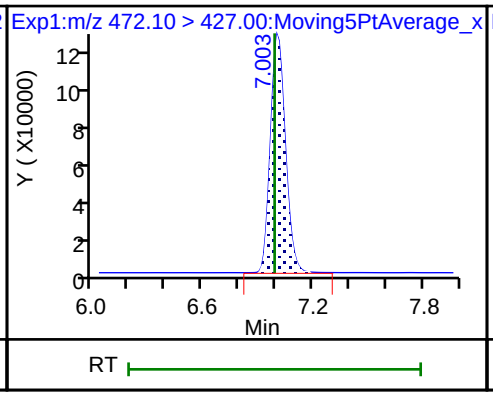
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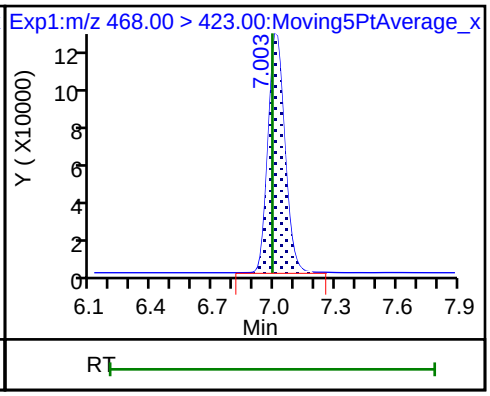
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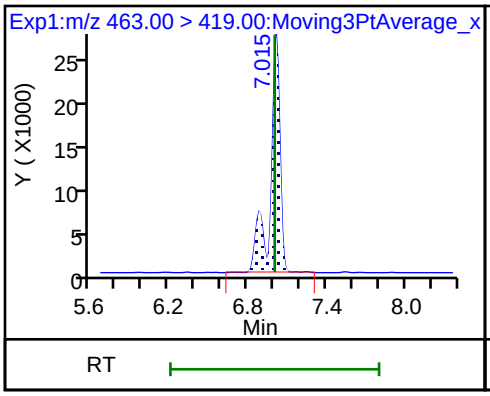
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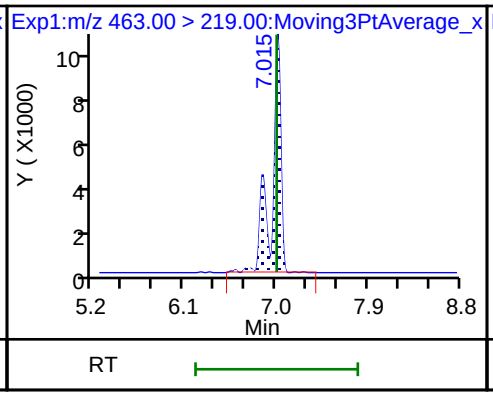
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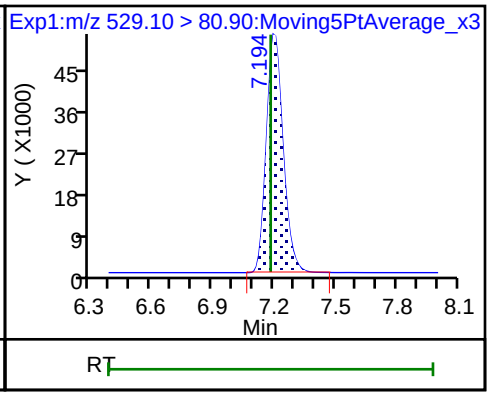
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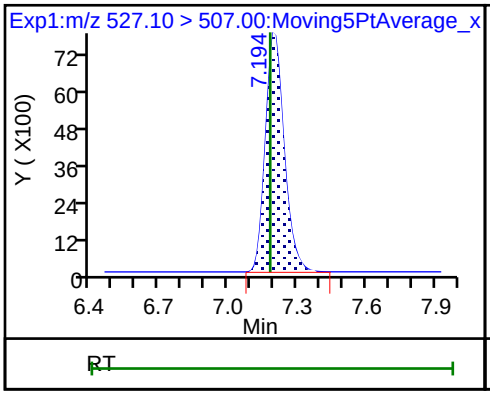
43 PFNA



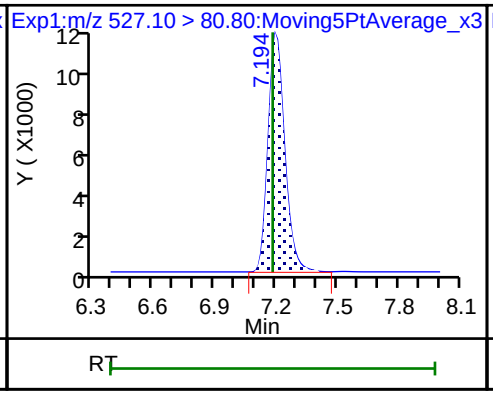
D 45 13C2-8:2FTS



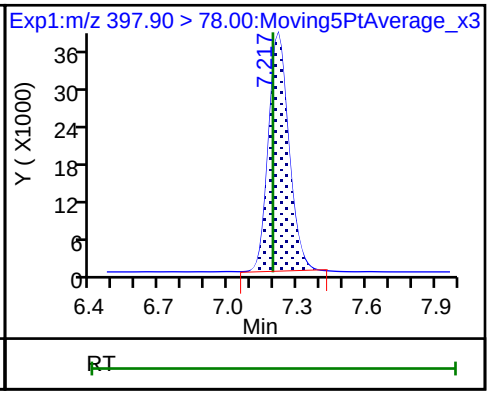
46 8:2FTS



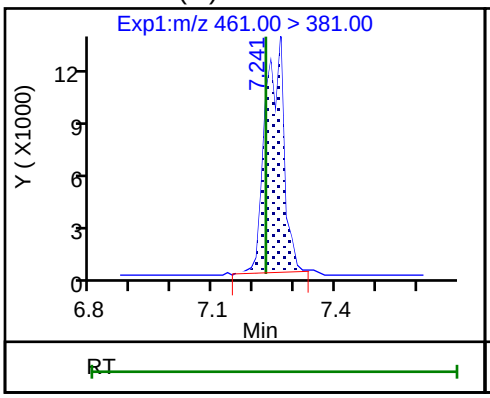
46 8:2FTS



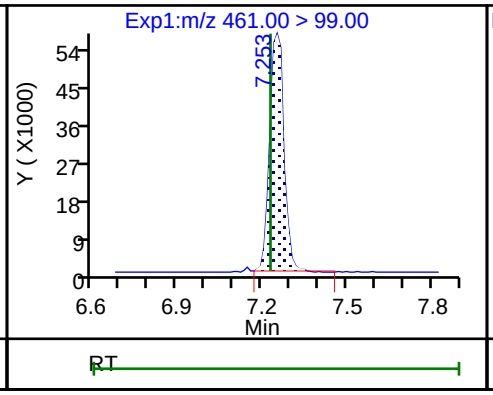
48 FHxSA



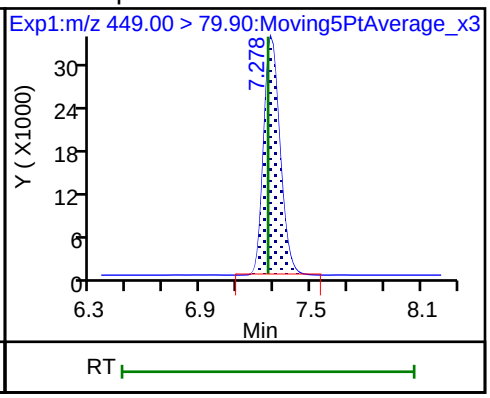
44 PFECHS (M)



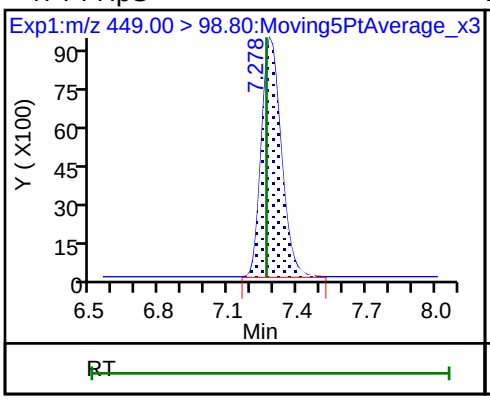
44 PFECHS



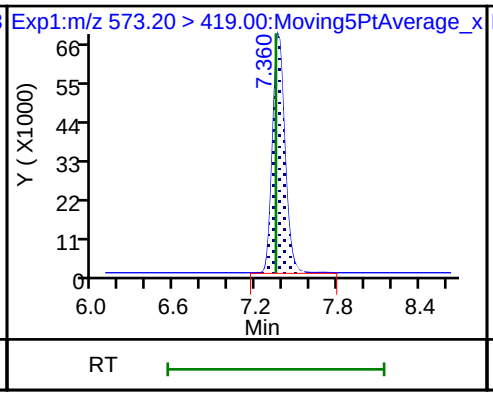
47 PFHpS



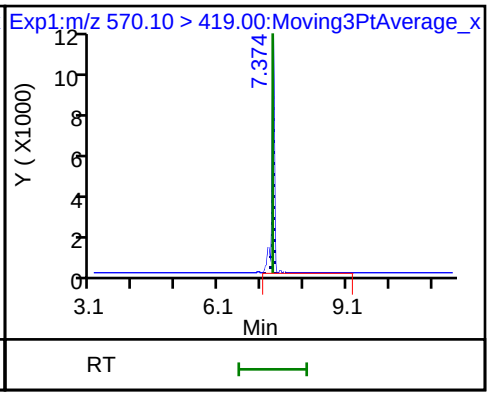
47 PFHpS



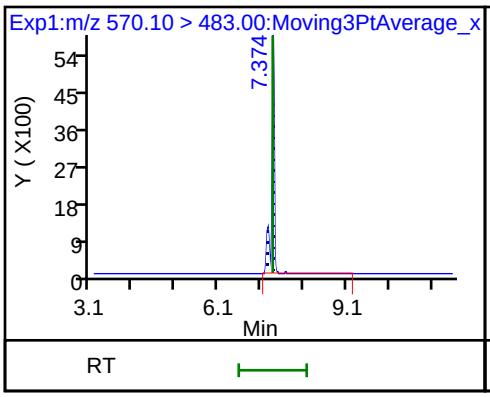
D 49 d3-NMeFOSAA



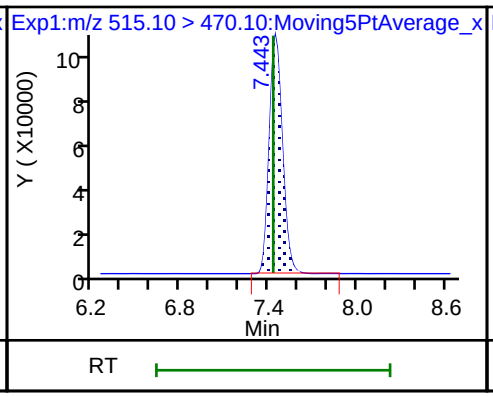
50 NMeFOSAA



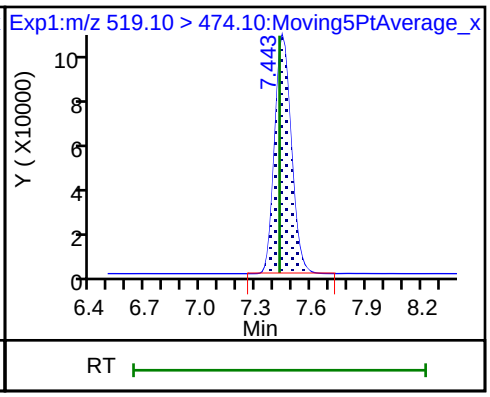
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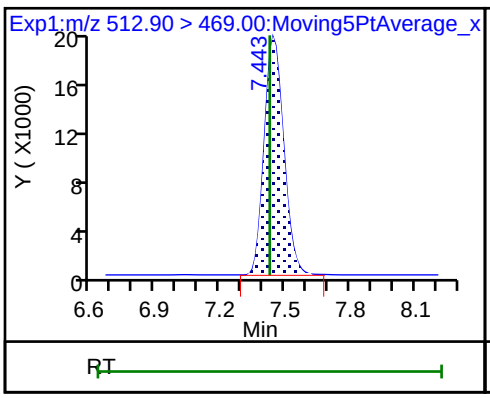
* 51 13C2 PFDA



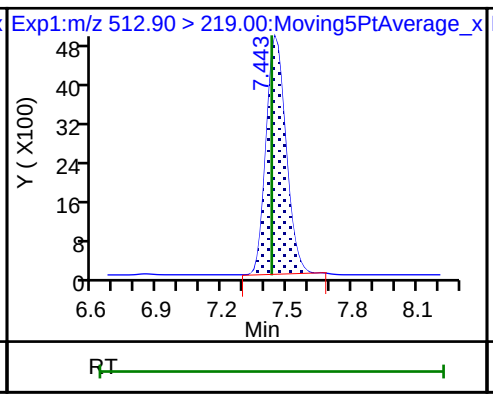
D 52 13C6 PFDA



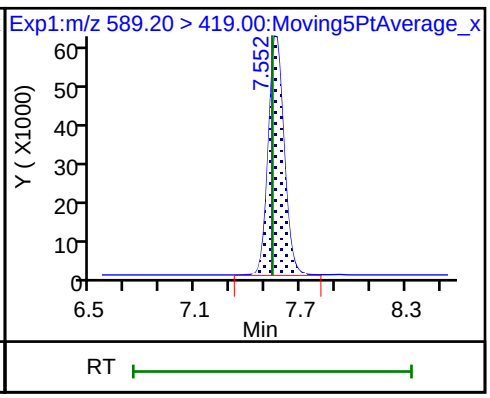
53 PFDA



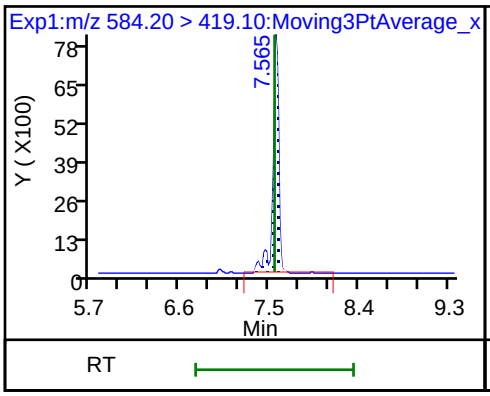
53 PFDA



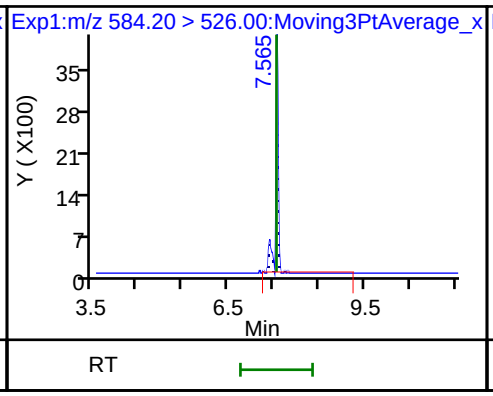
D 54 d5-NEtFOSAA



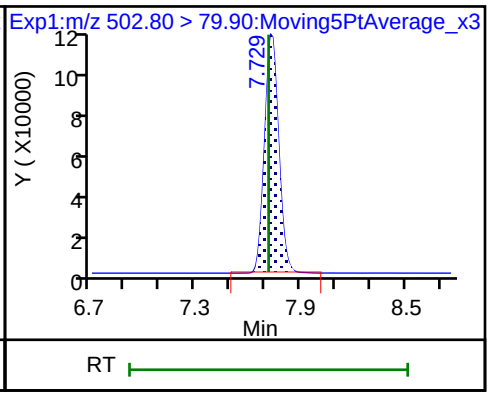
55 NEtFOSAA



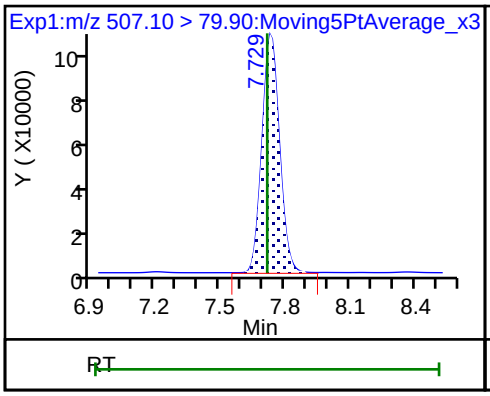
55 NEtFOSAA



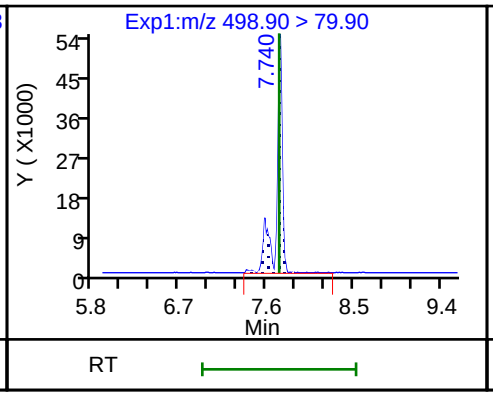
* 57 13C4 PFOS



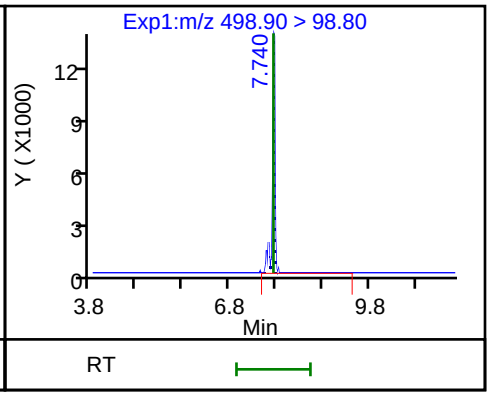
D 56 13C8 PFOS



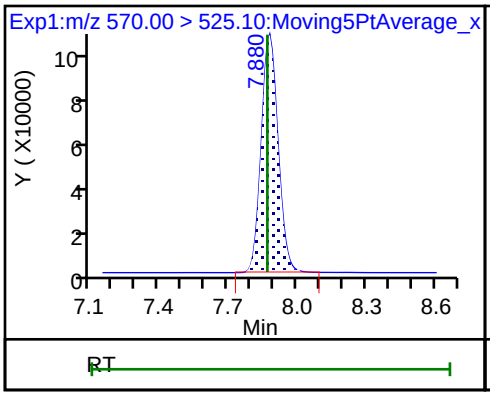
58 PFOS



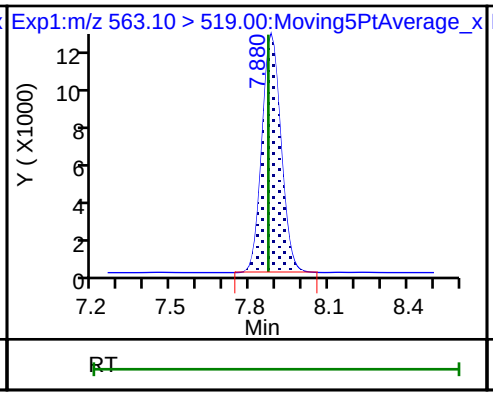
58 PFOS



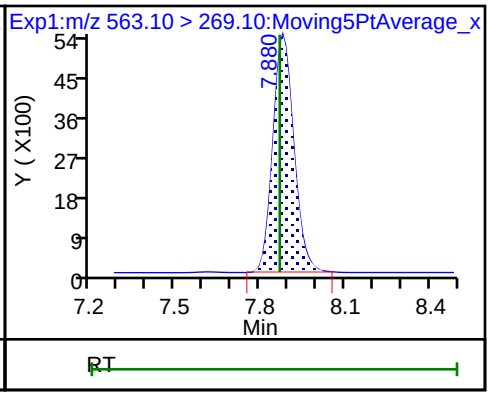
D 59 13C7 PFUnA



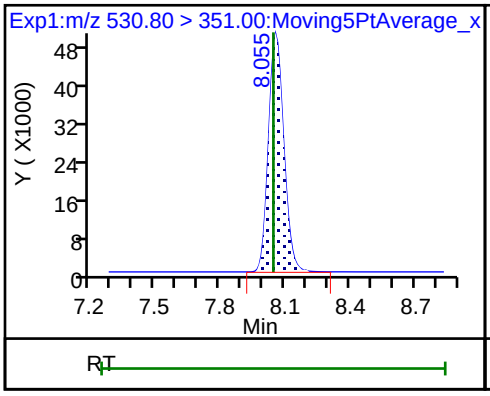
60 PFUnA



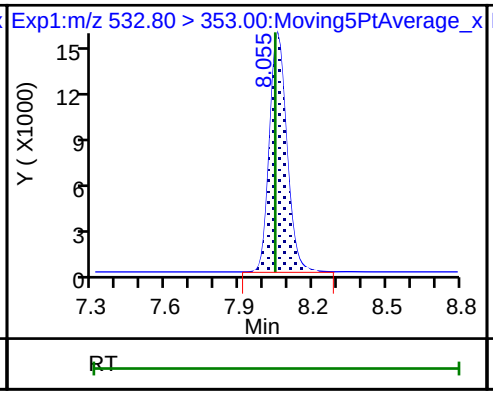
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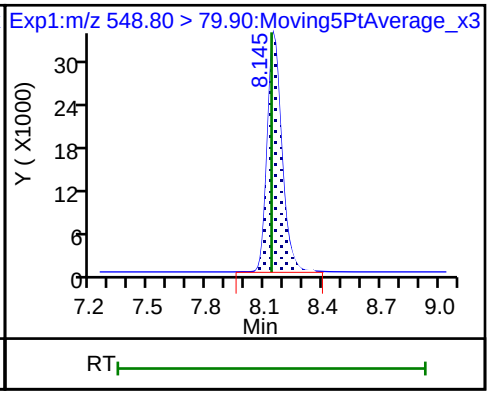
61 9ClFOS



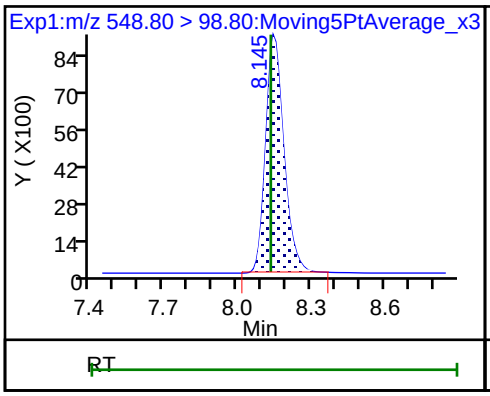
61 9ClFOS



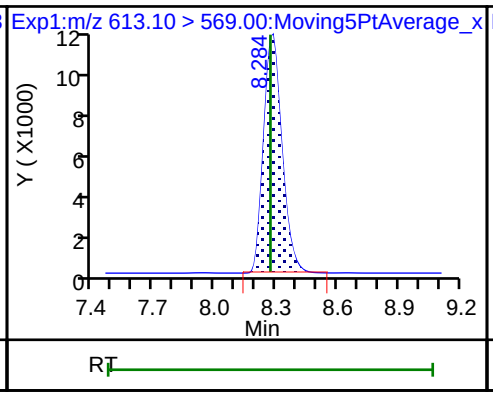
62 PFNS



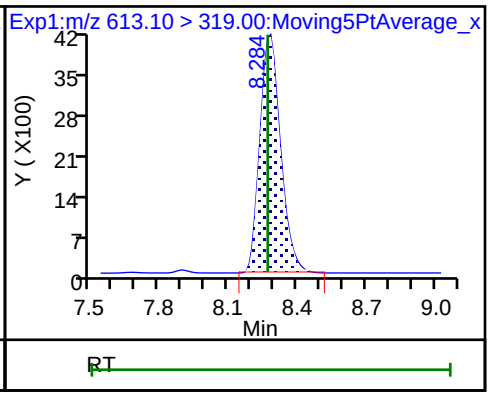
62 PFNS



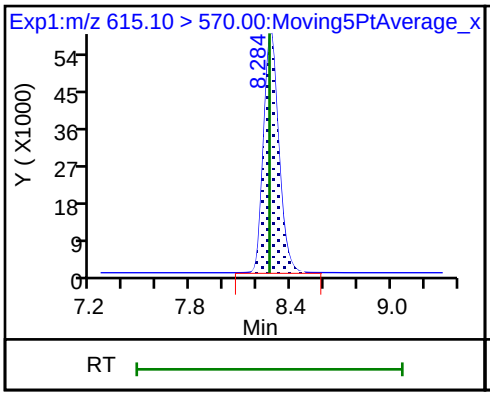
64 PFDoA



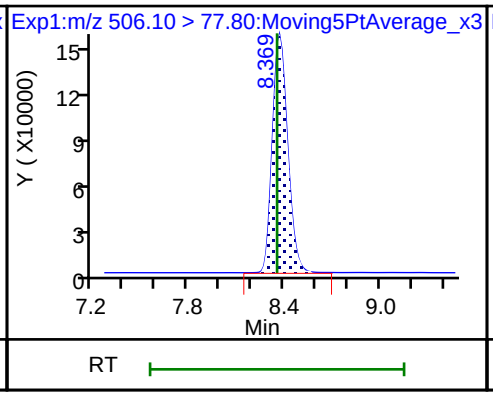
64 PFDoA



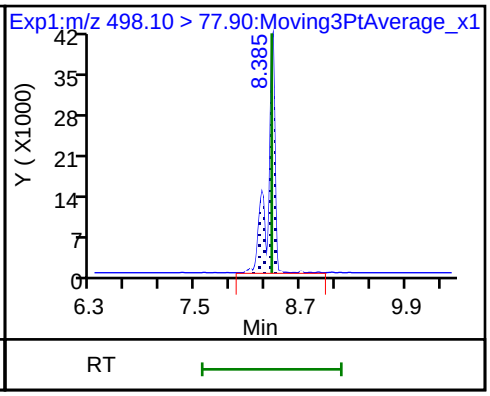
D 63 PFDoA



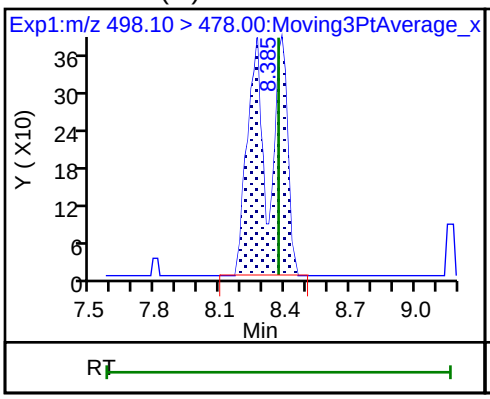
D 66 13C8 FOSA



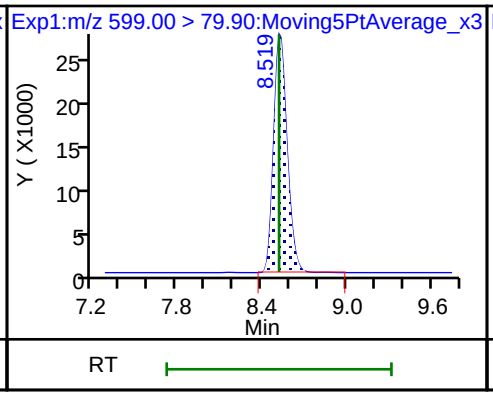
65 PFOSA



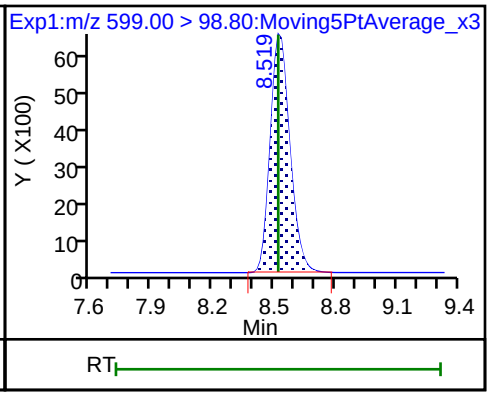
65 PFOSA (M)



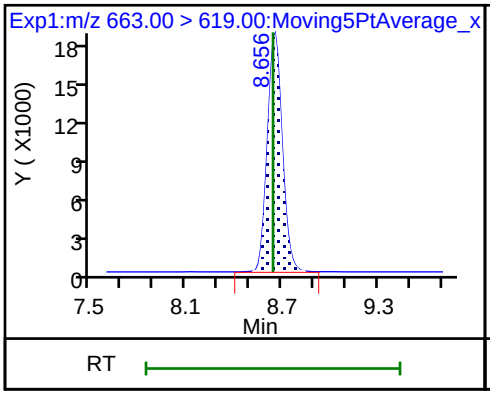
67 PFDS



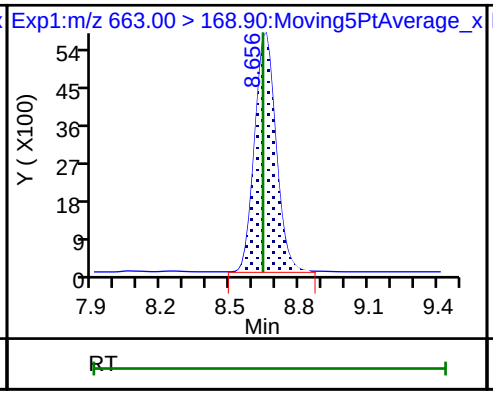
67 PFDS



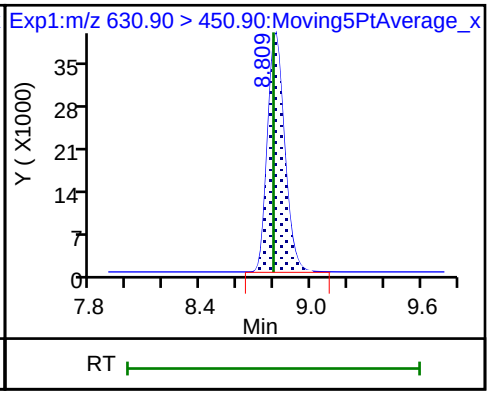
68 PFTrDA



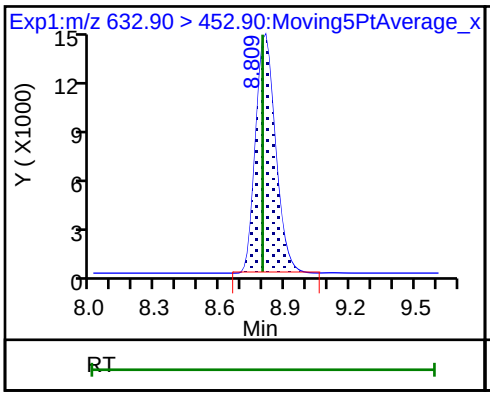
68 PFTrDA



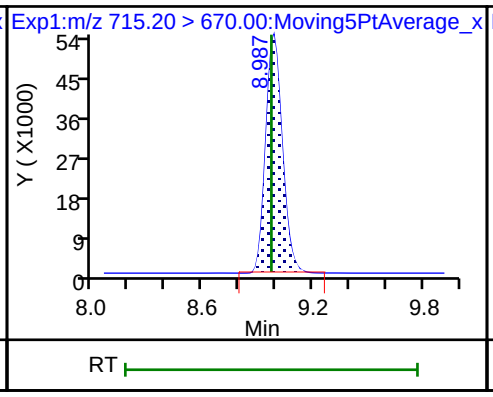
69 11ClFOS



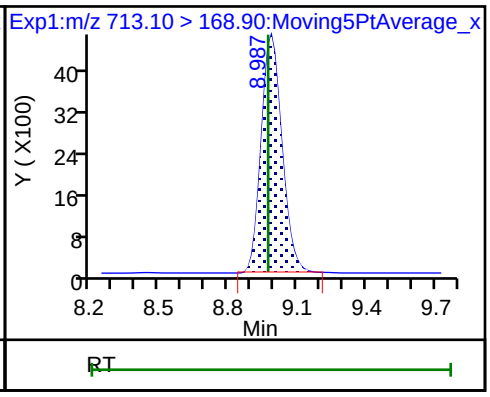
69 11ClFOS



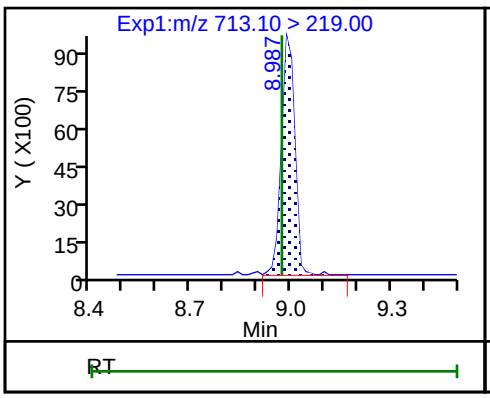
D 70 13C2 PFTeDA



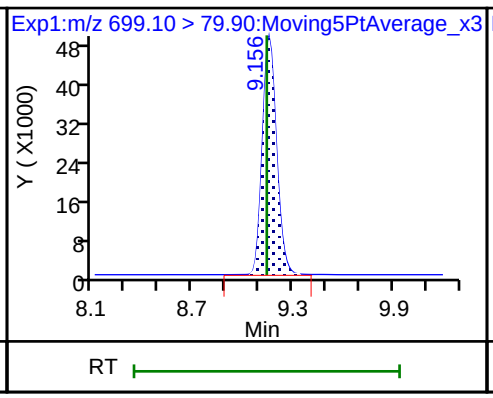
71 PFTeDA



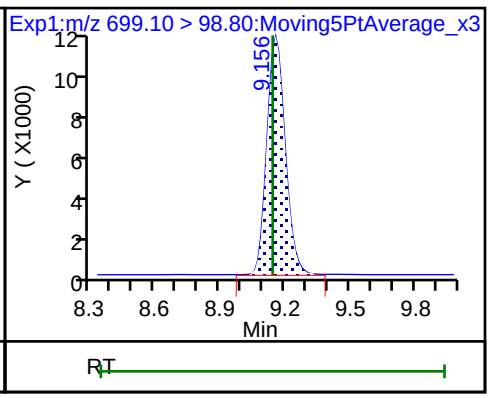
71 PFTeDA



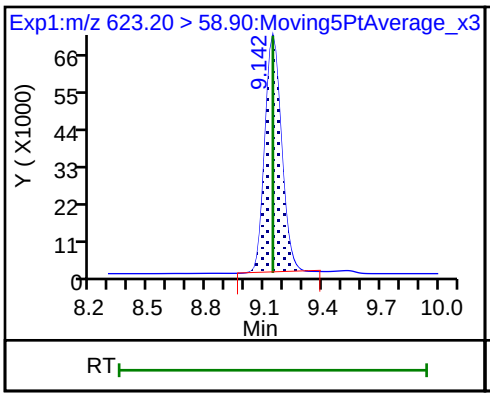
72 PFDoS



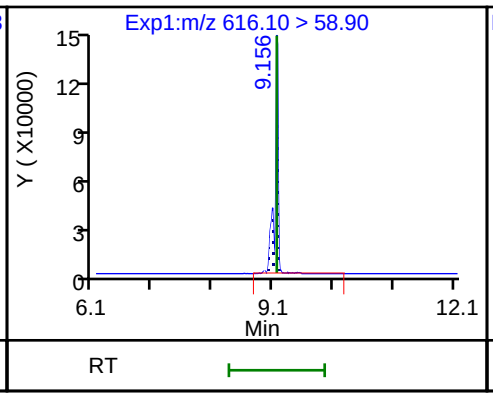
72 PFDoS



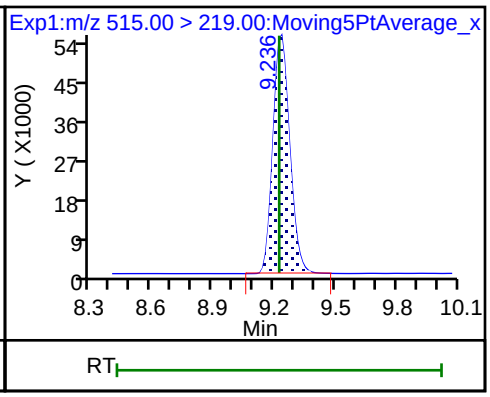
D 73 d7-N-Me-FOSE



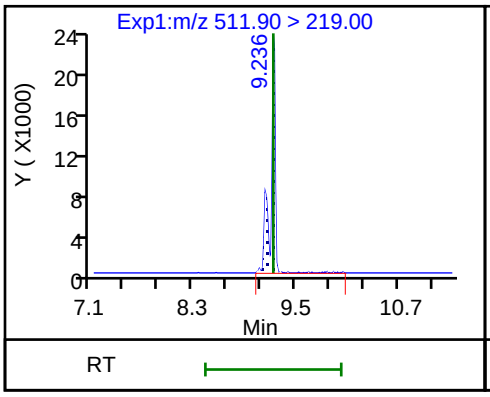
74 N-MeFOSE-M



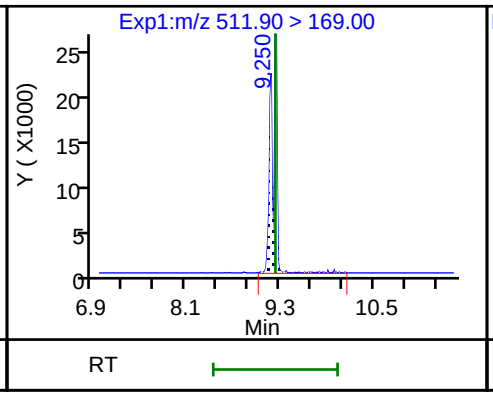
D 75 d3-NMePFOSA



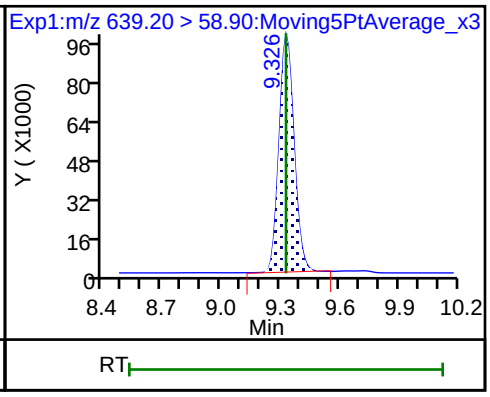
76 NMeFOSA



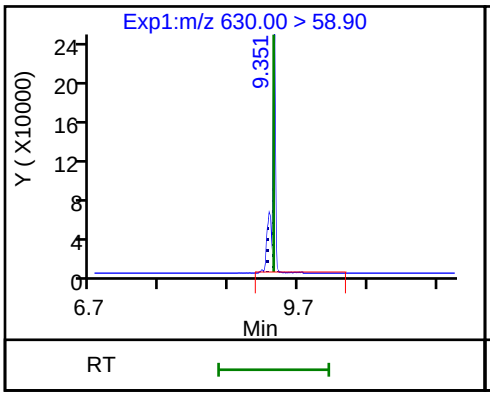
76 NMeFOSA



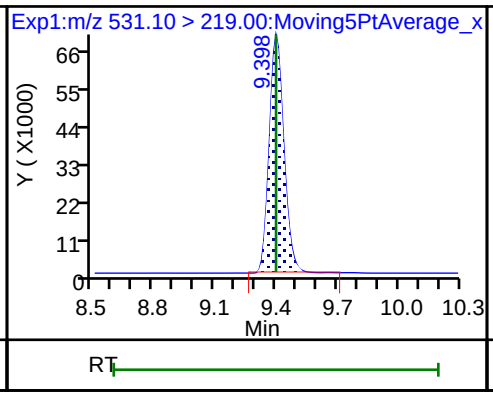
D 77 d9-N-EtFOSE



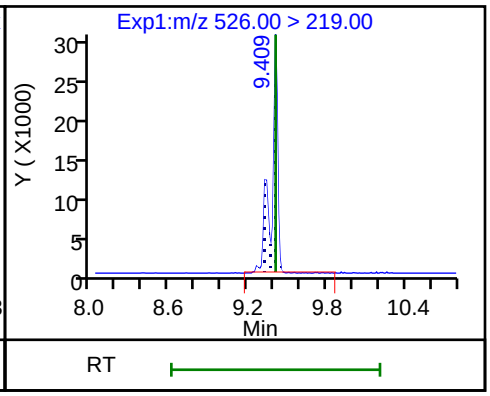
78 N-EtFOSE-M



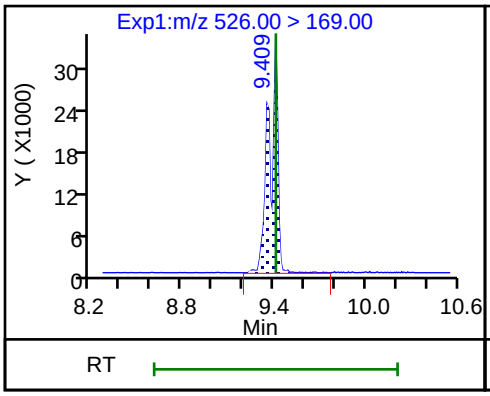
D 79 d5-NEtPFOSA



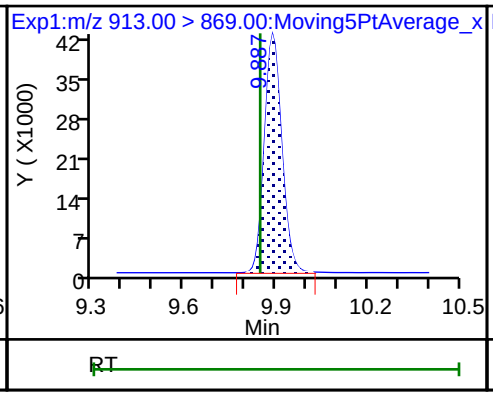
80 N-EtFOSA-M



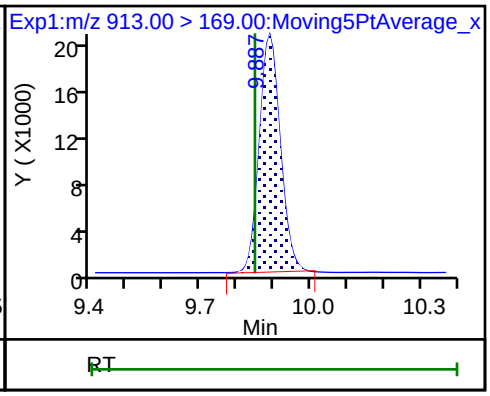
80 N-EtFOSA-M



81 Perfluorooctadecanoic acid



81 Perfluorooctadecanoic acid



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-04.d
Lims ID: IC CAL 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 03-Mar-2025 19:07:10 ALS Bottle#: 20005 Worklist Smp#: 4
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: IC CAL 4
Misc. Info.: Plate: 1 Rack: 1 410-0139703-004
Operator ID: ETUS023_USR_INS00054 Instrument ID: 30729
Sublist: chrom-30729_1633Final*sub1

Method: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\30729_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 06-Mar-2025 13:05:29 Calib Date: 03-Mar-2025 20:03:32
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-08.d

Column 1 : Det: EXP1
Process Host: CTX1635

First Level Reviewer: LDU5 Date: 04-Mar-2025 17:54:53
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
1 Perfluoropropionic acid										M
163.00 > 119.00	1.869	1.885	-0.016	0.996	1000484	4.84		96.7	5637	M
D 2 13C3PFPrA										
166.00 > 121.00	1.877	1.885	-0.008	0.421	374379	1.90		95.2	180	
5 PFBA										
212.80 > 168.90	4.452	4.443	0.009	0.998	607210	1.96		97.8	10812	
D 3 13C4-PFBA										
216.80 > 171.90	4.461	4.443	0.018	1.000	617661	1.99		99.3	15560	
* 4 13C3PFBA										
216.00 > 172.00	4.461	4.443	0.018		703479	2.00			148	
6 PFMPA										
229.00 > 84.90	4.778	4.776	0.002	0.928	406879	0.9650		96.5	15218	
7 3:3 FTCA										
241.00 > 177.00	4.801	4.787	0.014	0.933	44761	1.84	Target=1.09	92.2	2681	
241.00 > 117.00	4.789	4.787	0.002	0.930	44086		1.02(0.54-1.63)	92.2	2655	
D 9 13C5 PFPeA										
268.30 > 223.00	5.147	5.132	0.015	0.906	485447	1.95		97.6	27685	
10 PFPA										
263.00 > 219.00	5.158	5.143	0.015	1.002	385830	0.9845		98.5	16442	
11 PFMBA										
279.00 > 85.10	5.336	5.320	0.016	1.037	442097	0.9485		94.8	25851	
D 12 13C2-4:2FTS										
329.10 > 80.90	5.485	5.469	0.016	0.804	272009	4.47		95.4	9652	
13 4:2FTS										
327.10 > 307.00	5.485	5.469	0.016	1.000	146035	1.71	Target=1.32	91.3	8527	
327.10 > 80.90	5.485	5.469	0.016	1.000	123633		1.18(0.66-1.98)	91.3	4355	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
15 NFDHA										
295.00 > 201.00	5.647	5.630	0.017	0.994	222238	0.9576	Target=1.24	95.8	12912	
295.00 > 84.90	5.647	5.630	0.017	0.994	185014		1.20(0.62-1.86)	95.8	10745	
D 16 13C5 PFHxA										
318.00 > 273.00	5.683	5.677	0.005	1.000	790832	1.96		97.8	46252	
* 17 13C2 PFHxA										
315.10 > 270.00	5.683	5.677	0.005		1740291	5.00			101631	
18 PFHxA										
313.00 > 269.00	5.683	5.677	0.005	1.000	368115	1.01	Target=10.40	101	15970	
313.00 > 118.90	5.683	5.677	0.005	1.000	32884		11.19(5.20-15.60)	101	1886	
20 5:3 FTCA										
341.00 > 237.10	5.756	5.751	0.005	1.013	323417	4.57	Target=0.91	91.5	17968	
341.00 > 217.00	5.770	5.751	0.019	1.015	373612		0.87(0.45-1.36)	91.5	20620	
14 FBSA										
297.90 > 78.00	5.798	5.764	0.034	0.995	441173	1.01		101	445	
21 PFBS										
298.70 > 79.90	5.826	5.820	0.006	1.000	263194	0.8754	Target=2.88	98.6	12137	
298.70 > 98.80	5.826	5.820	0.006	1.000	87549		3.01(1.44-4.33)	98.6	4021	
D 19 13C3 PFBS										
302.10 > 79.90	5.826	5.820	0.006	0.854	819684	1.81		97.3	37623	
22 HFPO-DA										
284.90 > 168.90	5.895	5.875	0.020	1.002	307079	0.7526	Target=2.44	100	16125	
284.90 > 184.90	5.881	5.875	0.006	1.000	126335		2.43(1.22-3.65)	100	6533	
D 23 13C3 HFPO-DA										
286.90 > 168.90	5.881	5.875	0.006	1.035	759572	1.92		96.1	39881	
25 PFEESA										
314.80 > 134.90	6.091	6.071	0.020	1.072	1053777	0.8863	Target=11.17	99.4	52815	
314.80 > 82.90	6.091	6.071	0.020	1.072	88855		11.86(5.59-16.75)	99.4	4402	
D 27 13C4 PFHpA										
367.10 > 322.00	6.142	6.124	0.018	1.081	758419	1.95		97.3	43974	
28 PFHpA										
363.10 > 319.00	6.142	6.124	0.018	1.000	354315	1.02	Target=2.26	102	20708	
363.10 > 169.00	6.142	6.124	0.018	1.000	151027		2.35(1.13-3.39)	102	8739	
29 ADONA										
376.90 > 250.90	6.314	6.299	0.015	1.074	899837	0.9264	Target=1.59	97.9	16041	
376.90 > 84.80	6.305	6.299	0.006	1.072	557267		1.61(0.79-2.38)	97.9	36367	
30 PFPeS										
349.10 > 79.90	6.356	6.341	0.015	0.931	391137	0.9401	Target=3.47	100	23406	
349.10 > 98.90	6.356	6.341	0.015	0.931	105077		3.72(1.73-5.20)	100	6288	
32 6:2FTS										
427.10 > 407.00	6.356	6.341	0.015	1.000	130926	1.88	Target=1.07	99.2	8844	
427.10 > 80.90	6.356	6.341	0.015	1.000	121892		1.07(0.53-1.60)	99.2	8164	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.356	6.341	0.015	0.931	275726	4.59		96.5	18533	
33 BTS										M
280.00 > 147.00	6.542	6.528	0.014	0.959	998882	0.9718		99.3	23035	M
D 34 13C8 PFOA										
421.10 > 376.00	6.580	6.568	0.012	1.000	821301	1.94		96.8	55896	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 40 13C4 PFOA										
417.10 > 372.00	6.580	6.568	0.012		2199586	5.00			89935	
35 PFOA										
413.00 > 369.00	6.580	6.568	0.012	1.000	287105	0.9354	Target=1.66	93.5	1041	
413.00 > 169.00	6.580	6.568	0.012	1.000	176915		1.62(0.83-2.49)	93.5	863	
36 7:3 FTCA										
441.00 > 316.90	6.631	6.616	0.015	1.167	360456	5.07	Target=0.90	101	22152	
441.00 > 336.90	6.631	6.616	0.015	1.167	375252		0.96(0.45-1.34)	101	23185	
* 38 18O2 PFHxS										
403.00 > 83.90	6.824	6.810	0.014		695428	1.89			40945	
D 37 13C3 PFHxS										
402.10 > 79.90	6.824	6.810	0.014	1.000	662007	1.84		97.0	38684	
39 PFHxS										
398.70 > 79.90	6.824	6.821	0.003	1.000	213615	0.9098	Target=3.28	99.8	1120	
398.70 > 98.90	6.836	6.821	0.015	1.002	65960		3.24(1.64-4.92)	99.8	536	
D 41 13C9 PFNA										
472.10 > 427.00	7.006	6.990	0.016	1.000	638723	2.02		101	37555	
* 42 13C5 PFNA										
468.00 > 423.00	7.006	6.990	0.016		645715	2.00			38340	
43 PFNA										
463.00 > 419.00	7.018	7.002	0.016	1.002	279497	1.02	Target=2.26	102	1699	
463.00 > 219.00	7.018	7.002	0.016	1.002	123431		2.26(1.13-3.38)	102	426	
D 45 13C2-8:2FTS										
529.10 > 80.90	7.197	7.182	0.015	1.055	291698	4.53		94.3	17372	
46 8:2FTS										
527.10 > 507.00	7.197	7.182	0.015	1.000	86746	1.91	Target=0.73	99.7	5233	
527.10 > 80.80	7.197	7.182	0.015	1.000	110324		0.79(0.36-1.09)	99.7	6440	
48 FHxSA										
397.90 > 78.00	7.209	7.193	0.016	1.056	470256	0.9563		95.6	19286	
44 PFECHS										a
461.00 > 381.00	7.244	7.229	0.015	1.062	87415	0.9140	Target=0.24	98.9		a
461.00 > 99.00	7.244	7.229	0.015	1.062	404471		0.22(0.12-0.35)	98.9	261	
47 PFHpS										
449.00 > 79.90	7.282	7.265	0.017	0.942	372111	0.9166	Target=3.81	96.1	20458	
449.00 > 98.80	7.282	7.265	0.017	0.942	96844		3.84(1.91-5.72)	96.1	5289	
D 49 d3-NMeFOSAA										
573.20 > 419.00	7.364	7.346	0.018	0.952	446237	4.91		98.3	24141	
50 NMeFOSAA										
570.10 > 419.00	7.364	7.360	0.004	1.000	105598	0.99	Target=2.23	99.3	26021	
570.10 > 483.00	7.377	7.360	0.017	1.002	45343		2.33(1.12-3.35)	99.3	220	
* 51 13C2 PFDA										
515.10 > 470.10	7.446	7.428	0.018		673071	2.00			35978	
D 52 13C6 PFDA										
519.10 > 474.10	7.446	7.428	0.018	1.000	680103	1.97		98.3	36264	
53 PFDA										
512.90 > 469.00	7.446	7.428	0.018	1.000	269223	1.08	Target=2.91	108	14471	
512.90 > 219.00	7.446	7.428	0.018	1.000	81612		3.30(1.46-4.37)	108	4383	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.555	7.538	0.017	0.977	384328	4.83		96.7	21211	
55 NEtFOSAA										
584.20 > 419.10	7.568	7.551	0.017	1.002	65984	0.9832	Target=1.98	98.3	220	
584.20 > 526.00	7.568	7.551	0.017	1.002	33012		2.00(0.99-2.97)	98.3	171	
* 57 13C4 PFOS										
502.80 > 79.90	7.732	7.717	0.016		672610	1.91			40134	
D 56 13C8 PFOS										
507.10 > 79.90	7.732	7.717	0.016	1.000	595782	1.85		96.8	13271	
58 PFOS										
498.90 > 79.90	7.732	7.729	0.003	1.000	423399	0.9040	Target=4.40	97.2	640	
498.90 > 98.80	7.732	7.729	0.003	1.000	98297		4.31(2.20-6.59)	97.2	206	
D 59 13C7 PFUnA										
570.00 > 525.10	7.872	7.869	0.003	1.057	502413	1.83		91.4	33067	
60 PFUnA										
563.10 > 519.00	7.872	7.869	0.003	1.000	133143	0.9833	Target=2.30	98.3	8760	
563.10 > 269.10	7.872	7.869	0.003	1.000	60327		2.21(1.15-3.45)	98.3	3978	
61 9ClFOS										
530.80 > 351.00	8.048	8.045	0.003	1.368	504924	0.9194	Target=3.09	98.4	34332	
532.80 > 353.00	8.048	8.045	0.003	1.368	160681		3.14(1.54-4.63)	98.4	10775	
62 PFNS										
548.80 > 79.90	8.137	8.135	0.002	1.052	366443	0.9498	Target=3.74	98.7	23749	
548.80 > 98.80	8.137	8.135	0.002	1.052	95669		3.83(1.87-5.61)	98.7	6267	
64 PFDoA										
613.10 > 569.00	8.273	8.271	0.002		134937	0.9256	Target=2.66	92.6	7255	
613.10 > 319.00	8.273	8.271	0.002		52415		2.57(1.33-4.00)	92.6	2801	
D 63 PFDoA										
615.10 > 570.00	8.273	8.271	0.002	1.111	370852	1.85		92.3	19876	
D 66 13C8 FOSA										
506.10 > 77.80	8.372	8.354	0.018	1.083	1027691	1.92		96.2	38113	
65 PFOSA										
498.10 > 77.90	8.372	8.369	0.003	1.000	463411	0.9832	Target=73.16	98.3	1586	
498.10 > 478.00	8.372	8.369	0.003	1.000	5899		78.56(36.58-109.75)	98.3	5.7	
67 PFDS										
599.00 > 79.90	8.521	8.519	0.002	1.102	418144	1.00	Target=4.05	103	21142	
599.00 > 98.80	8.521	8.519	0.002	1.102	101429		4.12(2.03-6.08)	103	5145	
68 PFTrDA										
663.00 > 619.00	8.645	8.641	0.004	0.963	230041	0.9599	Target=3.35	96.0	11857	
663.00 > 168.90	8.645	8.641	0.004	0.963	72660		3.17(1.67-5.02)	96.0	3739	
69 11ClFOS										
630.90 > 450.90	8.798	8.795	0.003	1.496	535216	0.9426	Target=2.94	99.8	27997	
632.90 > 452.90	8.798	8.795	0.003	1.496	178778		2.99(1.47-4.42)	99.8	9412	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.976	8.972	0.004	1.205	332921	1.86		92.8	17616	
71 PFTeDA										
713.10 > 168.90	8.976	8.972	0.004	1.000	56360	1.02	Target=1.12	102	2965	
713.10 > 219.00	8.976	8.972	0.004	1.000	48340		1.17(0.56-1.68)	102	294	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
72 PFDoS										
699.10 > 79.90	9.145	9.142	0.003	1.183	607981	0.99	Target=4.47	102	34213	
699.10 > 98.80	9.145	9.142	0.003	1.183	137191		4.43(2.24-6.71)	102	7707	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.145	9.142	0.003	1.183	434722	4.85		97.0	5965	
74 N-MeFOSE-M										
616.10 > 58.90	9.159	9.156	0.003	1.002	1065318	4.63		92.6	3347	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.227	9.224	0.003	1.193	310704	1.88		93.8	9067	
76 NMeFOSA										
511.90 > 219.00	9.240	9.237	0.003	1.001	166705	1.00	Target=0.69	100	952	
511.90 > 169.00	9.240	9.237	0.003	1.001	242412		0.69(0.34-1.03)	100	898	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.330	9.327	0.003	1.207	517177	4.73		94.7	7444	
78 N-EtFOSE-M										
630.00 > 58.90	9.342	9.339	0.003	1.001	1581722	4.89		97.9	6340	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.401	9.398	0.003	1.216	347738	1.89		94.5	17076	
80 N-EtFOSA-M										
526.00 > 219.00	9.412	9.409	0.003	1.001	208741	1.00	Target=0.78	99.7	1141	
526.00 > 169.00	9.401	9.409	-0.008	1.000	266977		0.78(0.39-1.16)	99.7	1319	
81 Perfluorooctadecanoic acid										
913.00 > 869.00	9.866	9.847	0.019	1.099	330618	0.9407	Target=2.08	94.1	16720	
913.00 > 169.00	9.866	9.847	0.019	1.099	160818		2.06(1.04-3.12)	94.1	10049	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

1633_125_CAL4_00033 Amount Added: 1.00 Units: mL

Report Date: 06-Mar-2025 13:05:30 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-04.d

Injection Date: 03-Mar-2025 19:07:10 Instrument ID: 30729

Lims ID: IC CAL 4

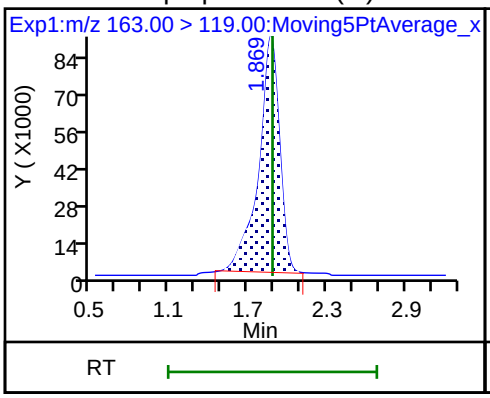
Client ID:

Operator ID: ETUS023_USR_INS00054 ALS Bottle#: 20005 Worklist Smp#: 4

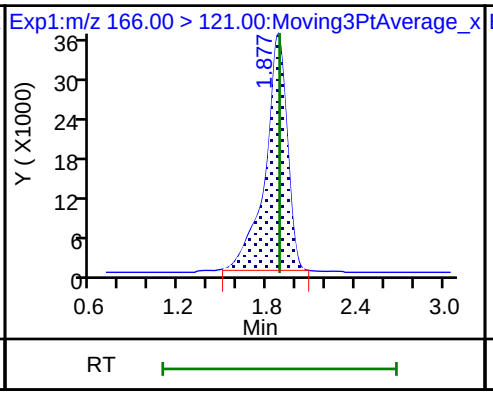
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 30729_1633Final Limit Group: LC - 1633 LVI- ICAL

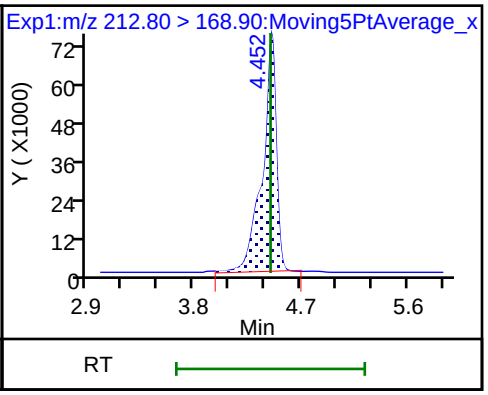
1 Perfluoropropionic acid (M)



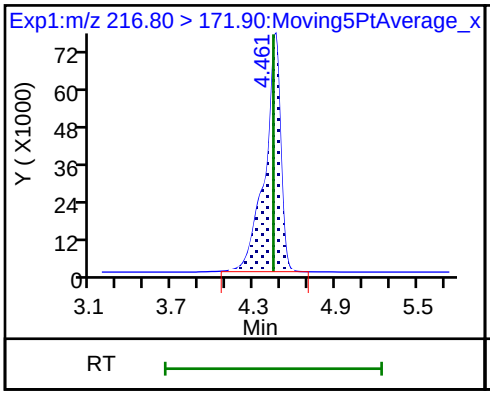
D 2 13C3PFPrA



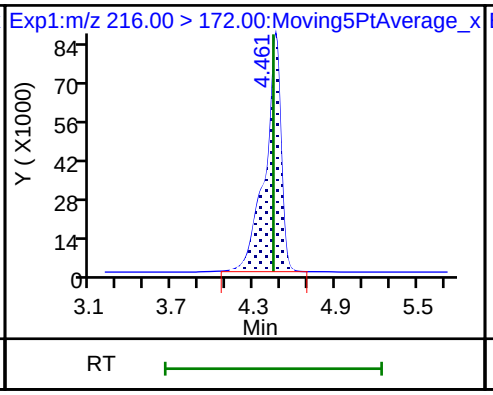
5 PFBA



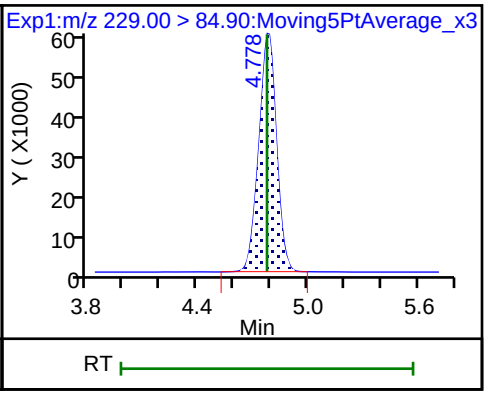
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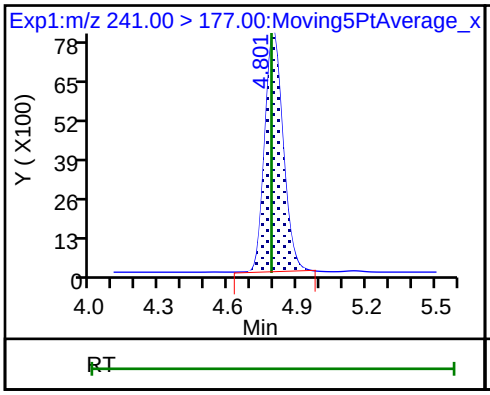
* 4 13C3PFBA



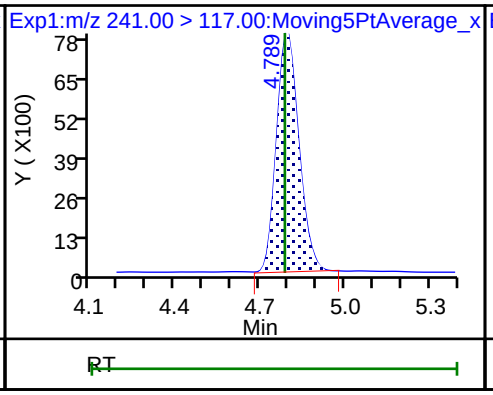
6 PFMPA



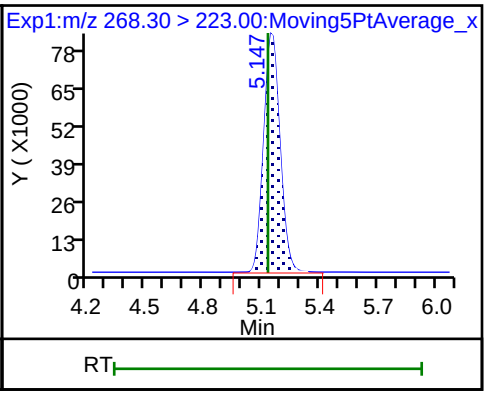
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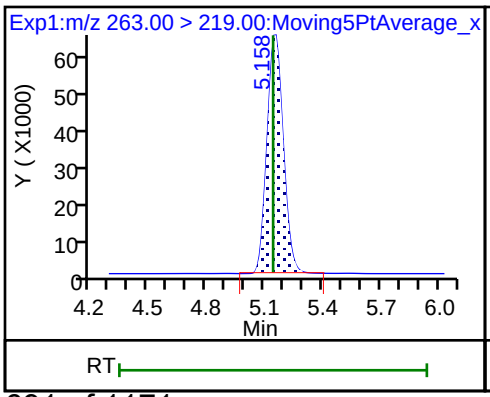
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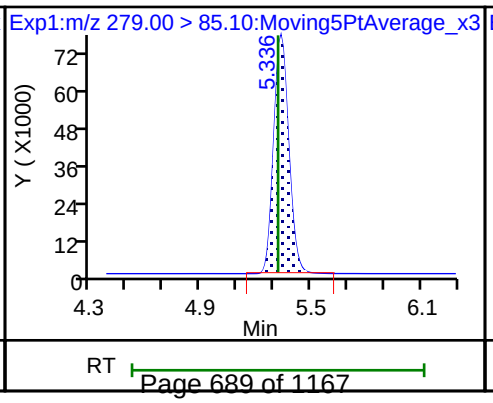
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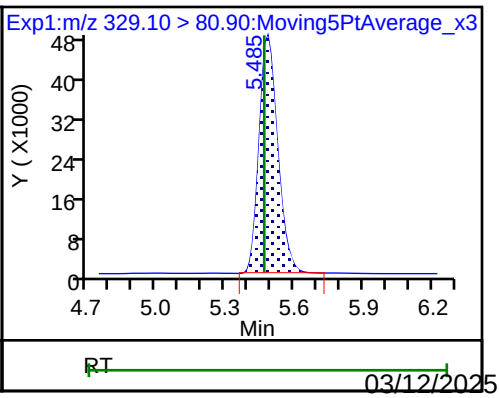
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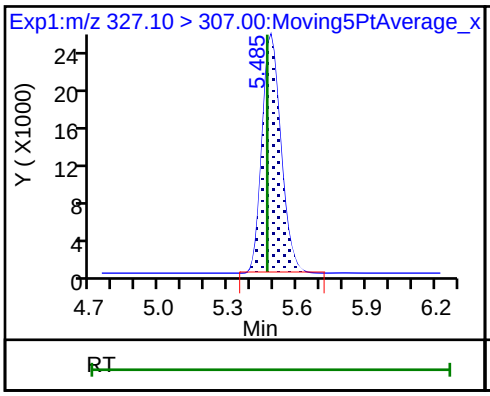
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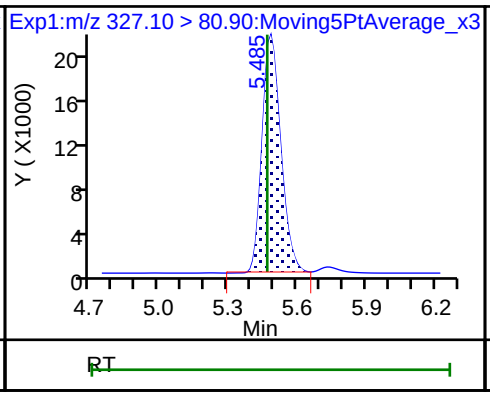
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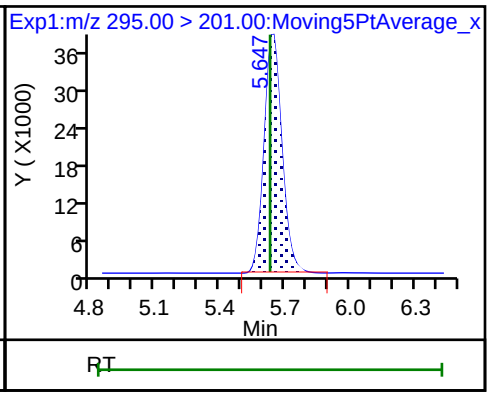
13 4:2FTS



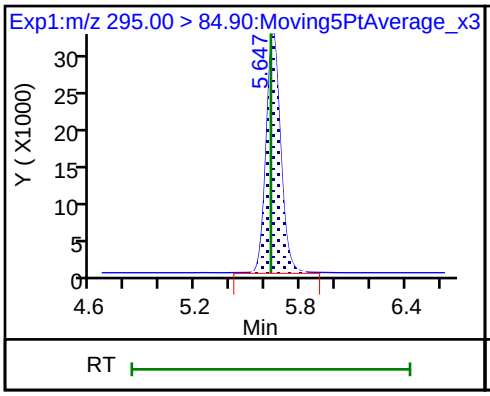
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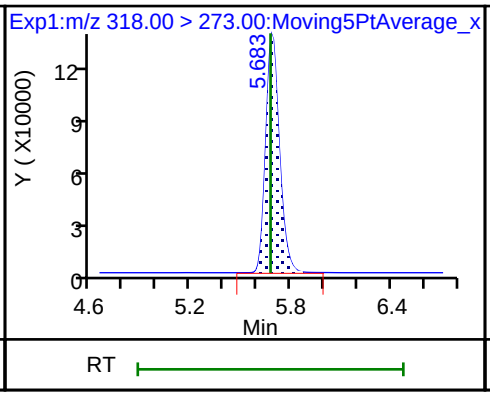
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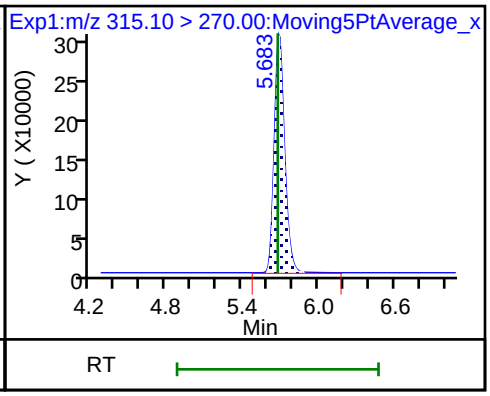
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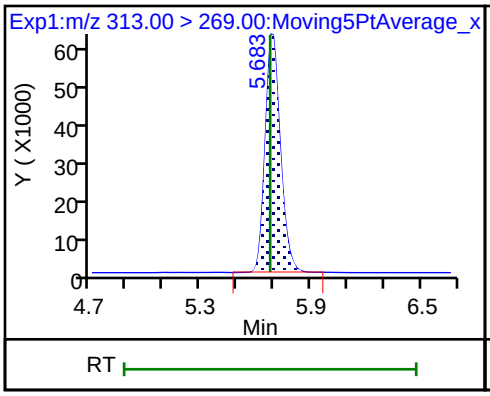
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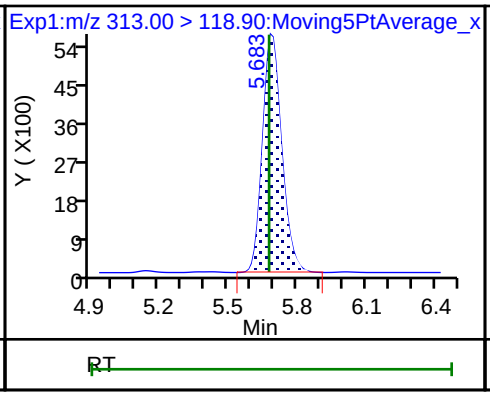
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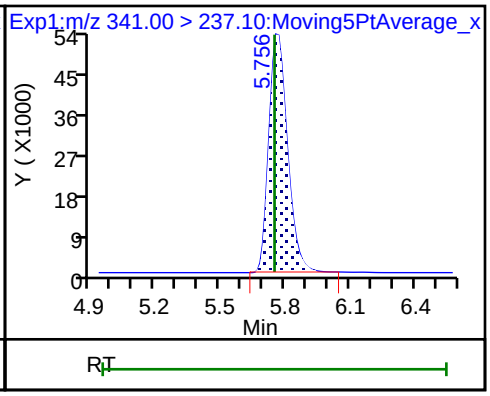
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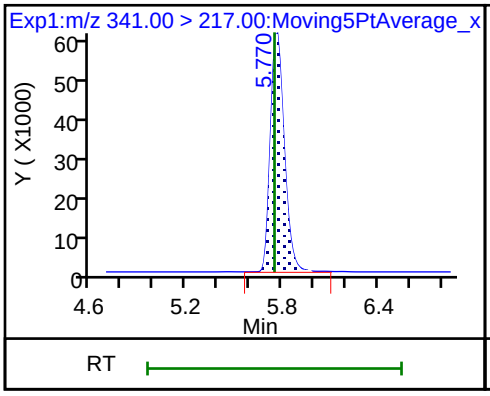
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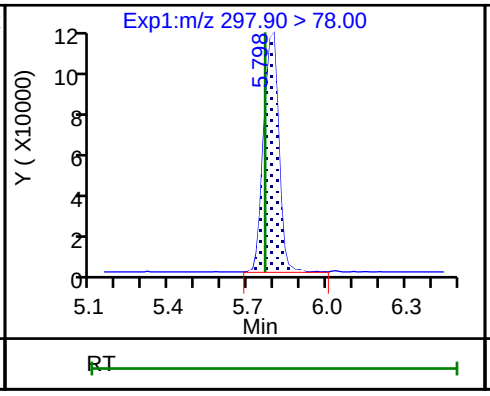
20 5:3 FTCA



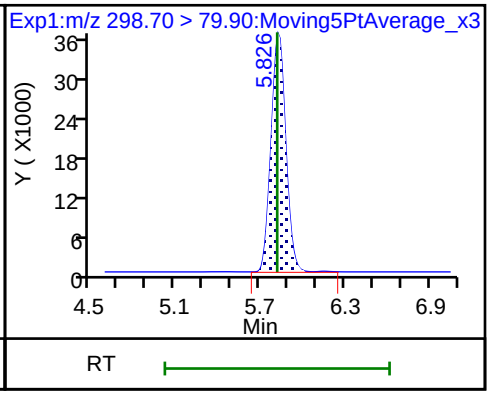
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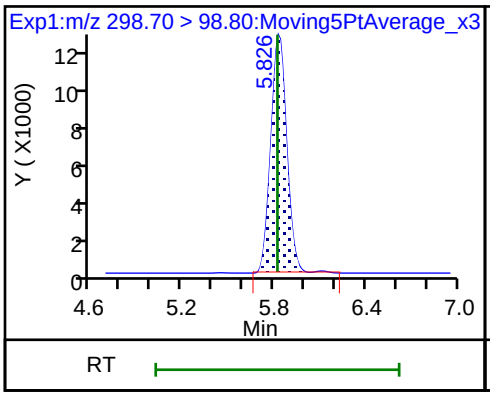
14 FBSA



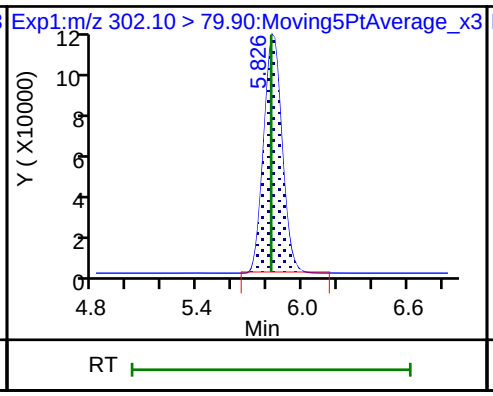
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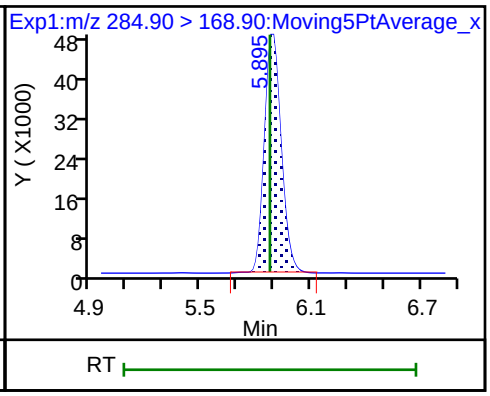
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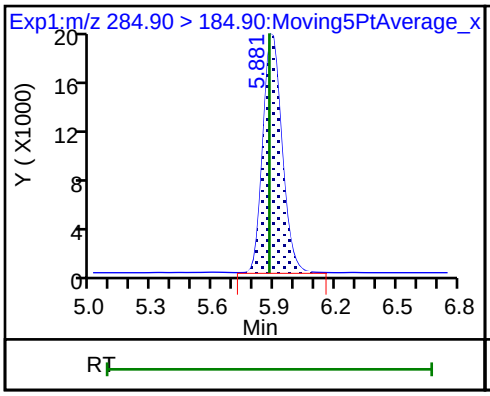
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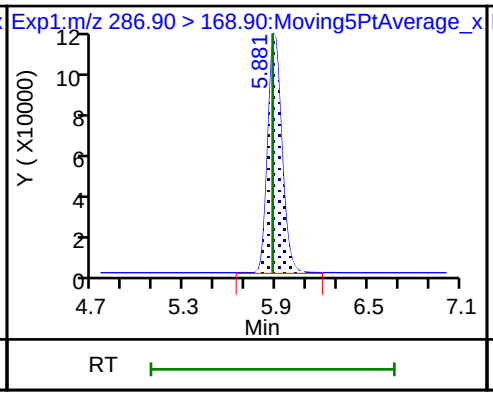
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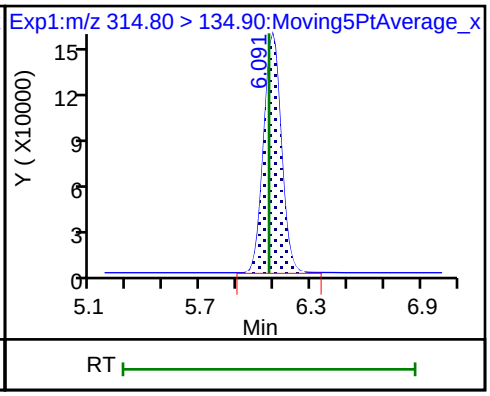
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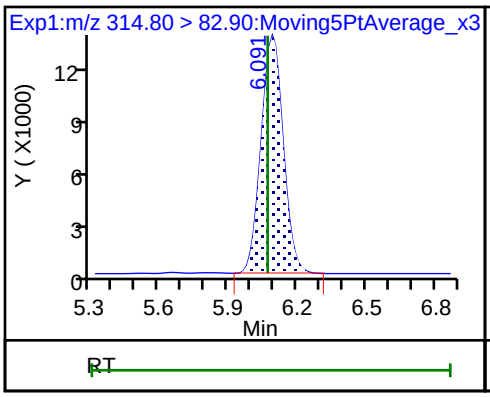
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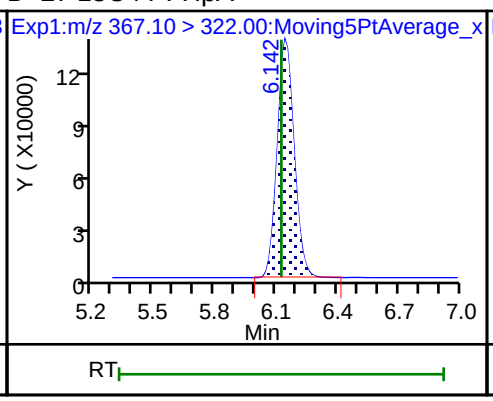
25 PFEESA



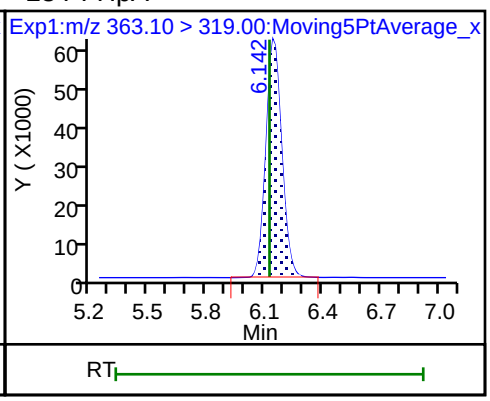
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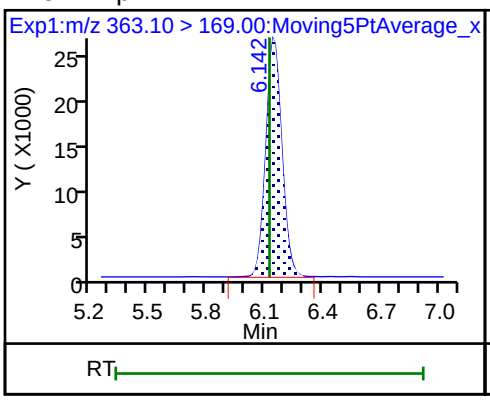
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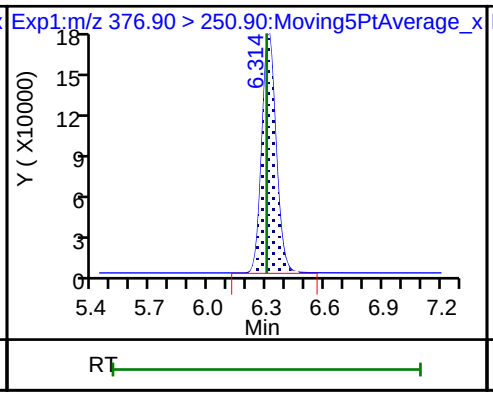
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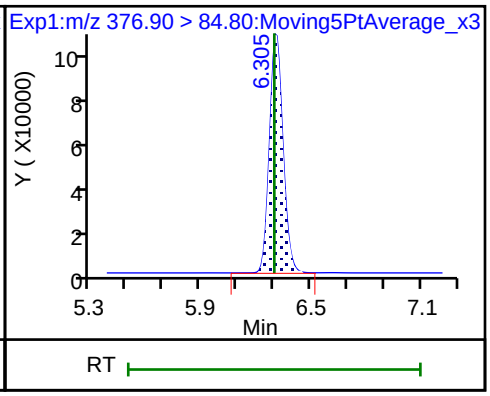
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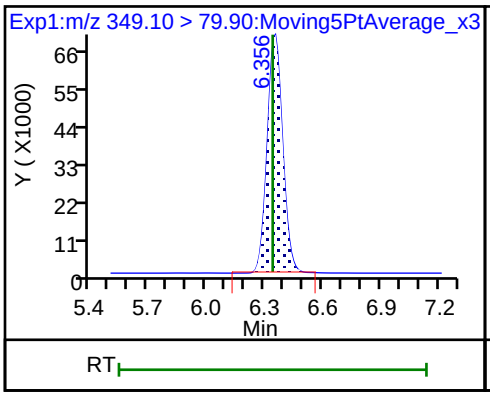
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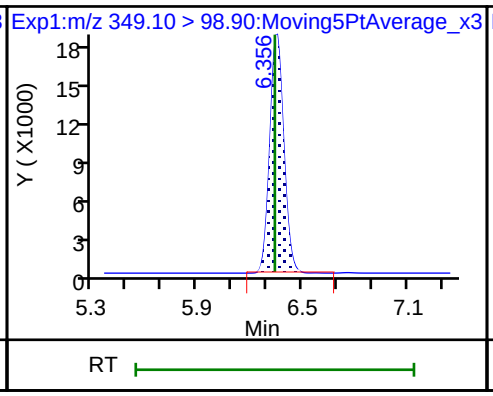
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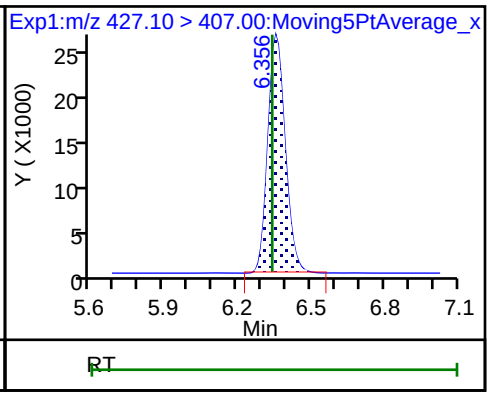
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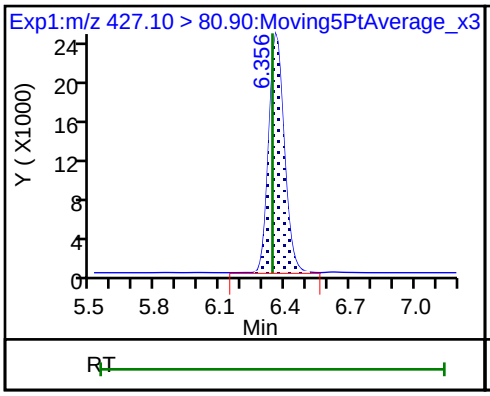
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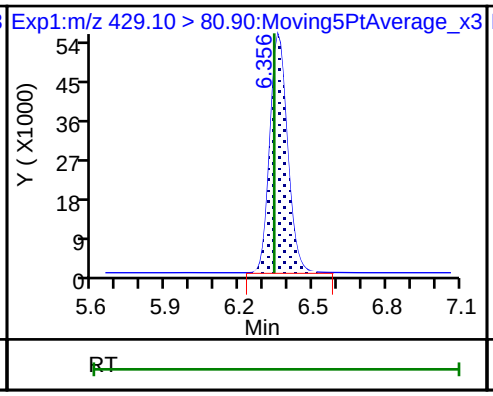
32 6:2FTS



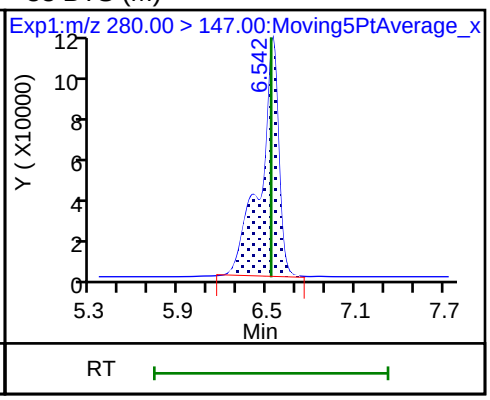
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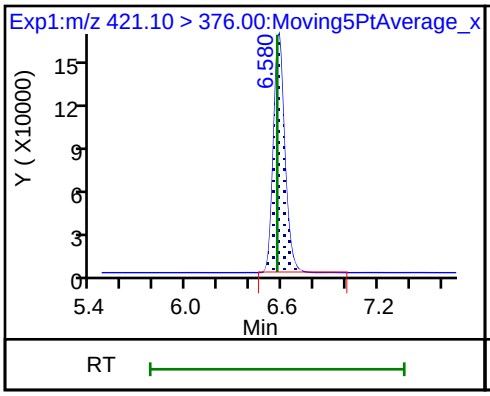
D 31 13C2-6:2FTS



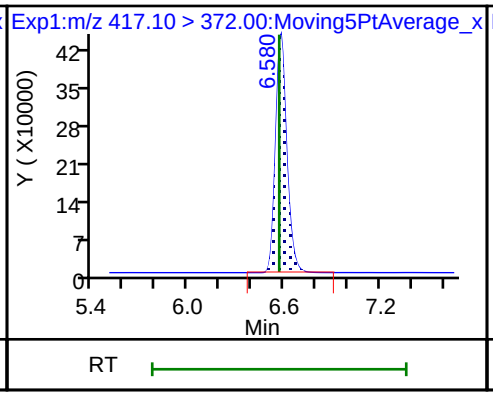
33 BTS (M)



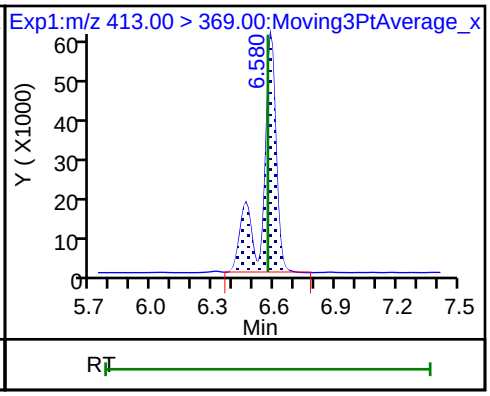
D 34 13C8 PFOA



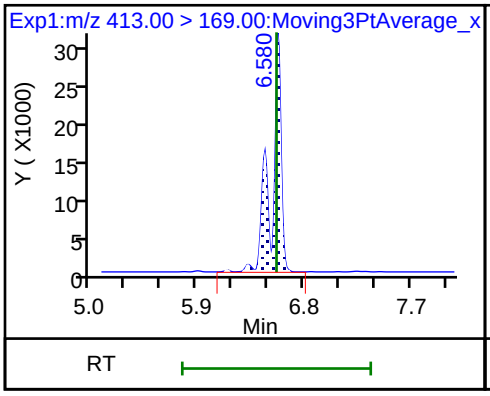
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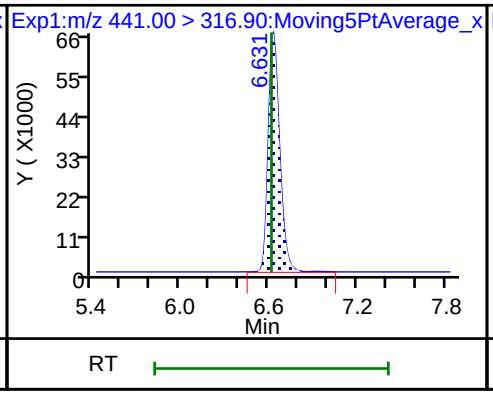
35 PFOA



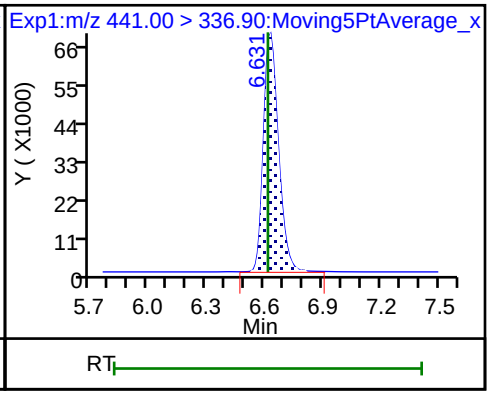
35 PFOA



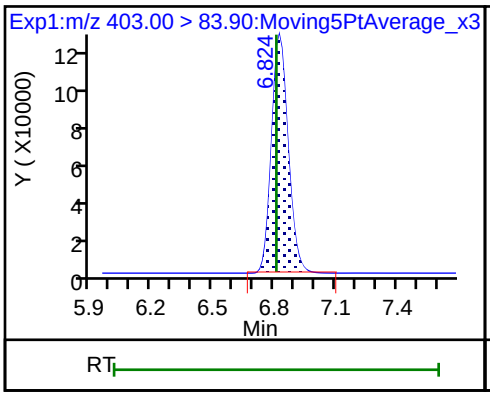
36 7:3 FTCA



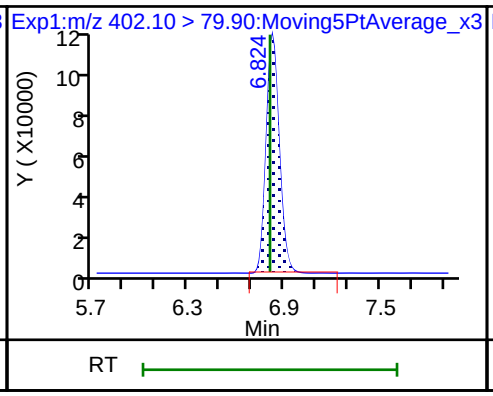
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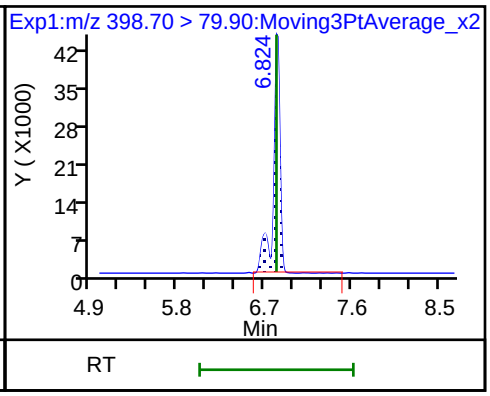
* 38 18O2 PFHxS



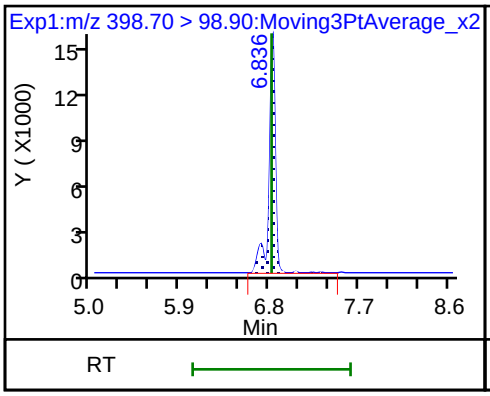
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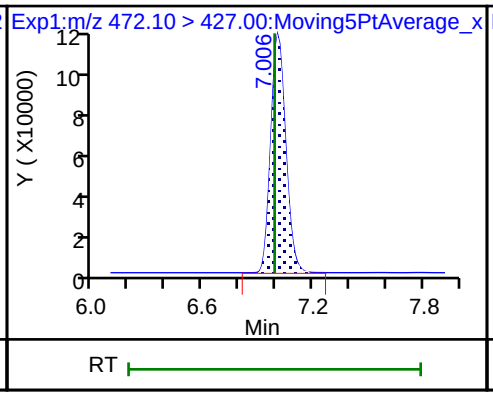
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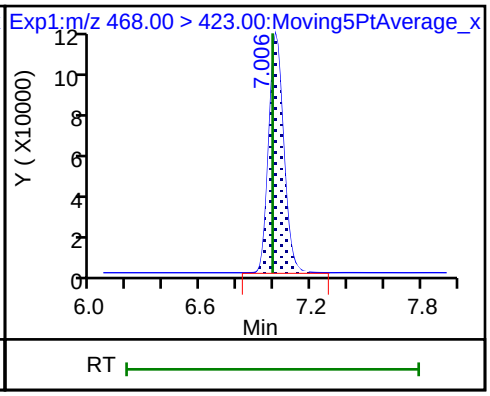
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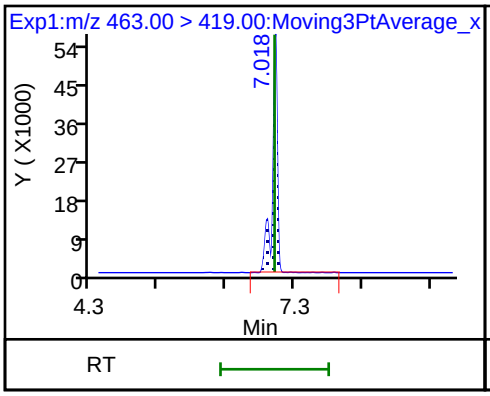
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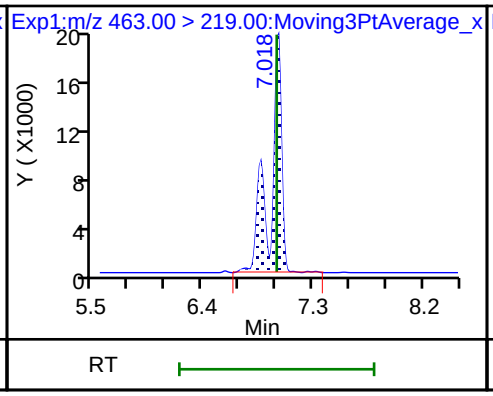
* 42 13C5 PFNA



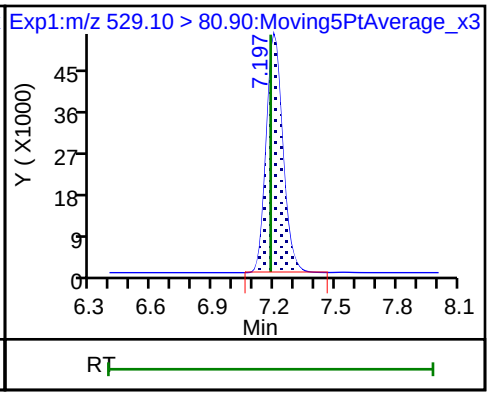
43 PFNA



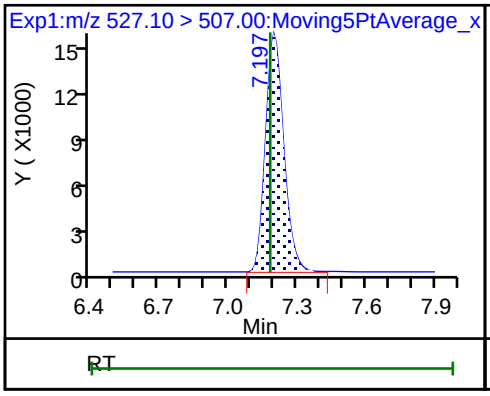
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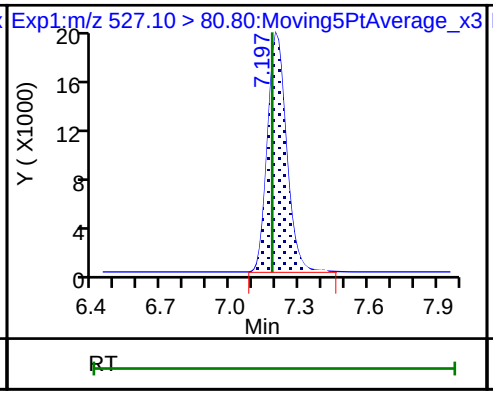
D 45 13C2-8:2FTS



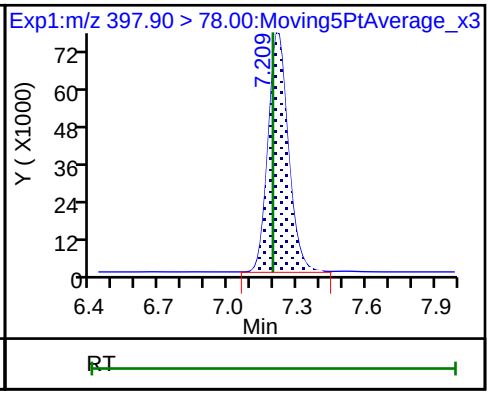
46 8:2FTS



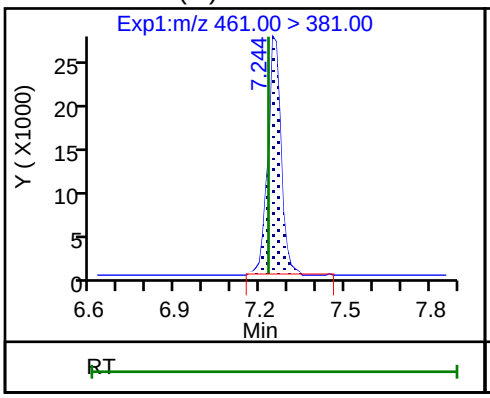
46 8:2FTS



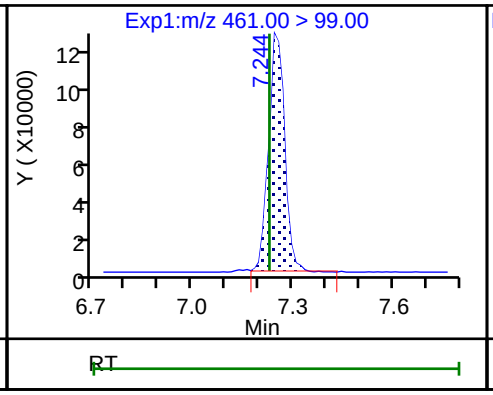
48 FHxSA



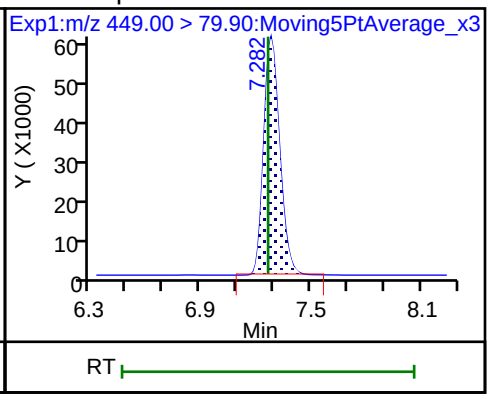
44 PFECHS (M)



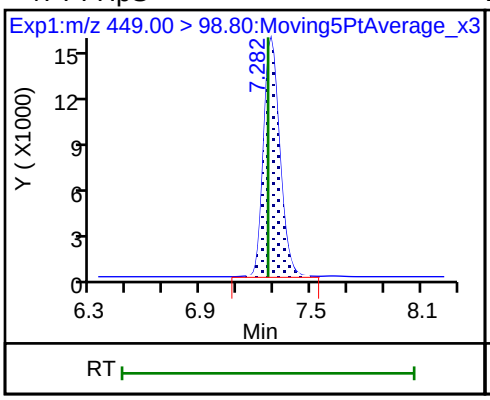
44 PFECHS



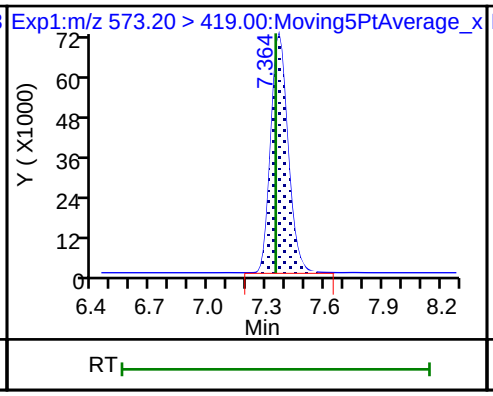
47 PFHpS



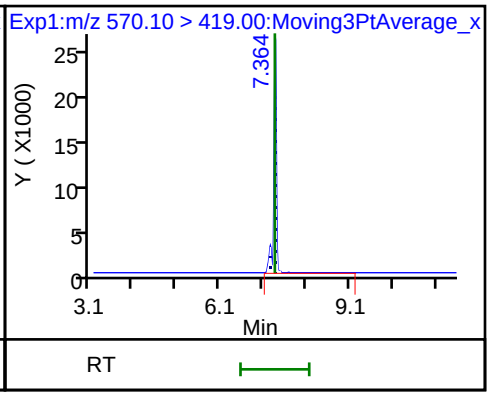
47 PFHpS



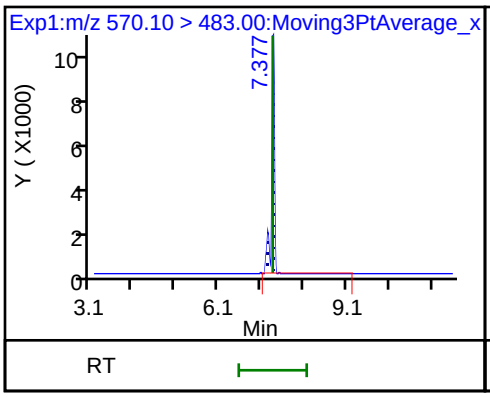
D 49 d3-NMeFOSAA



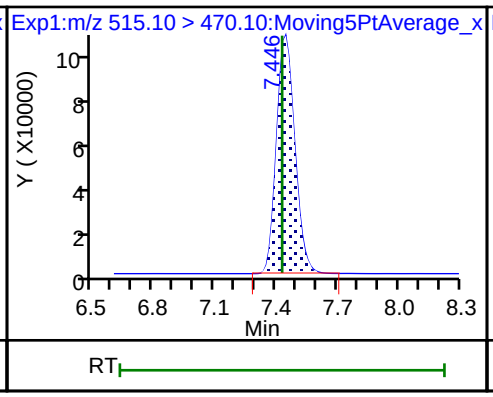
50 NMeFOSAA



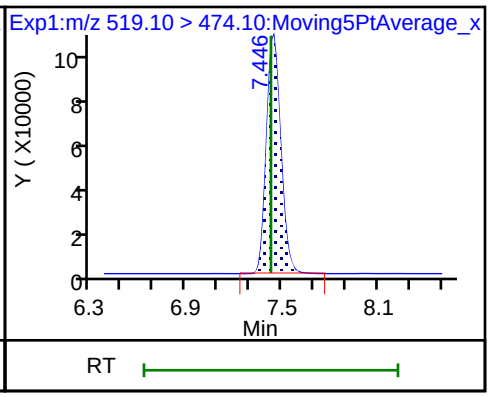
50 NMeFOSAA



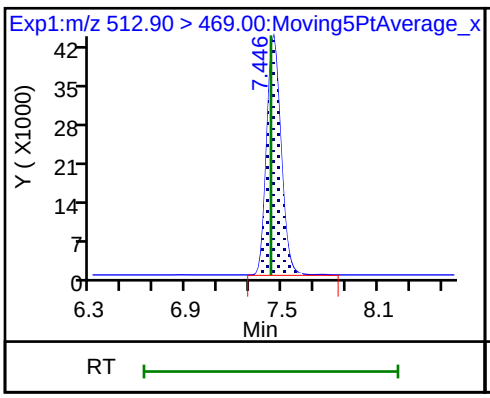
* 51 13C2 PFDA



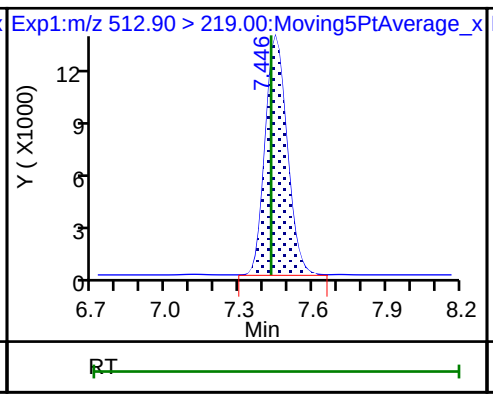
D 52 13C6 PFDA



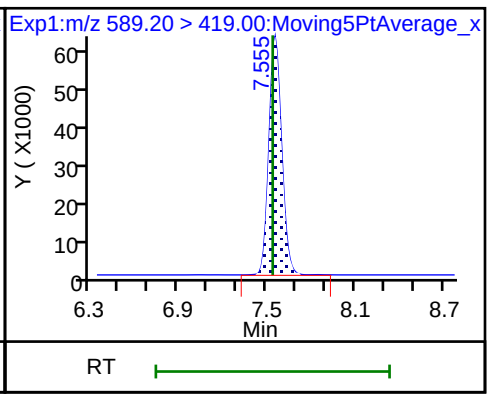
53 PFDA



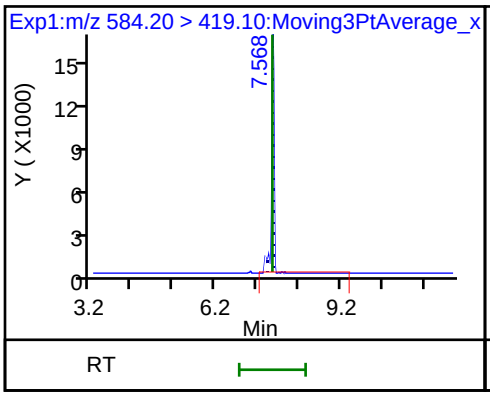
53 PFDA



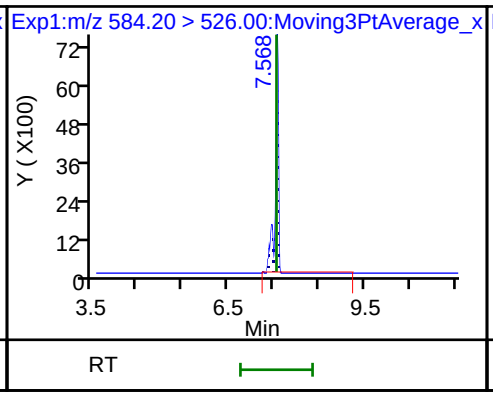
D 54 d5-NEtFOSAA



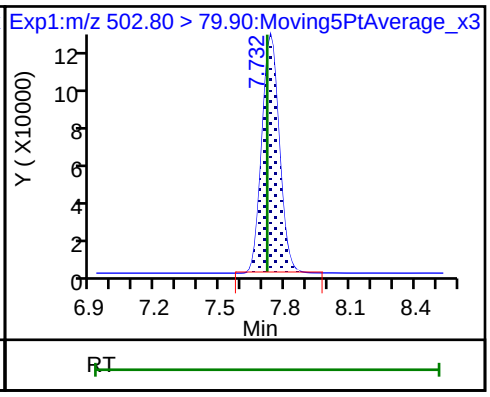
55 NEtFOSAA



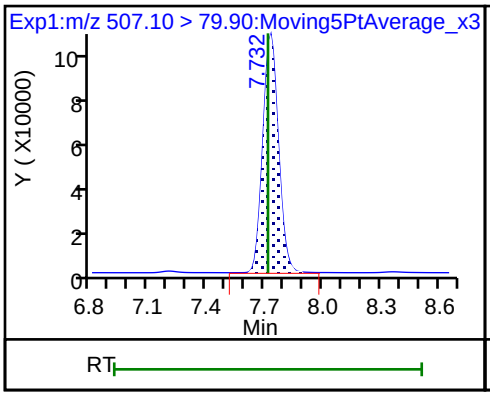
55 NEtFOSAA



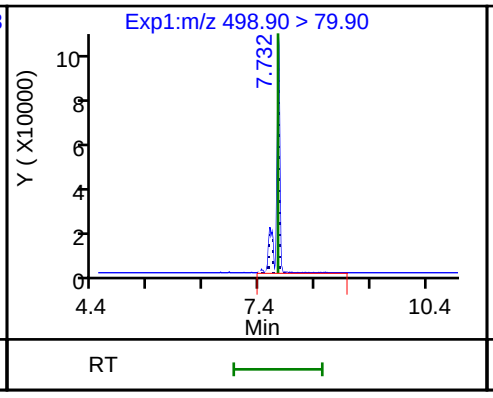
* 57 13C4 PFOS



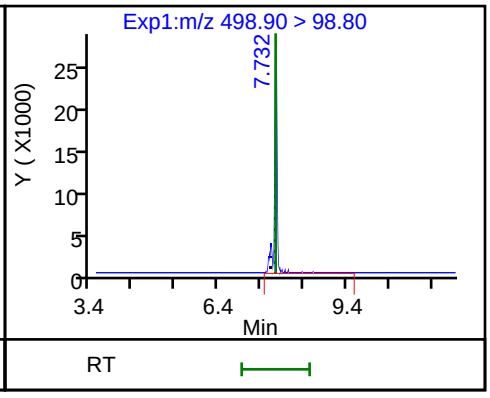
D 56 13C8 PFOS



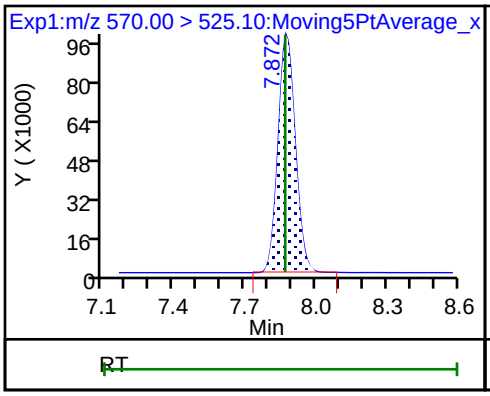
58 PFOS



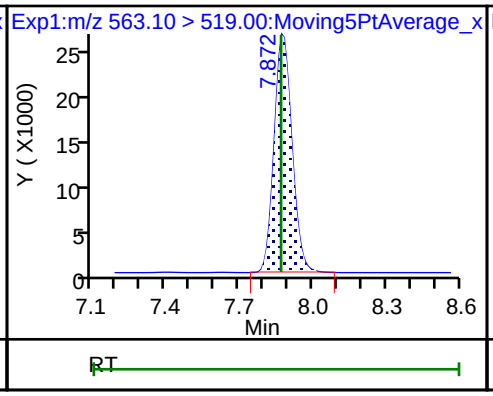
58 PFOS



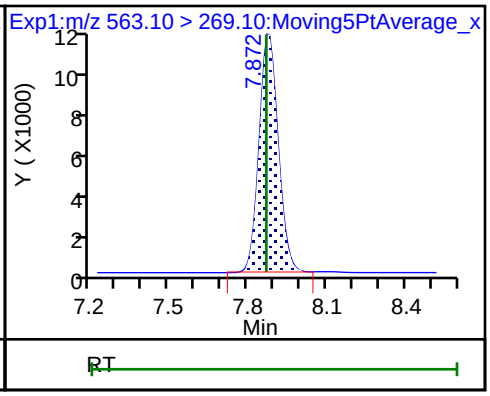
D 59 13C7 PFUnA



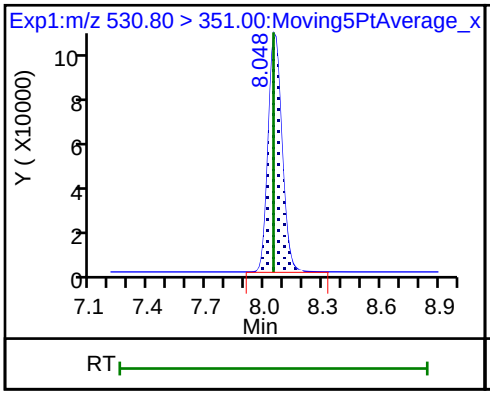
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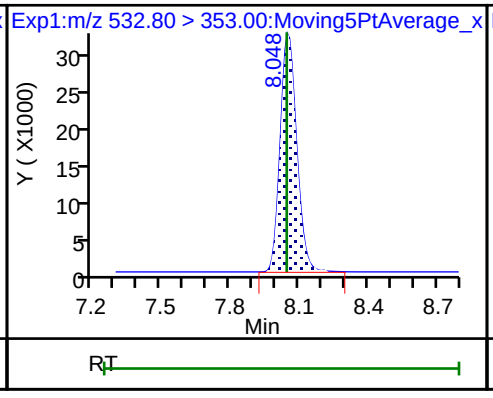
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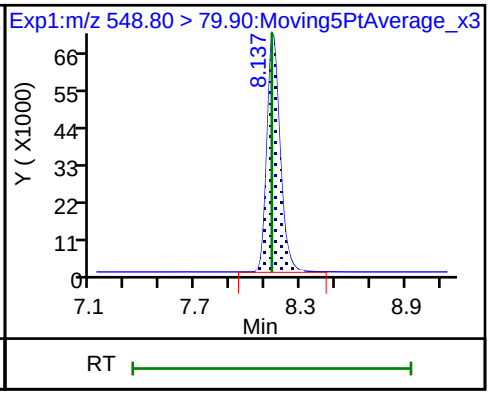
61 9ClFOS



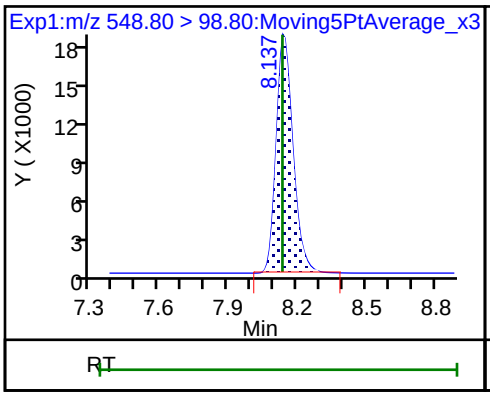
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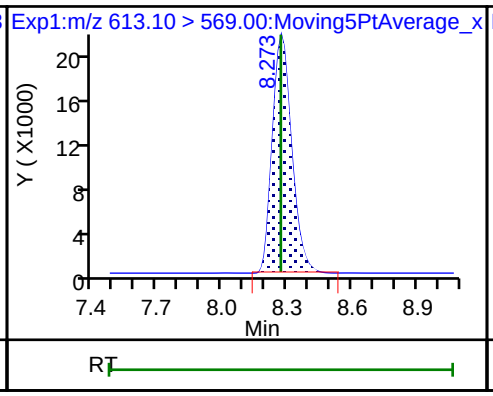
62 PFNS



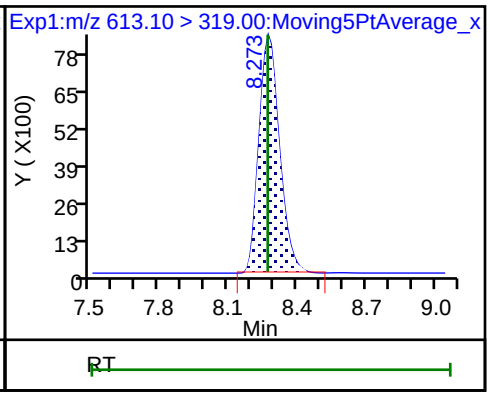
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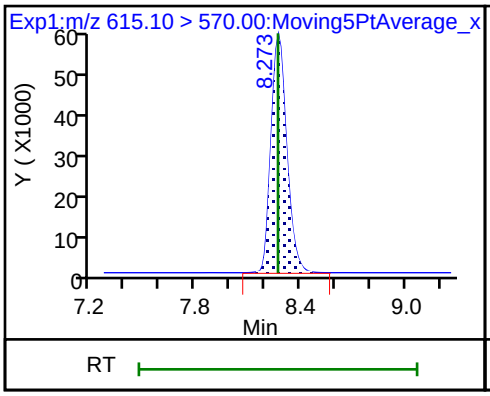
64 PFDoA



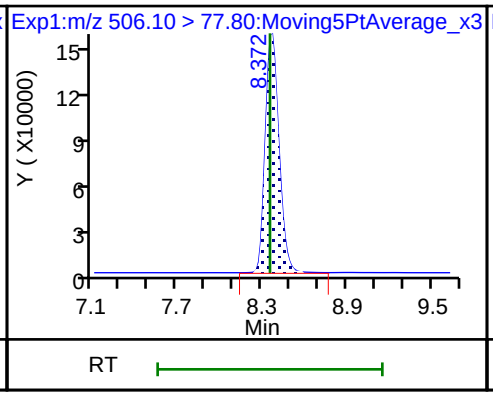
64 PFDoA



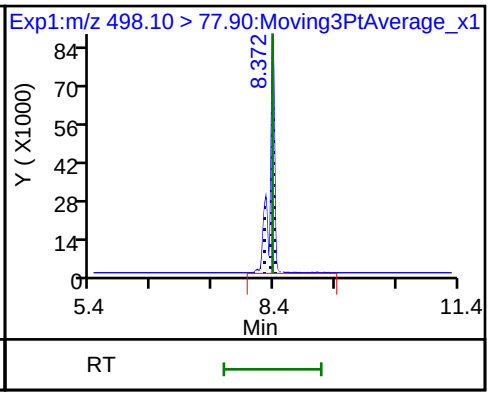
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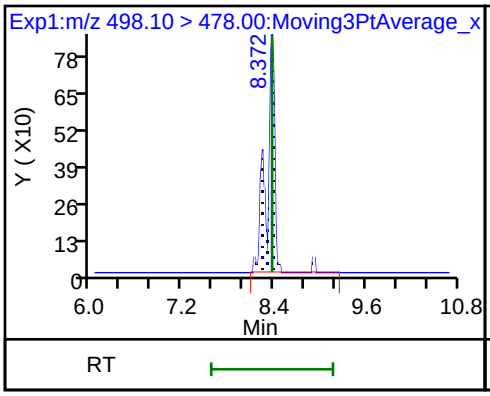
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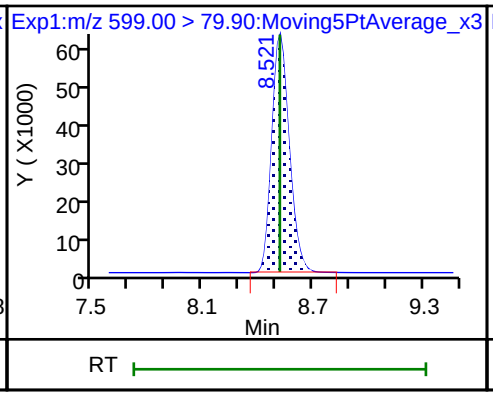
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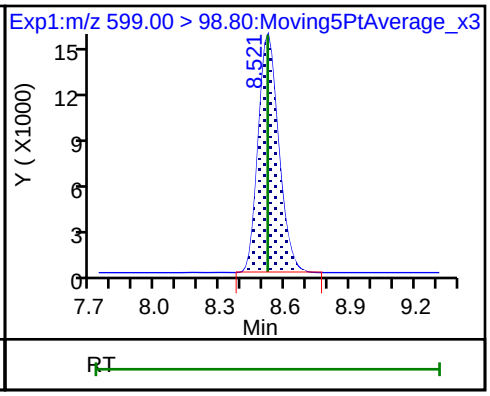
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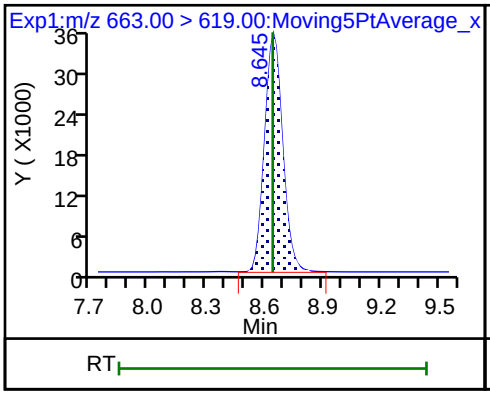
67 PFDS



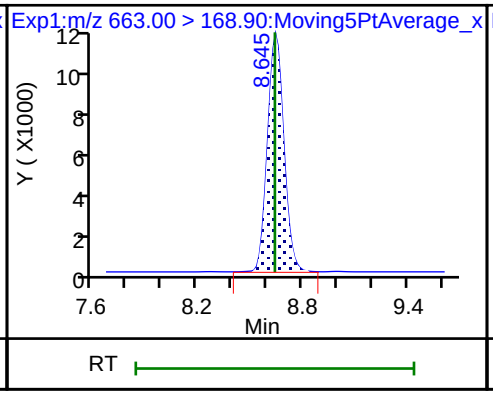
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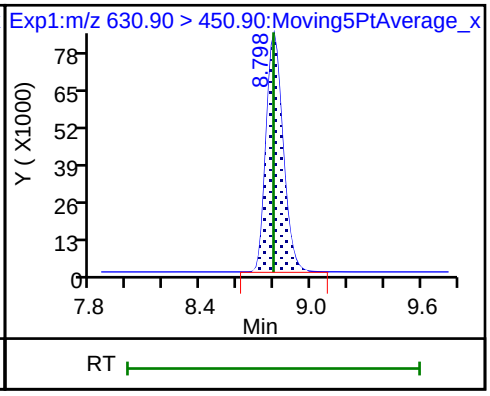
68 PFTrDA



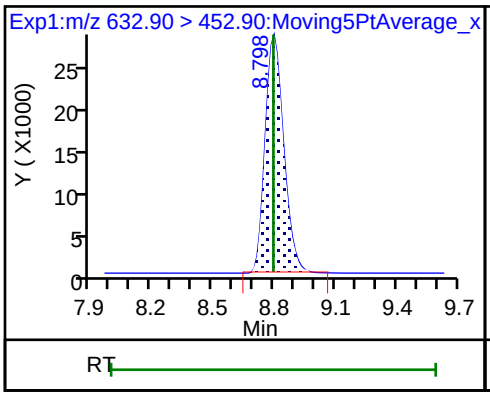
68 PFTrDA



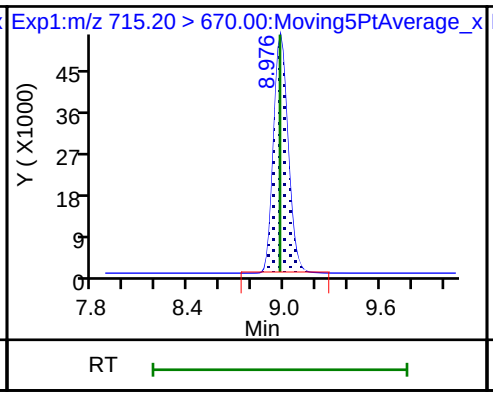
69 11ClFOS



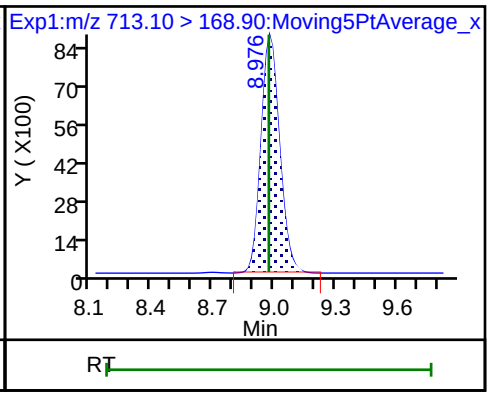
69 11ClFOS



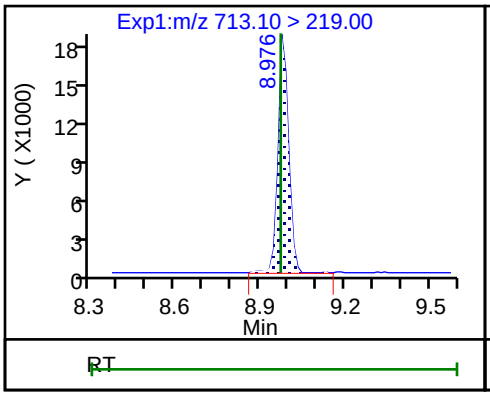
D 70 13C2 PFTeDA



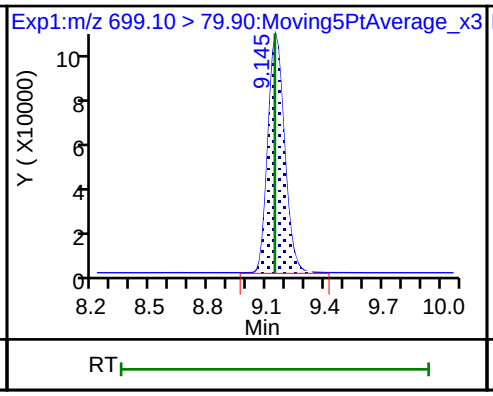
71 PFTeDA



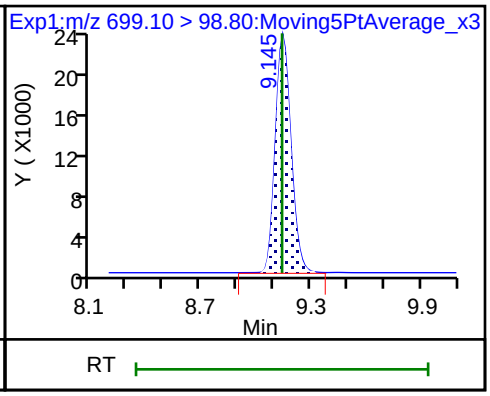
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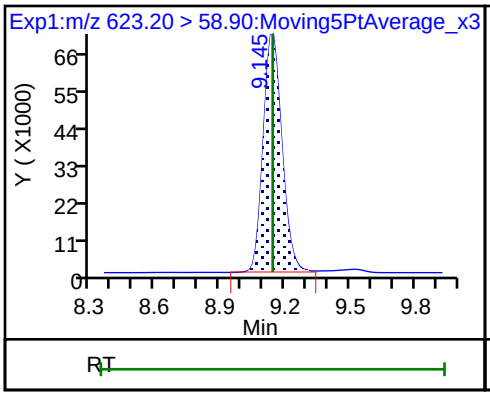
72 PFDoS



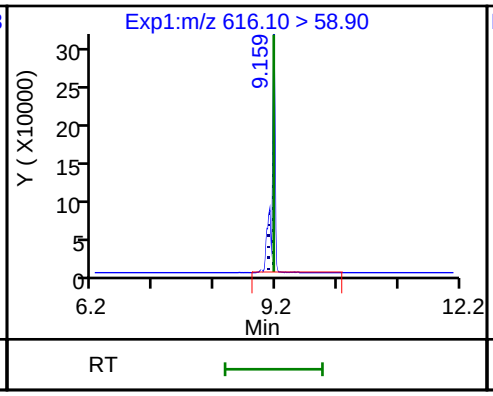
72 PFDoS



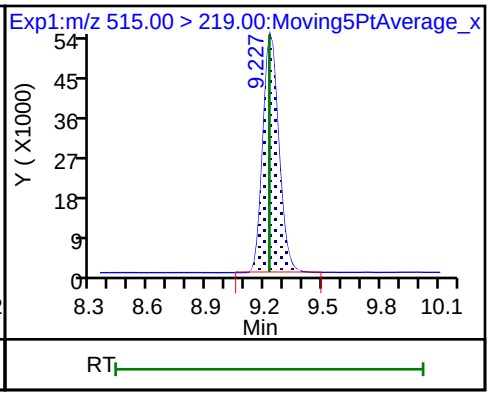
D 73 d7-N-Me-FOSE



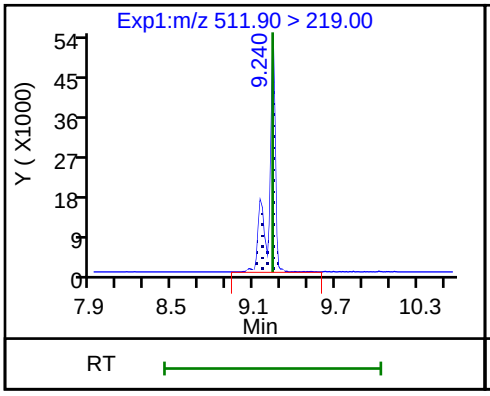
74 N-MeFOSE-M



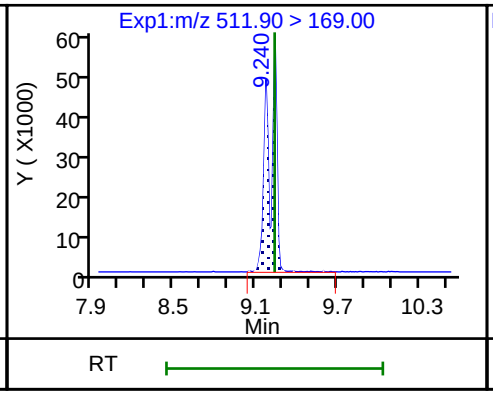
D 75 d3-NMePFOSA



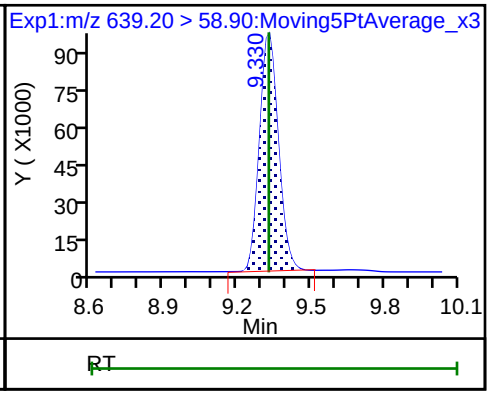
76 NMeFOSA



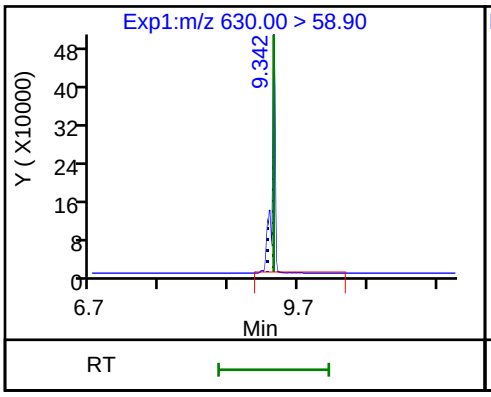
76 NMeFOSA



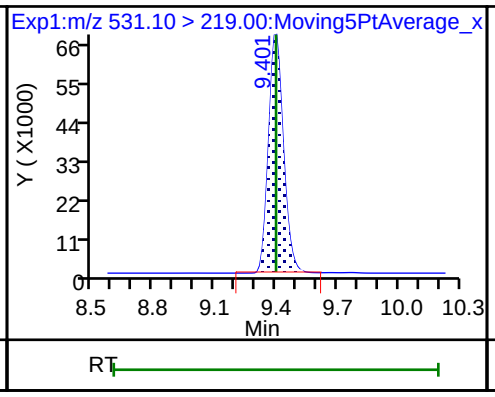
D 77 d9-N-EtFOSE



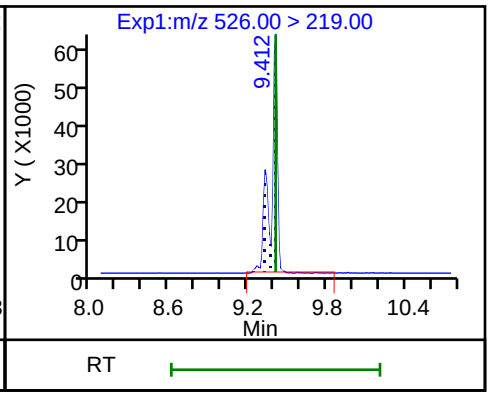
78 N-EtFOSE-M



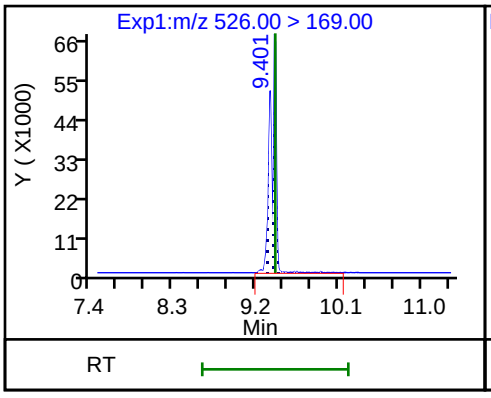
D 79 d5-NEtPFOSA



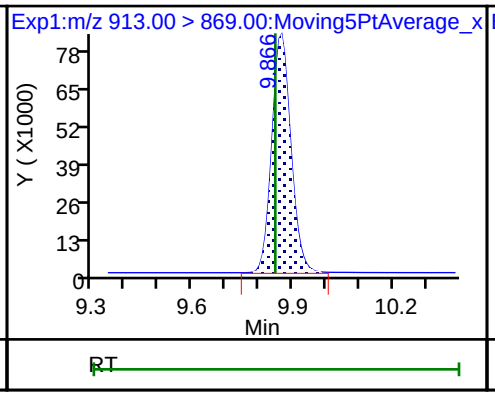
80 N-EtFOSA-M



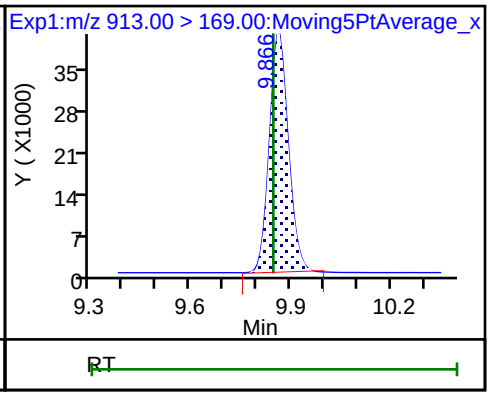
80 N-EtFOSA-M



81 Perfluorooctadecanoic acid



81 Perfluorooctadecanoic acid



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-05.d
Lims ID: ICISAV CAL 5
Client ID:
Sample Type: ICISAV Calib Level: 5
Inject. Date: 03-Mar-2025 19:21:16 ALS Bottle#: 20006 Worklist Smp#: 5
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: ICISAV CAL 5
Misc. Info.: Plate: 1 Rack: 1 410-0139703-005
Operator ID: ETUS023_USR_INS00054 Instrument ID: 30729
Sublist: chrom-30729_1633Final*sub1

Method: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\30729_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 06-Mar-2025 13:05:44 Calib Date: 03-Mar-2025 20:03:32
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-08.d

Column 1 : Det: EXP1
Process Host: CTX1635

First Level Reviewer: LDU5 Date: 03-Mar-2025 21:19:35
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
1 Perfluoropropionic acid										
163.00 > 119.00	1.885	1.885	0.0	1.000	2838556	13.2		105	31406	
D 2 13C3PFPrA										
166.00 > 121.00	1.885	1.885	0.0	0.424	389963	1.93		96.7	172	
5 PFBA										
212.80 > 168.90	4.443	4.443	0.0	1.000	1661302	5.24		105	41992	
D 3 13C4-PFBA										
216.80 > 171.90	4.443	4.443	0.0	1.000	630673	1.98		99.0	16250	
* 4 13C3PFBA										
216.00 > 172.00	4.443	4.443	0.0		721142	2.00			161	
6 PFMPA										
229.00 > 84.90	4.776	4.776	0.0	0.931	1141856	2.74		110	44353	
7 3:3 FTCA										
241.00 > 177.00	4.787	4.787	0.0	0.933	128832	5.38	Target=1.09	108	7875	
241.00 > 117.00	4.776	4.787	-0.011	0.931	120486		1.07(0.54-1.63)	108	7419	
D 9 13C5 PFPeA										
268.30 > 223.00	5.132	5.132	0.0	0.904	479185	1.93		96.6	28193	
10 PFPA										
263.00 > 219.00	5.143	5.143	0.0	1.002	1031523	2.68		107	45256	
11 PFMBA										
279.00 > 85.10	5.320	5.320	0.0	1.037	1186221	2.58		103	69957	
D 12 13C2-4:2FTS										
329.10 > 80.90	5.469	5.469	0.0	0.803	281870	4.63		98.7	12676	
13 4:2FTS										
327.10 > 307.00	5.469	5.469	0.0	1.000	441634	4.98	Target=1.32	107	26800	
327.10 > 80.90	5.469	5.469	0.0	1.000	318744		1.39(0.66-1.98)	107	18862	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
15 NFDHA										
295.00 > 201.00	5.630	5.630	0.0	0.992	655106	2.68	Target=1.24	107	38874	
295.00 > 84.90	5.630	5.630	0.0	0.992	523804		1.25(0.62-1.86)	107	31098	
D 16 13C5 PFHxA										
318.00 > 273.00	5.677	5.677	0.0	1.000	833250	2.07		103	49106	
* 17 13C2 PFHxA										
315.10 > 270.00	5.677	5.677	0.0		1735987	5.00			101539	
18 PFHxA										
313.00 > 269.00	5.677	5.677	0.0	1.000	989816	2.59	Target=10.40	103	58280	
313.00 > 118.90	5.677	5.677	0.0	1.000	91437		10.83(5.20-15.60)	103	5435	
20 5:3 FTCA										
341.00 > 237.10	5.751	5.751	0.0	1.013	929011	12.5	Target=0.91	99.8	39151	
341.00 > 217.00	5.751	5.751	0.0	1.013	1014351		0.92(0.45-1.36)	99.8	42894	
14 FBSA										
297.90 > 78.00	5.764	5.764	0.0	0.990	1182399	2.66		107	318824	
21 PFBS										
298.70 > 79.90	5.820	5.820	0.0	1.000	724193	2.38	Target=2.88	107	34804	
298.70 > 98.80	5.820	5.820	0.0	1.000	254005		2.85(1.44-4.33)	107	12310	
D 19 13C3 PFBS										
302.10 > 79.90	5.820	5.820	0.0	0.855	829080	1.83		98.3	39347	
22 HFPO-DA										
284.90 > 168.90	5.875	5.875	0.0	1.000	834391	1.99	Target=2.44	106	44691	
284.90 > 184.90	5.875	5.875	0.0	1.000	332899		2.51(1.22-3.65)	106	17643	
D 23 13C3 HFPO-DA										
286.90 > 168.90	5.875	5.875	0.0	1.035	780209	1.98		98.9	41433	
25 PFEESA										
314.80 > 134.90	6.071	6.071	0.0	1.069	2827773	2.26	Target=11.17	101	141677	
314.80 > 82.90	6.071	6.071	0.0	1.069	258843		10.92(5.59-16.75)	101	13026	
D 27 13C4 PFHpA										
367.10 > 322.00	6.124	6.124	0.0	1.079	776847	2.00		99.9	44347	
28 PFHpA										
363.10 > 319.00	6.124	6.124	0.0	1.000	967374	2.76	Target=2.26	110	54478	
363.10 > 169.00	6.124	6.124	0.0	1.000	433273		2.23(1.13-3.39)	110	24435	
29 ADONA										
376.90 > 250.90	6.299	6.299	0.0	1.072	2436761	2.44	Target=1.59	103	11035	
376.90 > 84.80	6.299	6.299	0.0	1.072	1525272		1.60(0.79-2.38)	103	74300	
32 6:2FTS										
427.10 > 407.00	6.341	6.341	0.0	1.000	337404	4.92	Target=1.07	104	22595	
427.10 > 80.90	6.341	6.341	0.0	1.000	299817		1.13(0.53-1.60)	104	19853	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.341	6.341	0.0	0.931	271900	4.52		95.0	18152	
30 PFPeS										
349.10 > 79.90	6.341	6.341	0.0	0.931	997814	2.27	Target=3.47	96.5	61238	
349.10 > 98.90	6.341	6.341	0.0	0.931	287602		3.47(1.73-5.20)	96.5	17527	
33 BTS										M
280.00 > 147.00	6.528	6.528	0.0	0.959	2679785	2.47		101	62161	M
D 34 13C8 PFOA										
421.10 > 376.00	6.568	6.568	0.0	1.000	806991	1.98		98.9	54553	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 40 13C4 PFOA										
417.10 > 372.00	6.568	6.568	0.0		2116665	5.00			86090	
35 PFOA										
413.00 > 369.00	6.568	6.568	0.0	1.000	808261	2.68	Target=1.66	107	1589	
413.00 > 169.00	6.568	6.568	0.0	1.000	477294		1.69(0.83-2.49)	107	399	
36 7:3 FTCA										
441.00 > 316.90	6.616	6.616	0.0	1.165	985078	13.2	Target=0.90	105	61627	
441.00 > 336.90	6.616	6.616	0.0	1.165	1062325		0.93(0.45-1.34)	105	66918	
* 38 18O2 PFHxS										
403.00 > 83.90	6.810	6.810	0.0		696209	1.89			40670	
D 37 13C3 PFHxS										
402.10 > 79.90	6.810	6.810	0.0	1.000	699974	1.94		102	40582	
39 PFHxS										
398.70 > 79.90	6.821	6.821	0.0	1.002	573354	2.31	Target=3.28	101	4306	
398.70 > 98.90	6.821	6.821	0.0	1.002	169112		3.39(1.64-4.92)	101	1379	
D 41 13C9 PFNA										
472.10 > 427.00	6.990	6.990	0.0	1.000	641533	1.95		97.6	37757	
* 42 13C5 PFNA										
468.00 > 423.00	6.990	6.990	0.0		670403	2.00			39353	
43 PFNA										
463.00 > 419.00	7.002	7.002	0.0	1.002	758283	2.78	Target=2.26	111	4588	
463.00 > 219.00	7.002	7.002	0.0	1.002	360683		2.10(1.13-3.38)	111	3006	
D 45 13C2-8:2FTS										
529.10 > 80.90	7.182	7.182	0.0	1.055	306317	4.75		98.9	18265	
46 8:2FTS										
527.10 > 507.00	7.182	7.182	0.0	1.000	232008	4.87	Target=0.73	102	13968	
527.10 > 80.80	7.182	7.182	0.0	1.000	324110		0.72(0.36-1.09)	102	19289	
48 FHxSA										
397.90 > 78.00	7.193	7.193	0.0	1.056	1266034	2.43		97.4	52201	
44 PFECHS										a
461.00 > 381.00	7.229	7.229	0.0	1.062	240791	2.40	Target=0.24	104	268	a
461.00 > 99.00	7.229	7.229	0.0	1.062	1093963		0.22(0.12-0.35)	104	547	
47 PFHpS										
449.00 > 79.90	7.265	7.265	0.0	0.942	1030907	2.54	Target=3.81	107	57334	
449.00 > 98.80	7.265	7.265	0.0	0.942	289816		3.56(1.91-5.72)	107	16068	
D 49 d3-NMeFOSAA										
573.20 > 419.00	7.346	7.346	0.0	0.952	424487	4.67		93.4	22896	
50 NMeFOSAA										
570.10 > 419.00	7.360	7.360	0.0	1.002	270630	2.68	Target=2.23	107	65266	
570.10 > 483.00	7.360	7.360	0.0	1.002	142122		1.90(1.12-3.35)	107	435	
* 51 13C2 PFDA										
515.10 > 470.10	7.428	7.428	0.0		631671	2.00			33573	
D 52 13C6 PFDA										
519.10 > 474.10	7.428	7.428	0.0	1.000	641099	1.97		98.7	34167	
53 PFDA										
512.90 > 469.00	7.428	7.428	0.0	1.000	601935	2.55	Target=2.91	102	31800	
512.90 > 219.00	7.428	7.428	0.0	1.000	200785		3.00(1.46-4.37)	102	10578	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.538	7.538	0.0	0.977	374554	4.71		94.1	20333	
55 NEtFOSAA										
584.20 > 419.10	7.551	7.551	0.0	1.002	174212	2.66	Target=1.98	107	173	
584.20 > 526.00	7.551	7.551	0.0	1.002	86573		2.01(0.99-2.97)	107	479	
* 57 13C4 PFOS										
502.80 > 79.90	7.717	7.717	0.0		673277	1.91			29791	
D 56 13C8 PFOS										
507.10 > 79.90	7.717	7.717	0.0	1.000	594484	1.84		96.5	8136	
58 PFOS										
498.90 > 79.90	7.729	7.729	0.0	1.002	1144409	2.46	Target=4.40	106	1798	
498.90 > 98.80	7.740	7.729	0.011	1.003	253078		4.52(2.20-6.59)	106	398	
D 59 13C7 PFUnA										
570.00 > 525.10	7.869	7.869	0.0	1.059	517816	2.01		100	33867	
60 PFUnA										
563.10 > 519.00	7.869	7.869	0.0	1.000	359490	2.57	Target=2.30	103	23688	
563.10 > 269.10	7.869	7.869	0.0	1.000	149303		2.41(1.15-3.45)	103	9759	
61 9ClFOS										
530.80 > 351.00	8.045	8.045	0.0	1.369	1368267	2.43	Target=3.09	104	93196	
532.80 > 353.00	8.045	8.045	0.0	1.369	416949		3.28(1.54-4.63)	104	27946	
62 PFNS										
548.80 > 79.90	8.135	8.135	0.0	1.054	944409	2.45	Target=3.74	102	61769	
548.80 > 98.80	8.135	8.135	0.0	1.054	271828		3.47(1.87-5.61)	102	17974	
64 PFDoA										
613.10 > 569.00	8.271	8.271	0.0		404695	2.79	Target=2.66	112	21680	
613.10 > 319.00	8.271	8.271	0.0		139827		2.89(1.33-4.00)	112	7468	
D 63 PFDoA										
615.10 > 570.00	8.271	8.271	0.0	1.113	368363	1.95		97.7	19577	
D 66 13C8 FOSA										
506.10 > 77.80	8.354	8.354	0.0	1.083	1018310	1.90		95.2	30341	
65 PFOSA										
498.10 > 77.90	8.369	8.369	0.0	1.002	1216793	2.61	Target=73.16	104	4799	
498.10 > 478.00	8.369	8.369	0.0	1.002	16455		73.95(36.58-109.75)	104	2609	
67 PFDS										
599.00 > 79.90	8.519	8.519	0.0	1.104	1031258	2.46	Target=4.05	102	51355	
599.00 > 98.80	8.504	8.519	-0.015	1.102	260885		3.95(2.03-6.08)	102	13064	
68 PFTrDA										
663.00 > 619.00	8.641	8.641	0.0	0.963	655948	2.79	Target=3.35	112	33794	
663.00 > 168.90	8.641	8.641	0.0	0.963	186895		3.51(1.67-5.02)	112	9512	
69 11ClFOS										
630.90 > 450.90	8.795	8.795	0.0	1.497	1405277	2.41	Target=2.94	102	73308	
632.90 > 452.90	8.795	8.795	0.0	1.497	460897		3.05(1.47-4.42)	102	23978	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.972	8.972	0.0	1.208	320817	1.91		95.3	16752	
71 PFTeDA										
713.10 > 168.90	8.972	8.972	0.0	1.000	145096	2.74	Target=1.12	110	7617	
713.10 > 219.00	8.972	8.972	0.0	1.000	135516		1.07(0.56-1.68)	110	508	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
72 PFDoS										
699.10 > 79.90	9.142	9.142	0.0	1.185	1633721	2.69	Target=4.47	111	68534	
699.10 > 98.80	9.142	9.142	0.0	1.185	364822		4.48(2.24-6.71)	111	20453	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.142	9.142	0.0	1.185	426558	4.76		95.1	6428	
74 N-MeFOSE-M										
616.10 > 58.90	9.156	9.156	0.0	1.002	2984493	13.2		106	9360	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.224	9.224	0.0	1.195	334132	2.02		101	9731	
76 NMeFOSA										
511.90 > 219.00	9.237	9.237	0.0	1.001	453710	2.54	Target=0.69	102	2449	
511.90 > 169.00	9.237	9.237	0.0	1.001	655100		0.69(0.34-1.03)	102	157442	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.327	9.327	0.0	1.209	531703	4.86		97.2	8276	
78 N-EtFOSE-M										
630.00 > 58.90	9.339	9.339	0.0	1.001	4278708	12.9		103	11773	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.398	9.398	0.0	1.218	355863	1.93		96.6	17688	
80 N-EtFOSA-M										
526.00 > 219.00	9.409	9.409	0.0	1.001	545394	2.55	Target=0.78	102	84465	
526.00 > 169.00	9.409	9.409	0.0	1.001	728217		0.75(0.39-1.16)	102	187595	
81 Perfluorooctadecanoic acid										
913.00 > 869.00	9.847	9.847	0.0	1.097	936908	2.77	Target=2.08	111	39565	
913.00 > 169.00	9.847	9.847	0.0	1.097	448970		2.09(1.04-3.12)	111	22574	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

1633_125_CAL5_00019 Amount Added: 1.00 Units: mL

Report Date: 06-Mar-2025 13:05:45 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-05.d

Injection Date: 03-Mar-2025 19:21:16 Instrument ID: 30729

Lims ID: ICISAV CAL 5

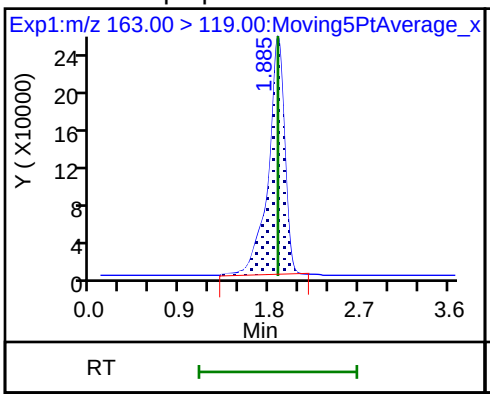
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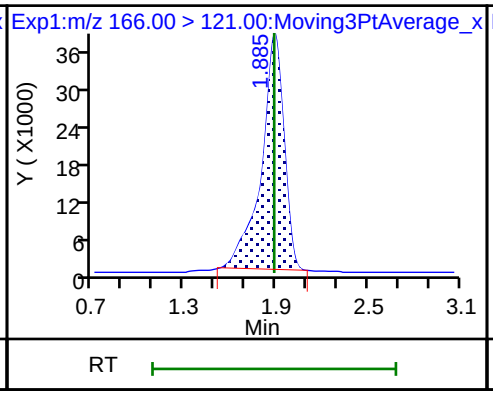
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Method: 30729_1633Final Limit Group: LC - 1633 LVI- ICAL

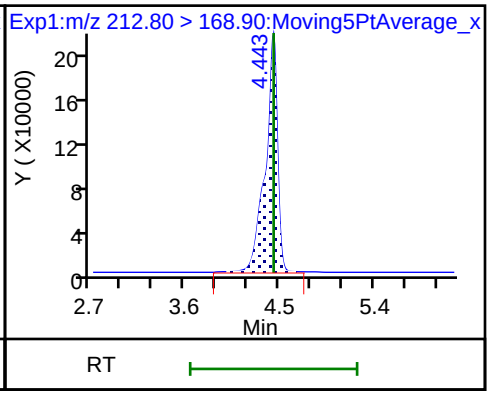
1 Perfluoropropionic acid



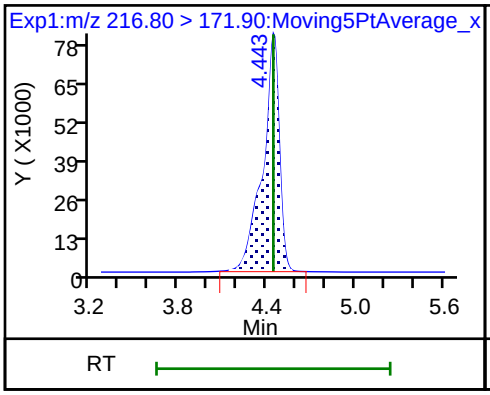
D 2 13C3PFPrA



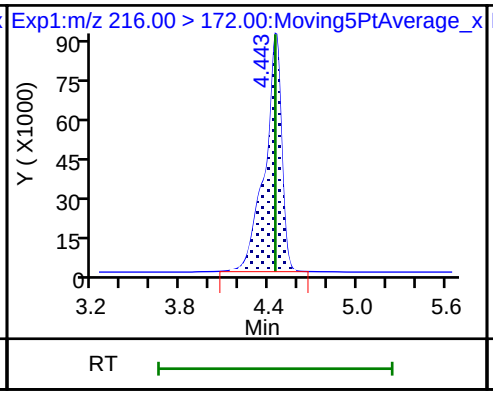
5 PFBA



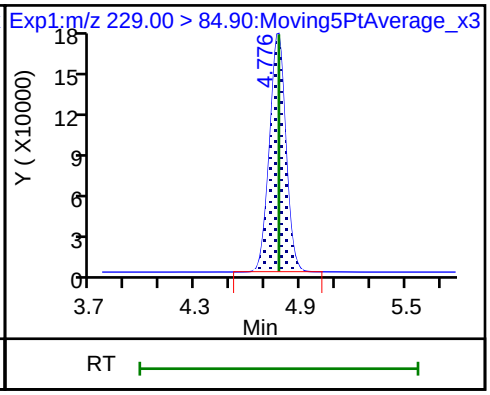
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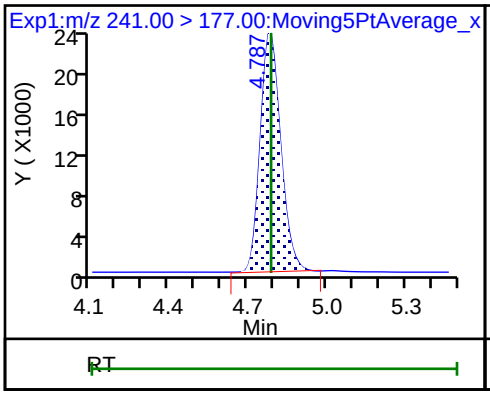
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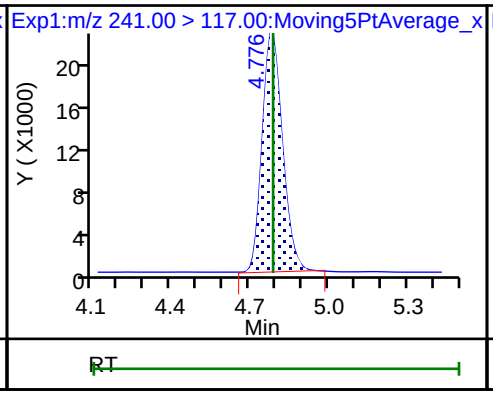
6 PFMPA



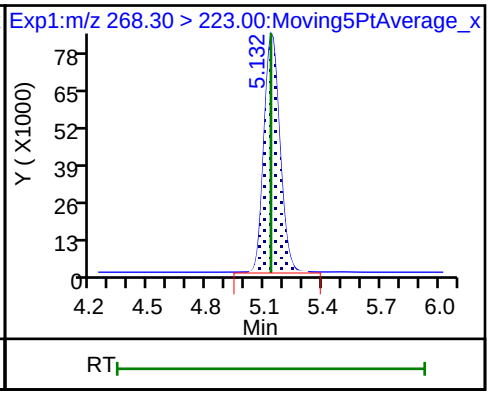
7 3:3 FTCA



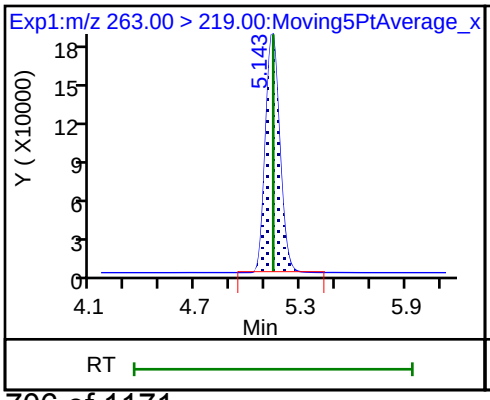
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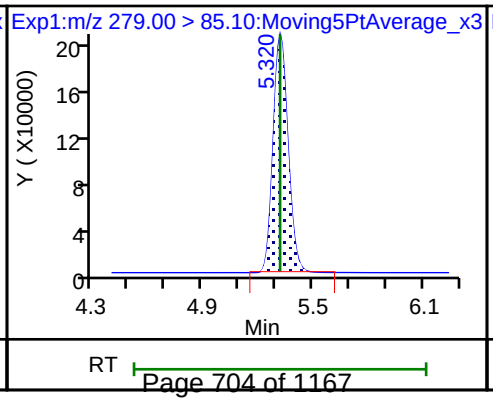
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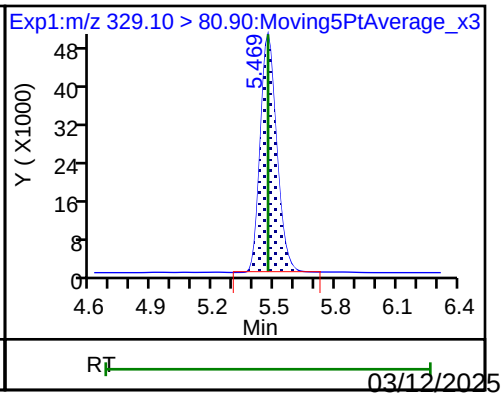
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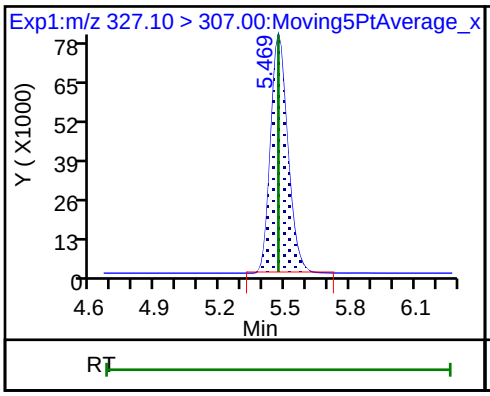
11 PFMBA



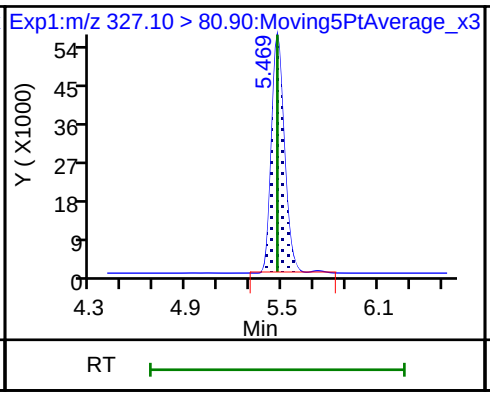
D 12 13C2-4:2FTS



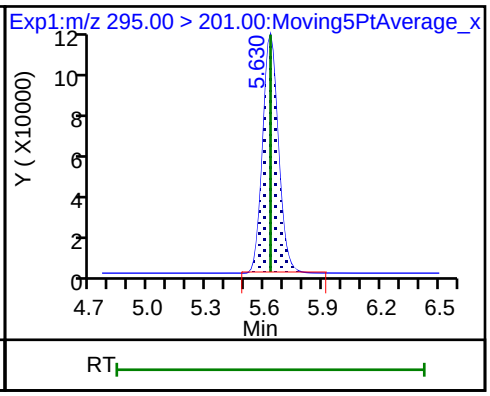
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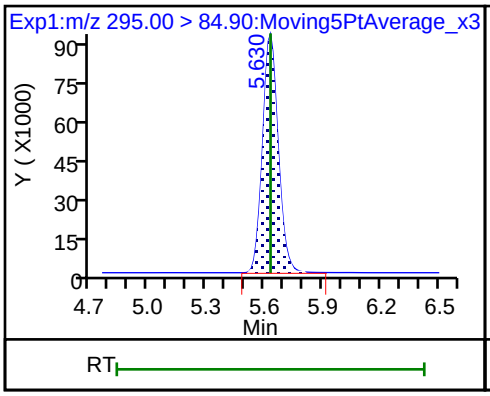
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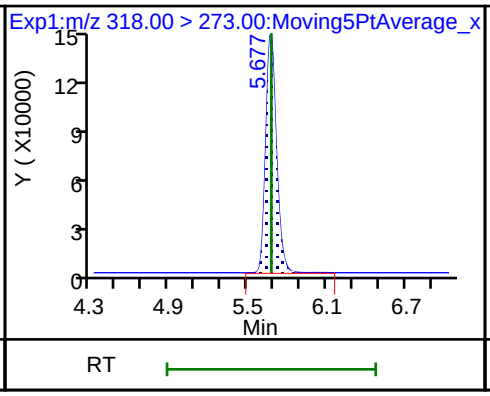
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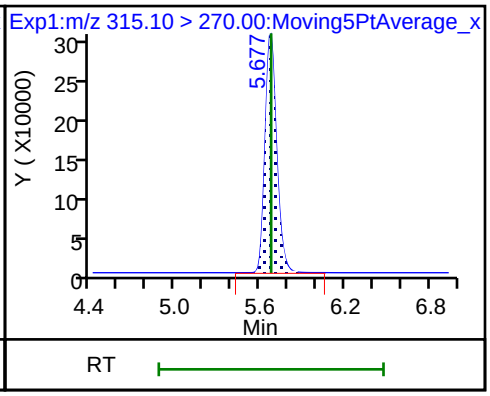
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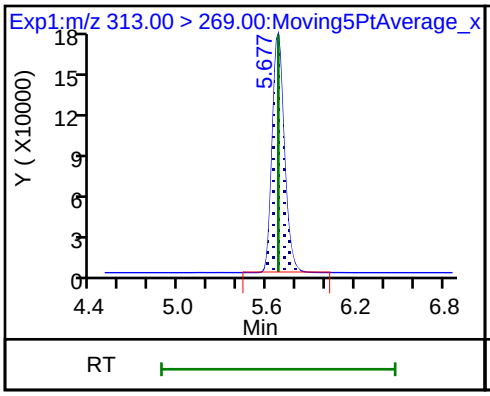
D 16 13C5 PFHxA



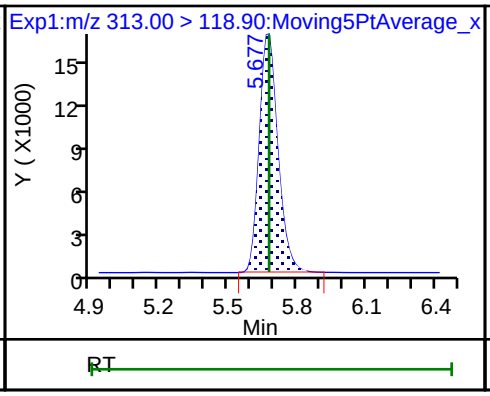
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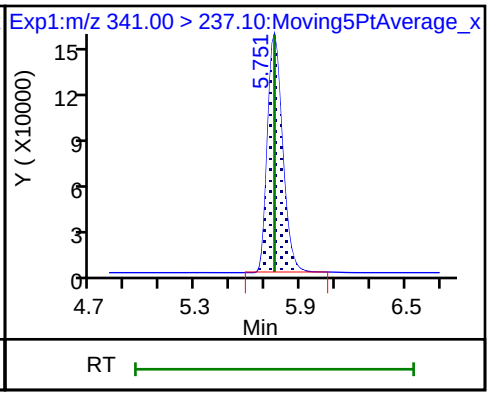
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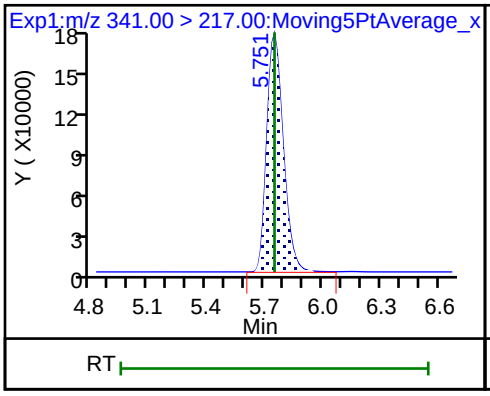
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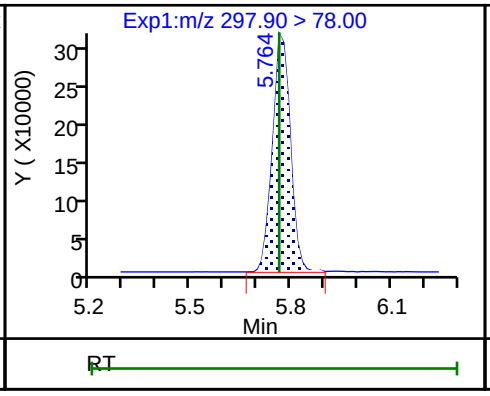
20 5:3 FTCA



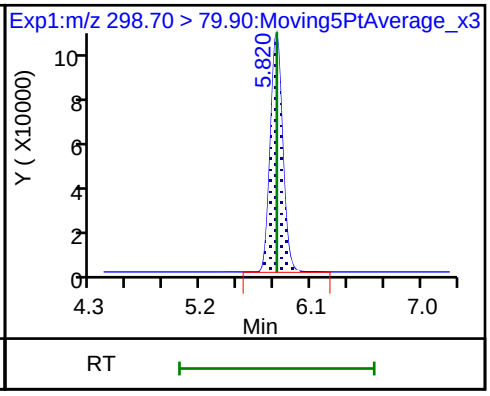
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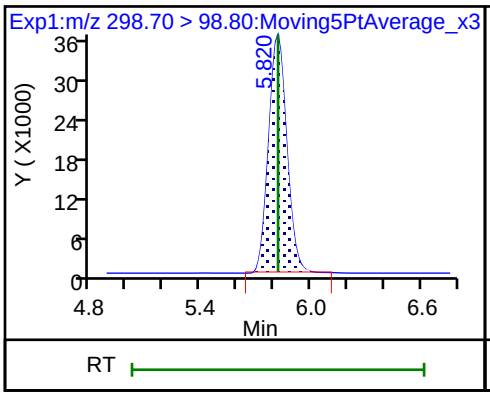
14 FBSA



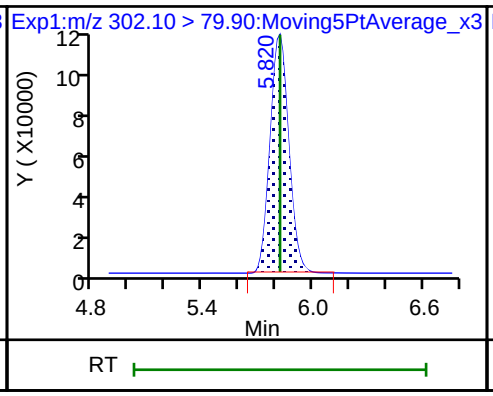
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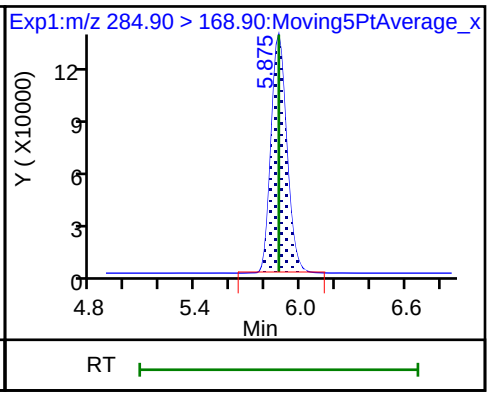
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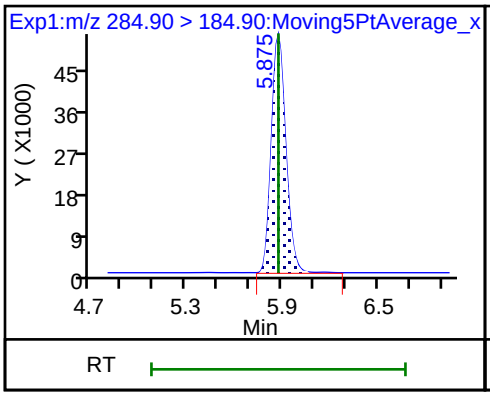
D 19 13C3 PFBS



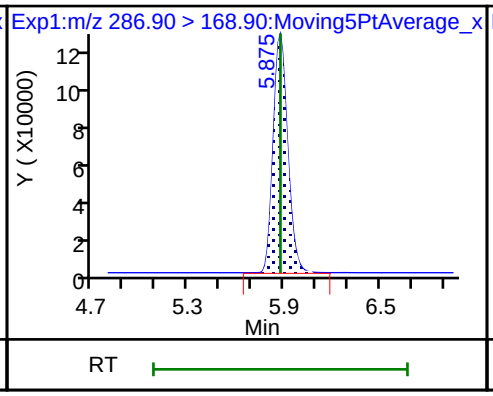
22 HFPO-DA



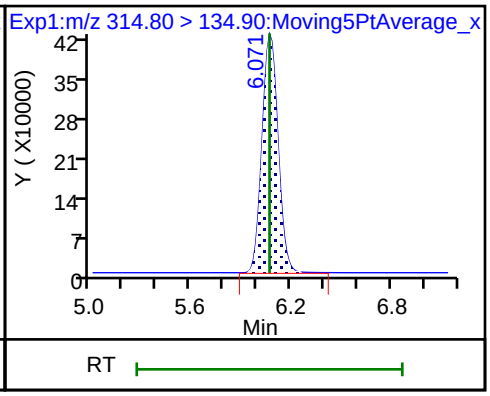
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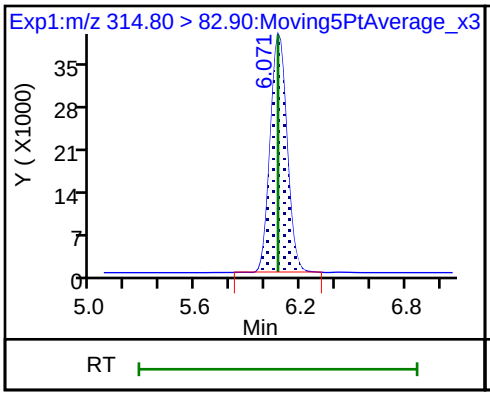
D 23 13C3 HFPO-DA



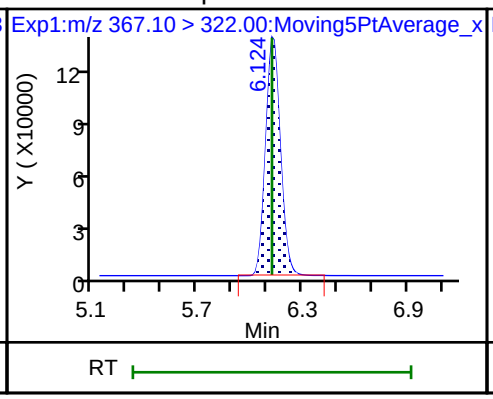
25 PFEESA



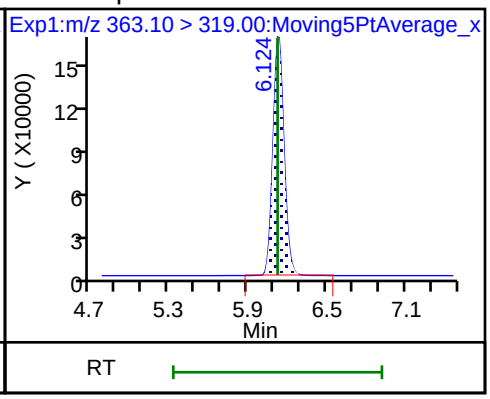
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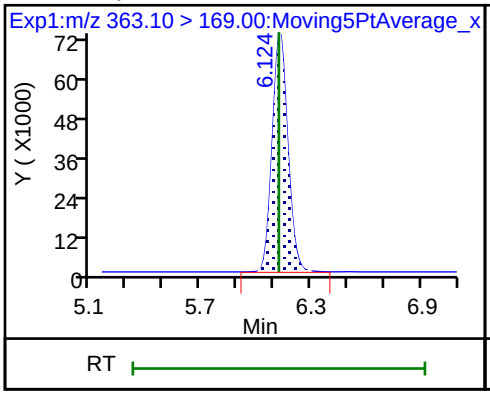
D 27 13C4 PFHpA



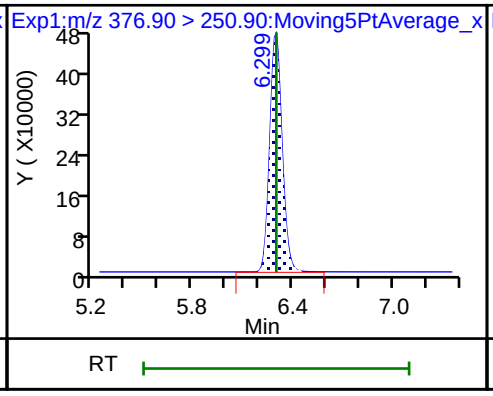
28 PFHpA



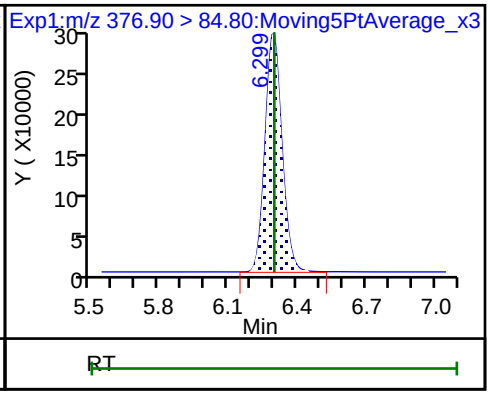
28 PFHpA



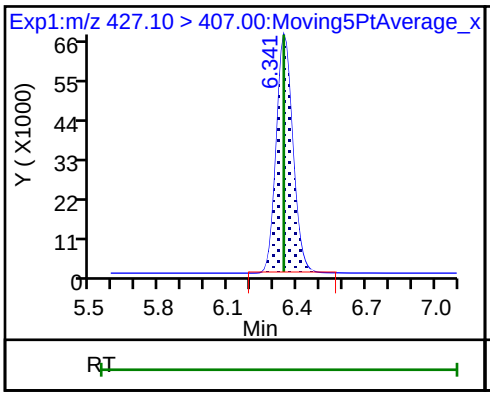
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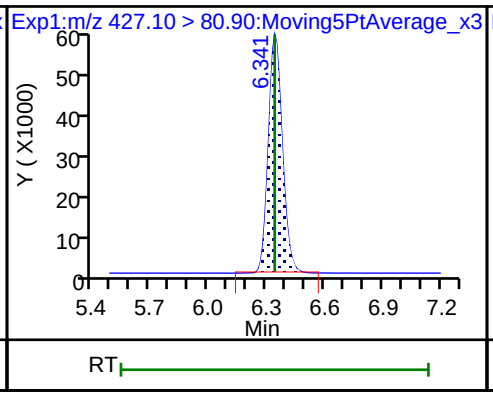
29 ADONA



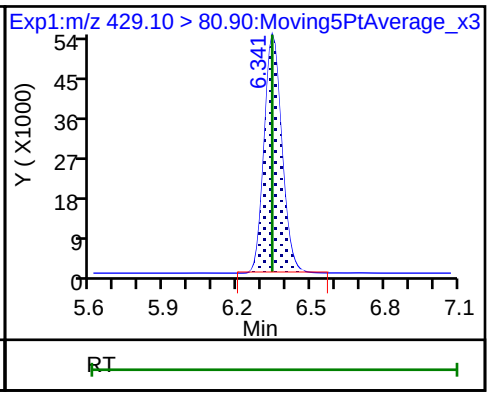
32 6:2FTS



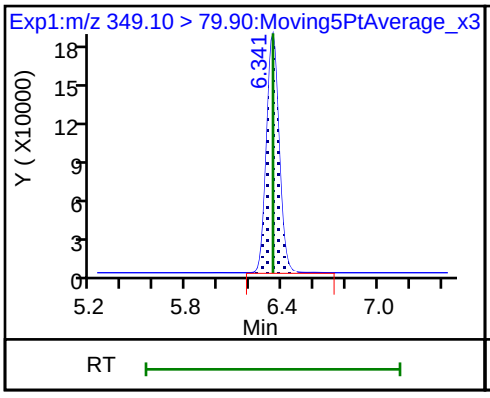
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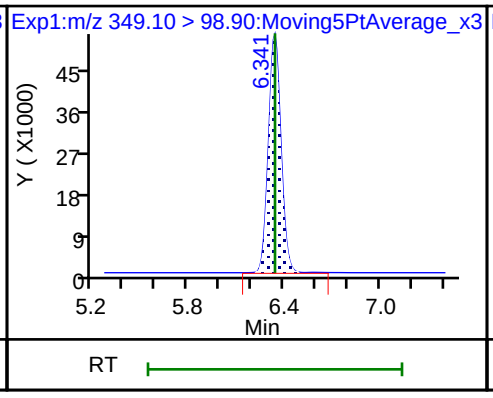
D 31 13C2-6:2FTS



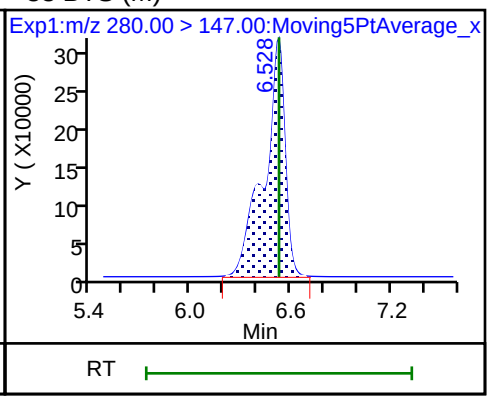
30 PFPeS



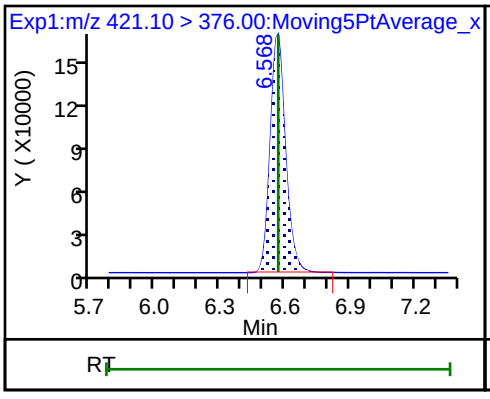
30 PFPeS



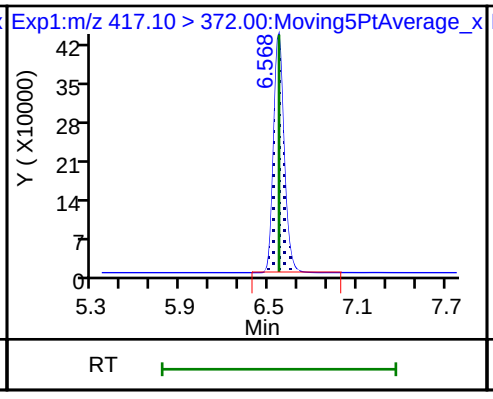
33 BTS (M)



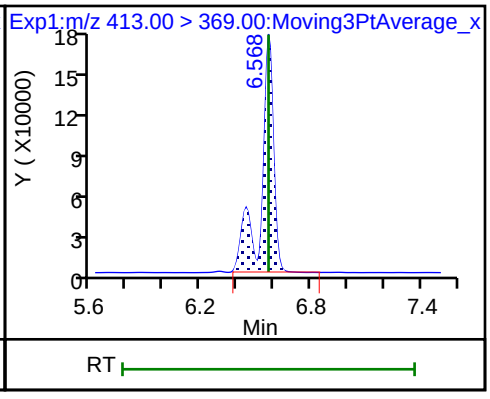
D 34 13C8 PFOA



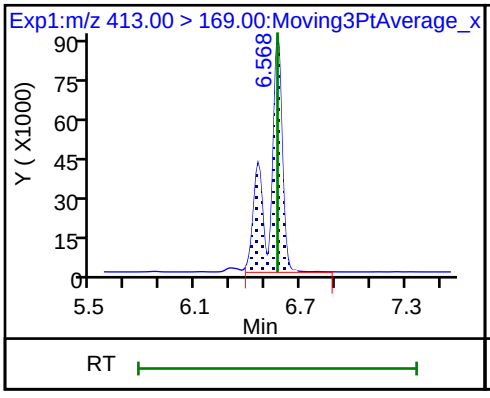
* 40 13C4 PFOA



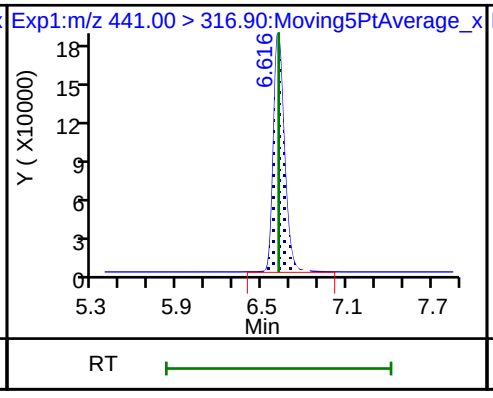
35 PFOA



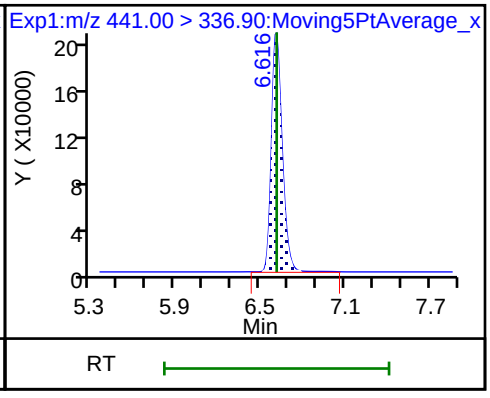
35 PFOA



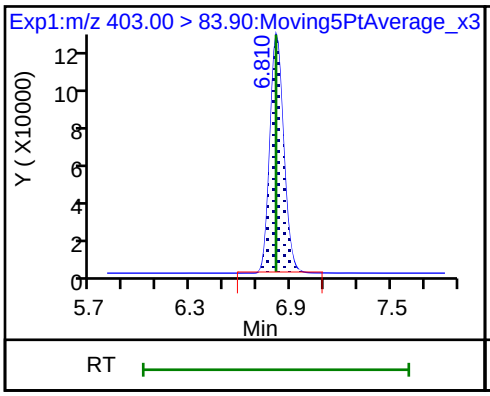
36 7:3 FTCA



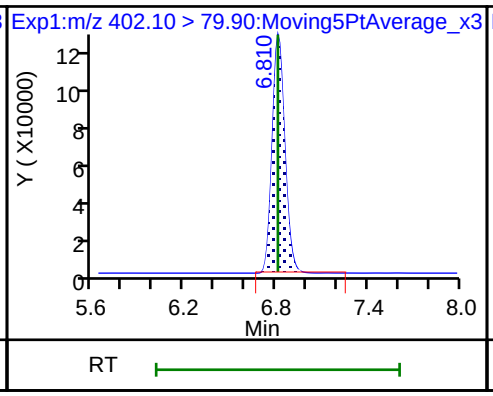
36 7:3 FTCA



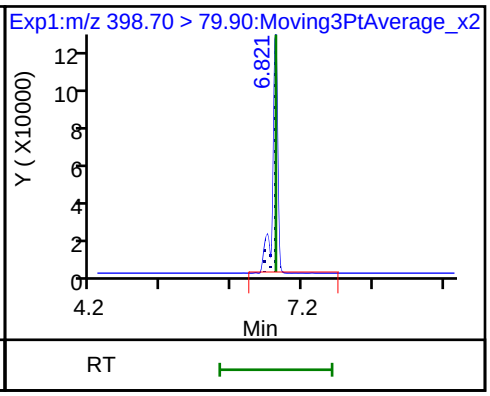
* 38 18O2 PFHxS



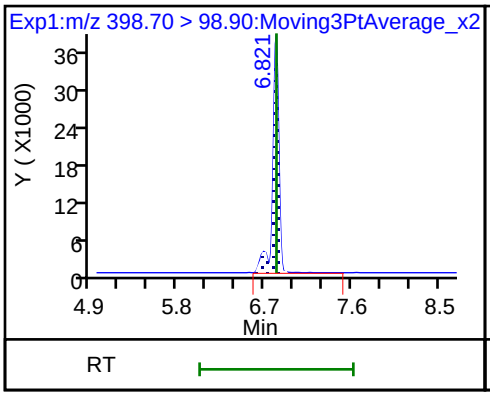
D 37 13C3 PFHxS



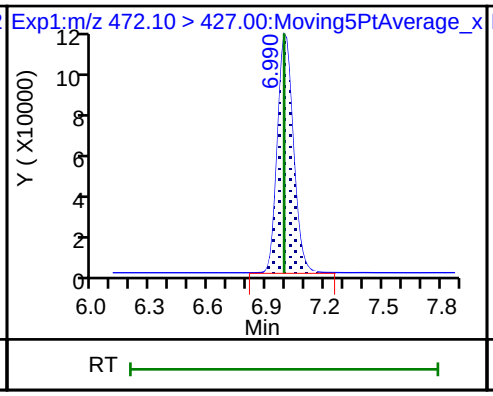
39 PFHxS



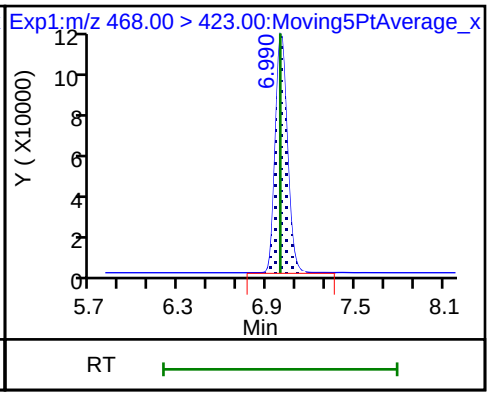
39 PFHxS



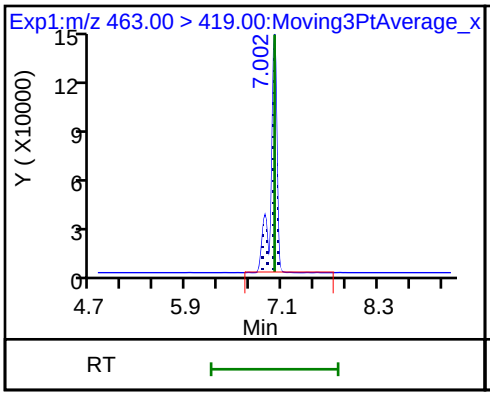
D 41 13C9 PFNA



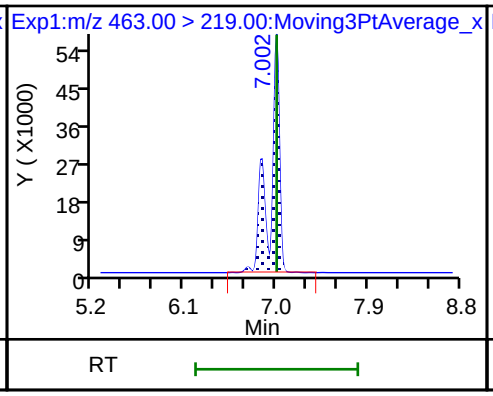
* 42 13C5 PFNA



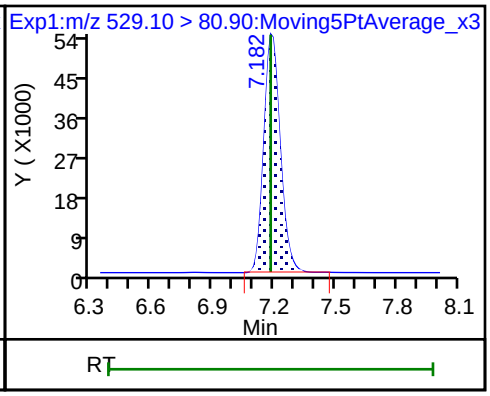
43 PFNA



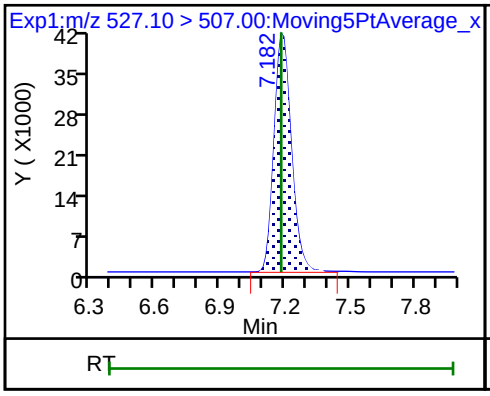
43 PFNA



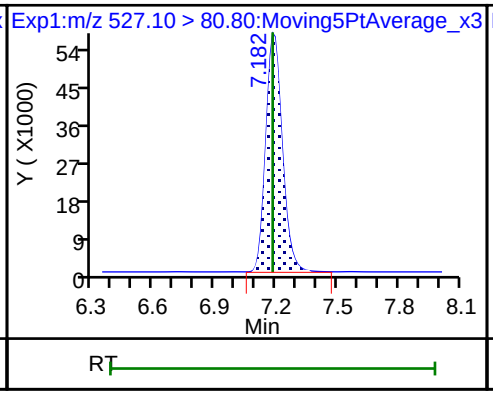
D 45 13C2-8:2FTS



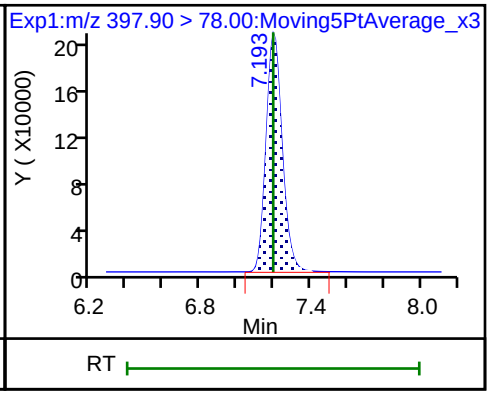
46 8:2FTS



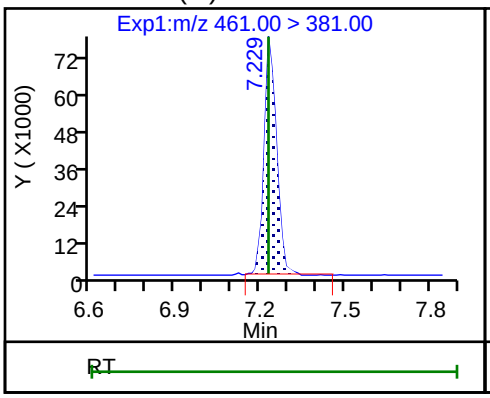
46 8:2FTS



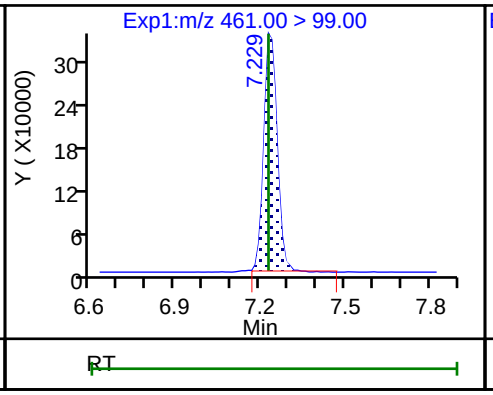
48 FHxSA



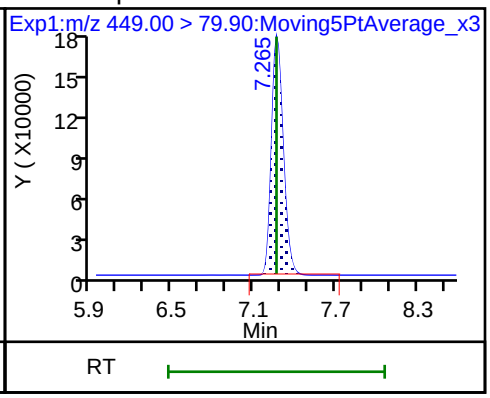
44 PFECHS (M)



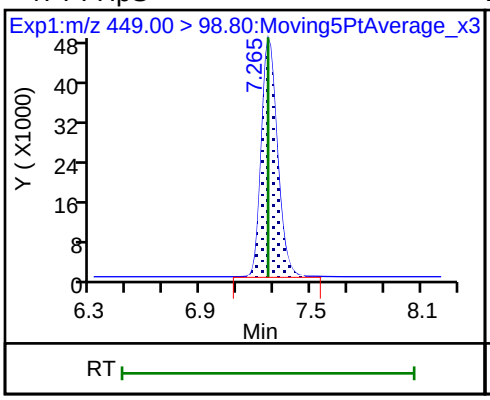
44 PFECHS



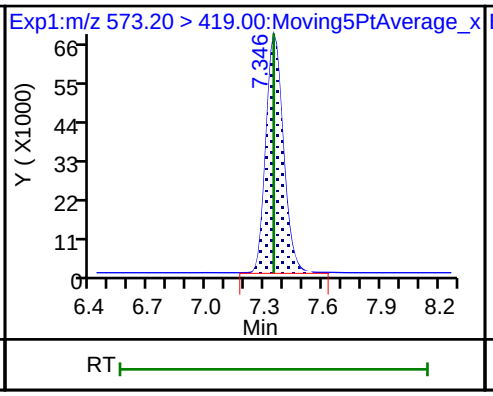
47 PFHpS



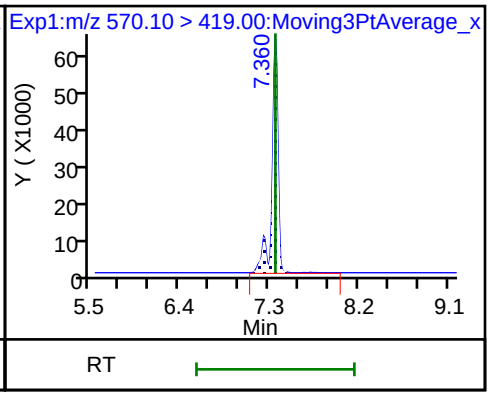
47 PFHpS



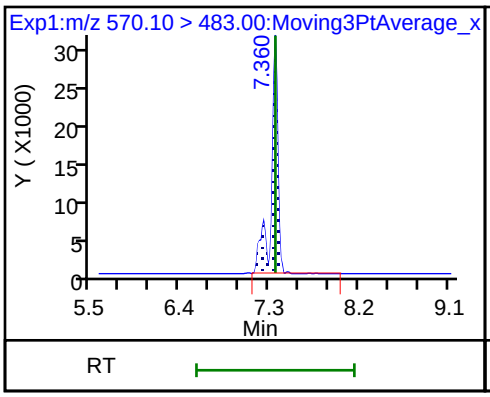
D 49 d3-NMeFOSAA



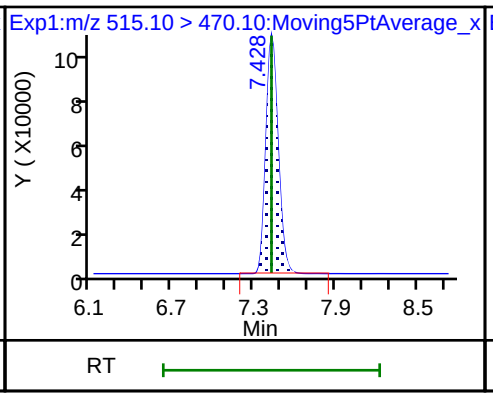
50 NMeFOSAA



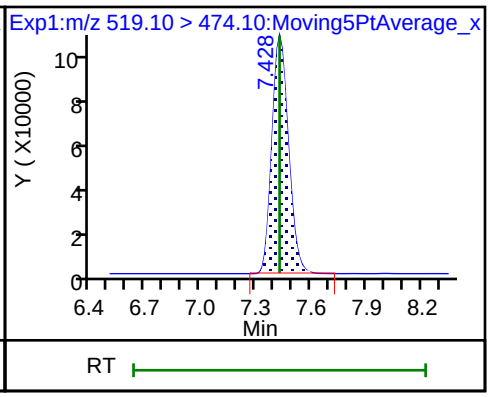
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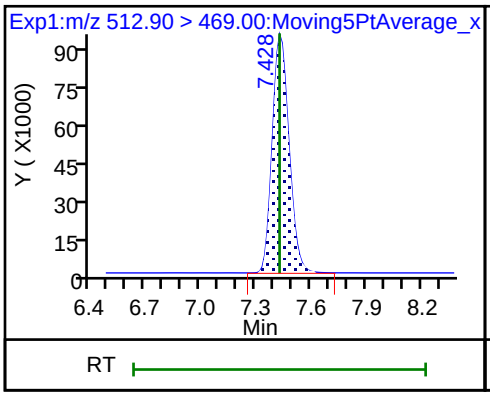
* 51 13C2 PFDA



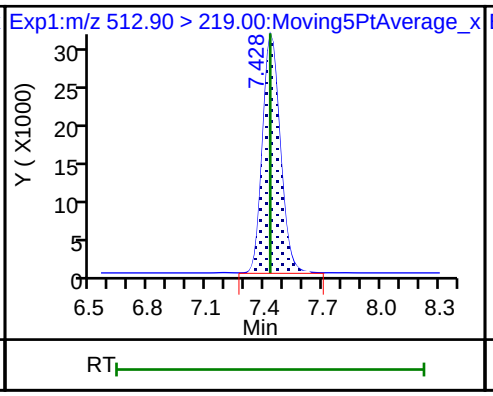
D 52 13C6 PFDA



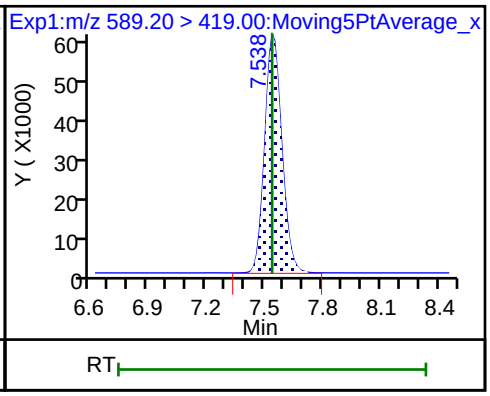
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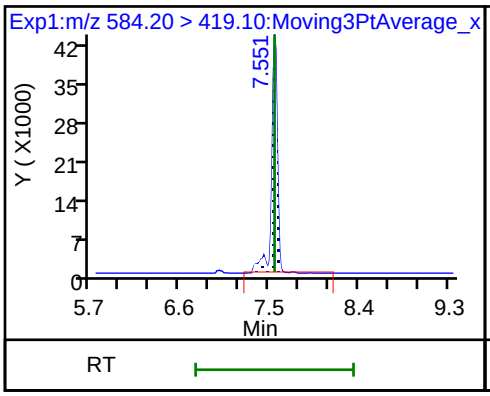
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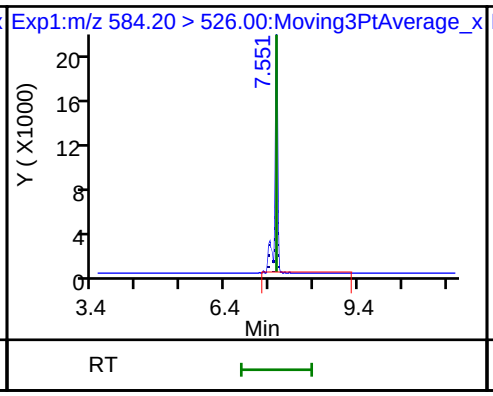
D 54 d5-NEtFOSAA



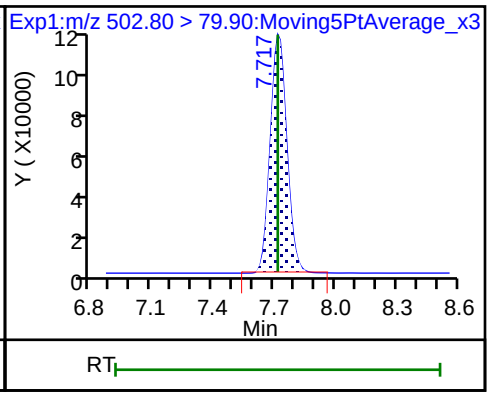
55 NEtFOSAA



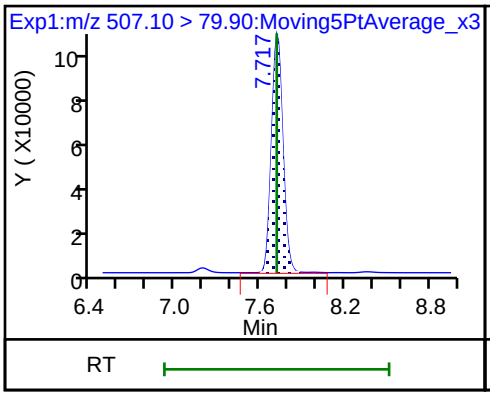
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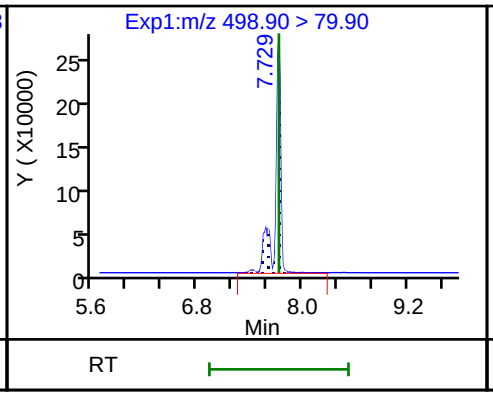
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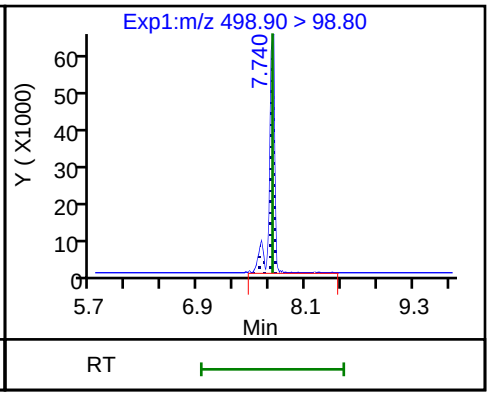
D 56 13C8 PFOS



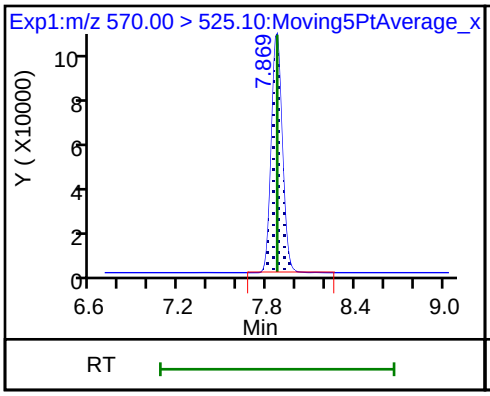
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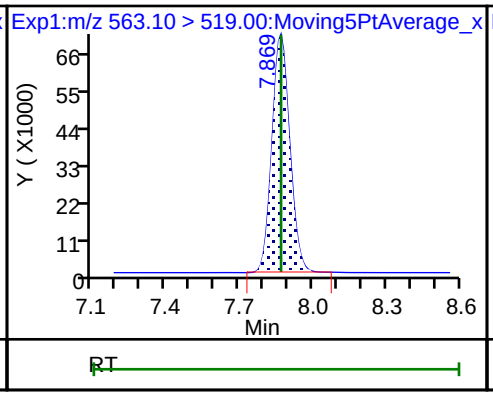
58 PFOS



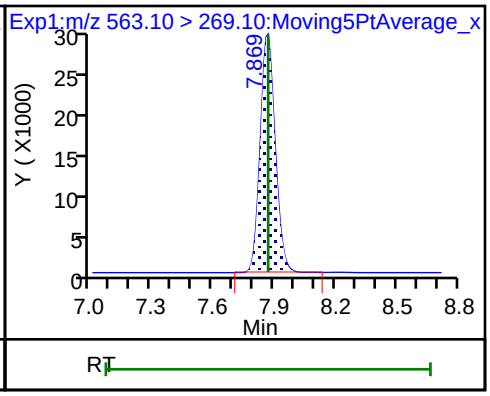
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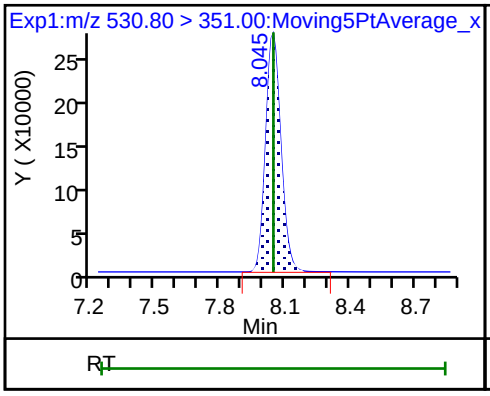
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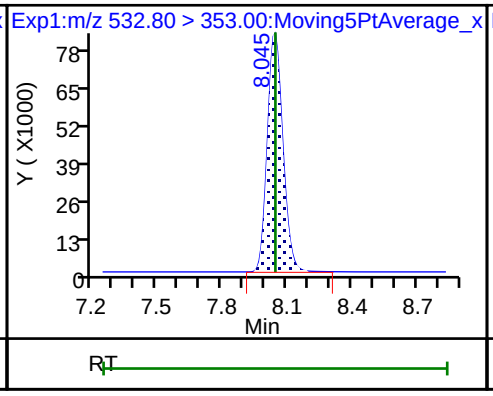
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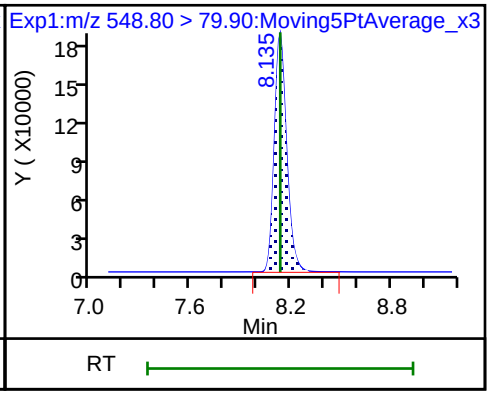
61 9ClFOS



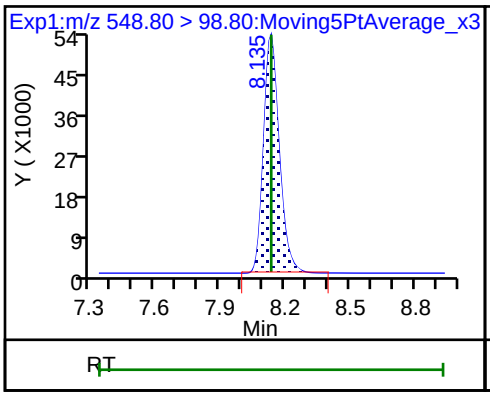
61 9ClFOS



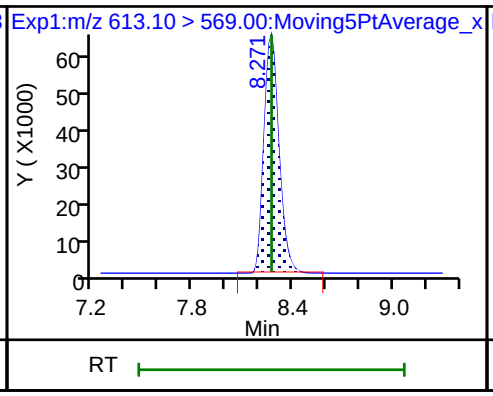
62 PFNS



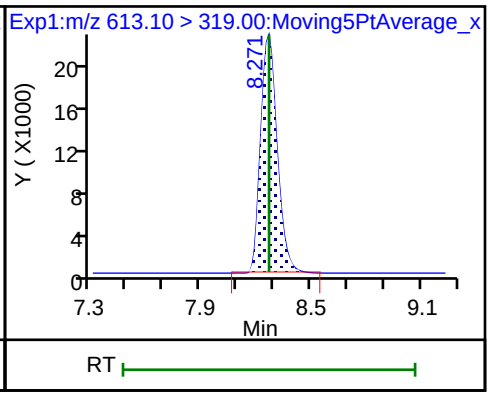
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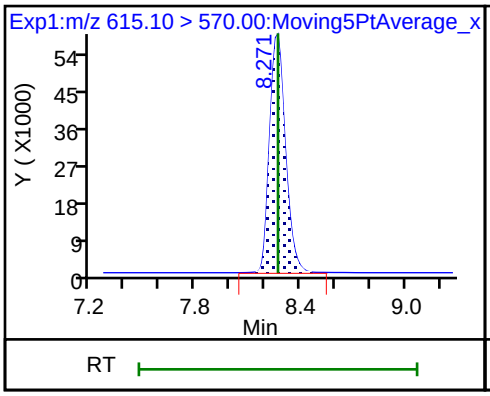
64 PFDoA



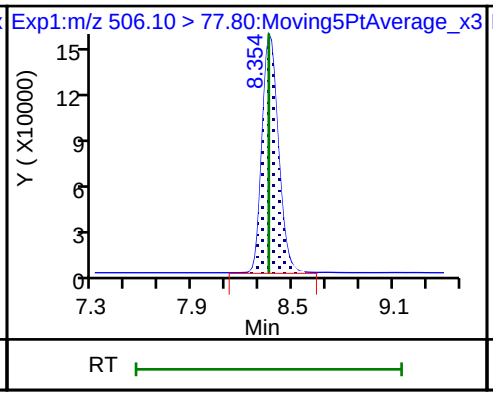
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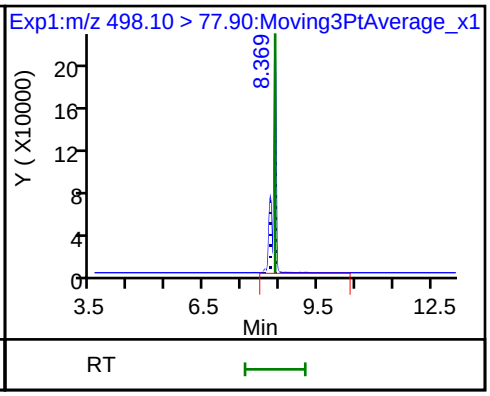
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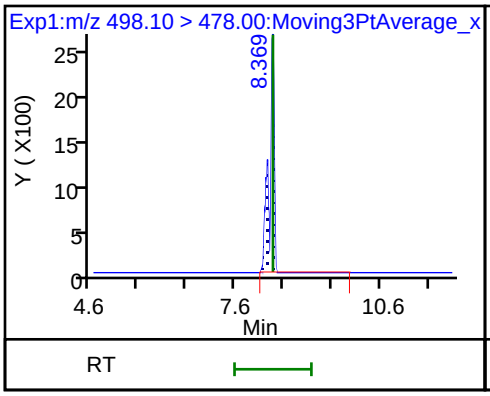
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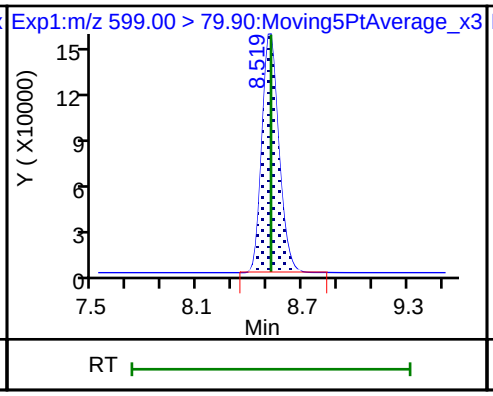
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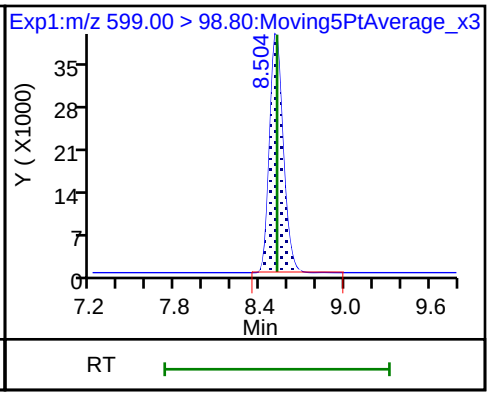
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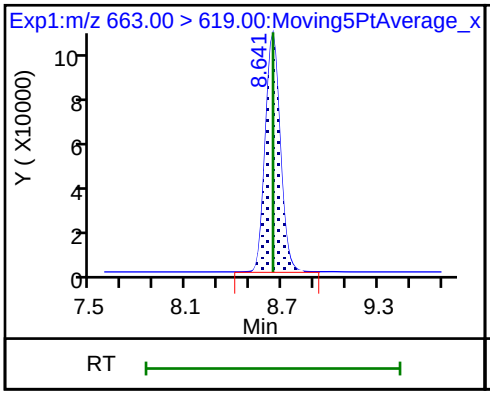
67 PFDS



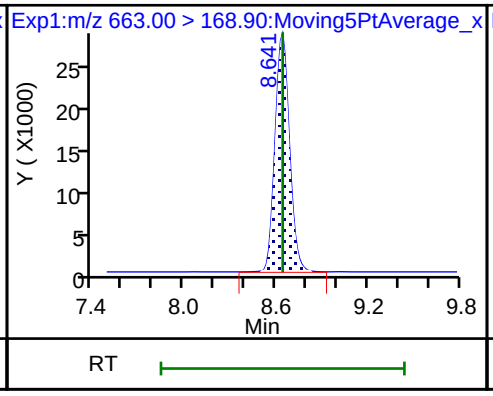
67 PFDS



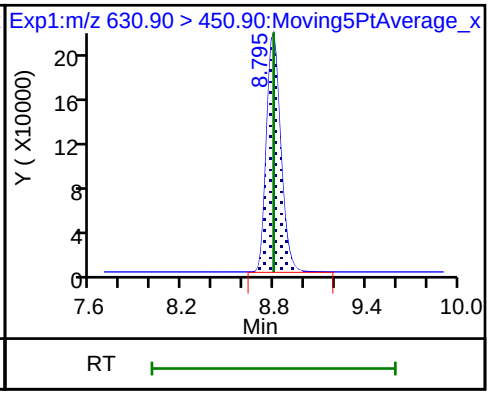
68 PFTrDA



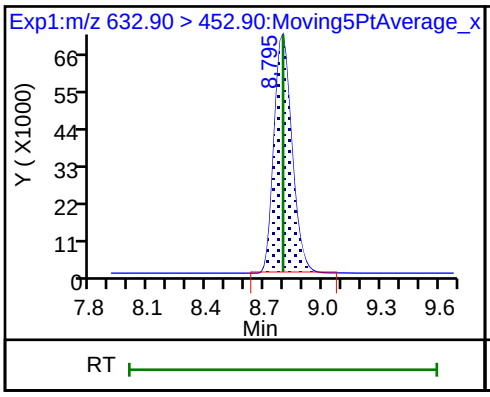
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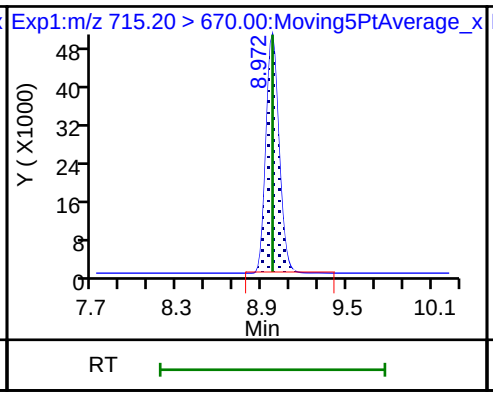
69 11ClFOS



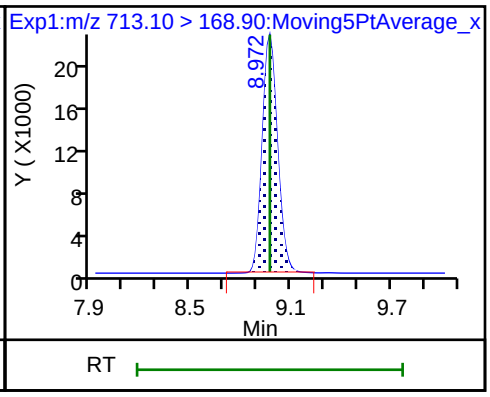
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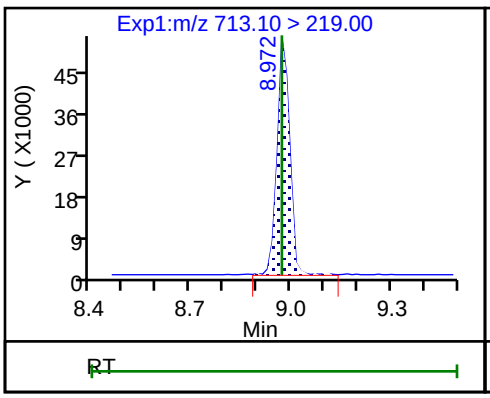
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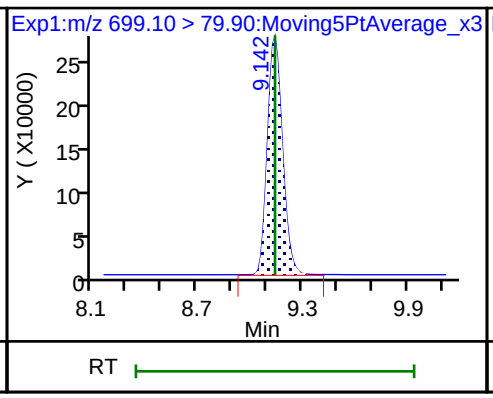
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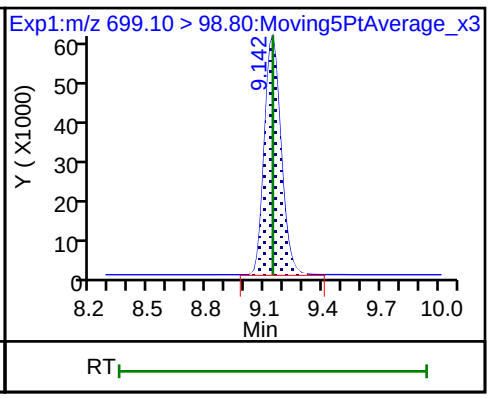
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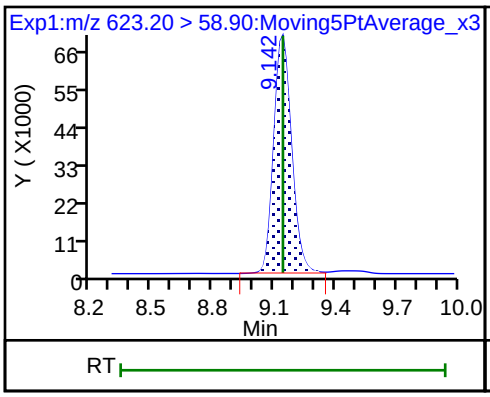
72 PFDoS



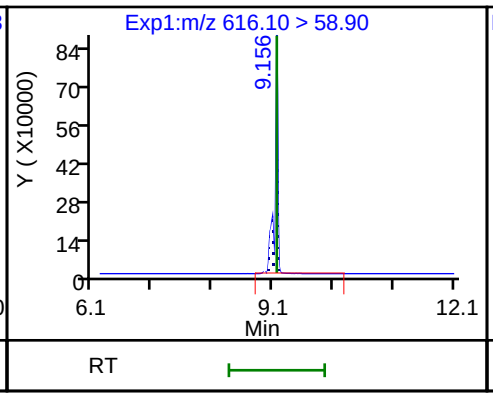
72 PFDoS



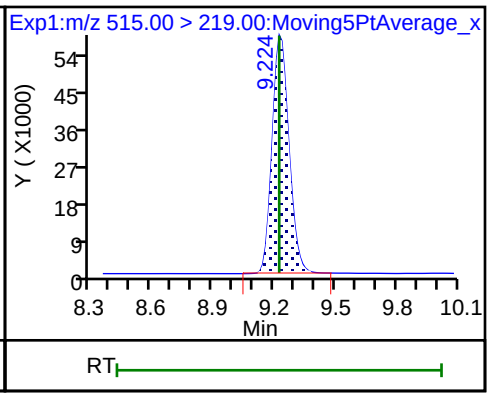
D 73 d7-N-Me-FOSE



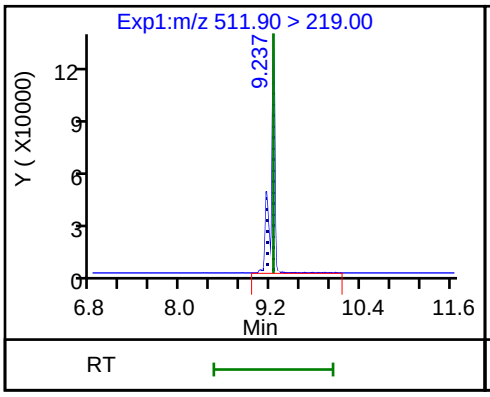
74 N-MeFOSE-M



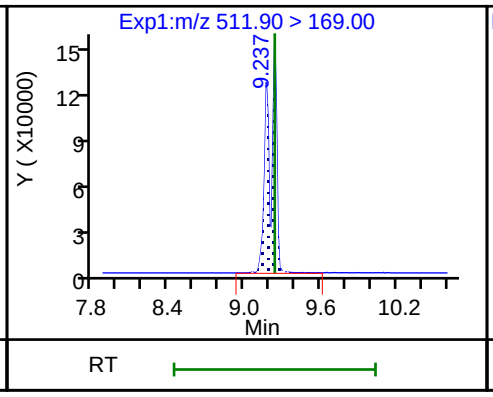
D 75 d3-NMePFOSA



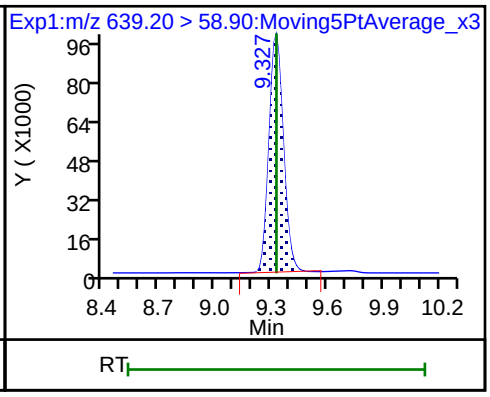
76 NMeFOSA



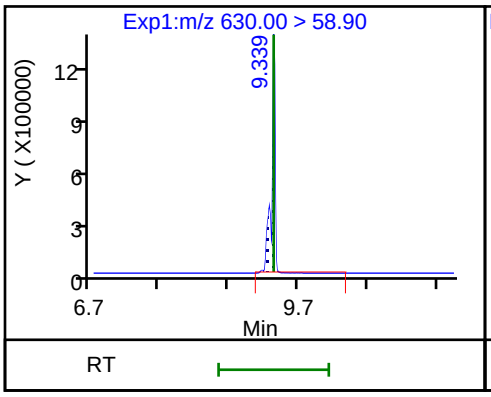
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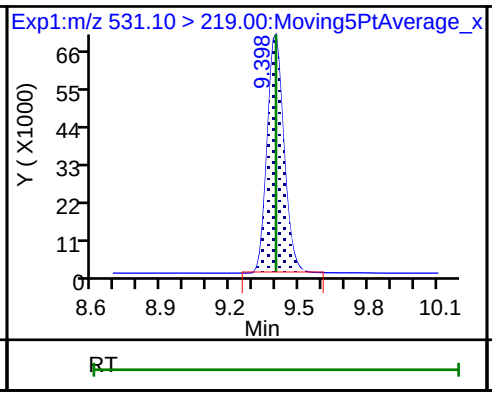
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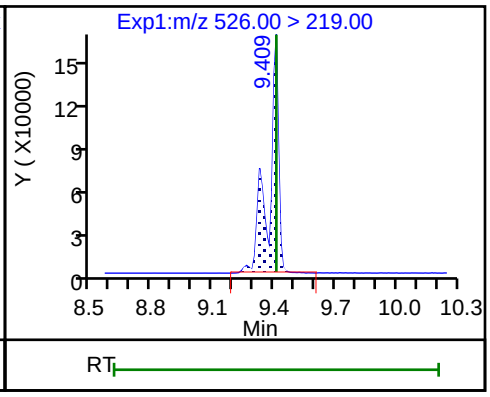
78 N-EtFOSE-M



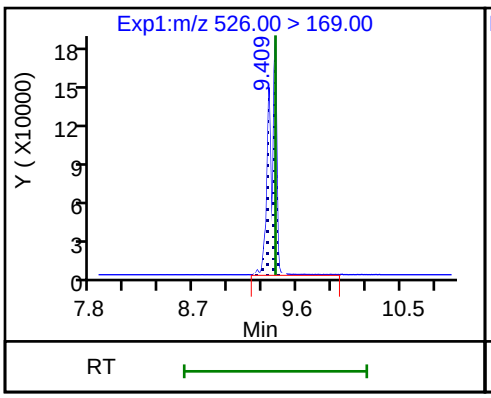
D 79 d5-NEtPFOSA



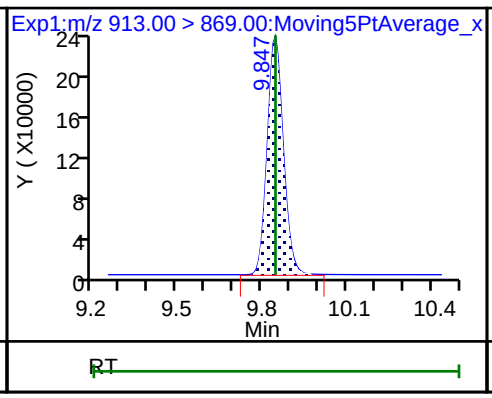
80 N-EtFOSA-M



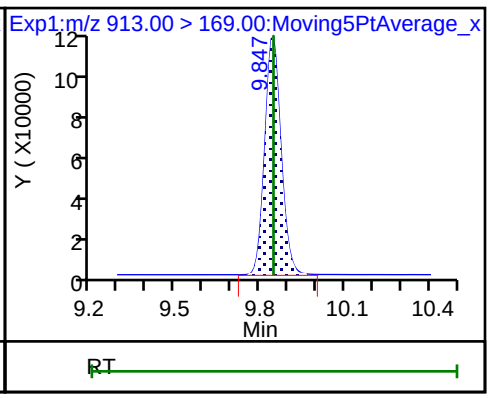
80 N-EtFOSA-M



81 Perfluorooctadecanoic acid



81 Perfluorooctadecanoic acid



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-06.d
Lims ID: IC CAL 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 03-Mar-2025 19:35:21 ALS Bottle#: 20007 Worklist Smp#: 6
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: IC CAL 6
Misc. Info.: Plate: 1 Rack: 1 410-0139703-006
Operator ID: ETUS023_USR_INS00054 Instrument ID: 30729
Sublist: chrom-30729_1633Final*sub1

Method: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\30729_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 06-Mar-2025 13:05:57 Calib Date: 03-Mar-2025 20:03:32
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-08.d

Column 1 : Det: EXP1
Process Host: CTX1635

First Level Reviewer: LDU5 Date: 04-Mar-2025 17:56:03
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
1 Perfluoropropionic acid										
163.00 > 119.00	1.868	1.885	-0.017	1.000	4869219	24.0		96.1	44145	
D 2 13C3PFPrA										
166.00 > 121.00	1.868	1.885	-0.017	0.420	366939	1.97		98.7	173	
5 PFBA										
212.80 > 168.90	4.452	4.443	0.009	1.000	2908586	9.63		96.3	72698	
D 3 13C4-PFBA										
216.80 > 171.90	4.452	4.443	0.009	1.000	600726	2.04		102	12819	
* 4 13C3PFBA										
216.00 > 172.00	4.452	4.443	0.009		665301	2.00			152	
6 PFMPA										
229.00 > 84.90	4.776	4.776	0.0	0.929	2060518	4.70		94.0	42963	
7 3:3 FTCA										
241.00 > 177.00	4.787	4.787	0.0	0.931	238252	9.44	Target=1.09	94.4	14426	
241.00 > 117.00	4.787	4.787	0.0	0.931	219179		1.09(0.54-1.63)	94.4	10029	
D 9 13C5 PFPeA										
268.30 > 223.00	5.143	5.132	0.011	0.906	504741	2.14		107	28639	
10 PFPA										
263.00 > 219.00	5.143	5.143	0.0	1.000	2004502	4.96		99.1	67955	
11 PFMBA										
279.00 > 85.10	5.331	5.320	0.011	1.037	2190325	4.52		90.4	124871	
D 12 13C2-4:2FTS										
329.10 > 80.90	5.479	5.469	0.010	0.803	274572	4.61		98.3	12022	
13 4:2FTS										
327.10 > 307.00	5.479	5.469	0.010	1.000	794649	9.19	Target=1.32	98.4	46892	
327.10 > 80.90	5.479	5.469	0.010	1.000	610644		1.30(0.66-1.98)	98.4	35698	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
15 NFDHA										
295.00 > 201.00	5.641	5.630	0.011	0.994	1133080	4.89	Target=1.24	97.9	65766	
295.00 > 84.90	5.641	5.630	0.011	0.994	914028		1.24(0.62-1.86)	97.9	52758	
D 16 13C5 PFHxA										
318.00 > 273.00	5.676	5.677	-0.001	1.000	788887	2.05		103	45483	
* 17 13C2 PFHxA										
315.10 > 270.00	5.676	5.677	-0.001		1653637	5.00			95406	
18 PFHxA										
313.00 > 269.00	5.688	5.677	0.011	1.002	1764525	4.88	Target=10.40	97.5	101362	
313.00 > 118.90	5.688	5.677	0.011	1.002	170456		10.35(5.20-15.60)	97.5	9857	
20 5:3 FTCA										
341.00 > 237.10	5.763	5.751	0.012	1.015	1793029	25.4	Target=0.91	102	100039	
341.00 > 217.00	5.763	5.751	0.012	1.015	1920036		0.93(0.45-1.36)	102	105954	
14 FBSA										
297.90 > 78.00	5.777	5.764	0.013	0.993	2172158	4.72		94.3	549575	
21 PFBS										
298.70 > 79.90	5.818	5.820	-0.002	1.000	1305846	4.14	Target=2.88	93.2	57796	
298.70 > 98.80	5.832	5.820	0.012	1.002	453575		2.88(1.44-4.33)	93.2	20198	
D 19 13C3 PFBS										
302.10 > 79.90	5.818	5.820	-0.002	0.853	860671	1.95		104	39004	
22 HFPO-DA										
284.90 > 168.90	5.888	5.875	0.013	1.000	1529897	3.57	Target=2.44	95.2	80592	
284.90 > 184.90	5.888	5.875	0.013	1.000	625659		2.45(1.22-3.65)	95.2	32915	
D 23 13C3 HFPO-DA										
286.90 > 168.90	5.888	5.875	0.013	1.037	798049	2.12		106	41922	
25 PFEESA										
314.80 > 134.90	6.083	6.071	0.012	1.072	5156093	4.35	Target=11.17	97.5	250557	
314.80 > 82.90	6.083	6.071	0.012	1.072	450678		11.44(5.59-16.75)	97.5	22109	
D 27 13C4 PFHpA										
367.10 > 322.00	6.136	6.124	0.012	1.081	787454	2.13		106	45483	
28 PFHpA										
363.10 > 319.00	6.136	6.124	0.012	1.000	1799587	5.08	Target=2.26	102	102769	
363.10 > 169.00	6.136	6.124	0.012	1.000	790522		2.28(1.13-3.39)	102	45613	
29 ADONA										
376.90 > 250.90	6.299	6.299	0.0	1.070	4477209	4.39	Target=1.59	92.8	11683	
376.90 > 84.80	6.299	6.299	0.0	1.070	2793371		1.60(0.79-2.38)	92.8	180905	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.351	6.341	0.010	0.931	291710	4.96		104	19689	
30 PFPeS										
349.10 > 79.90	6.340	6.341	-0.001	0.930	1920501	4.64	Target=3.47	98.7	85044	
349.10 > 98.90	6.340	6.341	-0.001	0.930	548394		3.50(1.73-5.20)	98.7	32614	
32 6:2FTS										
427.10 > 407.00	6.351	6.341	0.010	1.000	664100	9.02	Target=1.07	95.1	44875	
427.10 > 80.90	6.351	6.341	0.010	1.000	606236		1.10(0.53-1.60)	95.1	40835	
33 BTS										M
280.00 > 147.00	6.527	6.528	-0.001	0.957	5028895	4.92		100	51969	M
D 34 13C8 PFOA										
421.10 > 376.00	6.567	6.568	-0.001	1.000	805115	2.00		100	40496	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 40 13C4 PFOA										
417.10 > 372.00	6.567	6.568	-0.001		2086448	5.00			104300	
35 PFOA										
413.00 > 369.00	6.576	6.568	0.008	1.001	1495079	4.97	Target=1.66	99.4	1293	
413.00 > 169.00	6.576	6.568	0.008	1.001	893537		1.67(0.83-2.49)	99.4	463	
36 7:3 FTCA										
441.00 > 316.90	6.627	6.616	0.011	1.168	1745871	24.6	Target=0.90	98.6	80571	
441.00 > 336.90	6.615	6.616	-0.001	1.165	1921276		0.91(0.45-1.34)	98.6	88974	
* 38 18O2 PFHxS										
403.00 > 83.90	6.821	6.810	0.011		680985	1.89			39487	
D 37 13C3 PFHxS										
402.10 > 79.90	6.821	6.810	0.011	1.000	658789	1.87		98.6	38255	
39 PFHxS										
398.70 > 79.90	6.821	6.821	0.0	1.000	996833	4.27	Target=3.28	93.6	4426	
398.70 > 98.90	6.821	6.821	0.0	1.000	308077		3.24(1.64-4.92)	93.6	1557	
D 41 13C9 PFNA										
472.10 > 427.00	7.002	6.990	0.012	1.000	658941	1.94		96.9	39252	
* 42 13C5 PFNA										
468.00 > 423.00	7.002	6.990	0.012		693397	2.00			41070	
43 PFNA										
463.00 > 419.00	7.002	7.002	0.0	1.000	1418145	5.07	Target=2.26	101	8649	
463.00 > 219.00	7.014	7.002	0.012	1.002	645309		2.20(1.13-3.38)	101	2952	
D 45 13C2-8:2FTS										
529.10 > 80.90	7.193	7.182	0.011	1.055	314521	4.98		104	18686	
46 8:2FTS										
527.10 > 507.00	7.193	7.182	0.011	1.000	424430	8.67	Target=0.73	90.5	24994	
527.10 > 80.80	7.193	7.182	0.011	1.000	585900		0.72(0.36-1.09)	90.5	34809	
48 FHxSA										
397.90 > 78.00	7.216	7.193	0.023	1.058	2462012	5.03		101	80043	
44 PFECHS										
461.00 > 381.00	7.240	7.229	0.011	1.062	460408	4.88	Target=0.24	106	237	
461.00 > 99.00	7.240	7.229	0.011	1.062	1921307		0.24(0.12-0.35)	106	627198	
47 PFHpS										
449.00 > 79.90	7.277	7.265	0.012	0.942	1840085	4.24	Target=3.81	89.0	100075	
449.00 > 98.80	7.277	7.265	0.012	0.942	476564		3.86(1.91-5.72)	89.0	25851	
D 49 d3-NMeFOSAA										
573.20 > 419.00	7.359	7.346	0.013	0.952	449553	5.23		105	23934	
50 NMeFOSAA										
570.10 > 419.00	7.373	7.360	0.013	1.002	513085	4.79	Target=2.23	95.8	1791	
570.10 > 483.00	7.373	7.360	0.013	1.002	249927		2.05(1.12-3.35)	95.8	901	
* 51 13C2 PFDA										
515.10 > 470.10	7.442	7.428	0.014		638541	2.00			33763	
D 52 13C6 PFDA										
519.10 > 474.10	7.442	7.428	0.014	1.000	686564	2.09		105	36336	
53 PFDA										
512.90 > 469.00	7.442	7.428	0.014	1.000	1086101	4.30	Target=2.91	86.0	57374	
512.90 > 219.00	7.442	7.428	0.014	1.000	384983		2.82(1.46-4.37)	86.0	20396	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.551	7.538	0.013	0.977	399017	5.30		106	22066	
55 NEtFOSAA										
584.20 > 419.10	7.564	7.551	0.013	1.002	345457	4.96	Target=1.98	99.2	426	
584.20 > 526.00	7.564	7.551	0.013	1.002	165838		2.08(0.99-2.97)	99.2	376	
* 57 13C4 PFOS										
502.80 > 79.90	7.728	7.717	0.012		637142	1.91			37762	
D 56 13C8 PFOS										
507.10 > 79.90	7.728	7.717	0.012	1.000	636364	2.09		109	5185	
58 PFOS										
498.90 > 79.90	7.728	7.729	-0.001	1.000	2157186	4.34	Target=4.40	93.4	3805	
498.90 > 98.80	7.739	7.729	0.010	1.001	477116		4.52(2.20-6.59)	93.4	758	
D 59 13C7 PFUnA										
570.00 > 525.10	7.868	7.869	-0.001	1.057	494908	1.90		94.9	32488	
60 PFUnA										
563.10 > 519.00	7.868	7.869	-0.001	1.000	658216	4.92	Target=2.30	98.5	42932	
563.10 > 269.10	7.868	7.869	-0.001	1.000	264136		2.49(1.15-3.45)	98.5	17189	
61 9ClFOS										
530.80 > 351.00	8.045	8.045	0.0	1.366	2549766	4.42	Target=3.09	94.6	172700	
532.80 > 353.00	8.045	8.045	0.0	1.366	815017		3.13(1.54-4.63)	94.6	55462	
62 PFNS										
548.80 > 79.90	8.135	8.135	0.0	1.053	1802764	4.37	Target=3.74	90.9	116326	
548.80 > 98.80	8.135	8.135	0.0	1.053	480389		3.75(1.87-5.61)	90.9	30964	
64 PFDoA										
613.10 > 569.00	8.270	8.271	-0.001		714889	4.83	Target=2.66	96.6	38260	
613.10 > 319.00	8.270	8.271	-0.001		260114		2.75(1.33-4.00)	96.6	13878	
D 63 PFDoA										
615.10 > 570.00	8.270	8.271	-0.001	1.111	376383	1.98		98.8	19945	
D 66 13C8 FOSA										
506.10 > 77.80	8.369	8.354	0.015	1.083	1057171	2.09		104	31628	
65 PFOSA										
498.10 > 77.90	8.384	8.369	0.015	1.002	2285771	4.71	Target=73.16	94.3	9858	
498.10 > 478.00	8.369	8.369	0.0	1.000	26181		87.31(36.58-109.75)	94.3	153	
67 PFDS										
599.00 > 79.90	8.519	8.519	0.0	1.102	1954871	4.36	Target=4.05	90.5	98831	
599.00 > 98.80	8.519	8.519	0.0	1.102	481563		4.06(2.03-6.08)	90.5	24321	
68 PFTrDA										
663.00 > 619.00	8.641	8.641	0.0	0.963	1198621	4.85	Target=3.35	97.1	61378	
663.00 > 168.90	8.641	8.641	0.0	0.963	347758		3.45(1.67-5.02)	97.1	17797	
69 11ClFOS										
630.90 > 450.90	8.796	8.795	0.001	1.494	2569076	4.31	Target=2.94	91.2	134232	
632.90 > 452.90	8.796	8.795	0.001	1.494	874110		2.94(1.47-4.42)	91.2	45905	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.973	8.972	0.001	1.206	348963	2.05		103	18404	
71 PFTeDA										
713.10 > 168.90	8.973	8.972	0.001	1.000	267370	4.66	Target=1.12	93.2	14095	
713.10 > 219.00	8.987	8.972	0.015	1.002	247342		1.08(0.56-1.68)	93.2	564	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
72 PFDoS										
699.10 > 79.90	9.142	9.142	0.0	1.183	2800400	4.31	Target=4.47	88.8	156248	
699.10 > 98.80	9.142	9.142	0.0	1.183	649606		4.31(2.24-6.71)	88.8	36296	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.142	9.142	0.0	1.183	447702	5.27		105	7388	
74 N-MeFOSE-M										
616.10 > 58.90	9.170	9.156	0.014	1.003	5413312	22.8		91.4	19484	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.237	9.224	0.013	1.195	323251	2.06		103	11339	
76 NMeFOSA										
511.90 > 219.00	9.250	9.237	0.013	1.001	819704	4.74	Target=0.69	94.8	250026	
511.90 > 169.00	9.250	9.237	0.013	1.001	1175152		0.70(0.34-1.03)	94.8	256982	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.327	9.327	0.0	1.207	544609	5.26		105	8504	
78 N-EtFOSE-M										
630.00 > 58.90	9.351	9.339	0.012	1.003	8039923	23.6		94.5	33490	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.398	9.398	0.0	1.216	360464	2.07		103	17953	
80 N-EtFOSA-M										
526.00 > 219.00	9.409	9.409	0.0	1.001	1022120	4.71	Target=0.78	94.2	315272	
526.00 > 169.00	9.409	9.409	0.0	1.001	1335943		0.77(0.39-1.16)	94.2	10142	
81 Perfluorooctadecanoic acid										
913.00 > 869.00	9.838	9.847	-0.009	1.096	1695999	4.60	Target=2.08	92.1	42613	
913.00 > 169.00	9.838	9.847	-0.009	1.096	807871		2.10(1.04-3.12)	92.1	29230	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_CAL6_00018 Amount Added: 1.00 Units: mL

Report Date: 06-Mar-2025 13:05:58 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-06.d

Injection Date: 03-Mar-2025 19:35:21 Instrument ID: 30729

Lims ID: IC CAL 6

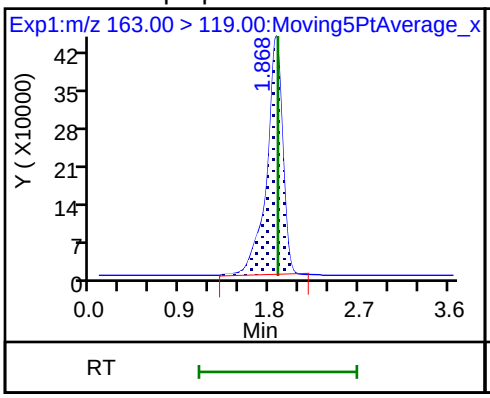
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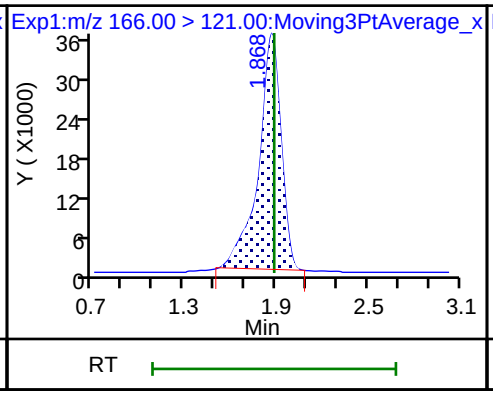
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Method: 30729_1633Final Limit Group: LC - 1633 LVI- ICAL

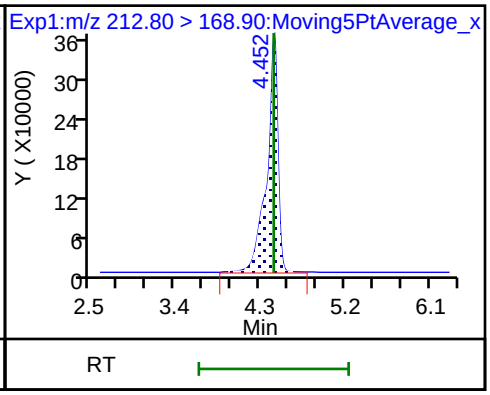
1 Perfluoropropionic acid



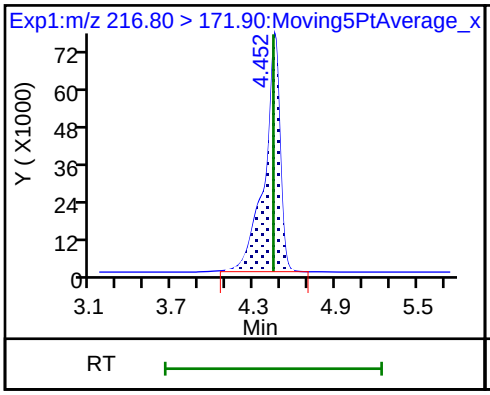
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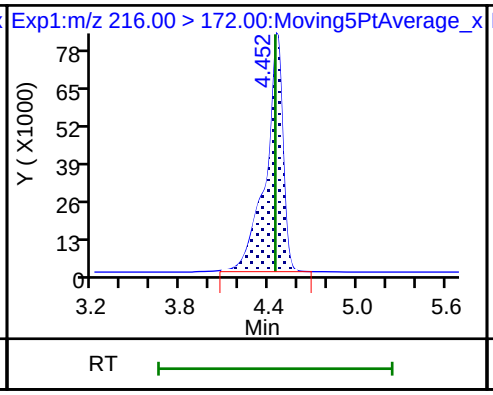
5 PFBA



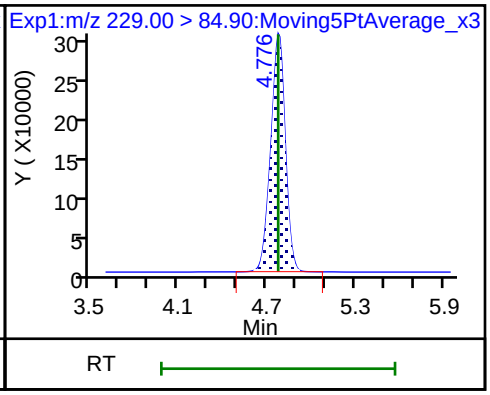
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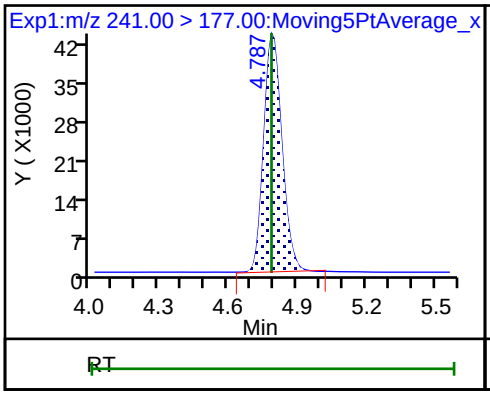
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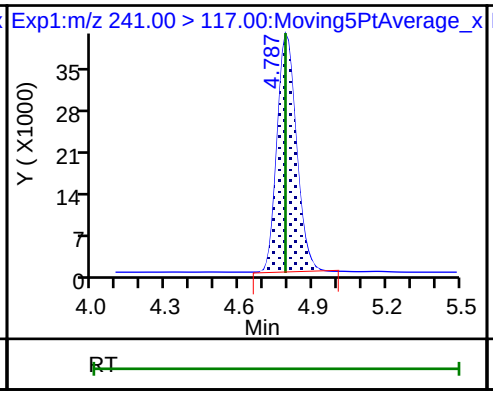
6 PFMPA



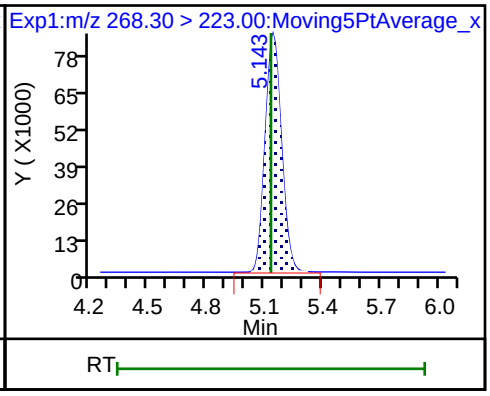
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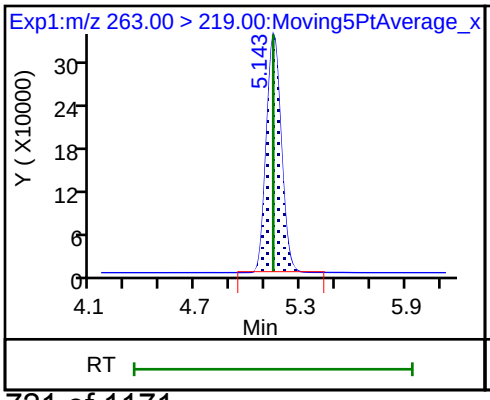
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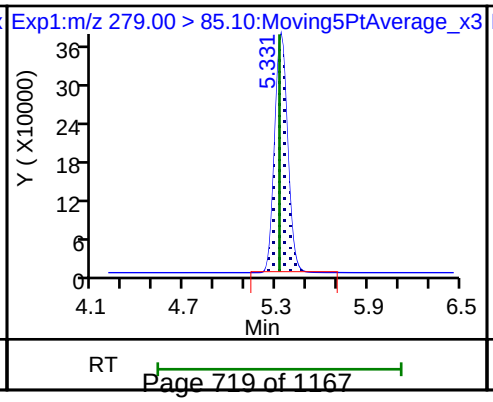
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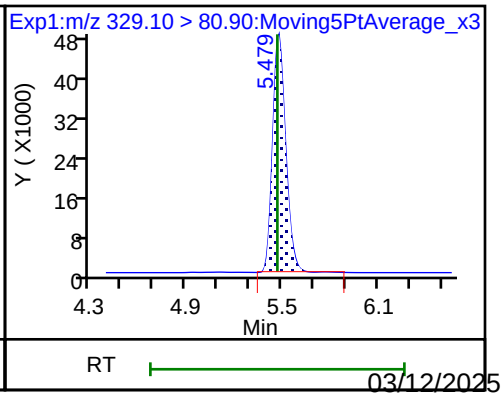
10 PFPA



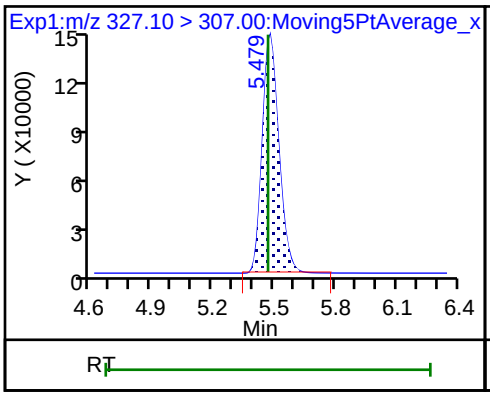
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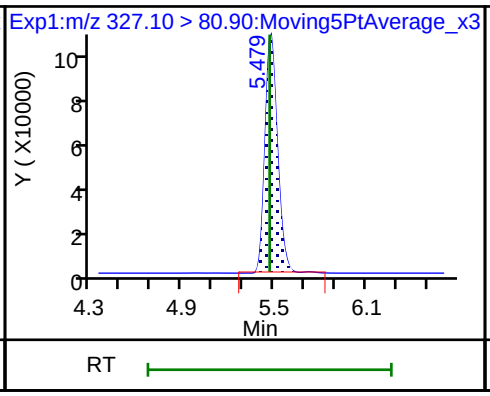
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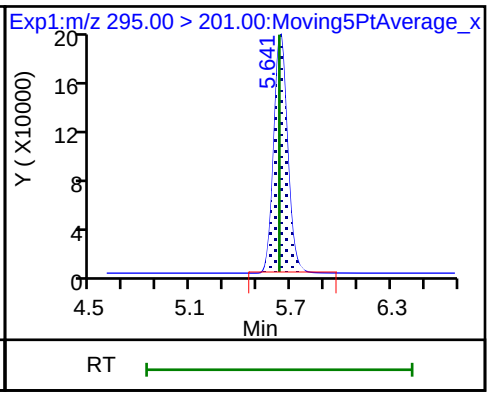
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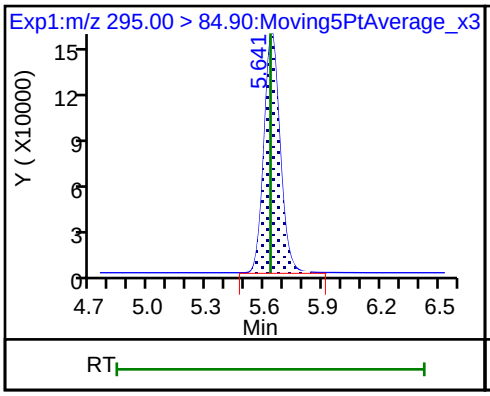
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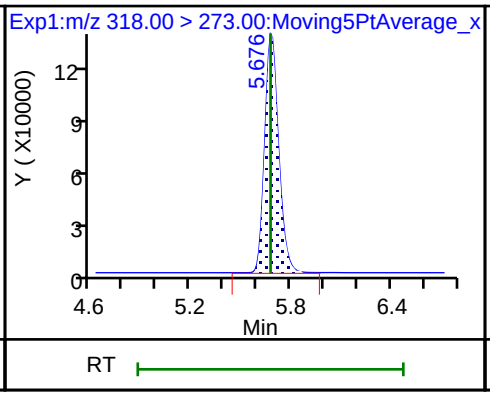
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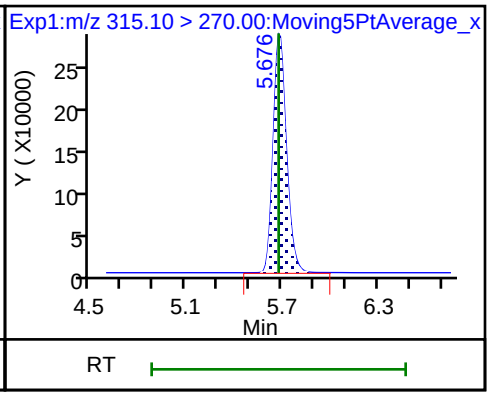
15 NFDHA



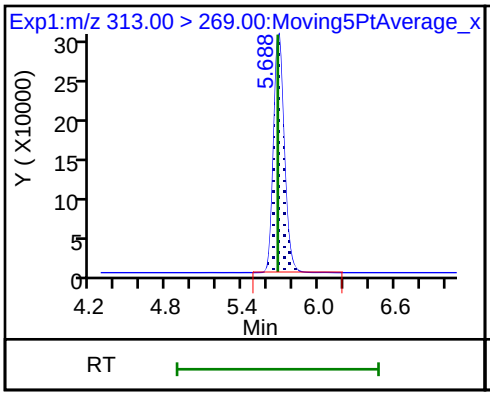
D 16 13C5 PFHxA



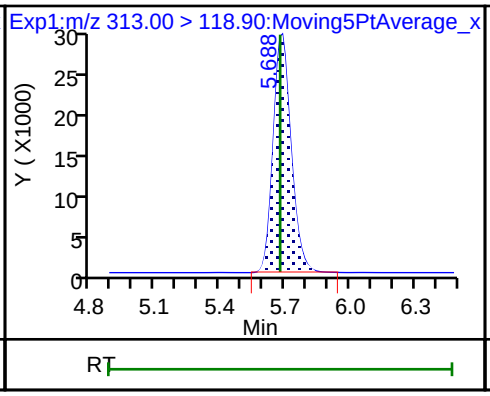
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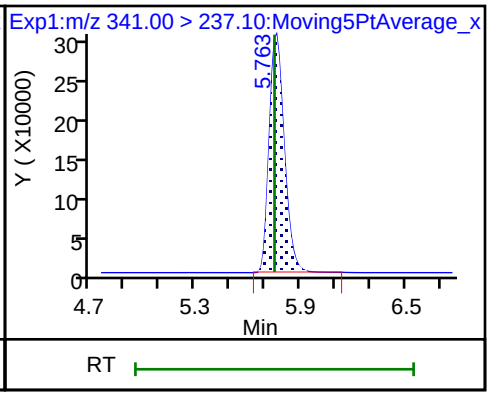
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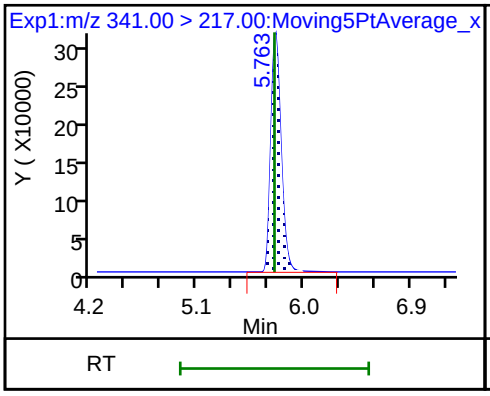
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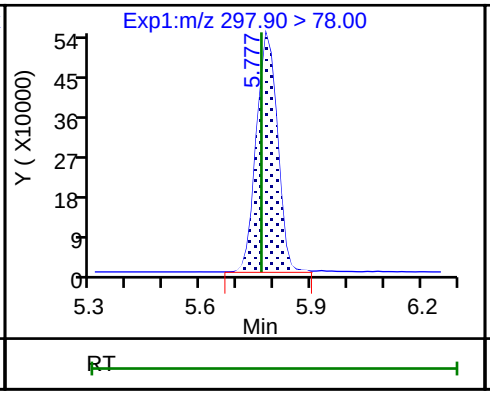
20 5:3 FTCA



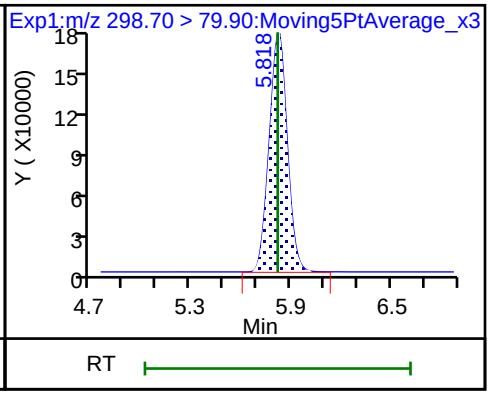
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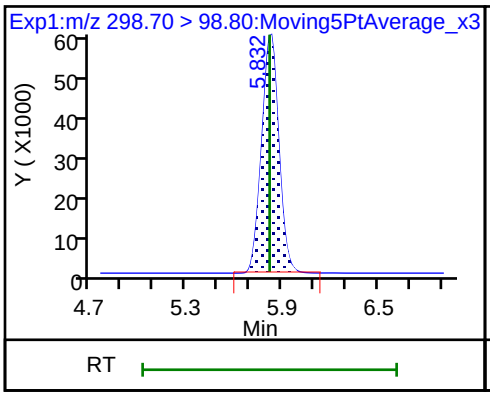
14 FBSA



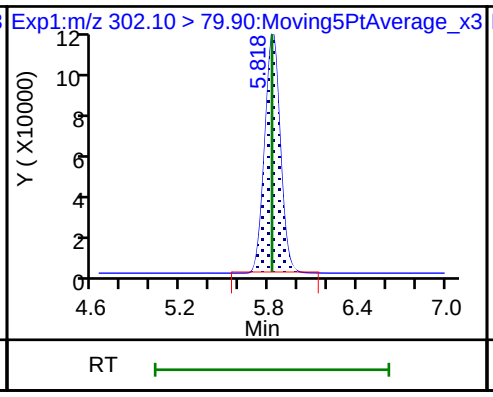
21 PFBS



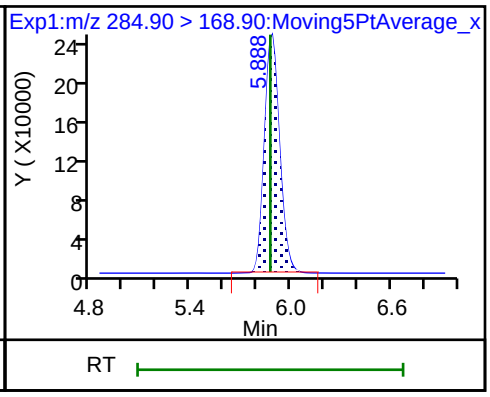
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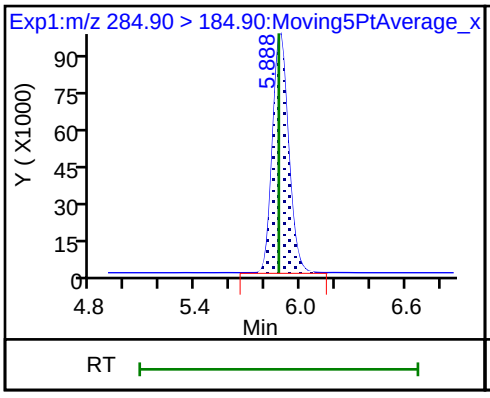
D 19 13C3 PFBS



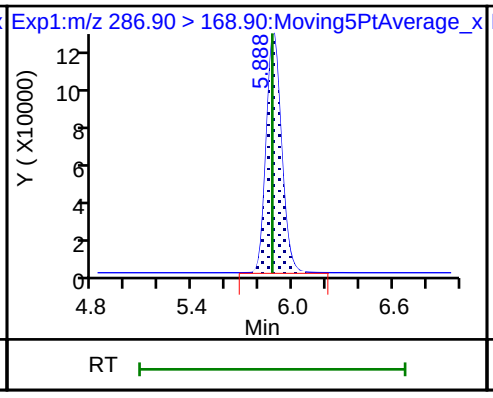
22 HFPO-DA



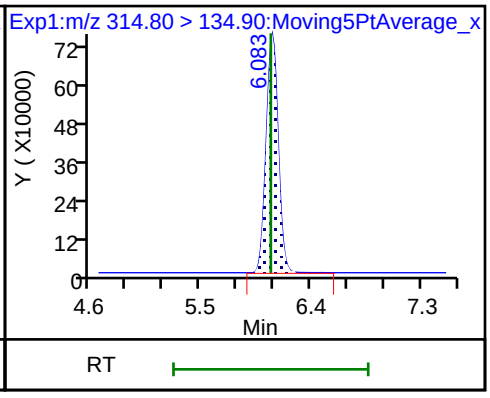
22 HFPO-DA



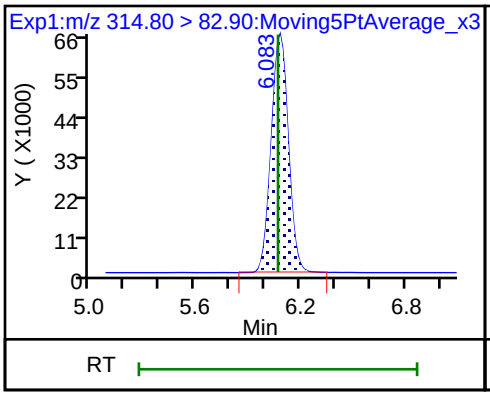
D 23 13C3 HFPO-DA



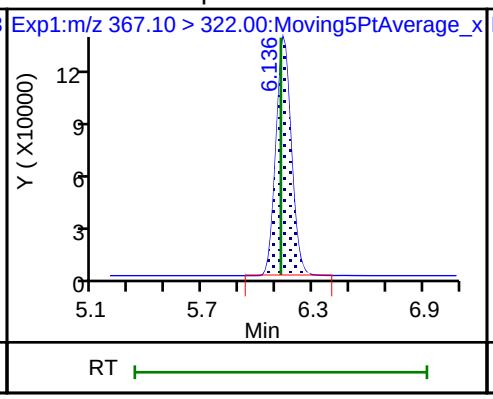
25 PFEESA



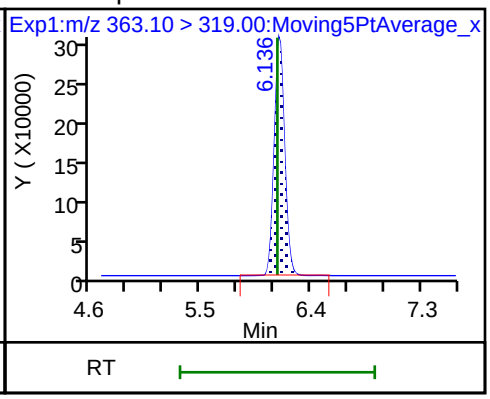
25 PFEESA



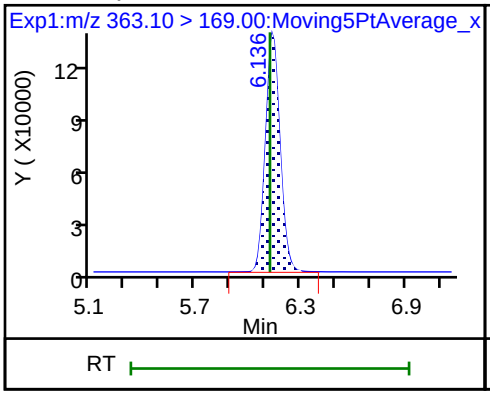
D 27 13C4 PFHpA



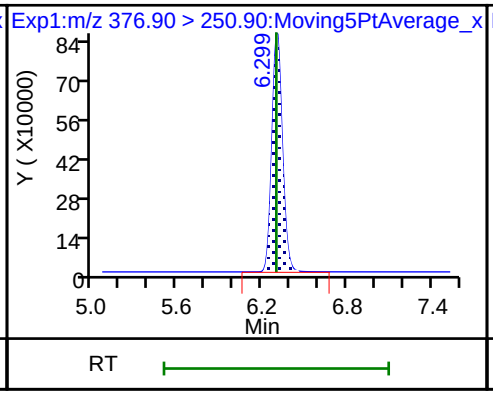
28 PFHpA



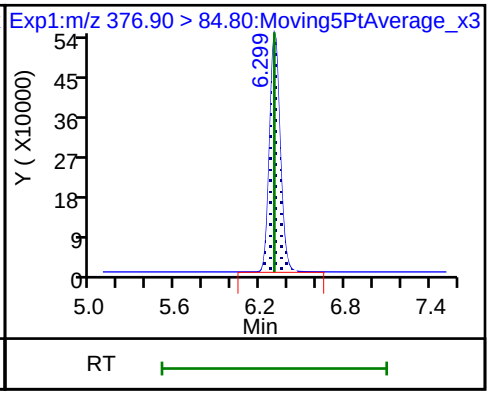
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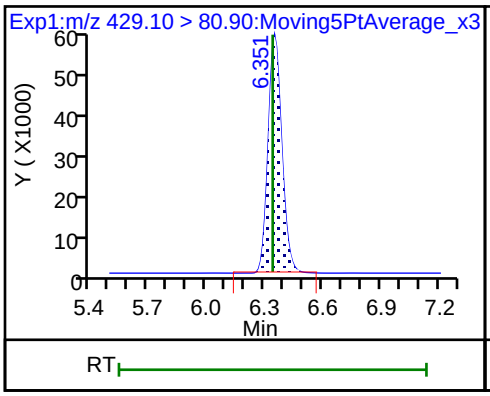
29 ADONA



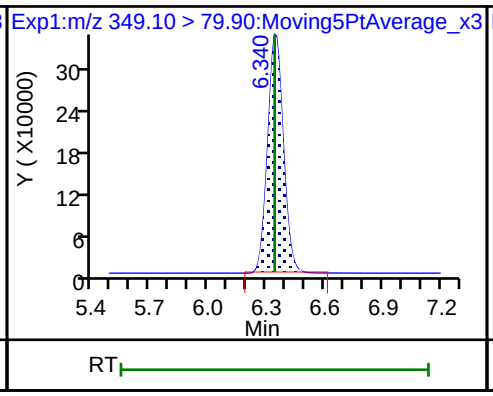
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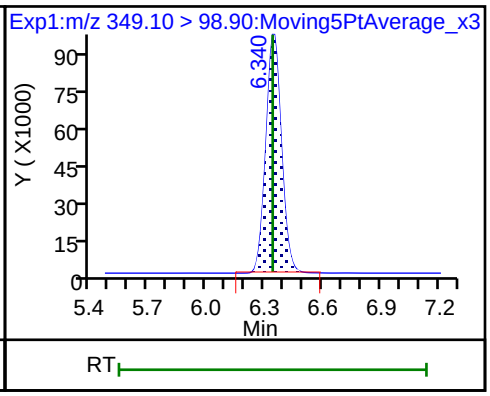
D 31 13C2-6:2FTS



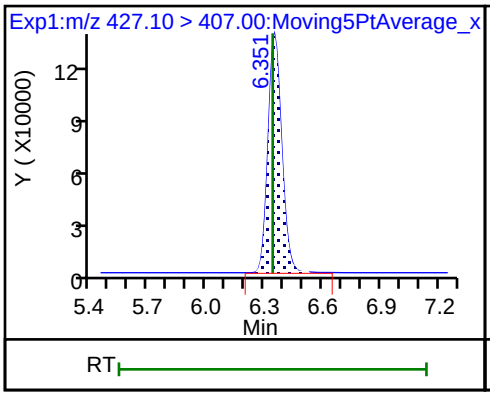
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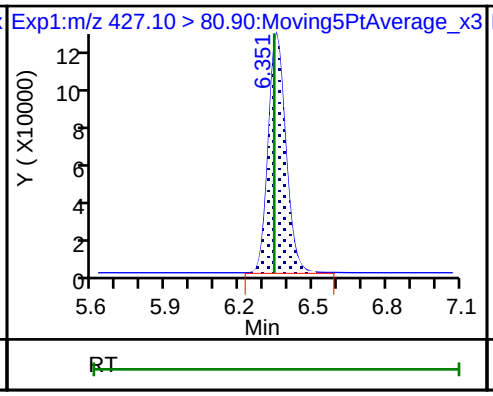
30 PFPeS



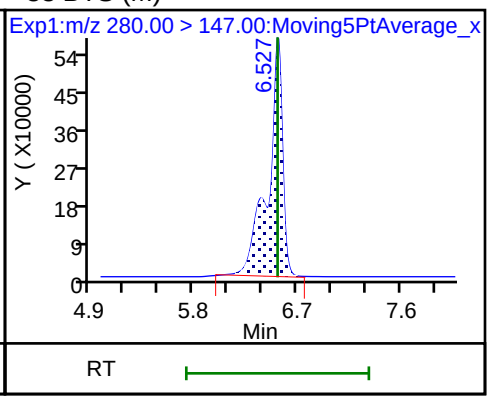
32 6:2FTS



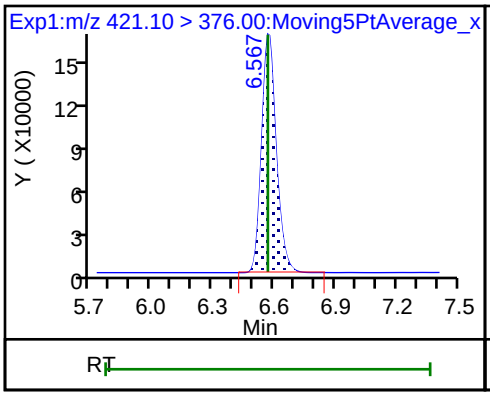
32 6:2FTS



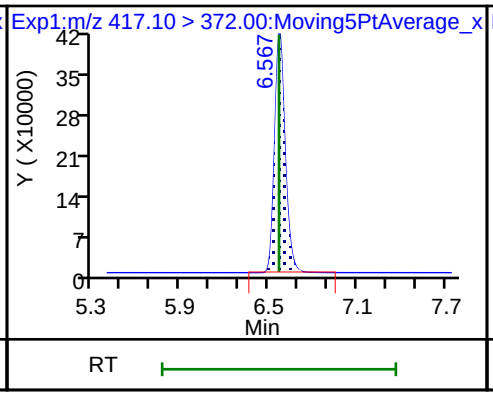
33 BTS (M)



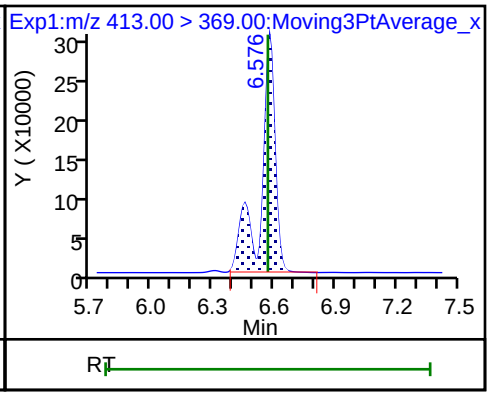
D 34 13C8 PFOA



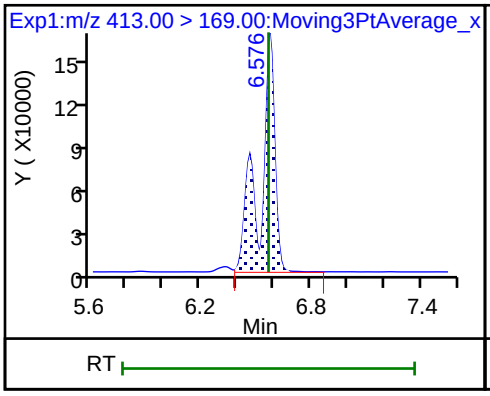
* 40 13C4 PFOA



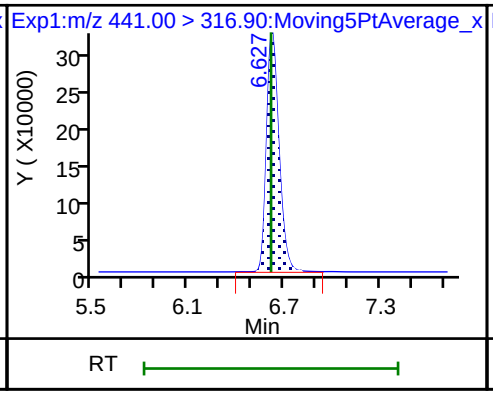
35 PFOA



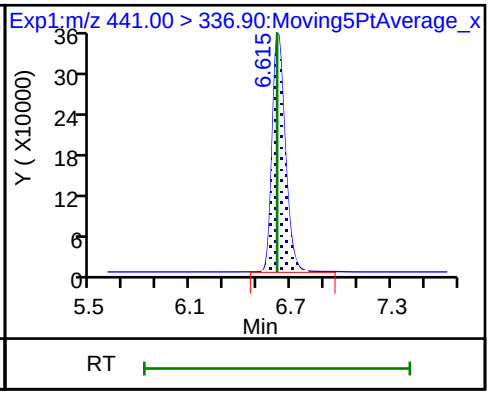
35 PFOA



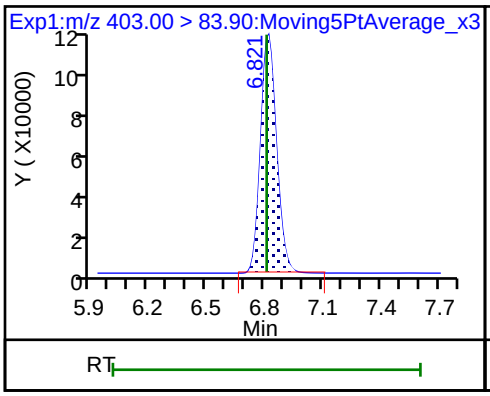
36 7:3 FTCA



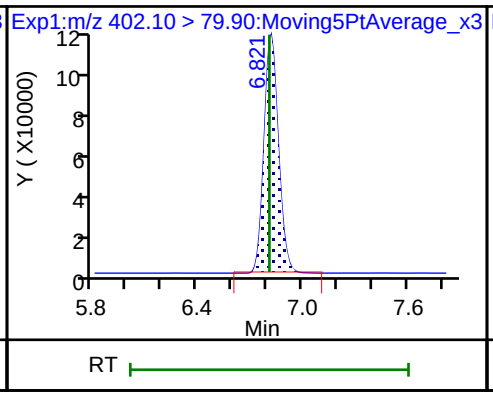
36 7:3 FTCA



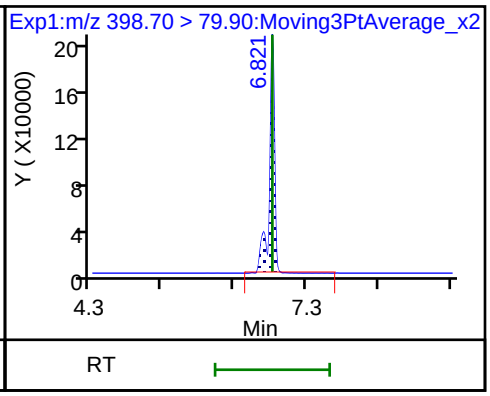
* 38 18O2 PFHxS



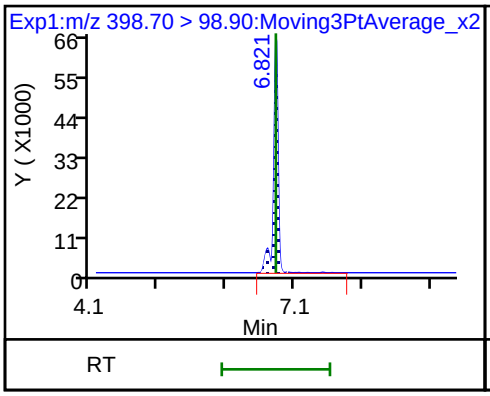
D 37 13C3 PFHxS



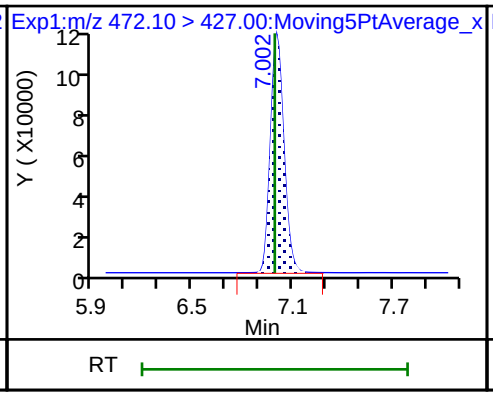
39 PFHxS



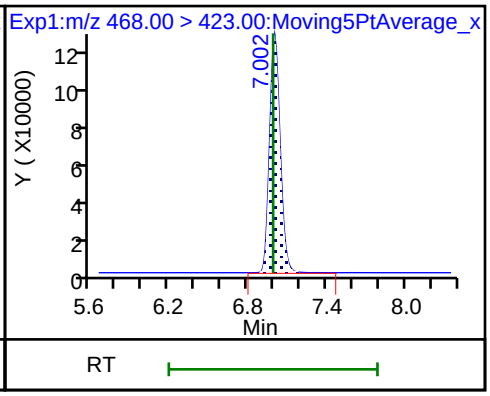
39 PFHxS



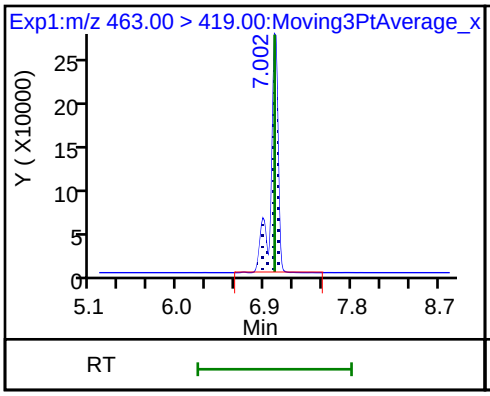
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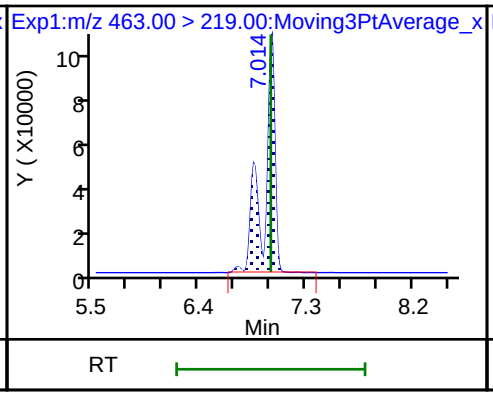
* 42 13C5 PFNA



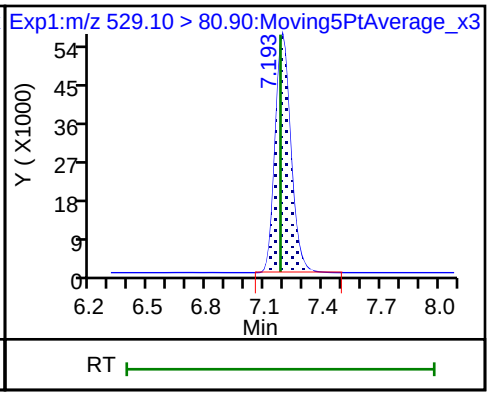
43 PFNA



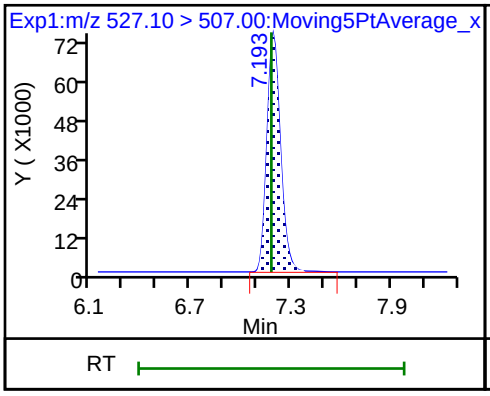
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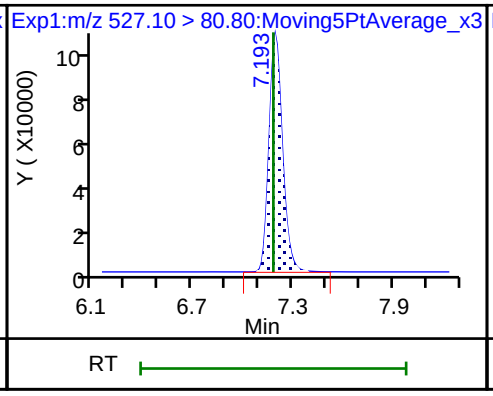
D 45 13C2-8:2FTS



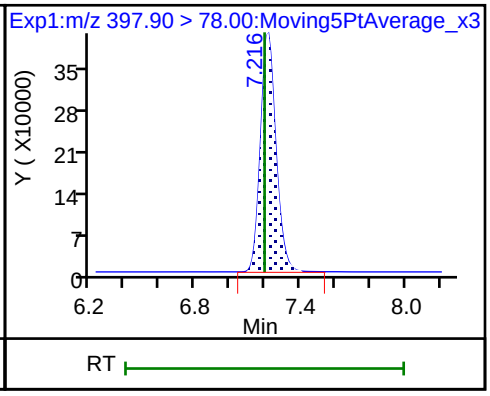
46 8:2FTS



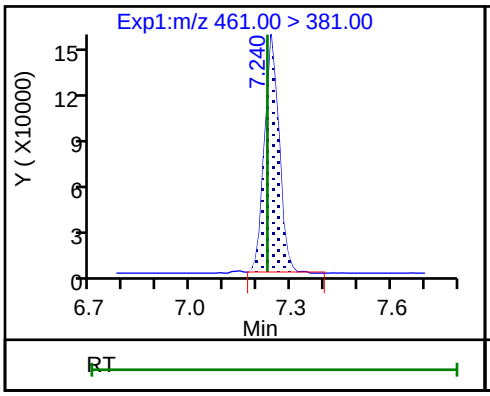
46 8:2FTS



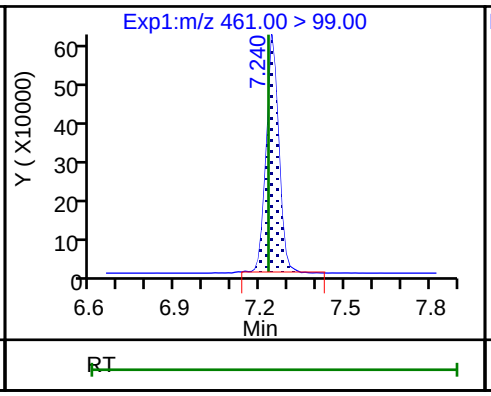
48 FHxSA



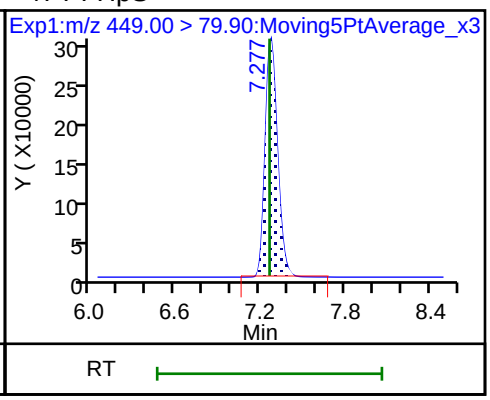
44 PFECHS



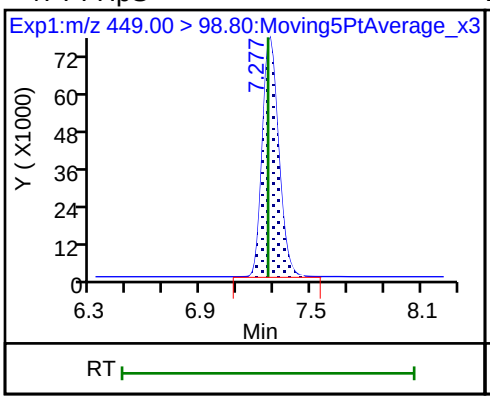
44 PFECHS



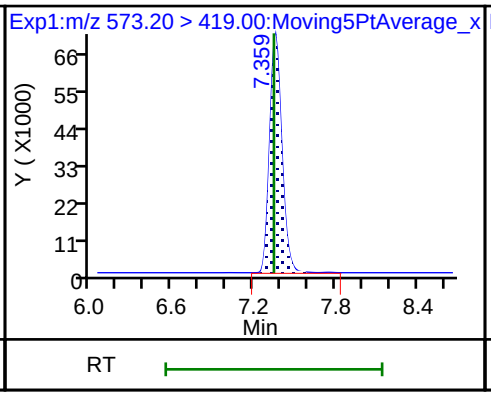
47 PFHpS



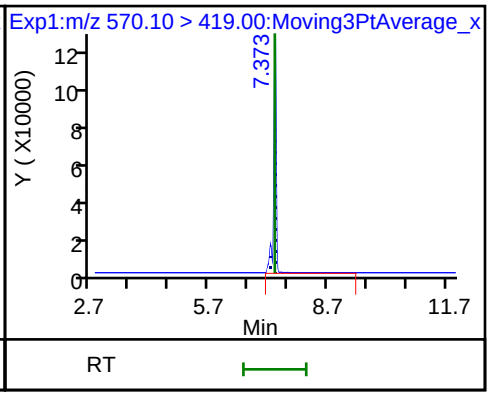
47 PFHpS



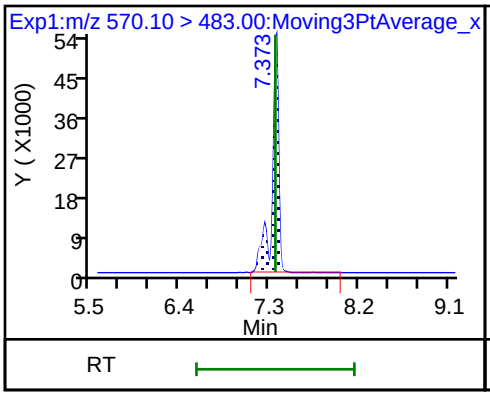
D 49 d3-NMeFOSAA



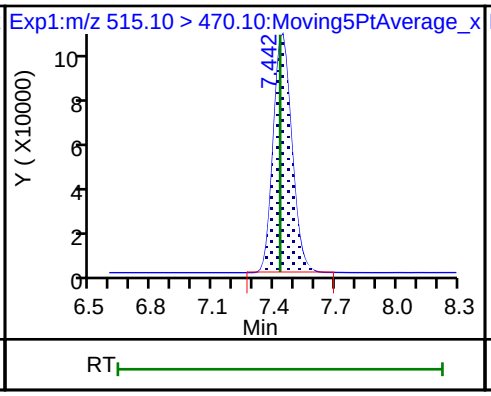
50 NMeFOSAA



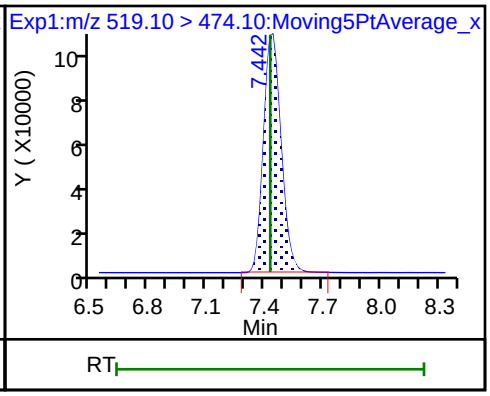
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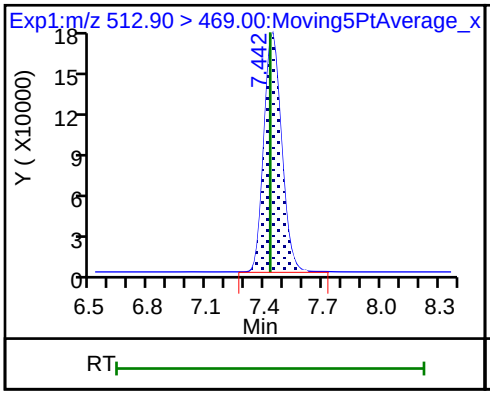
* 51 13C2 PFDA



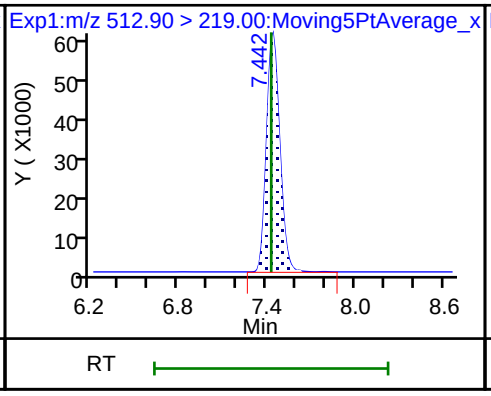
D 52 13C6 PFDA



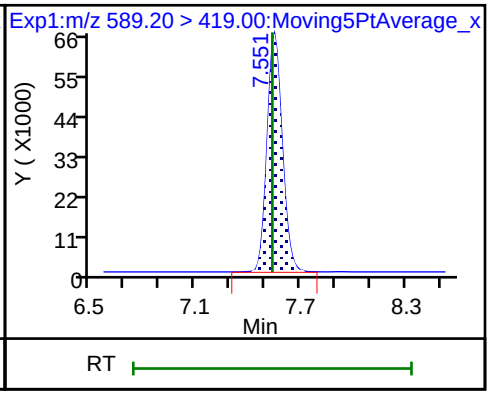
53 PFDA



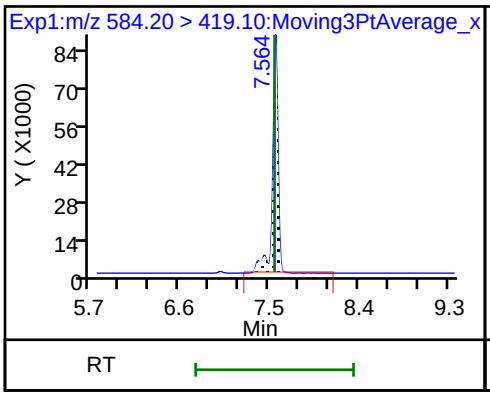
53 PFDA



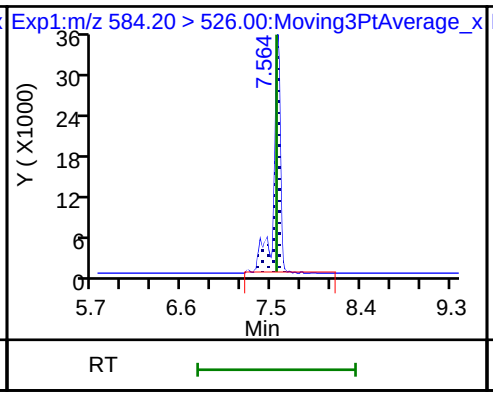
D 54 d5-NEtFOSAA



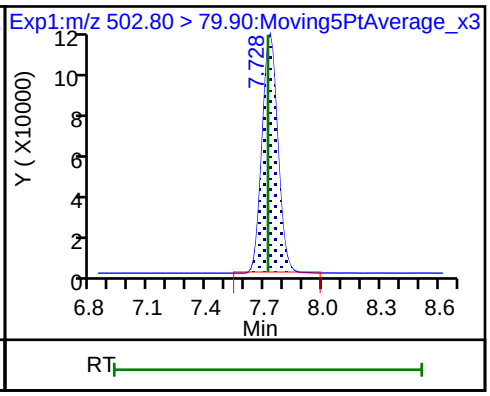
55 NEtFOSAA



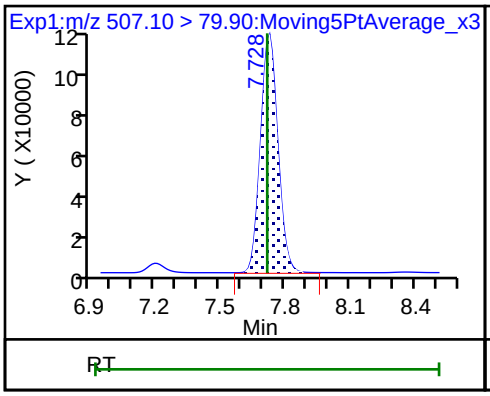
55 NEtFOSAA



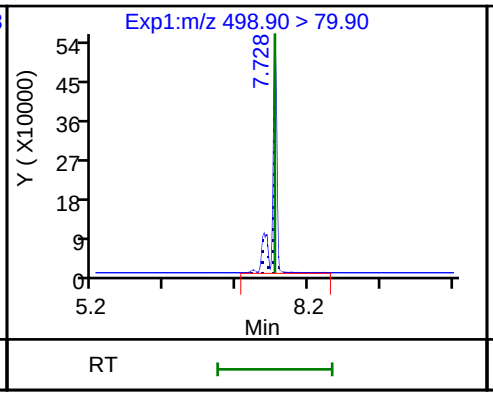
* 57 13C4 PFOS



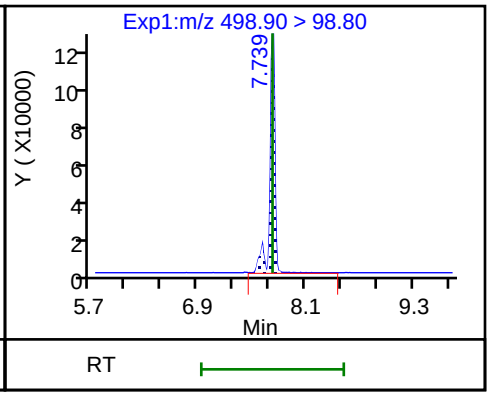
D 56 13C8 PFOS



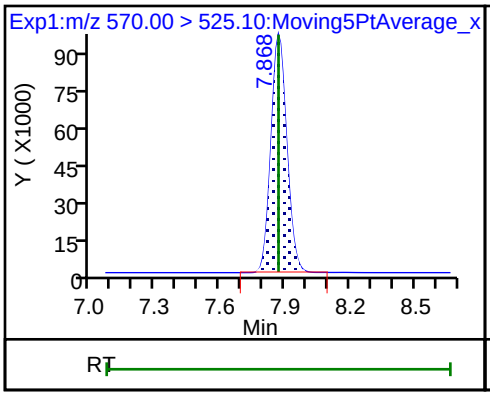
58 PFOS



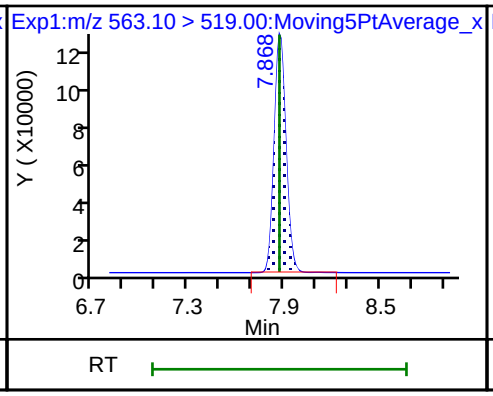
58 PFOS



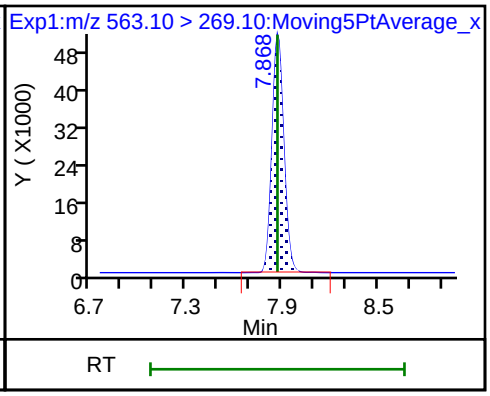
D 59 13C7 PFUnA



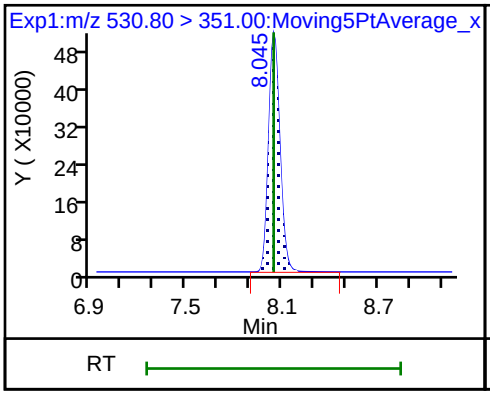
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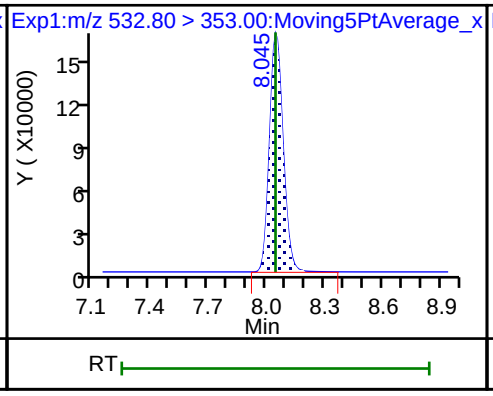
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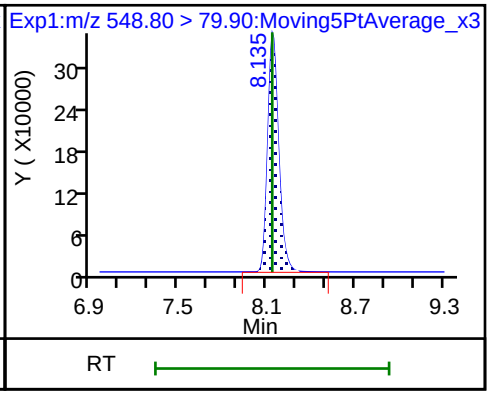
61 9ClFOS



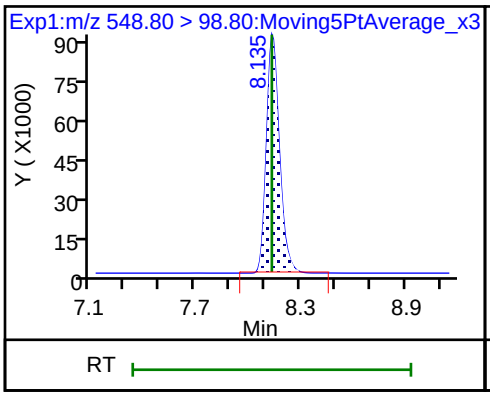
61 9ClFOS



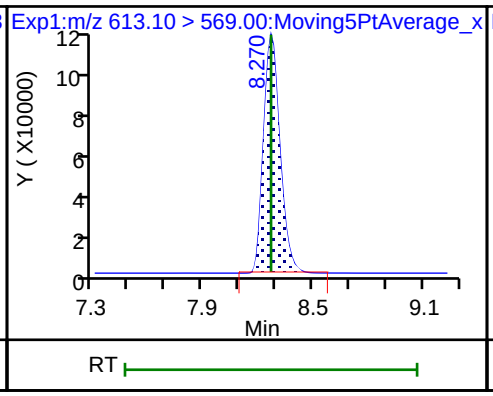
62 PFNS



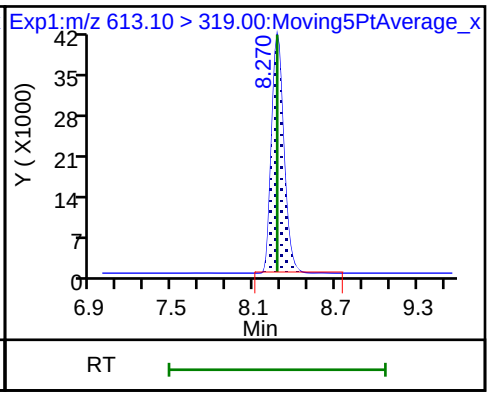
62 PFNS



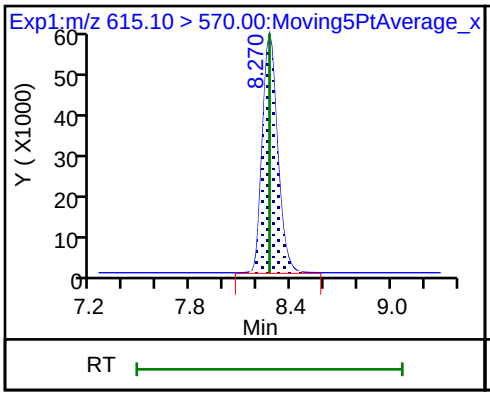
64 PFDoA



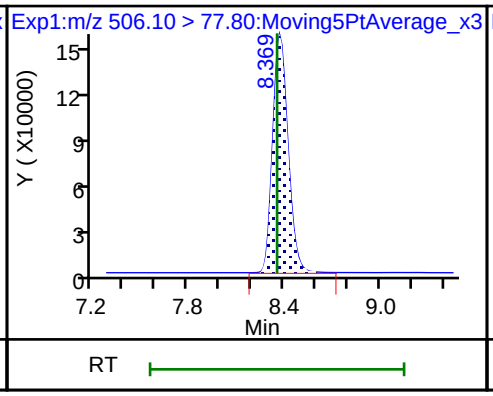
64 PFDoA



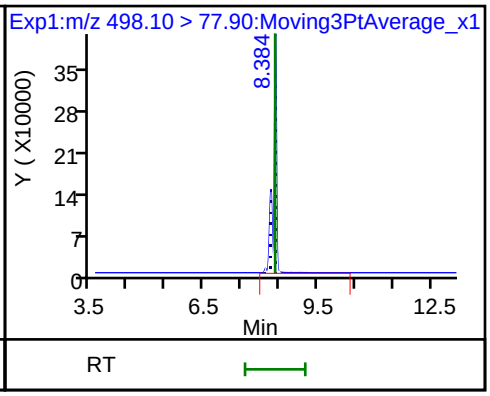
D 63 PFDoA



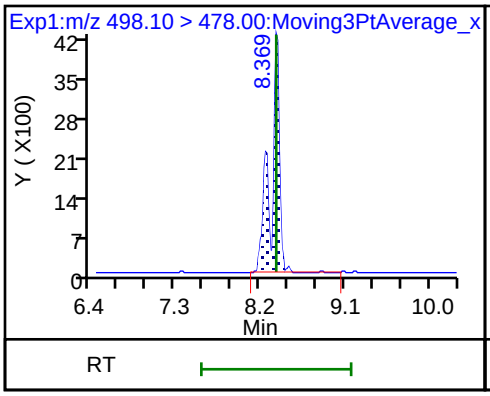
D 66 13C8 FOSA



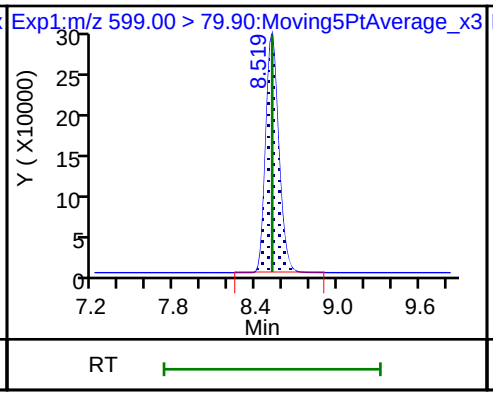
65 PFOSA



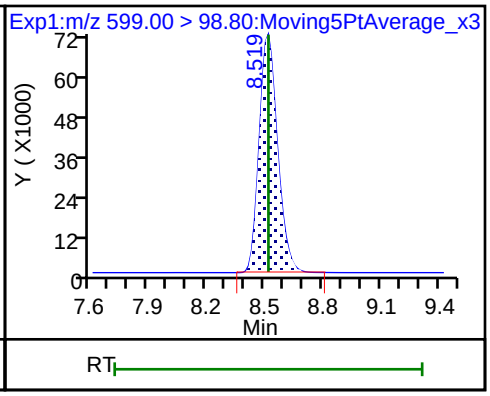
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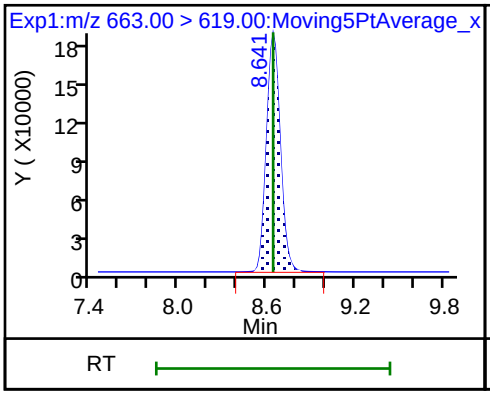
67 PFDS



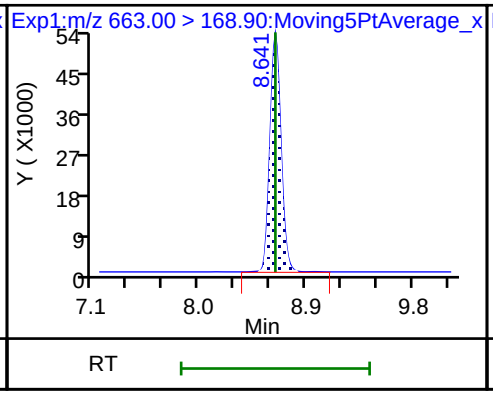
67 PFDS



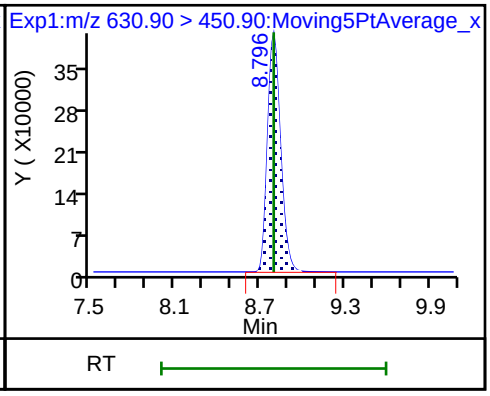
68 PFTrDA



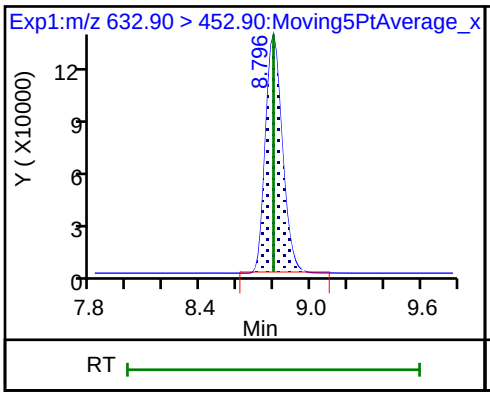
68 PFTrDA



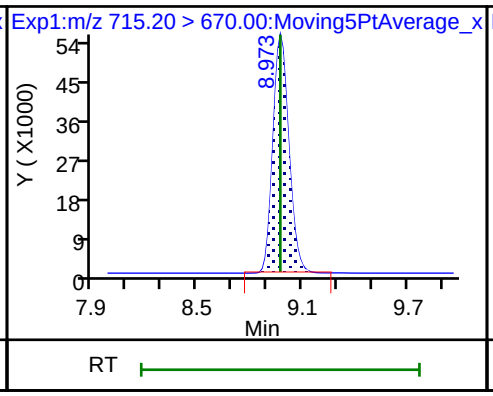
69 11ClFOS



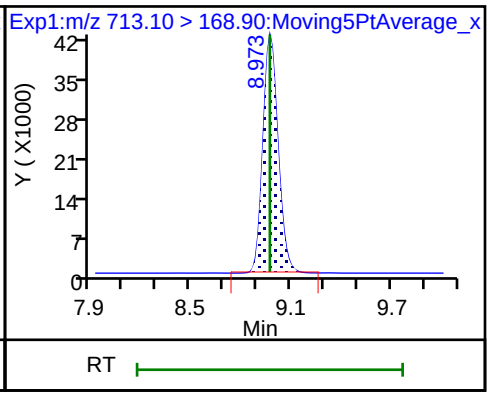
69 11ClFOS



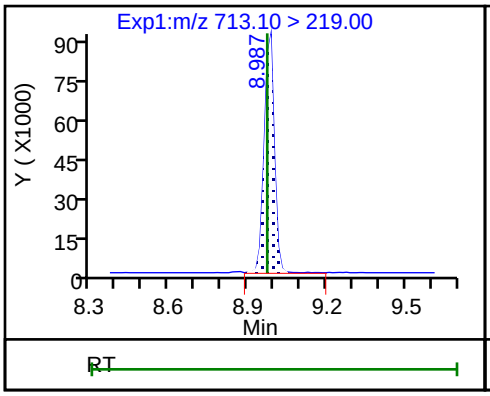
D 70 13C2 PFTeDA



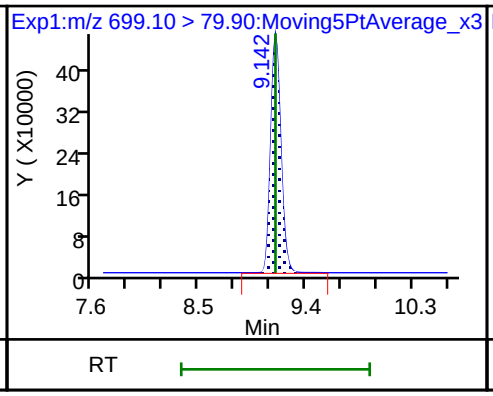
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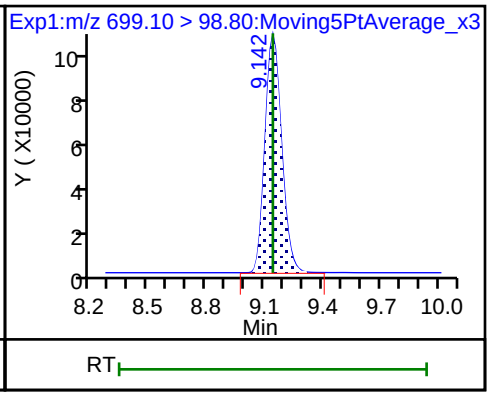
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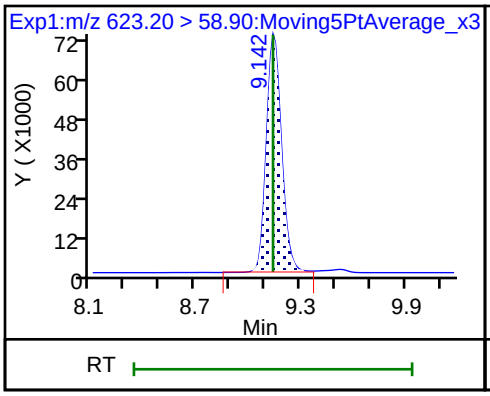
72 PFDoS



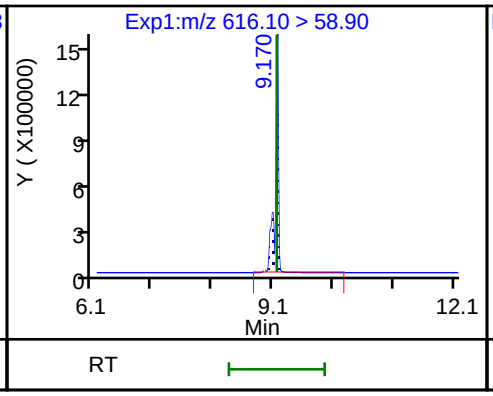
72 PFDoS



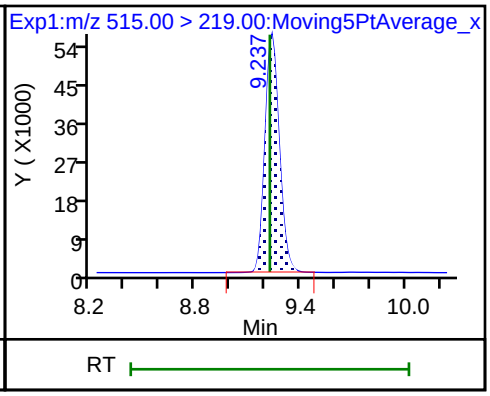
D 73 d7-N-Me-FOSE



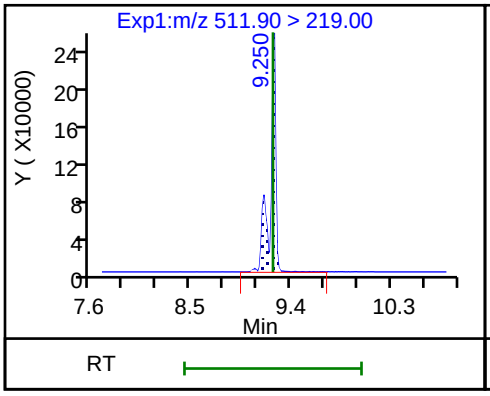
74 N-MeFOSE-M



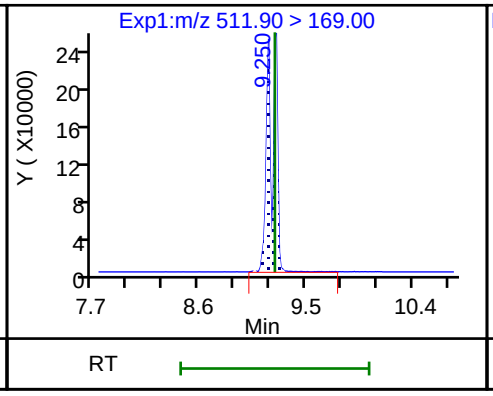
D 75 d3-NMePFOSA



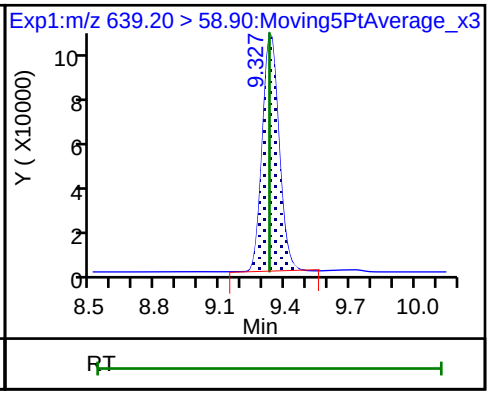
76 NMeFOSA



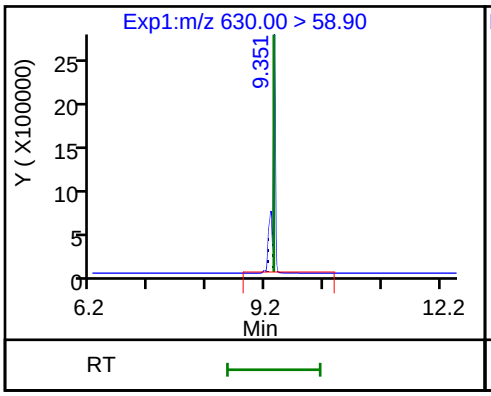
76 NMeFOSA



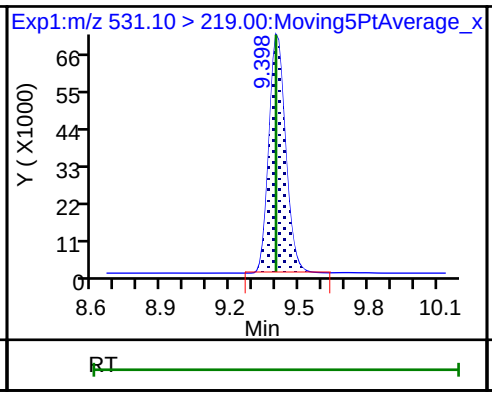
D 77 d9-N-EtFOSE



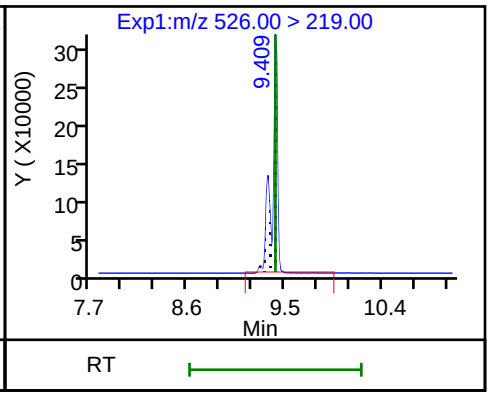
78 N-EtFOSE-M



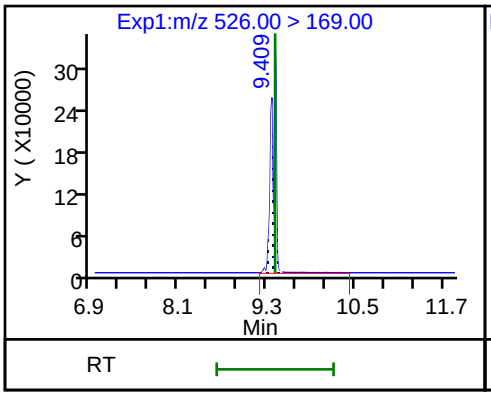
D 79 d5-NEtPFOSA



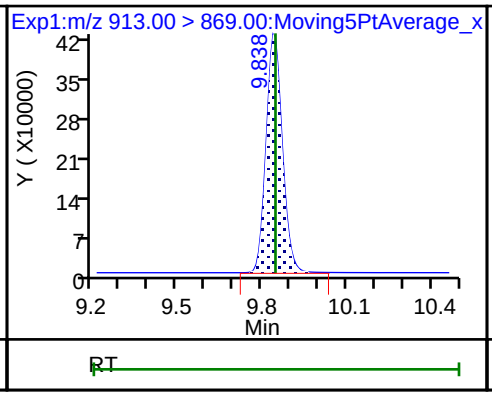
80 N-EtFOSA-M



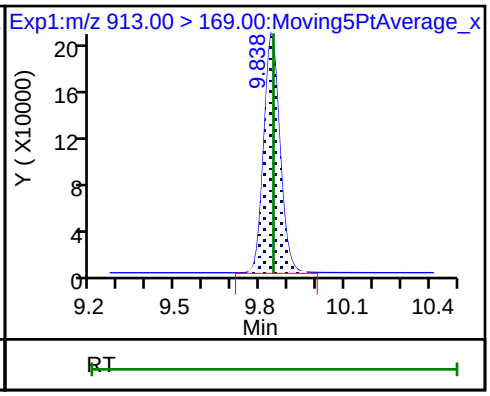
80 N-EtFOSA-M



81 Perfluorooctadecanoic acid



81 Perfluorooctadecanoic acid



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-07.d
Lims ID: IC CAL 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 03-Mar-2025 19:49:27 ALS Bottle#: 20008 Worklist Smp#: 7
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: IC CAL 7
Misc. Info.: Plate: 1 Rack: 1 410-0139703-007
Operator ID: ETUS023_USR_INS00054 Instrument ID: 30729
Sublist: chrom-30729_1633Final*sub1

Method: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\30729_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 06-Mar-2025 13:06:10 Calib Date: 03-Mar-2025 20:03:32
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-08.d

Column 1 : Det: EXP1
Process Host: CTX1635

First Level Reviewer: LDU5 Date: 04-Mar-2025 17:57:13
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
1 Perfluoropropionic acid										
163.00 > 119.00	1.877	1.885	-0.008	1.000	11099735	51.1		102	137572	
D 2 13C3PFPrA										
166.00 > 121.00	1.877	1.885	-0.008	0.422	393354	1.96		97.8	157	
5 PFBA										
212.80 > 168.90	4.452	4.443	0.009	1.000	6348653	20.4		102	198944	
D 3 13C4-PFBA										
216.80 > 171.90	4.452	4.443	0.009	1.000	619293	1.95		97.4	15752	
* 4 13C3PFBA										
216.00 > 172.00	4.452	4.443	0.009		719291	2.00			135	
6 PFMPA										
229.00 > 84.90	4.776	4.776	0.0	0.929	4274070	10.2		102	112438	
7 3:3 FTCA										
241.00 > 177.00	4.799	4.787	0.012	0.933	499007	20.7	Target=1.09	103	23050	
241.00 > 117.00	4.799	4.787	0.012	0.933	464806		1.07(0.54-1.63)	103	21532	
D 9 13C5 PFPeA										
268.30 > 223.00	5.143	5.132	0.011	0.904	482426	1.91		95.7	28553	
10 PFPA										
263.00 > 219.00	5.154	5.143	0.011	1.002	3964414	10.3		103	235121	
11 PFMBA										
279.00 > 85.10	5.331	5.320	0.011	1.037	4749823	10.3		103	285091	
D 12 13C2-4:2FTS										
329.10 > 80.90	5.479	5.469	0.010	0.803	268405	4.49		95.7	12013	
13 4:2FTS										
327.10 > 307.00	5.479	5.469	0.010	1.000	1622780	19.2	Target=1.32	103	97206	
327.10 > 80.90	5.479	5.469	0.010	1.000	1270082		1.28(0.66-1.98)	103	75061	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
15 NFDHA										
295.00 > 201.00	5.641	5.630	0.011	0.992	2323744	10.2	Target=1.24	102	138598	
295.00 > 84.90	5.641	5.630	0.011	0.992	1872791		1.24(0.62-1.86)	102	111641	
D 16 13C5 PFHxA										
318.00 > 273.00	5.688	5.677	0.011	1.000	774611	1.89		94.5	45180	
* 17 13C2 PFHxA										
315.10 > 270.00	5.688	5.677	0.011		1763620	5.00			103760	
18 PFHxA										
313.00 > 269.00	5.688	5.677	0.011	1.000	3709493	10.4	Target=10.40	104	217814	
313.00 > 118.90	5.688	5.677	0.011	1.000	352703		10.52(5.20-15.60)	104	20802	
20 5:3 FTCA										
341.00 > 237.10	5.764	5.751	0.013	1.013	3575314	51.6	Target=0.91	103	197060	
341.00 > 217.00	5.764	5.751	0.013	1.013	3928044		0.91(0.45-1.36)	103	216906	
14 FBSA										
297.90 > 78.00	5.792	5.764	0.028	0.995	4598051	10.7		107	1273124	
21 PFBS										
298.70 > 79.90	5.833	5.820	0.013	1.002	2883612	9.81	Target=2.88	111	139484	
298.70 > 98.80	5.833	5.820	0.013	1.002	929540		3.10(1.44-4.33)	111	45050	
D 19 13C3 PFBS										
302.10 > 79.90	5.820	5.820	0.0	0.853	800988	1.80		96.7	38425	
22 HFPO-DA										
284.90 > 168.90	5.889	5.875	0.014	1.000	3064651	7.26	Target=2.44	96.8	98599	
284.90 > 184.90	5.889	5.875	0.014	1.000	1268791		2.42(1.22-3.65)	96.8	50842	
D 23 13C3 HFPO-DA										
286.90 > 168.90	5.889	5.875	0.014	1.035	785464	1.96		98.0	42173	
25 PFEESA										
314.80 > 134.90	6.084	6.071	0.013	1.070	10847444	9.31	Target=11.17	104	560219	
314.80 > 82.90	6.084	6.071	0.013	1.070	943958		11.49(5.59-16.75)	104	48661	
D 27 13C4 PFHpA										
367.10 > 322.00	6.136	6.124	0.012	1.079	772883	1.96		97.8	33836	
28 PFHpA										
363.10 > 319.00	6.136	6.124	0.012	1.000	3504305	10.1	Target=2.26	101	202344	
363.10 > 169.00	6.136	6.124	0.012	1.000	1537978		2.28(1.13-3.39)	101	88629	
29 ADONA										
376.90 > 250.90	6.310	6.299	0.011	1.072	9074874	9.03	Target=1.59	95.5	12552	
376.90 > 84.80	6.299	6.299	0.0	1.070	5748132		1.58(0.79-2.38)	95.5	281839	
30 PFPeS										
349.10 > 79.90	6.351	6.341	0.010	0.931	3851989	9.09	Target=3.47	96.7	178857	
349.10 > 98.90	6.351	6.341	0.010	0.931	1118807		3.44(1.73-5.20)	96.7	69434	
32 6:2FTS										
427.10 > 407.00	6.351	6.341	0.010	1.000	1282232	19.3	Target=1.07	102	85999	
427.10 > 80.90	6.351	6.341	0.010	1.000	1161315		1.10(0.53-1.60)	102	77560	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.351	6.341	0.010	0.931	263331	4.46		93.7	17876	
33 BTS										M
280.00 > 147.00	6.528	6.528	0.0	0.957	10568625	10.1		103	162020	M
D 34 13C8 PFOA										
421.10 > 376.00	6.568	6.568	0.0	1.000	821013	2.02		101	41496	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 40 13C4 PFOA										
417.10 > 372.00	6.568	6.568	0.0		2107990	5.00			85089	
35 PFOA										
413.00 > 369.00	6.577	6.568	0.009	1.001	3098818	10.1	Target=1.66	101	1699	
413.00 > 169.00	6.577	6.568	0.009	1.001	1837680		1.69(0.83-2.49)	101	579	
36 7:3 FTCA										
441.00 > 316.90	6.627	6.616	0.011	1.165	3763468	54.1	Target=0.90	108	175396	
441.00 > 336.90	6.627	6.616	0.011	1.165	4066248		0.93(0.45-1.34)	108	125690	
* 38 18O2 PFHxS										
403.00 > 83.90	6.821	6.810	0.011		683758	1.89			40470	
D 37 13C3 PFHxS										
402.10 > 79.90	6.821	6.810	0.011	1.000	673915	1.90		100	29851	
39 PFHxS										
398.70 > 79.90	6.821	6.821	0.0	1.000	2080465	8.70	Target=3.28	95.4	10681	
398.70 > 98.90	6.821	6.821	0.0	1.000	590727		3.52(1.64-4.92)	95.4	4890	
D 41 13C9 PFNA										
472.10 > 427.00	7.002	6.990	0.012	1.000	678323	2.17		108	40329	
* 42 13C5 PFNA										
468.00 > 423.00	7.002	6.990	0.012		638465	2.00			37667	
43 PFNA										
463.00 > 419.00	7.014	7.002	0.012	1.002	2946409	10.2	Target=2.26	102	30499	
463.00 > 219.00	7.014	7.002	0.012	1.002	1345132		2.19(1.13-3.38)	102	4399	
D 45 13C2-8:2FTS										
529.10 > 80.90	7.193	7.182	0.011	1.055	303710	4.79		99.8	18122	
46 8:2FTS										
527.10 > 507.00	7.193	7.182	0.011	1.000	872803	18.5	Target=0.73	96.4	51797	
527.10 > 80.80	7.193	7.182	0.011	1.000	1246179		0.70(0.36-1.09)	96.4	74164	
48 FHxSA										
397.90 > 78.00	7.217	7.193	0.024	1.058	5017257	10.0		100	164321	
44 PFECHS										a
461.00 > 381.00	7.252	7.229	0.023	1.063	947888	9.83	Target=0.24	106	765	a
461.00 > 99.00	7.240	7.229	0.011	1.061	3944752		0.24(0.12-0.35)	106	1179733	
47 PFHpS										
449.00 > 79.90	7.278	7.265	0.013	0.943	3795282	9.61	Target=3.81	101	207536	
449.00 > 98.80	7.278	7.265	0.013	0.943	988922		3.84(1.91-5.72)	101	53759	
D 49 d3-NMeFOSAA										
573.20 > 419.00	7.360	7.346	0.014	0.952	425129	5.04		101	22747	
50 NMeFOSAA										
570.10 > 419.00	7.360	7.360	0.0	1.000	997476	9.85	Target=2.23	98.5	5115	
570.10 > 483.00	7.373	7.360	0.013	1.002	493999		2.02(1.12-3.35)	98.5	908	
* 51 13C2 PFDA										
515.10 > 470.10	7.428	7.428	0.0		627529	2.00			32761	
D 52 13C6 PFDA										
519.10 > 474.10	7.442	7.428	0.014	1.002	640102	1.98		99.2	33406	
53 PFDA										
512.90 > 469.00	7.442	7.428	0.014	1.000	2421773	10.3	Target=2.91	103	128239	
512.90 > 219.00	7.442	7.428	0.014	1.000	807437		3.00(1.46-4.37)	103	43048	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.551	7.538	0.013	0.977	379466	5.14		103	20637	
55 NEtFOSAA										
584.20 > 419.10	7.564	7.551	0.013	1.002	671591	10.1	Target=1.98	101	268	
584.20 > 526.00	7.564	7.551	0.013	1.002	333936		2.01(0.99-2.97)	101	514	
* 57 13C4 PFOS										
502.80 > 79.90	7.729	7.717	0.013		624613	1.91			36651	
D 56 13C8 PFOS										
507.10 > 79.90	7.716	7.717	0.0	0.998	579479	1.94		101	2831	
58 PFOS										
498.90 > 79.90	7.729	7.729	0.0	1.002	4405648	9.75	Target=4.40	105	3146	
498.90 > 98.80	7.729	7.729	0.0	1.002	985804		4.47(2.20-6.59)	105	2064	
D 59 13C7 PFUnA										
570.00 > 525.10	7.869	7.869	0.0	1.059	533409	2.08		104	35181	
60 PFUnA										
563.10 > 519.00	7.869	7.869	0.0	1.000	1434881	9.96	Target=2.30	99.6	70893	
563.10 > 269.10	7.869	7.869	0.0	1.000	569755		2.52(1.15-3.45)	99.6	37284	
61 9ClFOS										
530.80 > 351.00	8.045	8.045	0.0	1.366	5211958	9.18	Target=3.09	98.3	353427	
532.80 > 353.00	8.045	8.045	0.0	1.366	1614041		3.23(1.54-4.63)	98.3	109669	
62 PFNS										
548.80 > 79.90	8.135	8.135	0.0	1.054	3652979	9.73	Target=3.74	101	238133	
548.80 > 98.80	8.135	8.135	0.0	1.054	989380		3.69(1.87-5.61)	101	64315	
64 PFDoA										
613.10 > 569.00	8.270	8.271	-0.001		1480417	9.39	Target=2.66	93.9	79272	
613.10 > 319.00	8.270	8.271	-0.001		537627		2.75(1.33-4.00)	93.9	28801	
D 63 PFDoA										
615.10 > 570.00	8.270	8.271	-0.001	1.113	400956	2.14		107	21340	
D 66 13C8 FOSA										
506.10 > 77.80	8.369	8.354	0.015	1.083	1052803	2.12		106	31669	
65 PFOSA										
498.10 > 77.90	8.369	8.369	0.0	1.000	4770332	9.88	Target=73.16	98.8	30234	
498.10 > 478.00	8.369	8.369	0.0	1.000	65155		73.22(36.58-109.75)	98.8	11616	
67 PFDS										
599.00 > 79.90	8.504	8.519	-0.015	1.102	3890020	9.53	Target=4.05	98.8	194796	
599.00 > 98.80	8.504	8.519	-0.015	1.102	938374		4.15(2.03-6.08)	98.8	46921	
68 PFTrDA										
663.00 > 619.00	8.641	8.641	0.0	0.963	2382063	9.50	Target=3.35	95.0	120724	
663.00 > 168.90	8.641	8.641	0.0	0.963	745173		3.20(1.67-5.02)	95.0	37901	
69 11ClFOS										
630.90 > 450.90	8.795	8.795	0.0	1.494	5378794	9.16	Target=2.94	97.0	276657	
632.90 > 452.90	8.795	8.795	0.0	1.494	1660932		3.24(1.47-4.42)	97.0	85481	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.972	8.972	0.0	1.208	335353	2.00		100	17526	
71 PFTeDA										
713.10 > 168.90	8.972	8.972	0.0	1.000	562427	10.2	Target=1.12	102	29510	
713.10 > 219.00	8.972	8.972	0.0	1.000	513786		1.09(0.56-1.68)	102	790	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
72 PFDoS										
699.10 > 79.90	9.142	9.142	0.0	1.185	5673392	9.59	Target=4.47	98.9	235473	
699.10 > 98.80	9.142	9.142	0.0	1.185	1226149		4.63(2.24-6.71)	98.9	67780	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.142	9.142	0.0	1.183	451575	5.43		109	6245	
74 N-MeFOSE-M										
616.10 > 58.90	9.169	9.156	0.013	1.003	11415271	47.8		95.5	47874	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.236	9.224	0.012	1.195	322922	2.10		105	11343	
76 NMeFOSA										
511.90 > 219.00	9.249	9.237	0.012	1.001	1701730	9.85	Target=0.69	98.5	2641	
511.90 > 169.00	9.249	9.237	0.012	1.001	2497252		0.68(0.34-1.03)	98.5	15081	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.326	9.327	-0.001	1.207	520405	5.13		103	8086	
78 N-EtFOSE-M										
630.00 > 58.90	9.351	9.339	0.012	1.003	16629665	51.1		102	40460	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.398	9.398	0.0	1.216	357968	2.10		105	17861	
80 N-EtFOSA-M										
526.00 > 219.00	9.409	9.409	0.0	1.001	2103180	9.76	Target=0.78	97.6	11630	
526.00 > 169.00	9.409	9.409	0.0	1.001	2757084		0.76(0.39-1.16)	97.6	725111	
81 Perfluorooctadecanoic acid										
913.00 > 869.00	9.830	9.847	-0.017	1.096	3610764	10.2	Target=2.08	102	65614	
913.00 > 169.00	9.830	9.847	-0.017	1.096	1687008		2.14(1.04-3.12)	102	42564	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

1633_125_CAL7_00018 Amount Added: 1.00 Units: mL

Report Date: 06-Mar-2025 13:06:12 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-07.d

Injection Date: 03-Mar-2025 19:49:27 Instrument ID: 30729

Lims ID: IC CAL 7

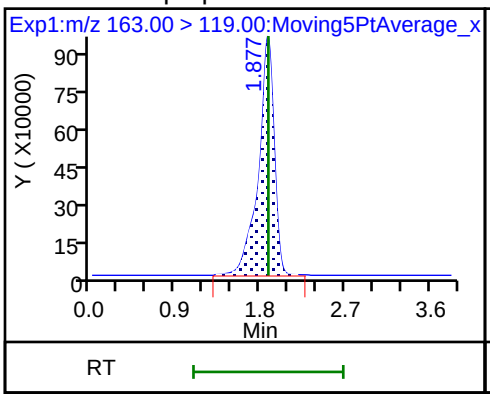
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Operator ID: ETUS023_USR_INS00054 ALS Bottle#: 20008 Worklist Smp#: 7

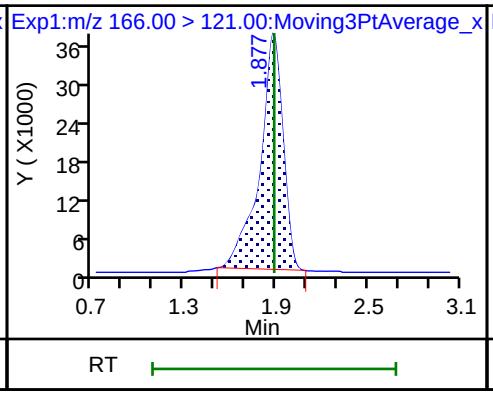
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 30729_1633Final Limit Group: LC - 1633 LVI- ICAL

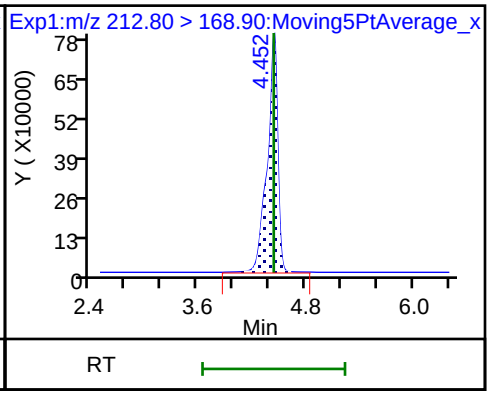
1 Perfluoropropionic acid



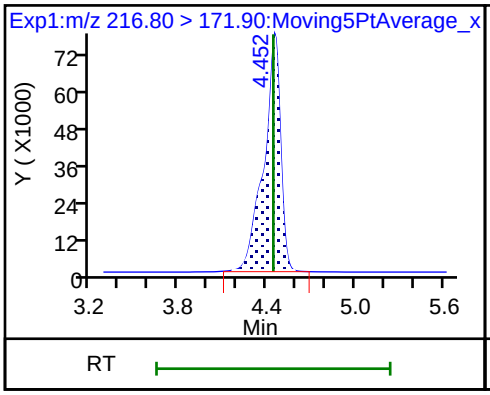
D 2 13C3PFPrA



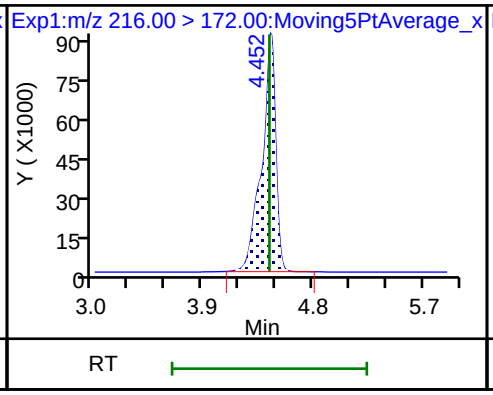
5 PFBA



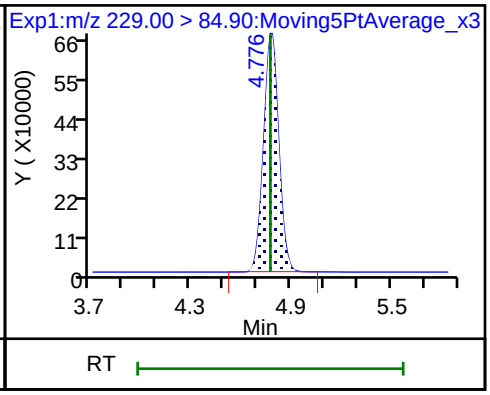
D 3 13C4-PFBA



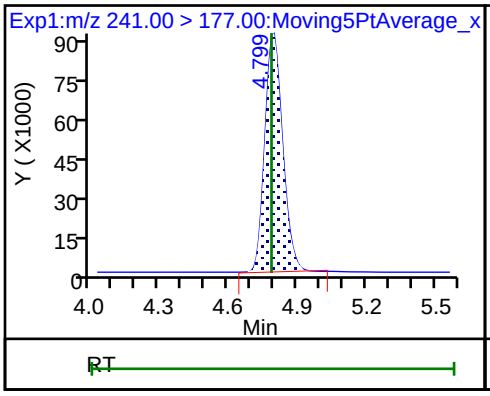
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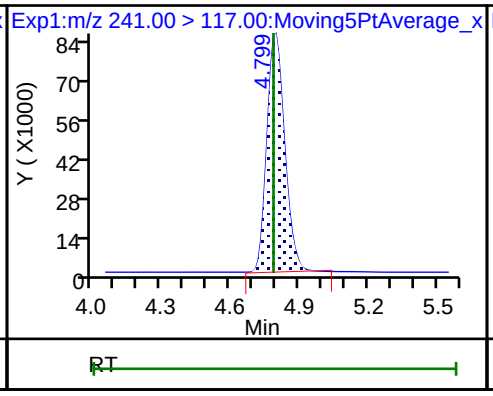
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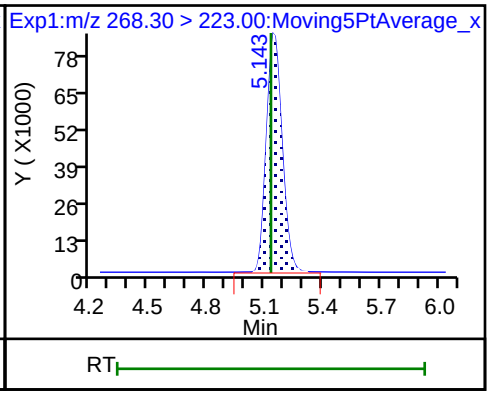
7 3:3 FTCA



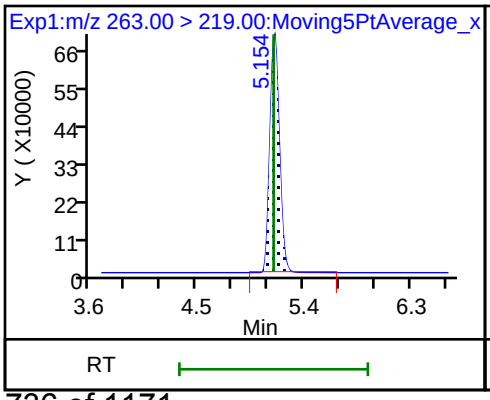
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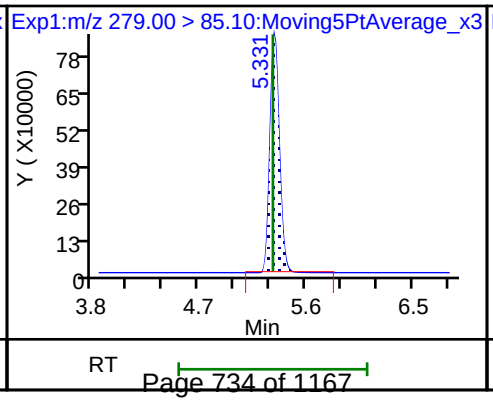
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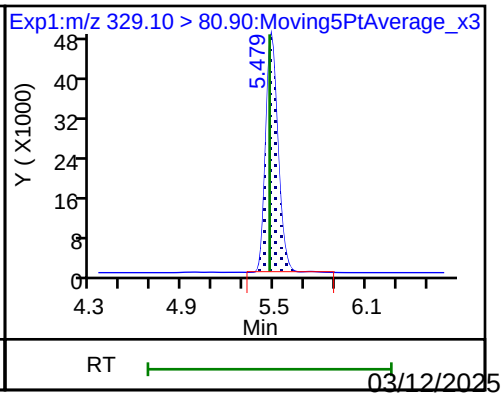
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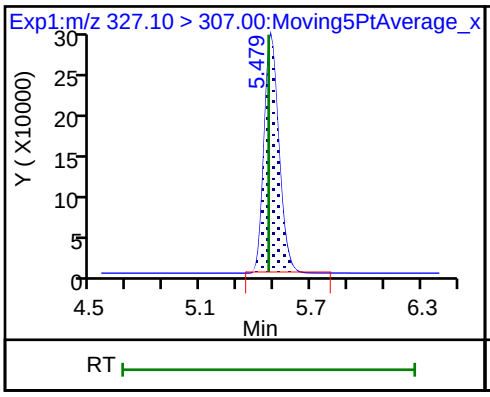
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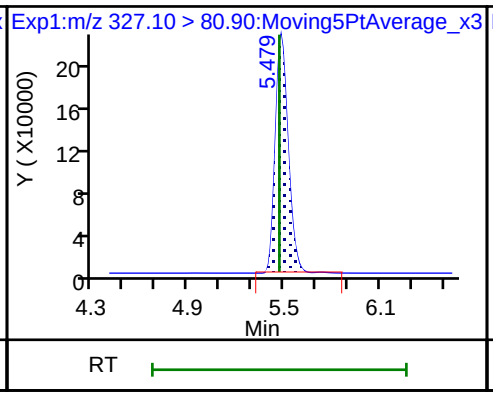
D 12 13C2-4:2FTS



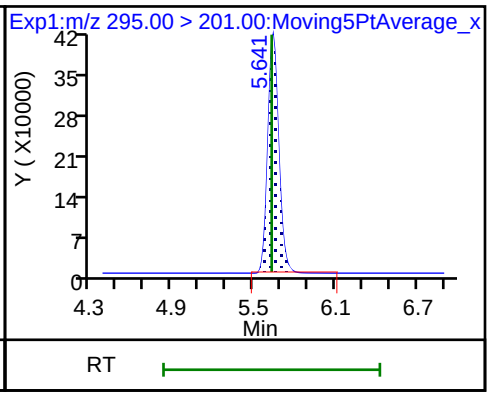
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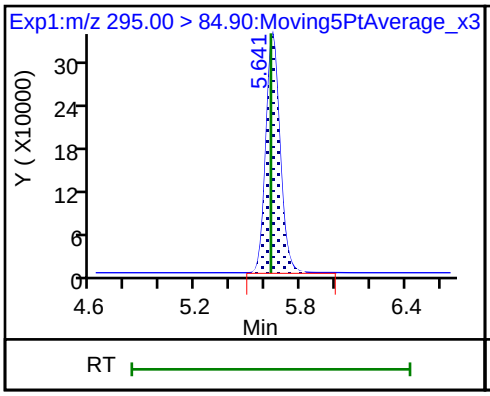
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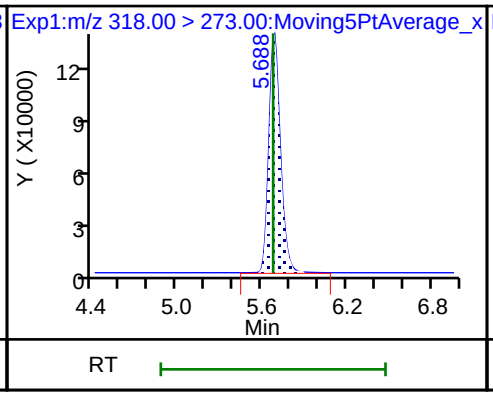
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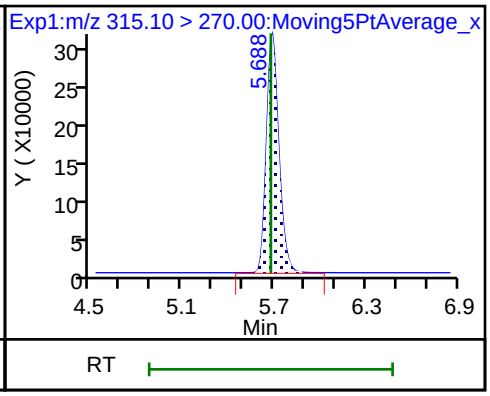
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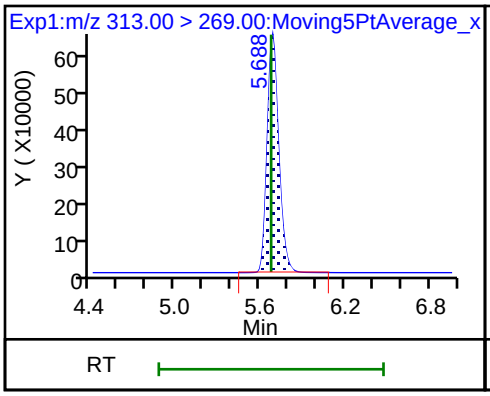
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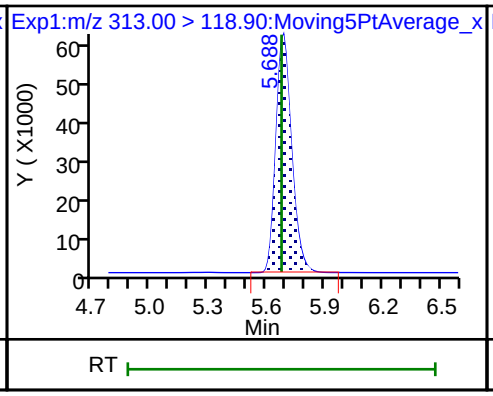
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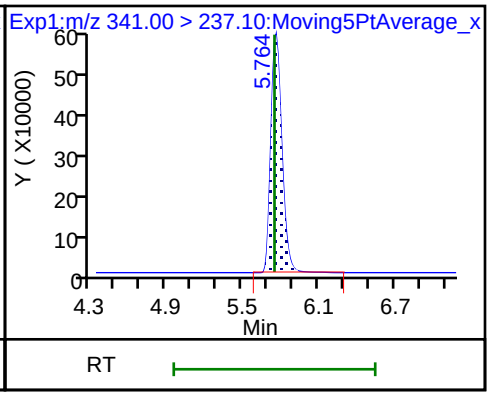
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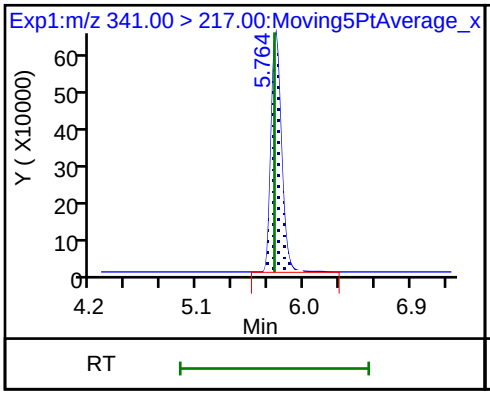
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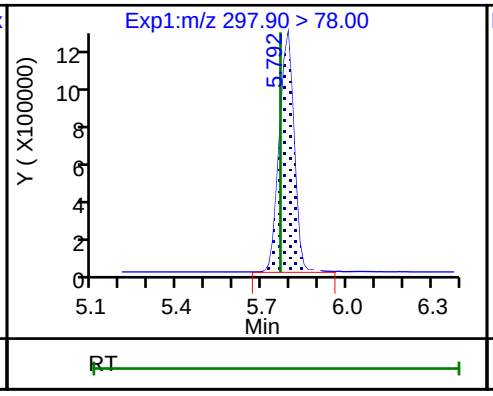
20 5:3 FTCA



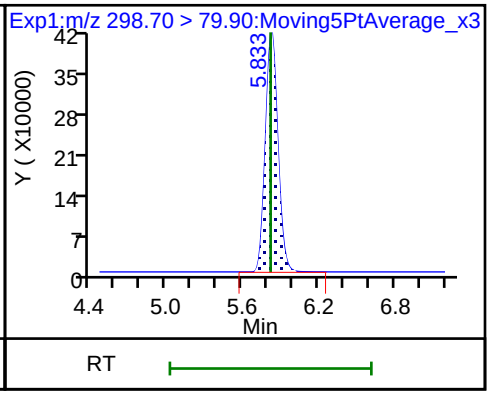
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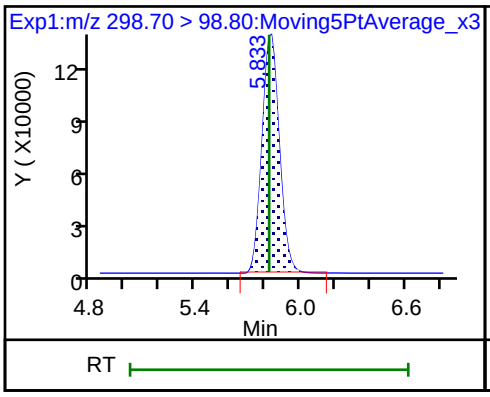
14 FBSA



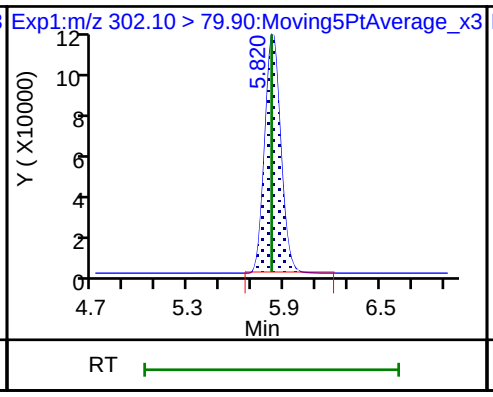
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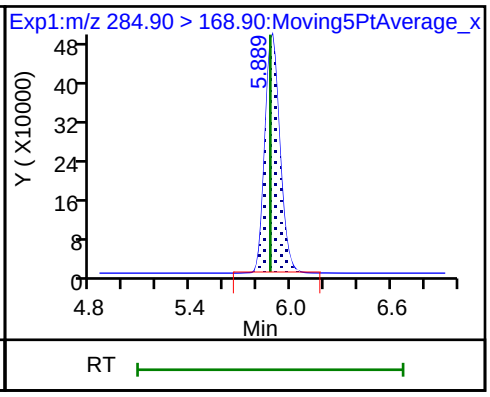
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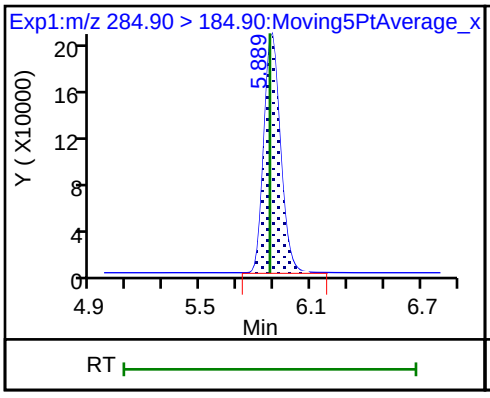
D 19 13C3 PFBS



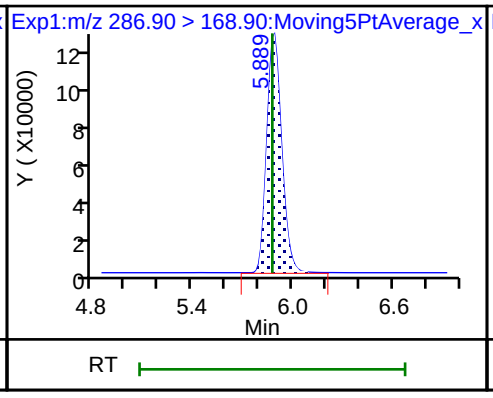
22 HFPO-DA



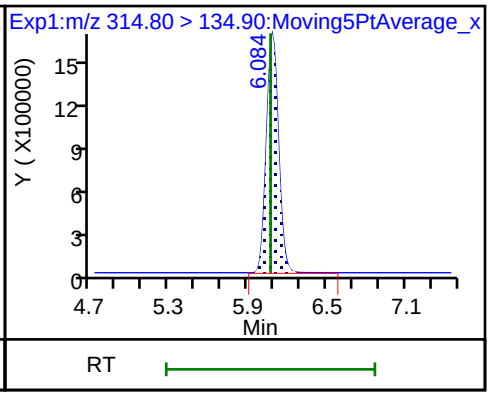
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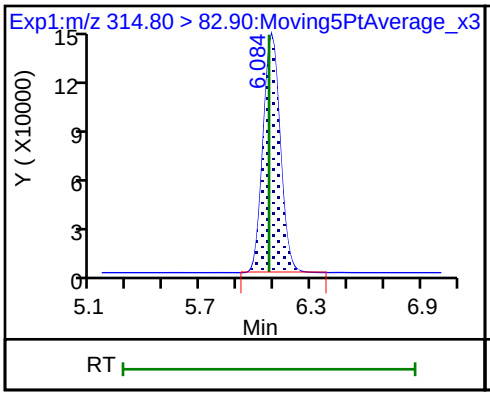
D 23 13C3 HFPO-DA



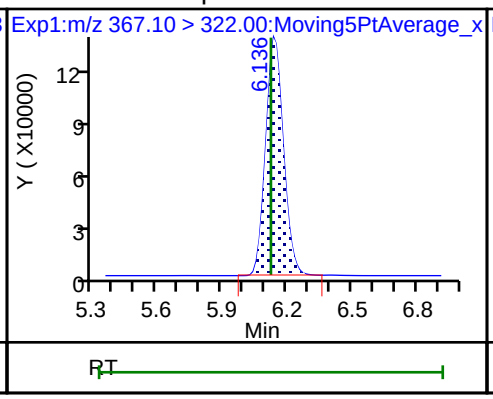
25 PFEESA



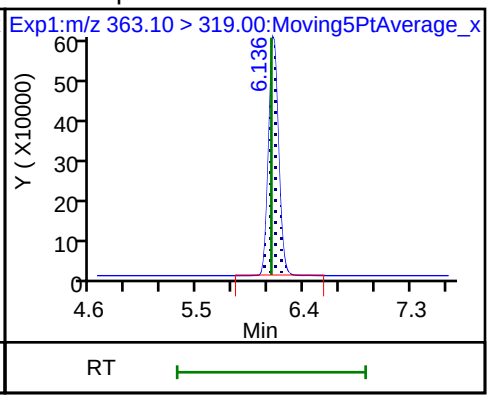
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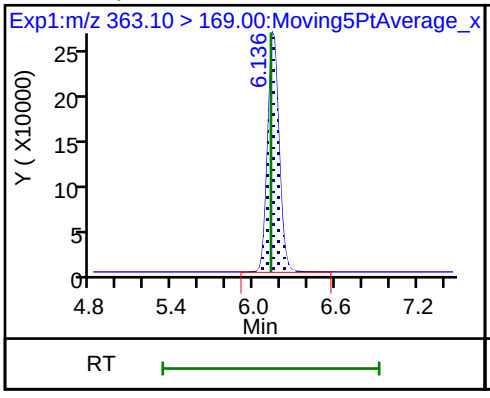
D 27 13C4 PFHpA



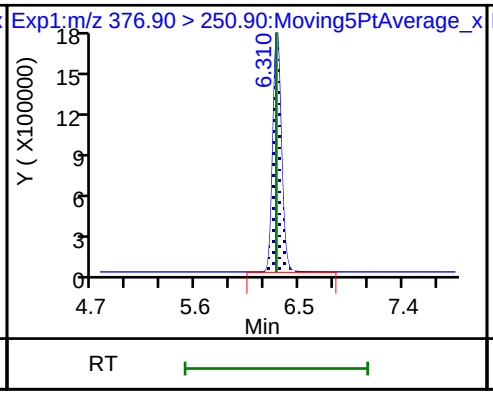
28 PFHpA



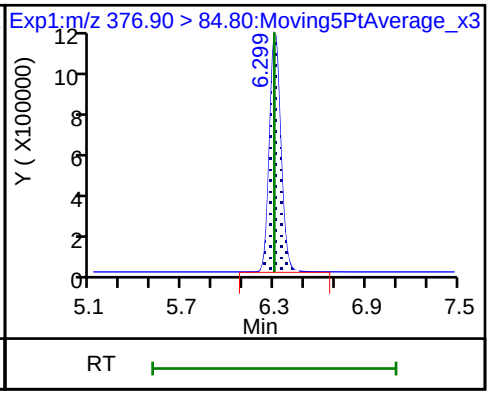
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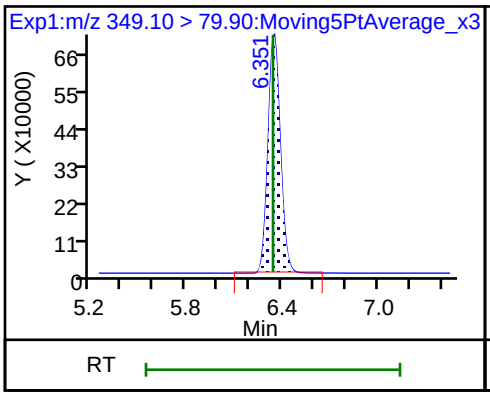
29 ADONA



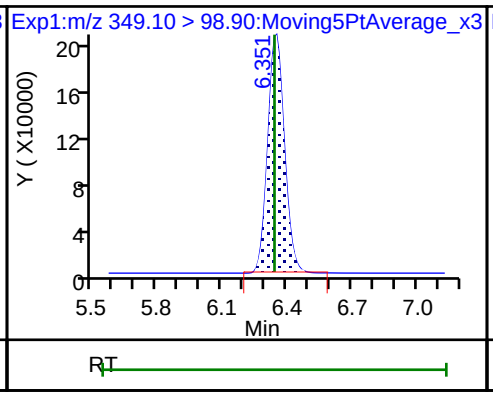
29 ADONA



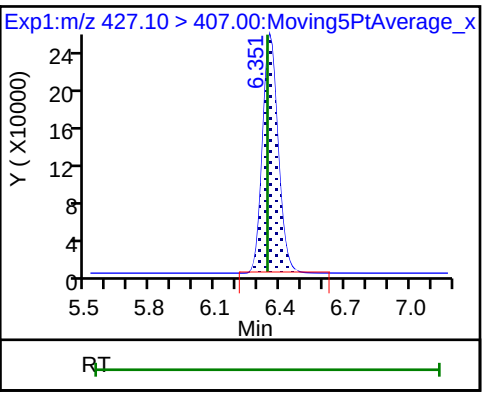
30 PFPeS



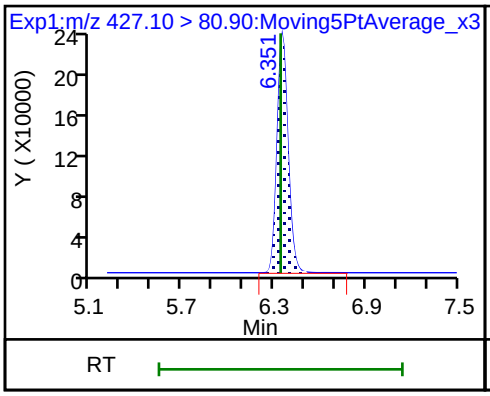
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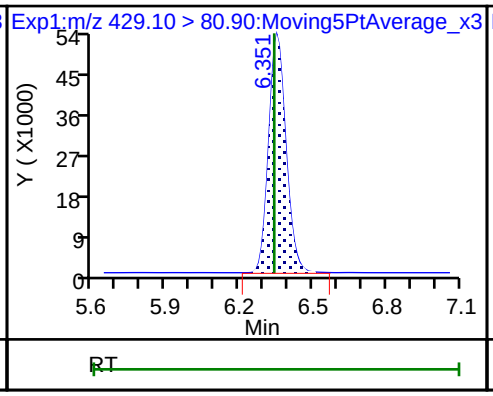
32 6:2FTS



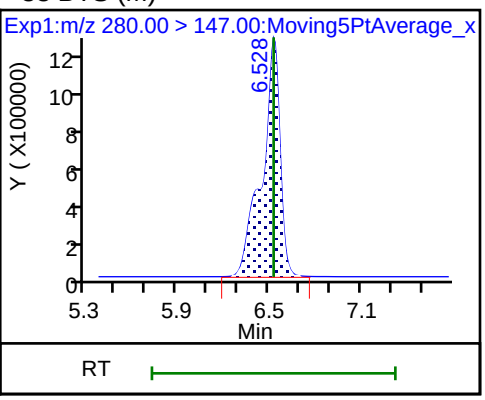
32 6:2FTS



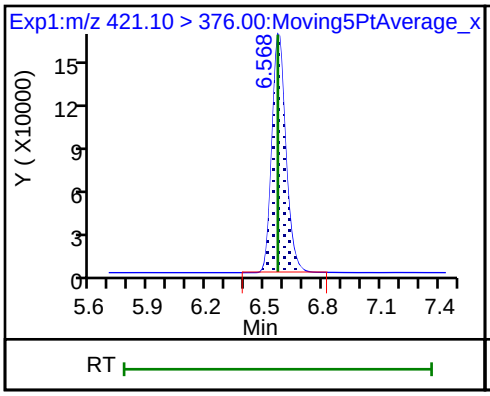
D 31 13C2-6:2FTS



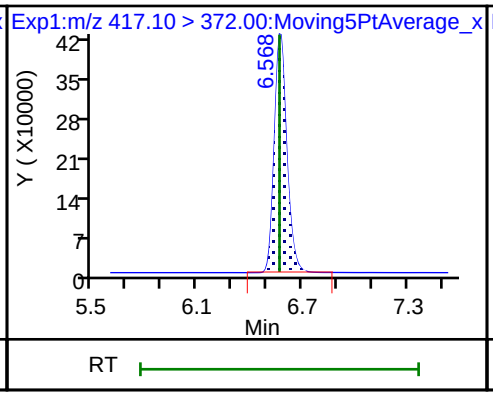
33 BTS (M)



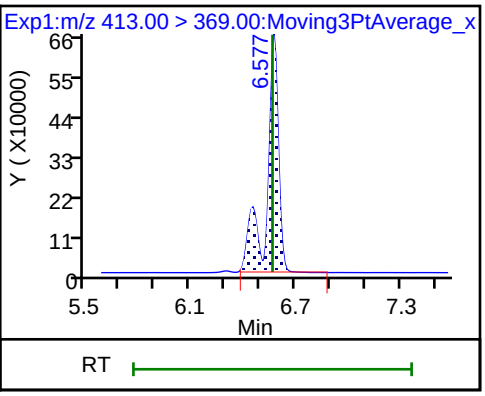
D 34 13C8 PFOA



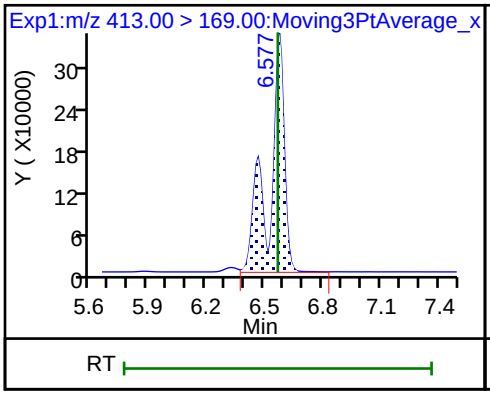
* 40 13C4 PFOA



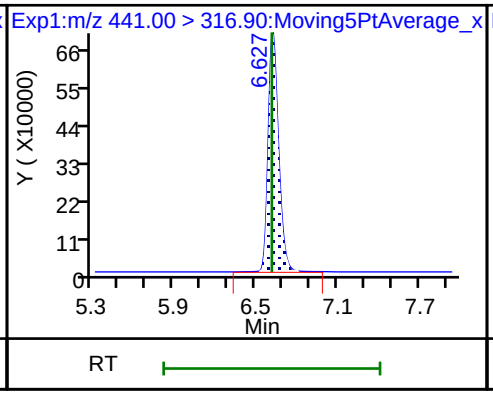
35 PFOA



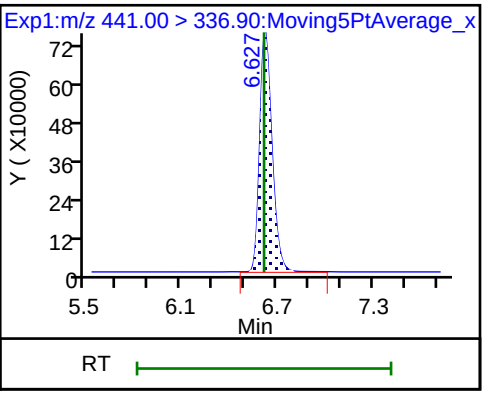
35 PFOA



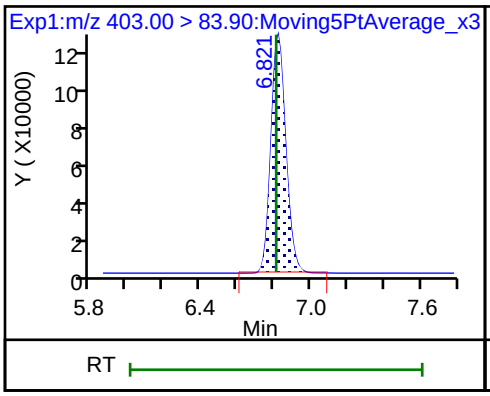
36 7:3 FTCA



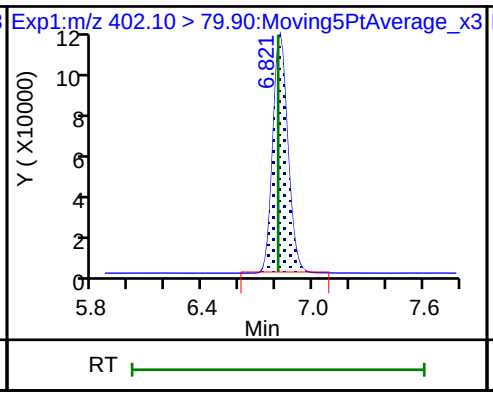
36 7:3 FTCA



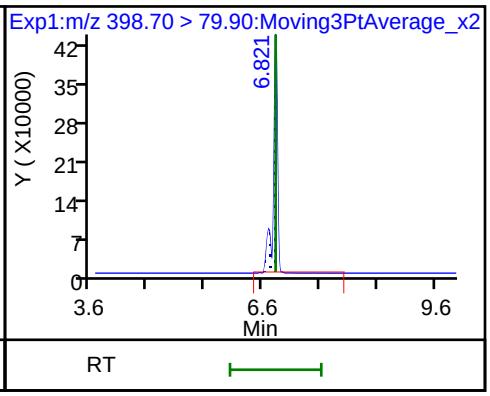
* 38 18O2 PFHxS



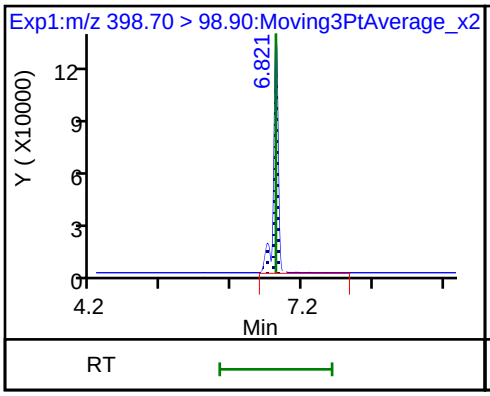
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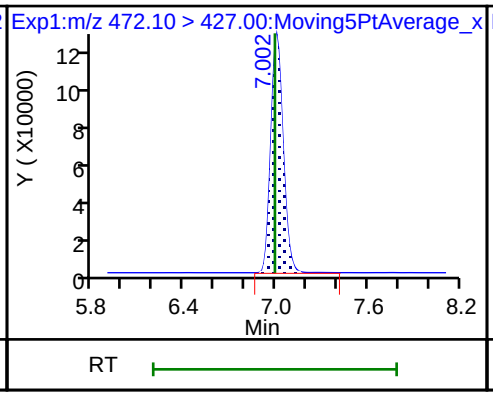
39 PFHxS



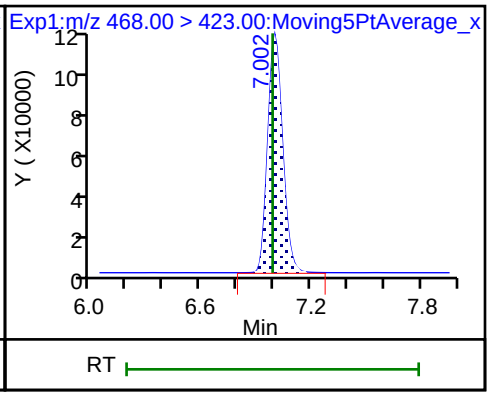
39 PFHxS



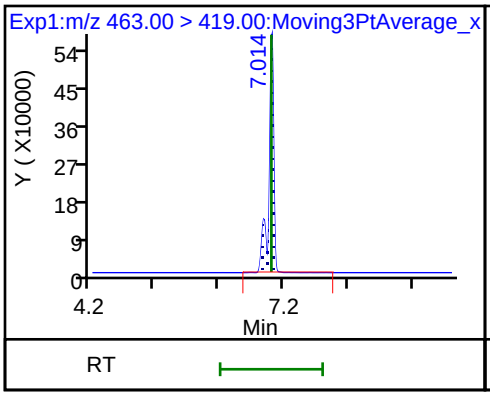
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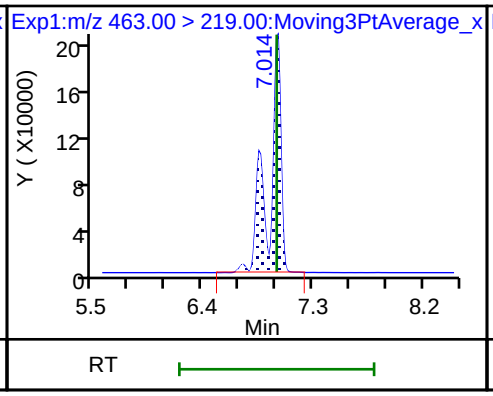
* 42 13C5 PFNA



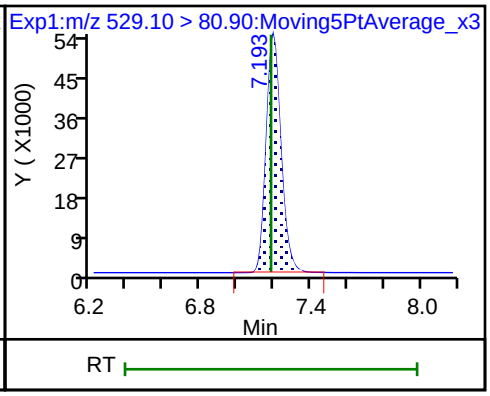
43 PFNA



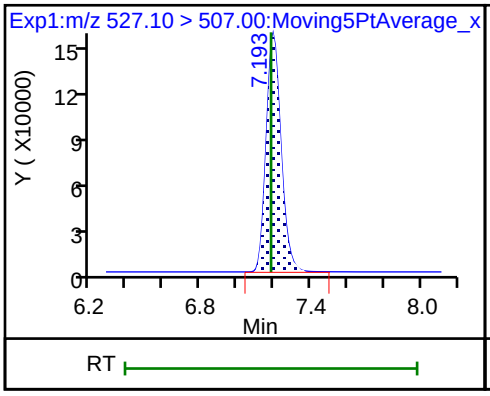
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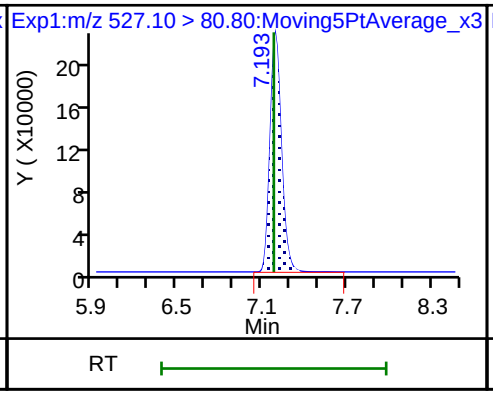
D 45 13C2-8:2FTS



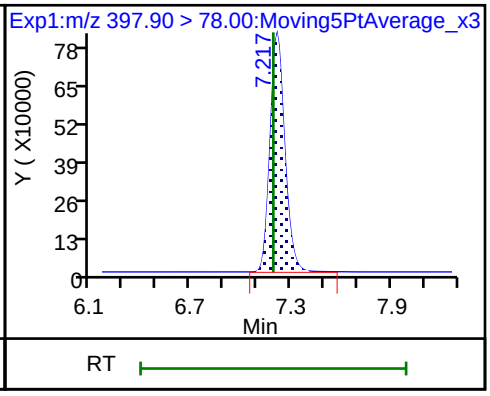
46 8:2FTS



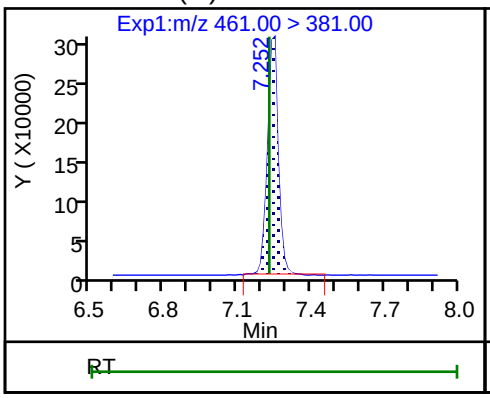
46 8:2FTS



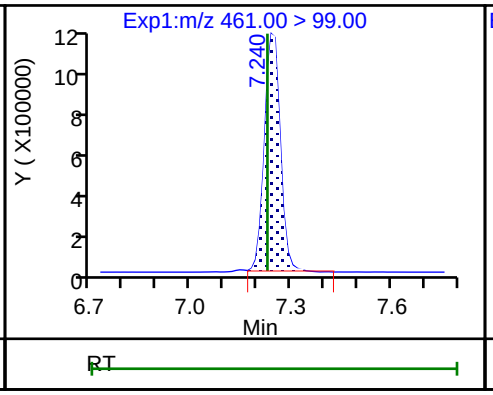
48 FHxSA



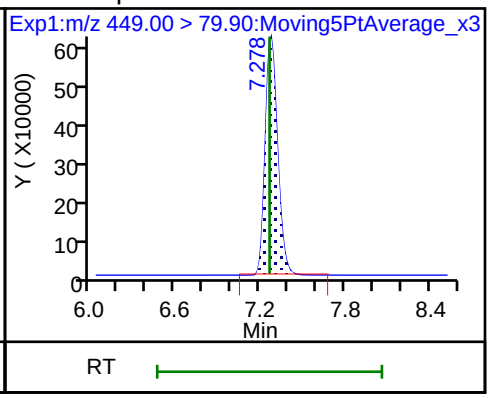
44 PFECHS (M)



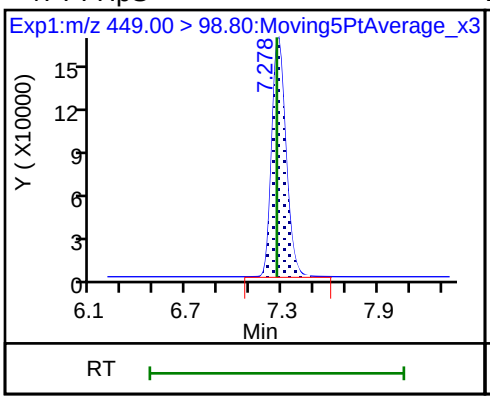
44 PFECHS



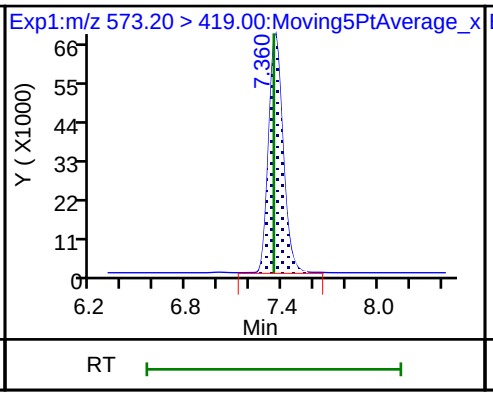
47 PFHpS



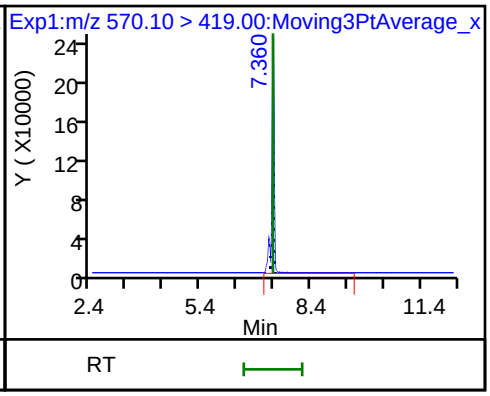
47 PFHpS



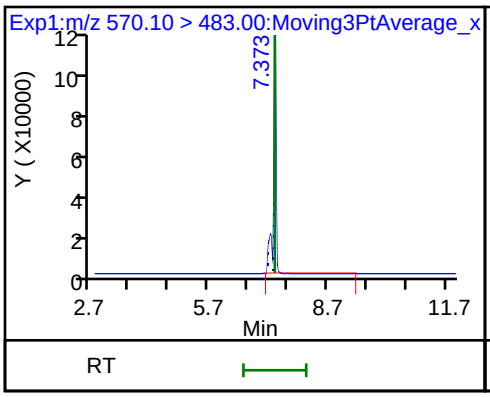
D 49 d3-NMeFOSAA



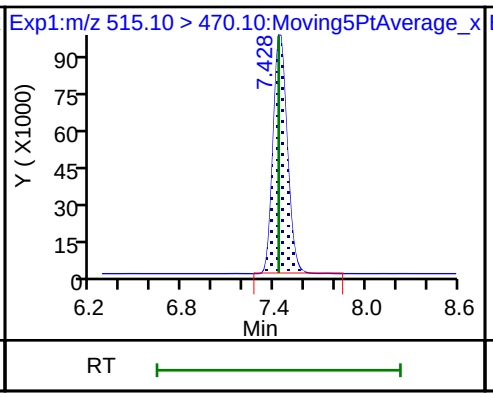
50 NMeFOSAA



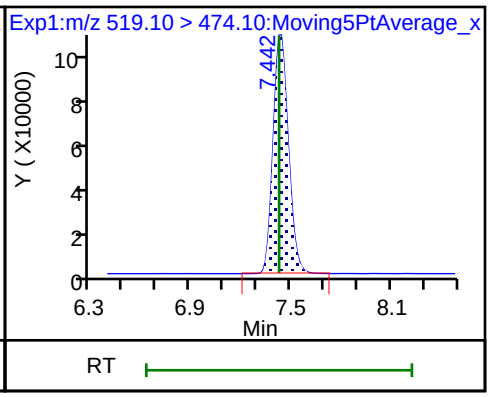
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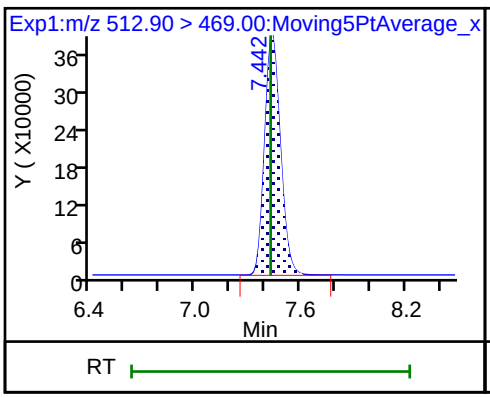
* 51 13C2 PFDA



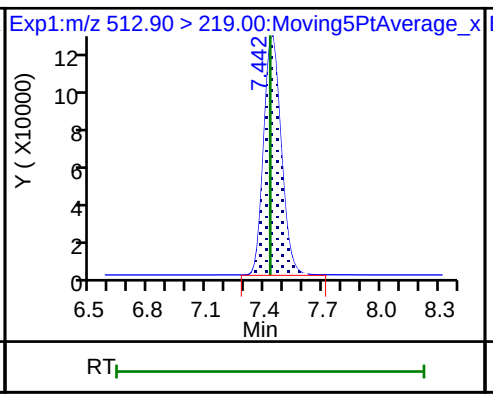
D 52 13C6 PFDA



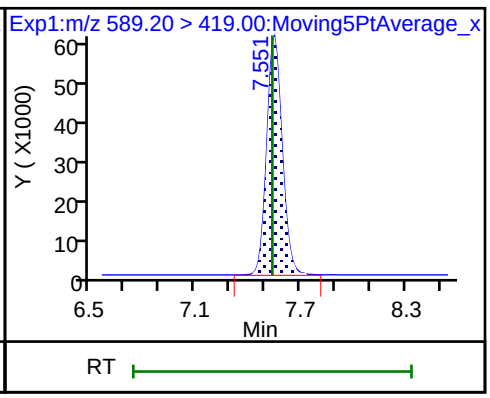
53 PFDA



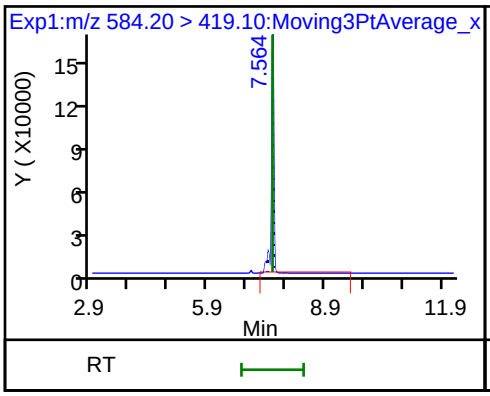
53 PFDA



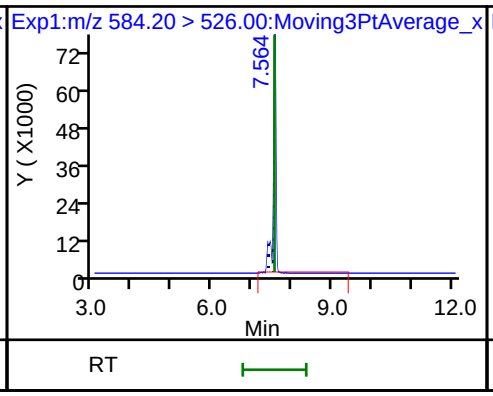
D 54 d5-NEtFOSAA



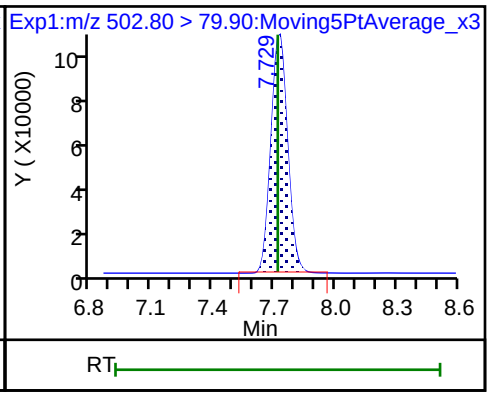
55 NEtFOSAA



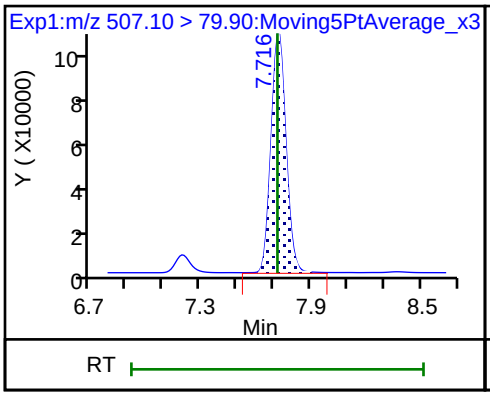
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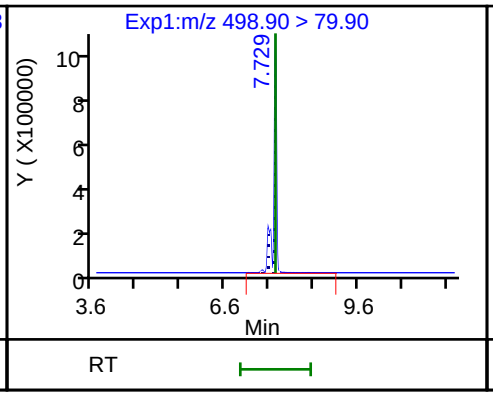
* 57 13C4 PFOS



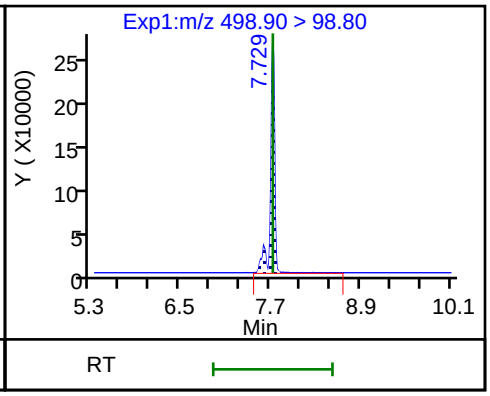
D 56 13C8 PFOS



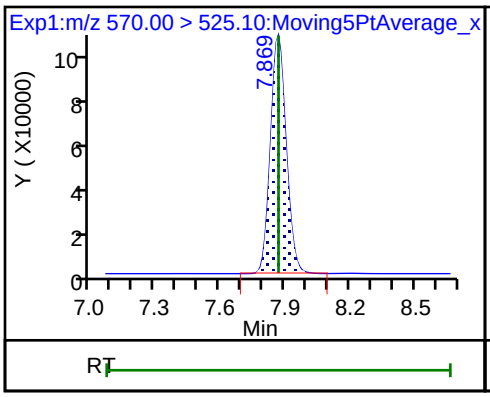
58 PFOS



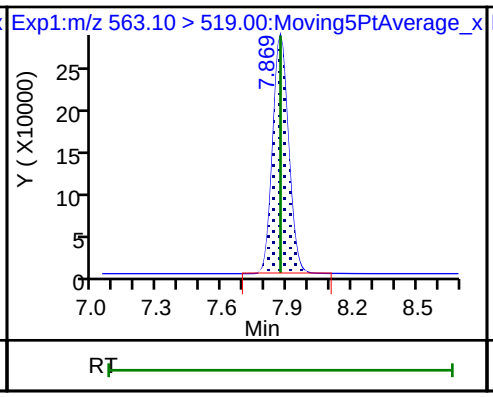
58 PFOS



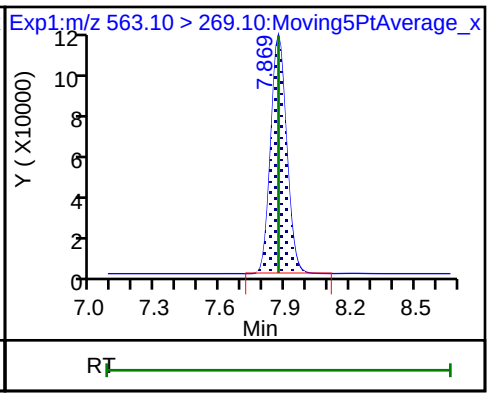
D 59 13C7 PFUnA



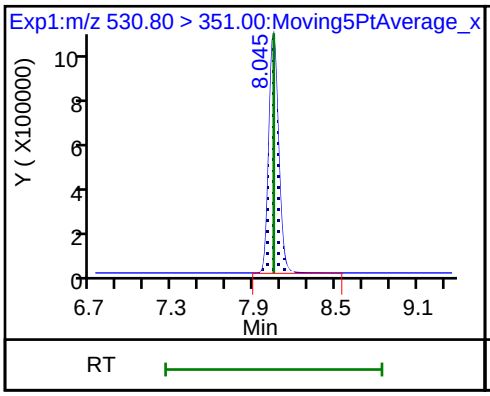
60 PFUnA



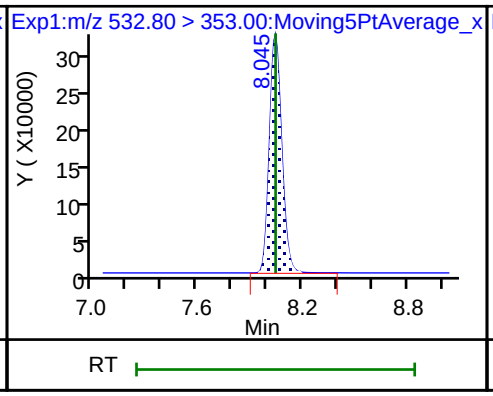
60 PFUnA



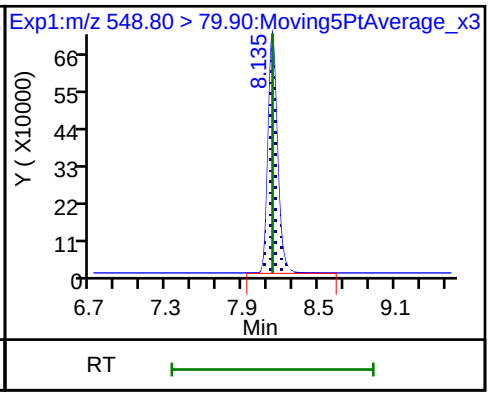
61 9ClFOS



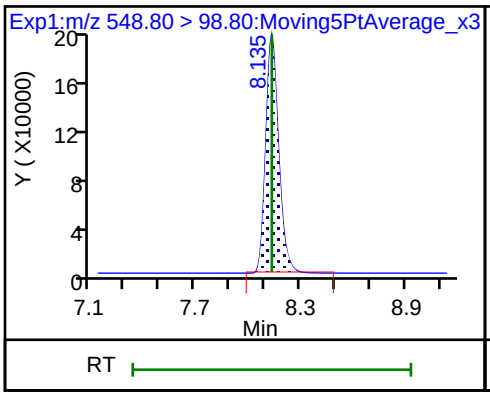
61 9ClFOS



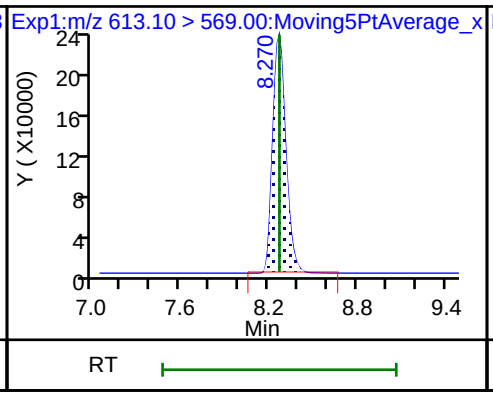
62 PFNS



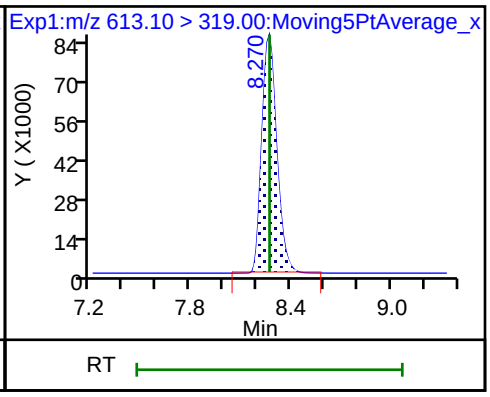
62 PFNS



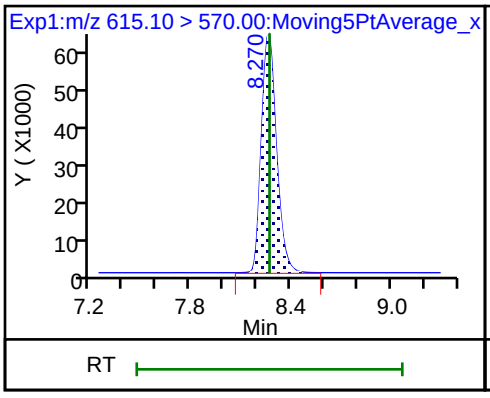
64 PFDoA



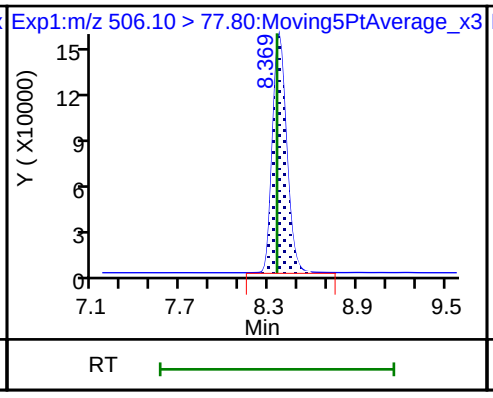
64 PFDoA



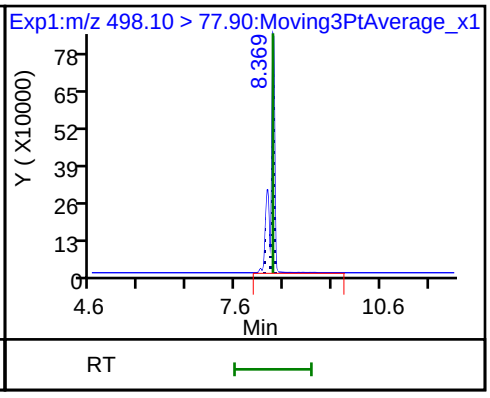
D 63 PFDoA



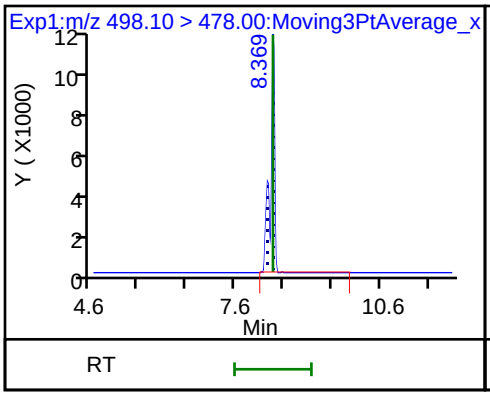
D 66 13C8 FOSA



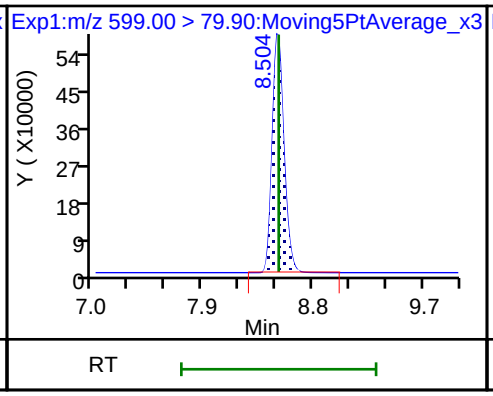
65 PFOSA



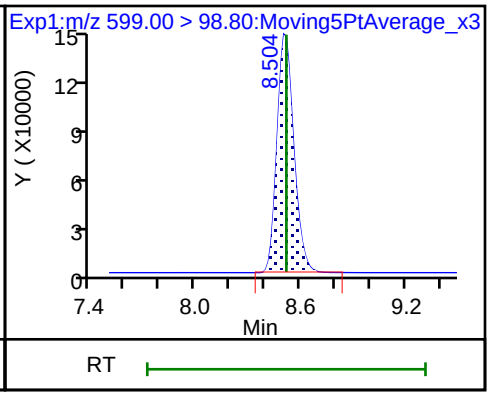
65 PFOSA



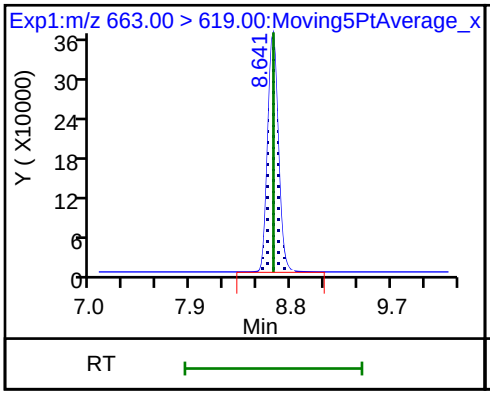
67 PFDS



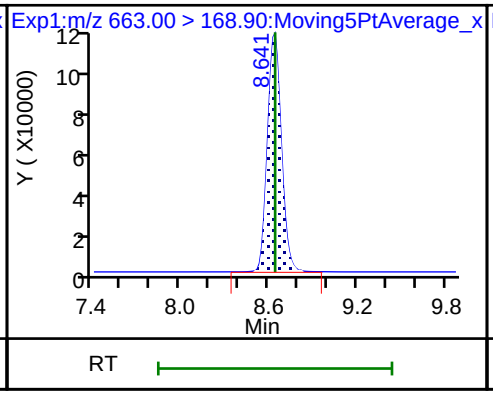
67 PFDS



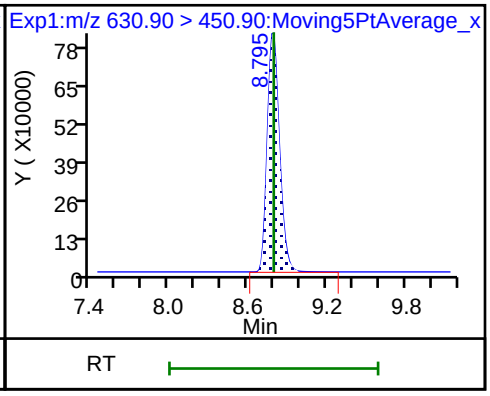
68 PFTrDA



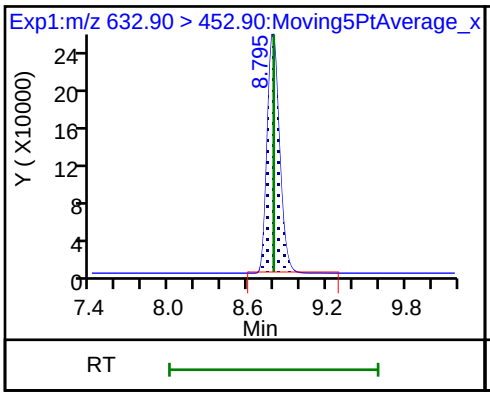
68 PFTrDA



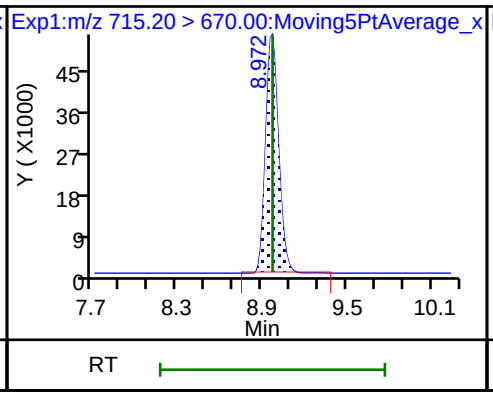
69 11ClFOS



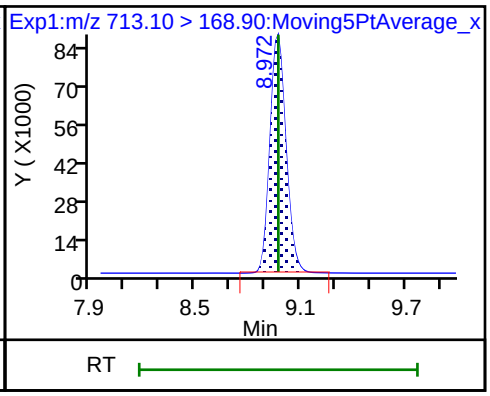
69 11ClFOS



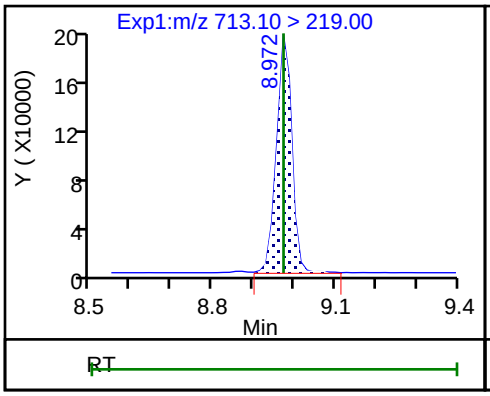
D 70 13C2 PFTeDA



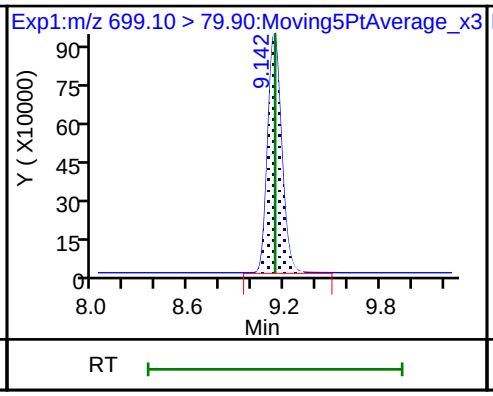
71 PFTeDA



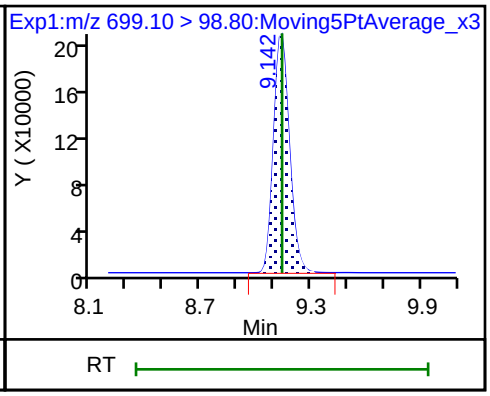
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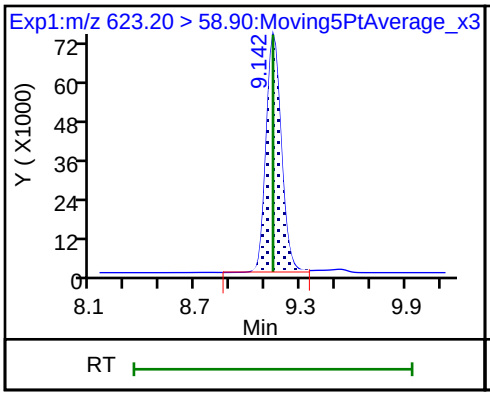
72 PFDoS



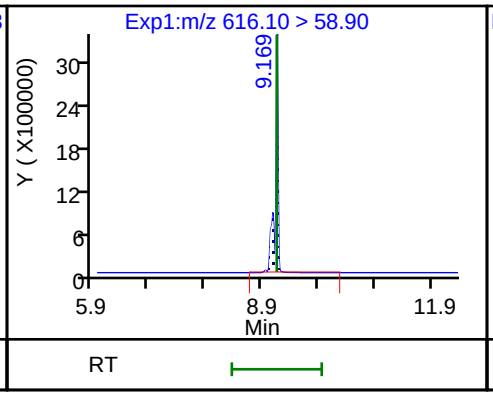
72 PFDoS



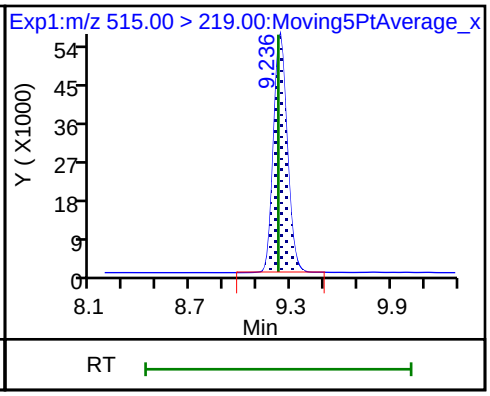
D 73 d7-N-Me-FOSE



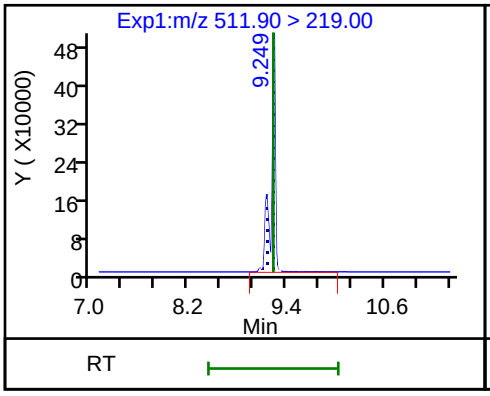
74 N-MeFOSE-M



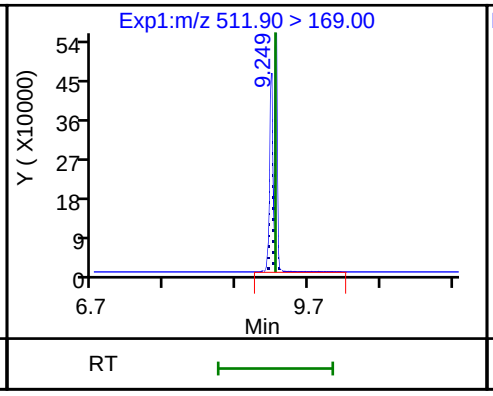
D 75 d3-NMePFOSA



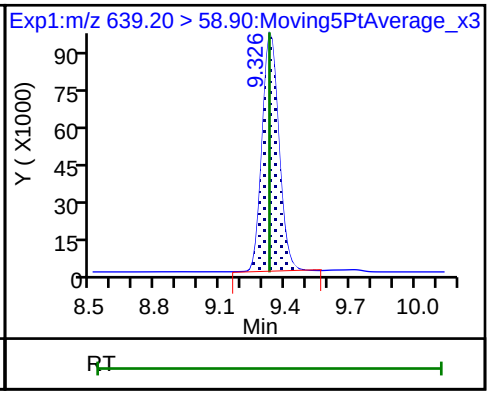
76 NMeFOSA



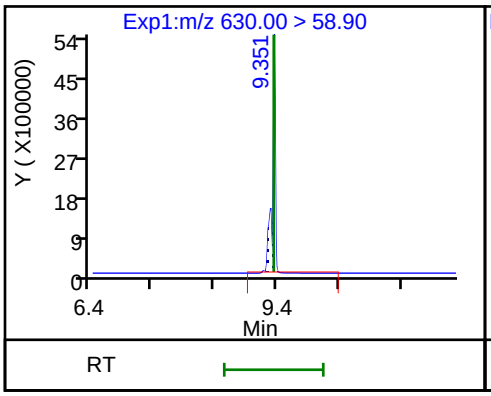
76 NMeFOSA



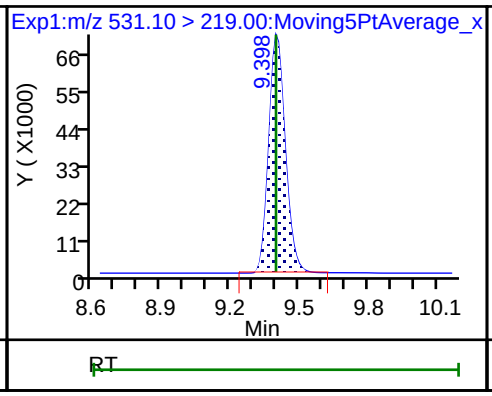
D 77 d9-N-EtFOSE



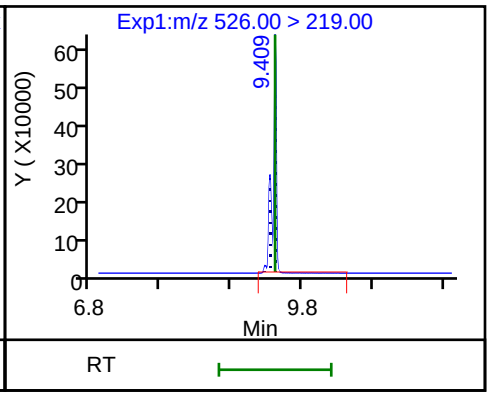
78 N-EtFOSE-M



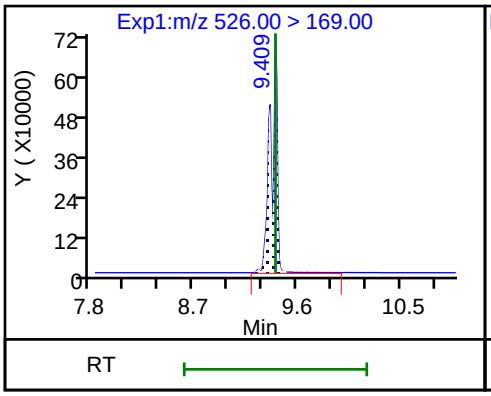
D 79 d5-NEtPFOSA



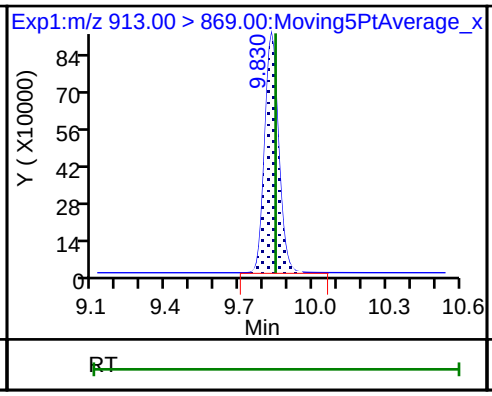
80 N-EtFOSA-M



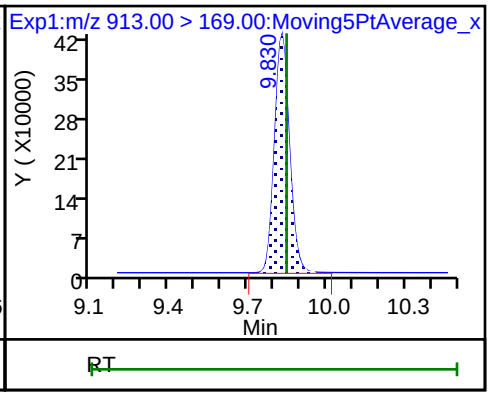
80 N-EtFOSA-M



81 Perfluorooctadecanoic acid



81 Perfluorooctadecanoic acid



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-08.d
Lims ID: IC CAL 8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 03-Mar-2025 20:03:32 ALS Bottle#: 20009 Worklist Smp#: 8
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: IC CAL 8
Misc. Info.: Plate: 1 Rack: 1 410-0139703-008
Operator ID: ETUS023_USR_INS00054 Instrument ID: 30729
Sublist: chrom-30729_1633Final*sub1

Method: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\30729_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 06-Mar-2025 13:06:24 Calib Date: 03-Mar-2025 20:03:32
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-08.d

Column 1 : Det: EXP1
Process Host: CTX1635

First Level Reviewer: LDU5 Date: 04-Mar-2025 17:58:04
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 2 13C3PFPrA										
166.00 > 121.00	1.869	1.885	-0.016	0.421	269171	1.96		98.0	85.6	
5 PFBA										
212.80 > 168.90	4.432	4.443	-0.011	0.998	20674446	97.5		97.5	874828	
D 3 13C4-PFBA										
216.80 > 171.90	4.441	4.443	-0.002	1.000	421717	1.94		97.1	13671	
* 4 13C3PFBA										
216.00 > 172.00	4.441	4.443	-0.002		491228	2.00			78.4	
D 9 13C5 PFPeA										
268.30 > 223.00	5.142	5.132	0.010	0.906	341384	1.95		97.3	20743	
10 PFPA										
263.00 > 219.00	5.142	5.143	-0.001	1.000	12505450	45.8		91.6	760738	
D 12 13C2-4:2FTS										
329.10 > 80.90	5.467	5.469	-0.002	0.803	220990	5.25		112	8025	
D 16 13C5 PFHxA										
318.00 > 273.00	5.675	5.677	-0.002	1.000	537351	1.88		94.2	32131	
* 17 13C2 PFHxA										
315.10 > 270.00	5.675	5.677	-0.002		1227707	5.00			72933	
18 PFHxA										
313.00 > 269.00	5.675	5.677	-0.002	1.000	12173098	49.4	Target=10.40	98.9	724974	
313.00 > 118.90	5.675	5.677	-0.002	1.000	1057234		11.51(5.20-15.60)	98.9	62627	
21 PFBS										
298.70 > 79.90	5.818	5.820	-0.002	1.000	8515299	40.8	Target=2.88	91.9	426272	
298.70 > 98.80	5.818	5.820	-0.002	1.000	2885422		2.95(1.44-4.33)	91.9	144021	
D 19 13C3 PFBS										
302.10 > 79.90	5.818	5.820	-0.002	0.855	568962	1.82		97.7	28389	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
22 HFPO-DA										
284.90 > 168.90	5.873	5.875	-0.002	1.000	12876712	41.2	Target=2.44	82.4	414791	
284.90 > 184.90	5.873	5.875	-0.002	1.000	5142636		2.50(1.22-3.65)	82.4	274176	
D 23 13C3 HFPO-DA										
286.90 > 168.90	5.873	5.875	-0.002	1.035	581872	2.09		104	31378	
D 27 13C4 PFHpA										
367.10 > 322.00	6.135	6.124	0.011	1.081	521154	1.90		94.8	29840	
28 PFHpA										
363.10 > 319.00	6.135	6.124	0.011	1.000	12044620	51.5	Target=2.26	103	692828	
363.10 > 169.00	6.135	6.124	0.011	1.000	5485576		2.20(1.13-3.39)	103	316916	
29 ADONA										
376.90 > 250.90	6.297	6.299	-0.002	1.072	18130146	24.4	Target=1.59	68.7	12681	
376.90 > 84.80	6.297	6.299	-0.002	1.072	11409700		1.59(0.79-2.38)	68.7	223758	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.339	6.341	-0.002	0.931	181870	4.38		92.0	11965	
30 PFPeS										
349.10 > 79.90	6.339	6.341	-0.002	0.931	13133377	46.3	Target=3.47	98.6	836547	
349.10 > 98.90	6.339	6.341	-0.002	0.931	3713862		3.54(1.73-5.20)	98.6	235399	
D 34 13C8 PFOA										
421.10 > 376.00	6.565	6.568	-0.003	1.000	579254	1.98		98.9	29461	
* 40 13C4 PFOA										
417.10 > 372.00	6.565	6.568	-0.003		1519114	5.00			61835	
35 PFOA										M
413.00 > 369.00	6.575	6.568	0.007	1.001	9327311	43.1	Target=1.66	86.2	1796	M
413.00 > 169.00	6.565	6.568	-0.003	1.000	5791930		1.61(0.83-2.49)	86.2	2442	
* 38 18O2 PFHxS										
403.00 > 83.90	6.807	6.810	-0.003		480930	1.89			28179	
D 37 13C3 PFHxS										
402.10 > 79.90	6.807	6.810	-0.003	1.000	451135	1.81		95.6	26259	
39 PFHxS										
398.70 > 79.90	6.819	6.821	-0.002	1.002	7226091	45.2	Target=3.28	99.0	54635	
398.70 > 98.90	6.819	6.821	-0.002	1.002	2144340		3.37(1.64-4.92)	99.0	17426	
D 41 13C9 PFNA										
472.10 > 427.00	6.999	6.990	0.009	1.000	479807	1.98		99.1	28070	
* 42 13C5 PFNA										
468.00 > 423.00	6.999	6.990	0.009		493788	2.00			29036	
43 PFNA										
463.00 > 419.00	6.999	7.002	-0.003	1.000	9142714	44.9	Target=2.26	89.9	5303	
463.00 > 219.00	6.999	7.002	-0.003	1.000	4236714		2.16(1.13-3.38)	89.9	10862	
D 45 13C2-8:2FTS										
529.10 > 80.90	7.191	7.182	0.009	1.056	212630	4.77		99.4	12609	
47 PFHpS										
449.00 > 79.90	7.263	7.265	-0.002	0.942	12338579	44.2	Target=3.81	92.6	667420	
449.00 > 98.80	7.276	7.265	0.011	0.943	3364544		3.67(1.91-5.72)	92.6	182342	
D 49 d3-NMeFOSAA										
573.20 > 419.00	7.358	7.346	0.012	0.954	316837	5.14		103	16811	
* 51 13C2 PFDA										
515.10 > 470.10	7.426	7.428	-0.002		533349	2.00			28433	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 52 13C6 PFDA										
519.10 > 474.10	7.426	7.428	-0.002	1.000	474476	1.73		86.5	25357	
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.549	7.538	0.011	0.979	259695	4.81		96.3	14065	
* 57 13C4 PFOS										
502.80 > 79.90	7.714	7.717	-0.002		456539	1.91			26776	
D 56 13C8 PFOS										
507.10 > 79.90	7.714	7.717	-0.002	1.000	409767	1.88		98.1	18062	
58 PFOS										
498.90 > 79.90	7.726	7.729	-0.003	1.002	14739044	46.2	Target=4.40	99.3	15970	
498.90 > 98.80	7.726	7.729	-0.003	1.002	3237498		4.55(2.20-6.59)	99.3	3950	
D 59 13C7 PFUnA										
570.00 > 525.10	7.866	7.869	-0.003	1.059	376724	1.73		86.5	24691	
D 63 PFDoA										
615.10 > 570.00	8.255	8.271	-0.016	1.112	273635	1.72		86.0	14626	
D 66 13C8 FOSA										
506.10 > 77.80	8.366	8.354	0.012	1.085	779214	2.15		107	28786	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.955	8.972	-0.017	1.206	245559	1.73		86.4	12945	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.139	9.142	-0.003	1.185	310995	5.11		102	5132	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.234	9.224	0.010	1.197	232242	2.07		103	6769	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.324	9.327	-0.003	1.209	377558	5.09		102	5476	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.395	9.398	-0.003	1.218	258524	2.07		104	12934	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_CAL8_00017 Amount Added: 1.00 Units: mL

Report Date: 06-Mar-2025 13:06:25 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-08.d

Injection Date: 03-Mar-2025 20:03:32 Instrument ID: 30729

Lims ID: IC CAL 8

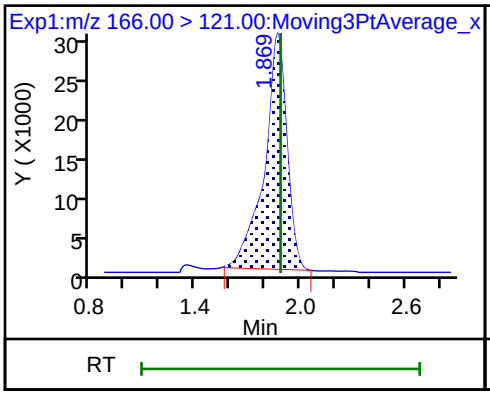
Client ID:

Operator ID: ETUS023_USR_INS00054 ALS Bottle#: 20009 Worklist Smp#: 8

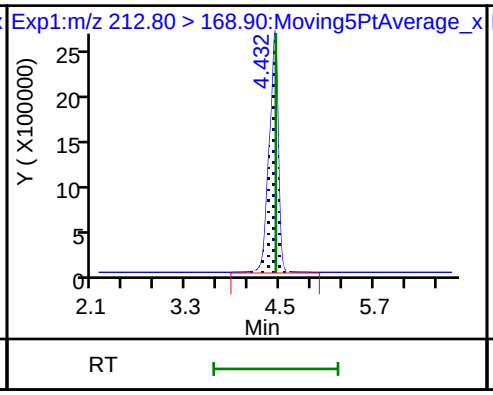
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 30729_1633Final Limit Group: LC - 1633 LVI- ICAL

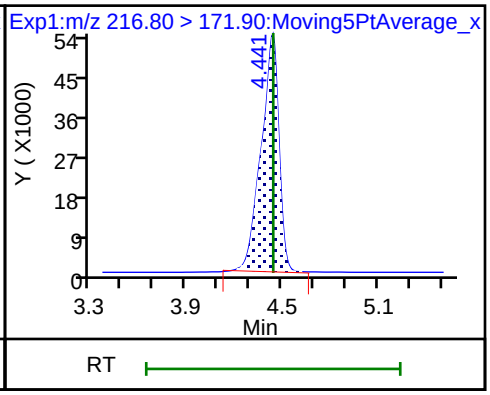
D 2 13C3PFPrA



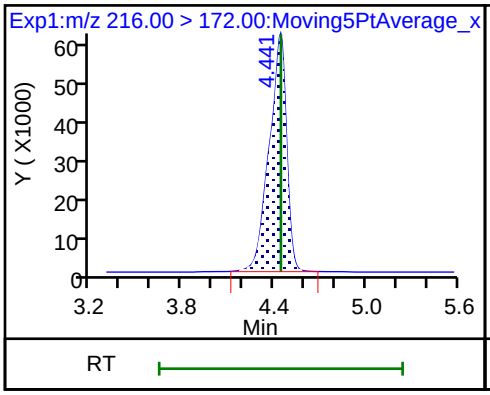
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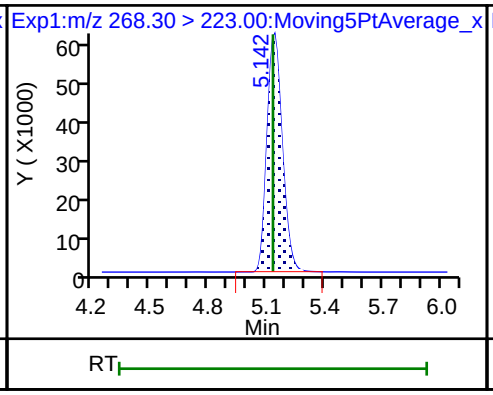
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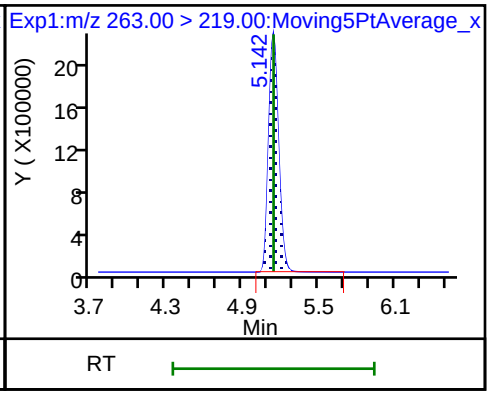
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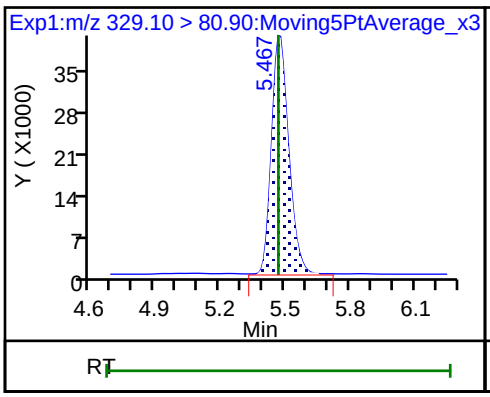
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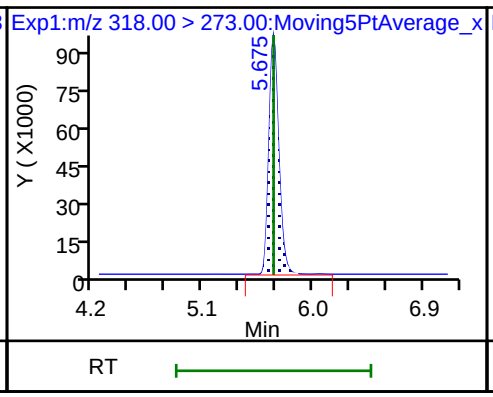
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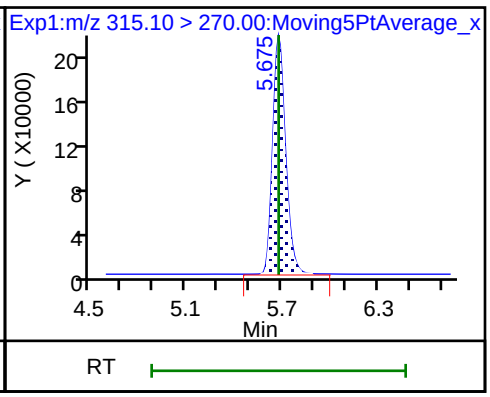
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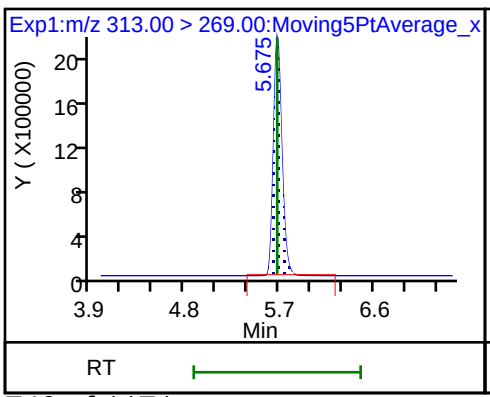
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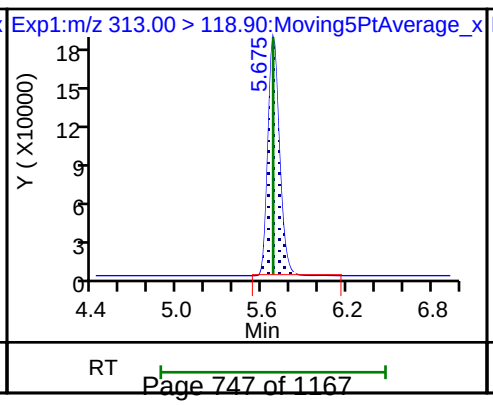
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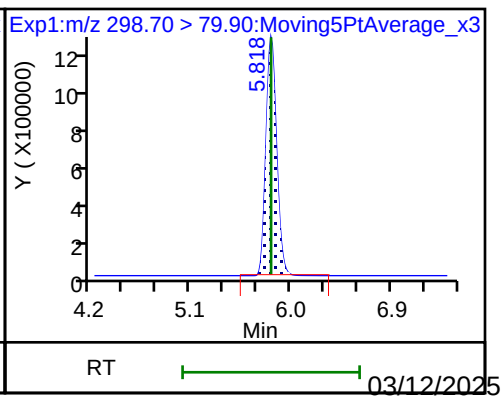
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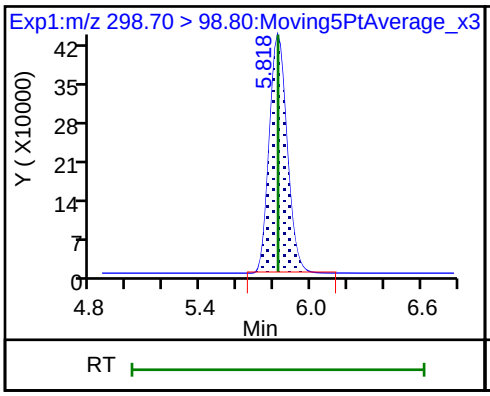
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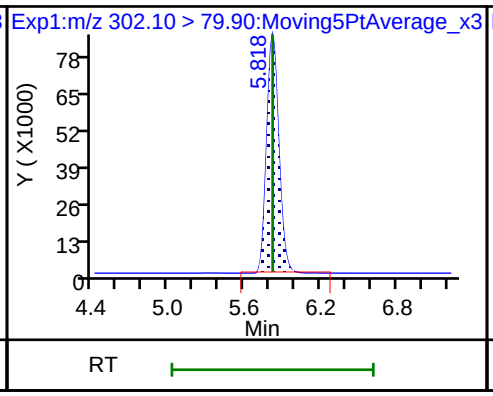
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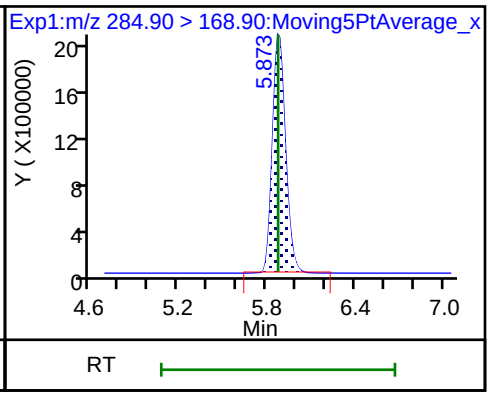
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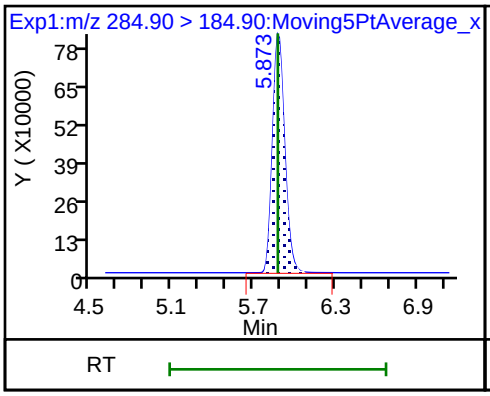
D 19 13C3 PFBS



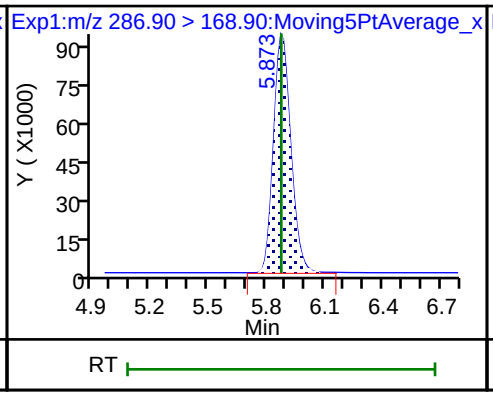
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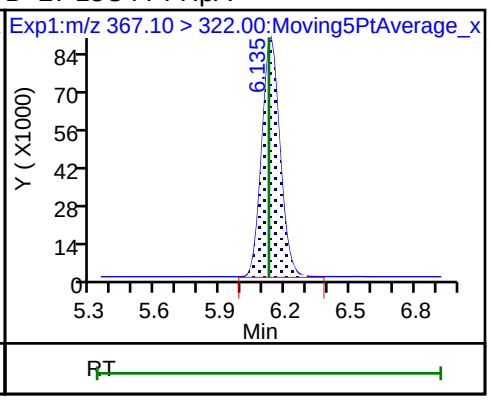
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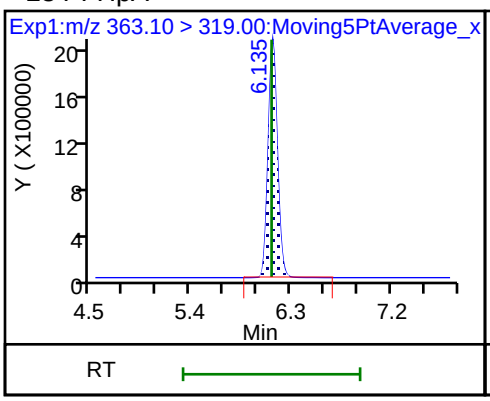
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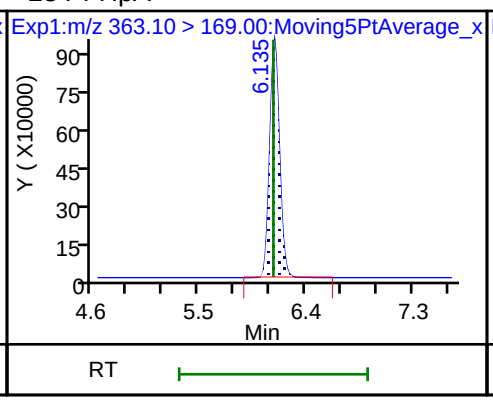
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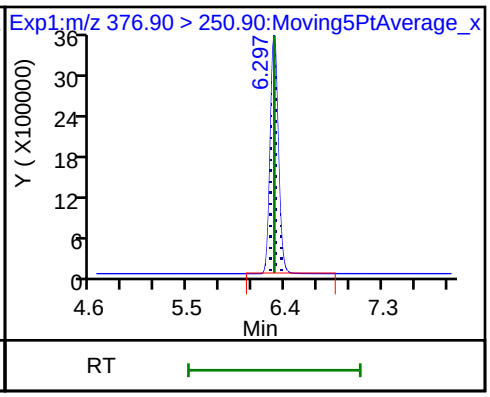
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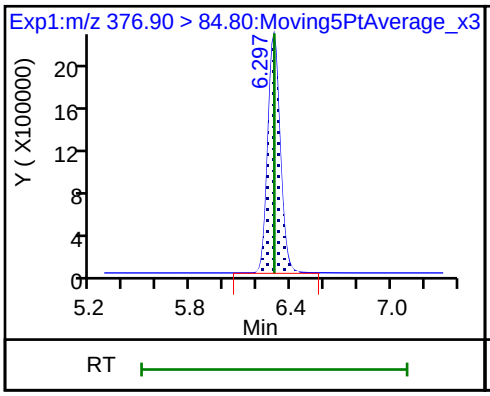
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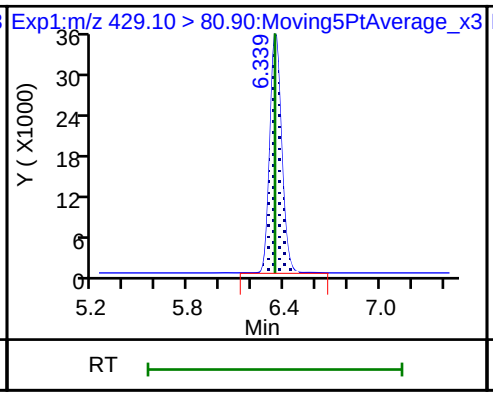
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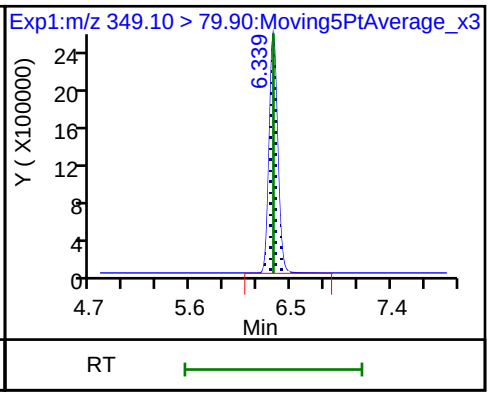
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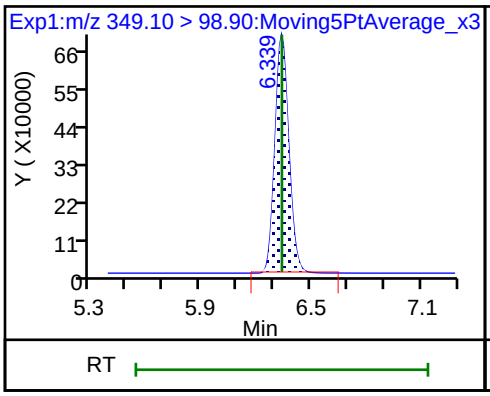
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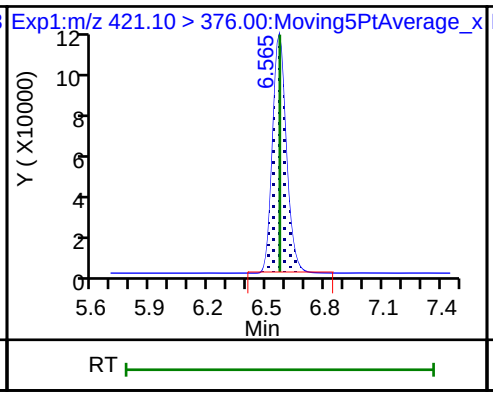
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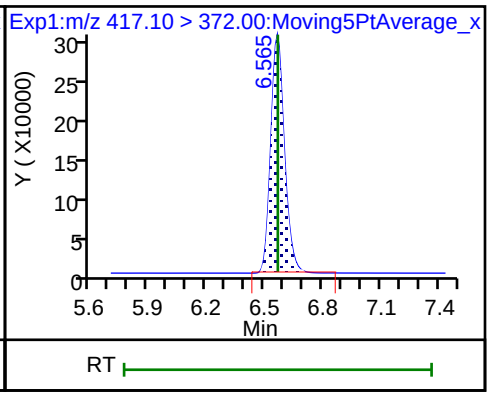
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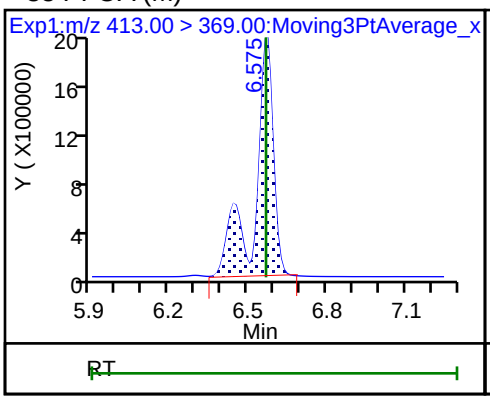
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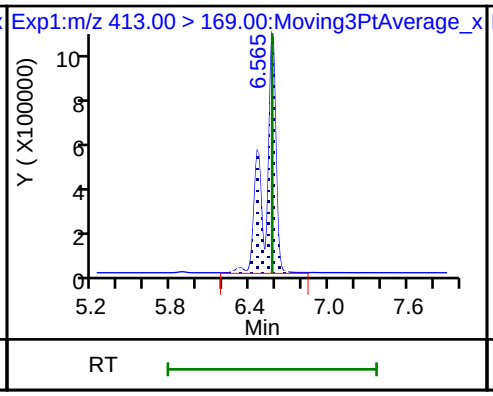
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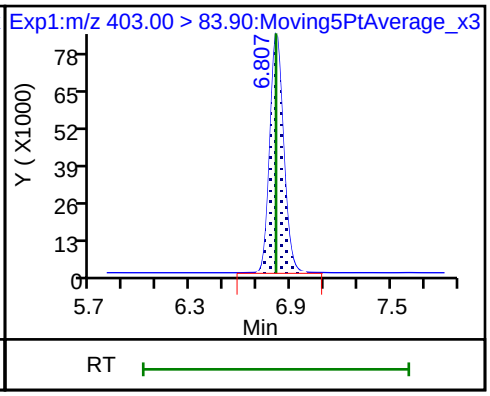
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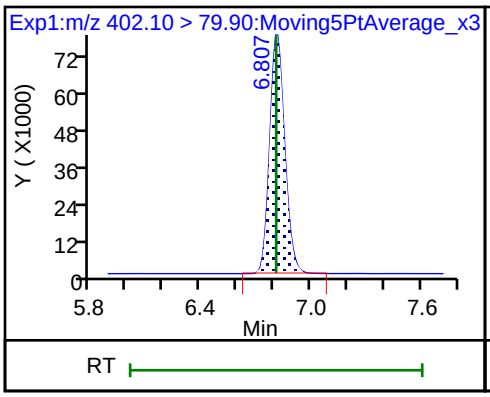
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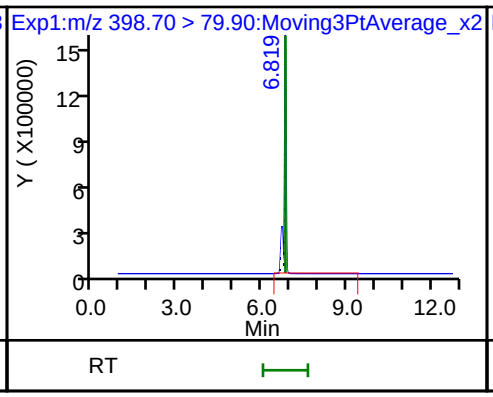
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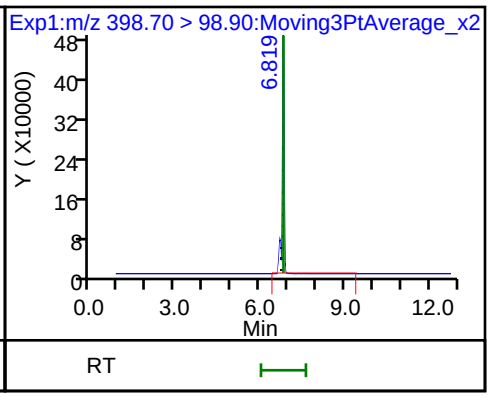
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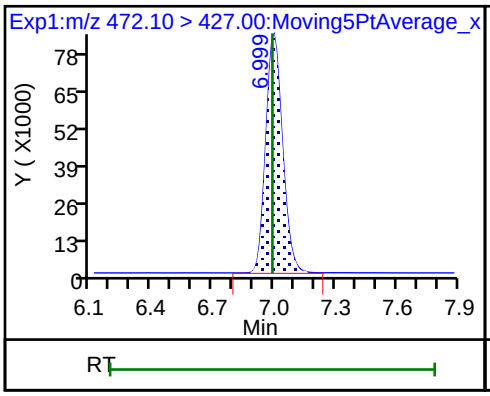
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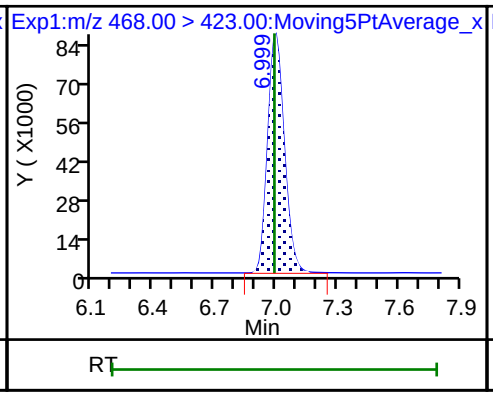
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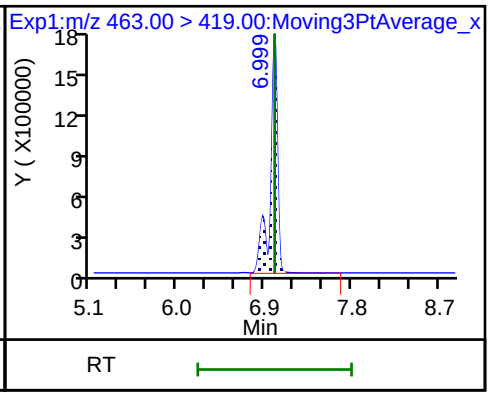
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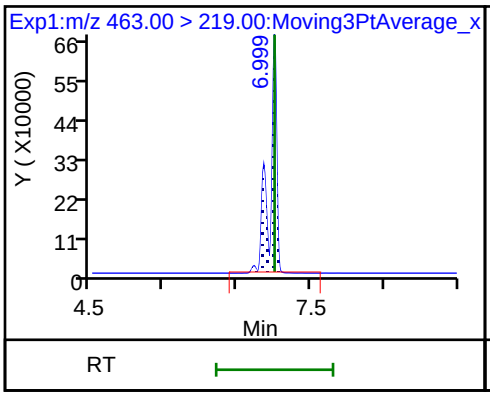
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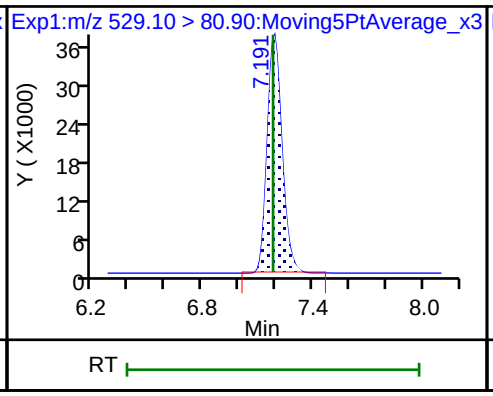
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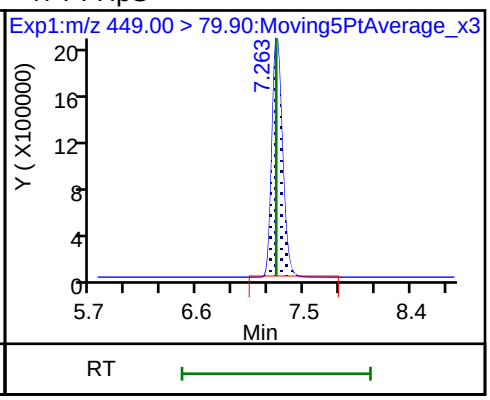
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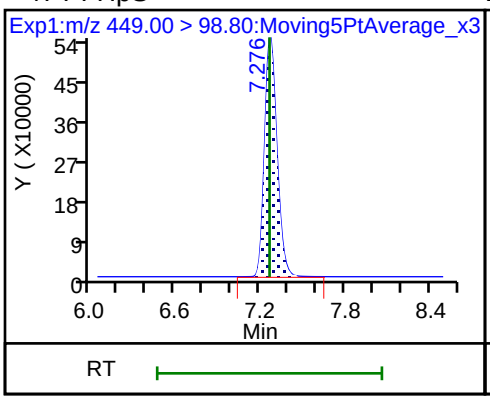
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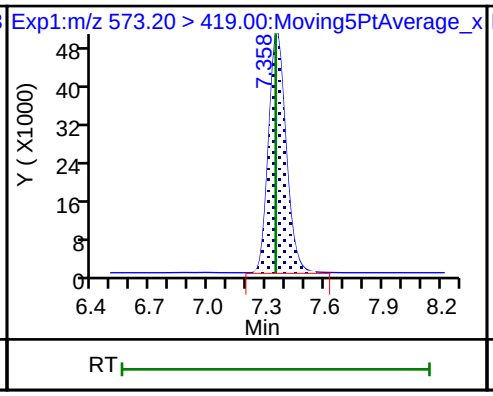
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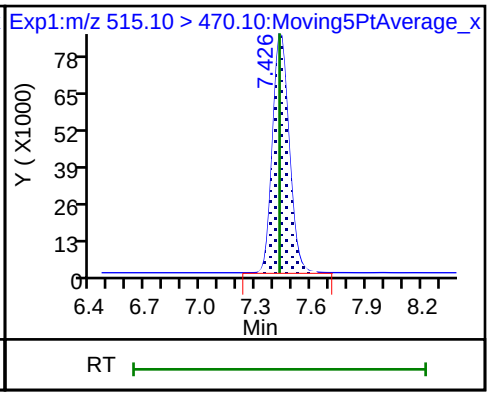
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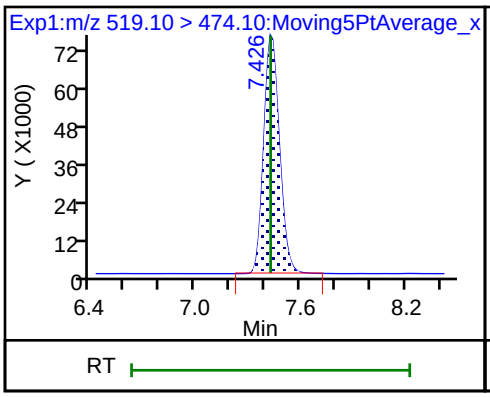
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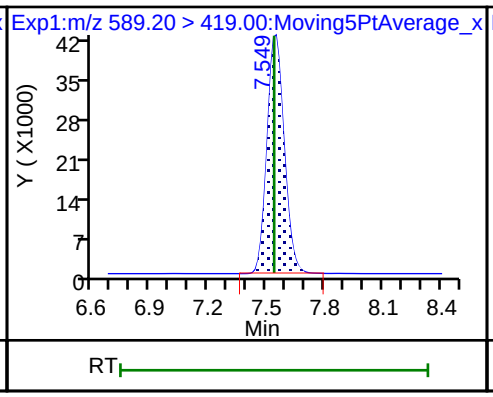
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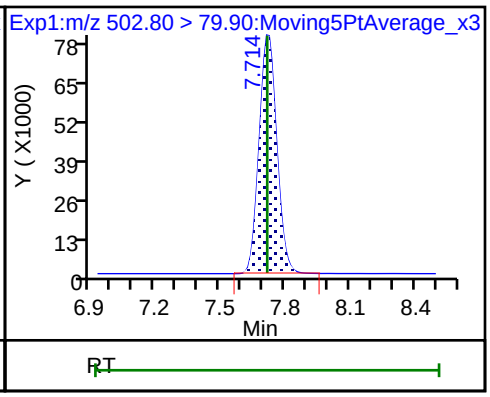
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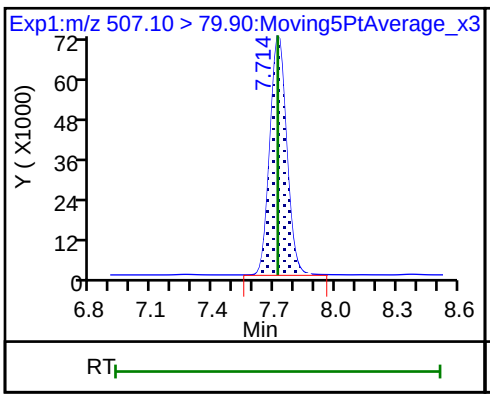
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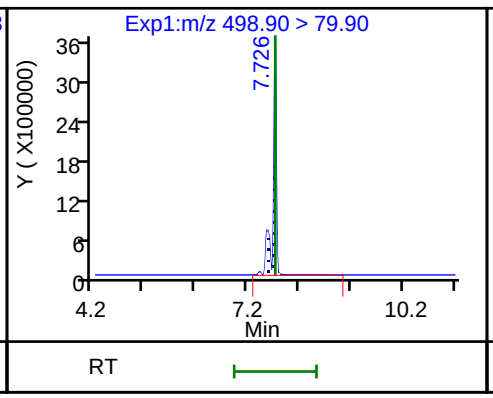
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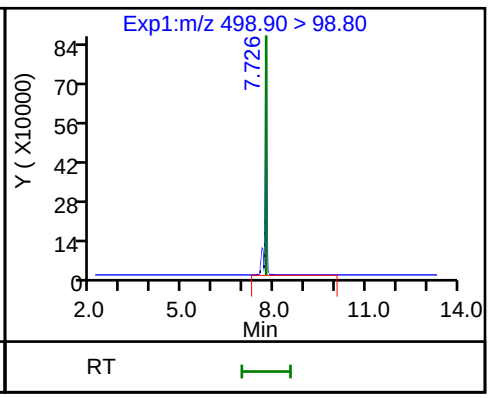
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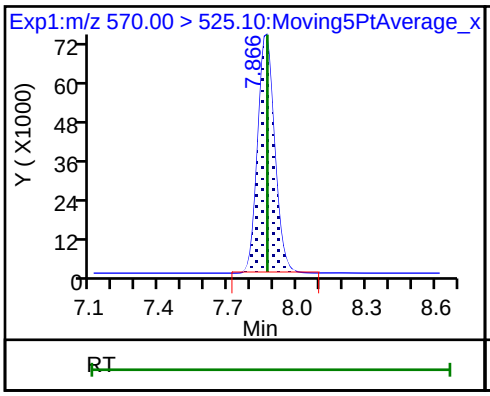
58 PFOS



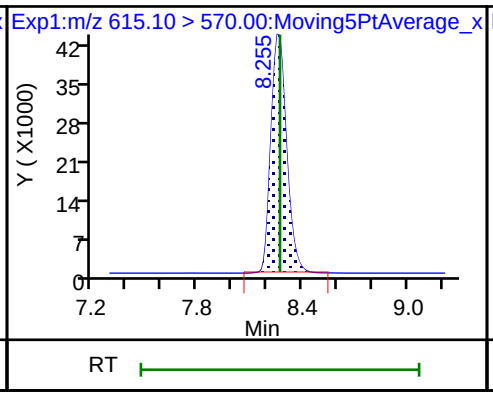
58 PFOS



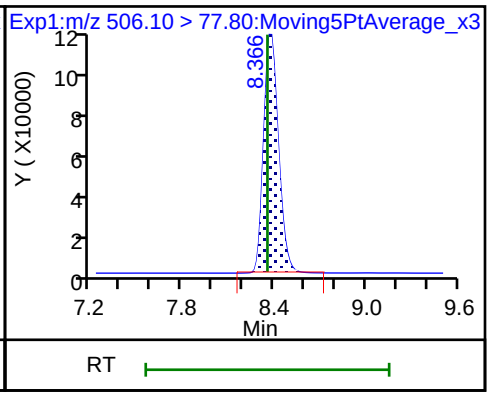
D 59 13C7 PFUnA



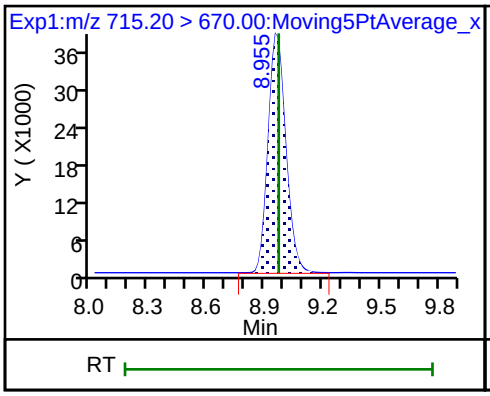
D 63 PFDoA



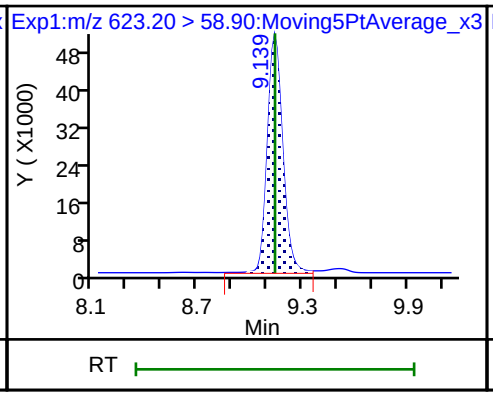
D 66 13C8 FOSA



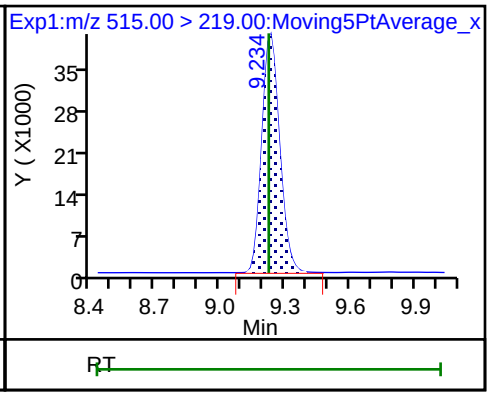
D 70 13C2 PFTeDA



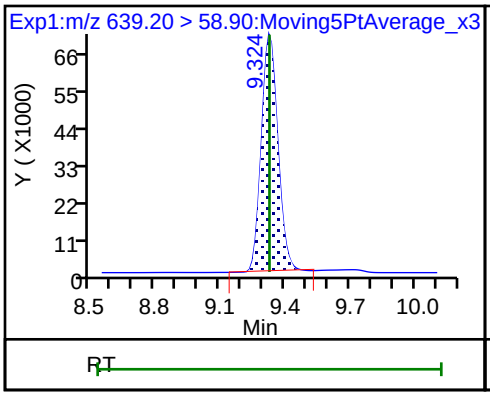
D 73 d7-N-Me-FOSE



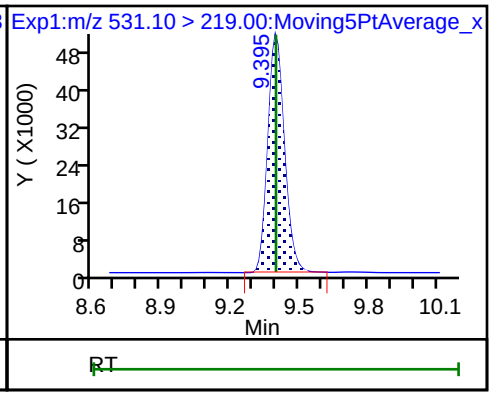
D 75 d3-NMePFOSA



D 77 d9-N-EtFOSE



D 79 d5-NEtPFOSA



Calibration / Perfluoropropionic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

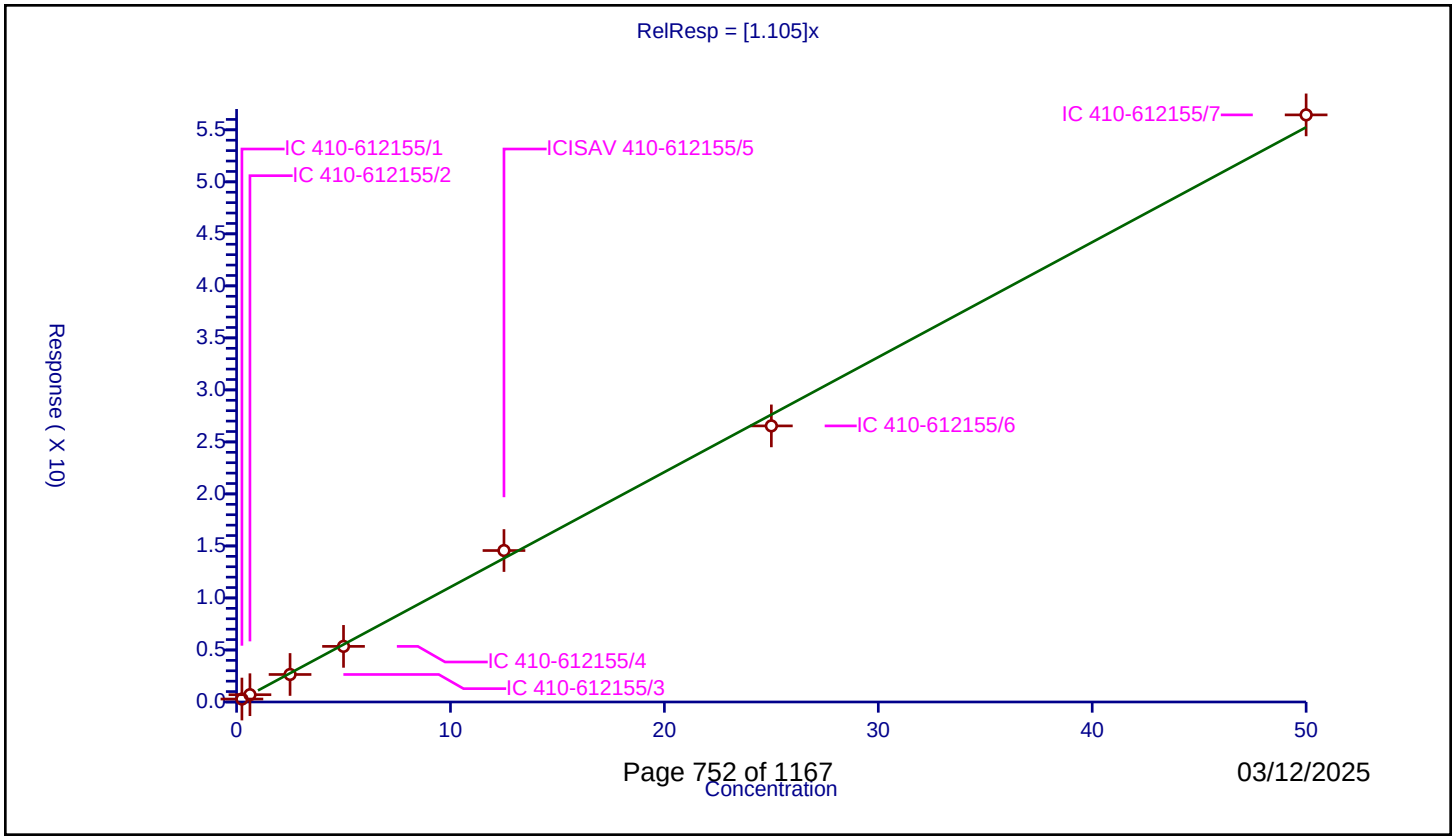
Curve Coefficients

Intercept:	0
Slope:	1.105

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.25	0.282327	2.0	512470.0	1.129307	Y
2	IC 410-612155/2	0.625	0.7021	2.0	387942.0	1.12336	Y
3	IC 410-612155/3	2.5	2.644925	2.0	362808.0	1.05797	Y
4	IC 410-612155/4	5.0	5.344766	2.0	374379.0	1.068953	Y
5	ICISAV 410-612155/5	12.5	14.558079	2.0	389963.0	1.164646	Y
6	IC 410-612155/6	25.0	26.539665	2.0	366939.0	1.061587	Y
7	IC 410-612155/7	50.0	56.436365	2.0	393354.0	1.128727	Y



Calibration / Perfluorobutanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

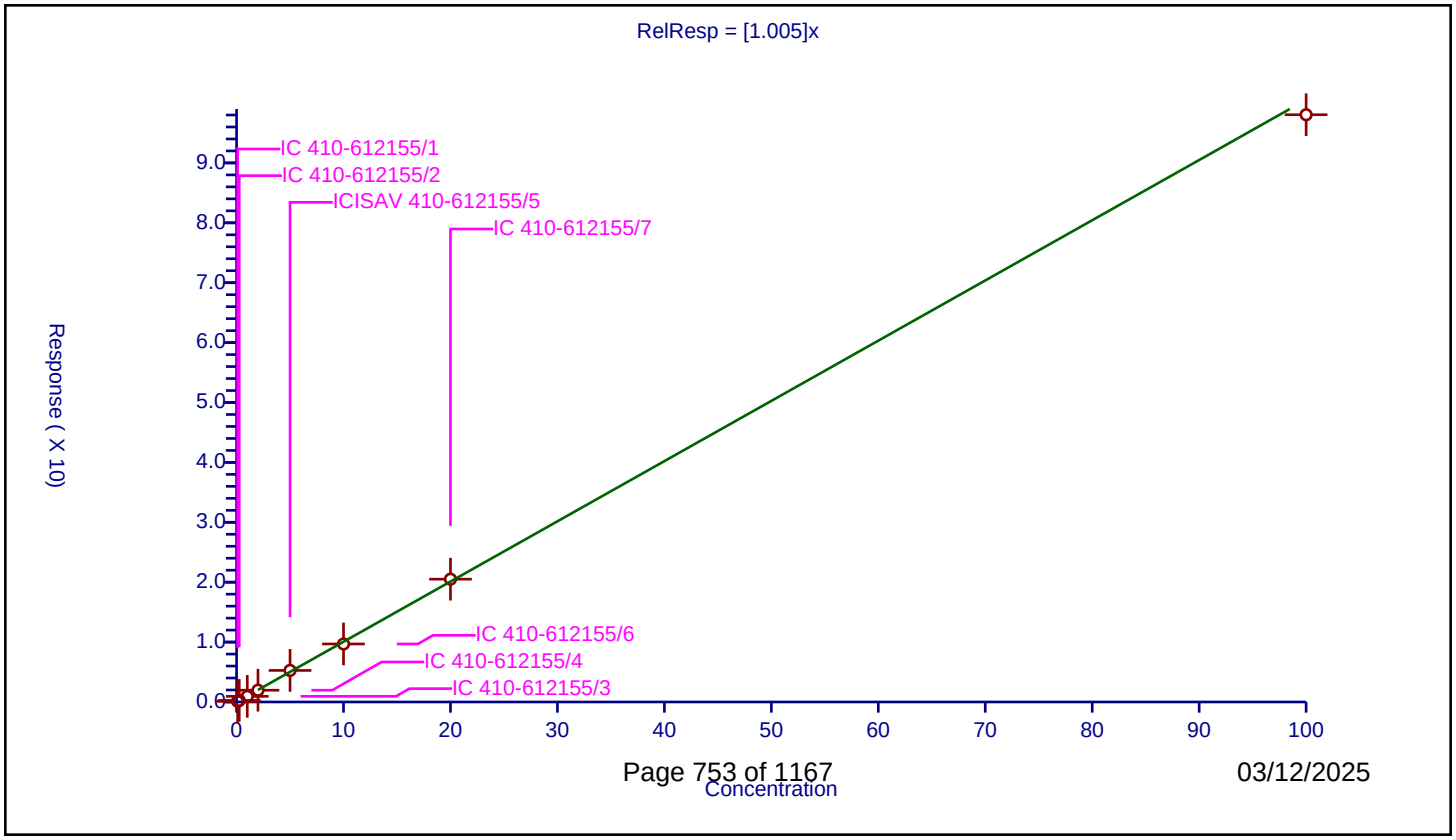
Curve Coefficients

Intercept:	0
Slope:	1.005

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.1	0.104112	2.0	685491.0	1.041122	Y
2	IC 410-612155/2	0.25	0.261959	2.0	645583.0	1.047834	Y
3	IC 410-612155/3	1.0	0.943141	2.0	602985.0	0.943141	Y
4	IC 410-612155/4	2.0	1.966159	2.0	617661.0	0.98308	Y
5	ICISAV 410-612155/5	5.0	5.268347	2.0	630673.0	1.053669	Y
6	IC 410-612155/6	10.0	9.68357	2.0	600726.0	0.968357	Y
7	IC 410-612155/7	20.0	20.502906	2.0	619293.0	1.025145	Y
8	IC 410-612155/8	100.0	98.04891	2.0	421717.0	0.980489	Y



Calibration / Perfluoro-3-methoxypropanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

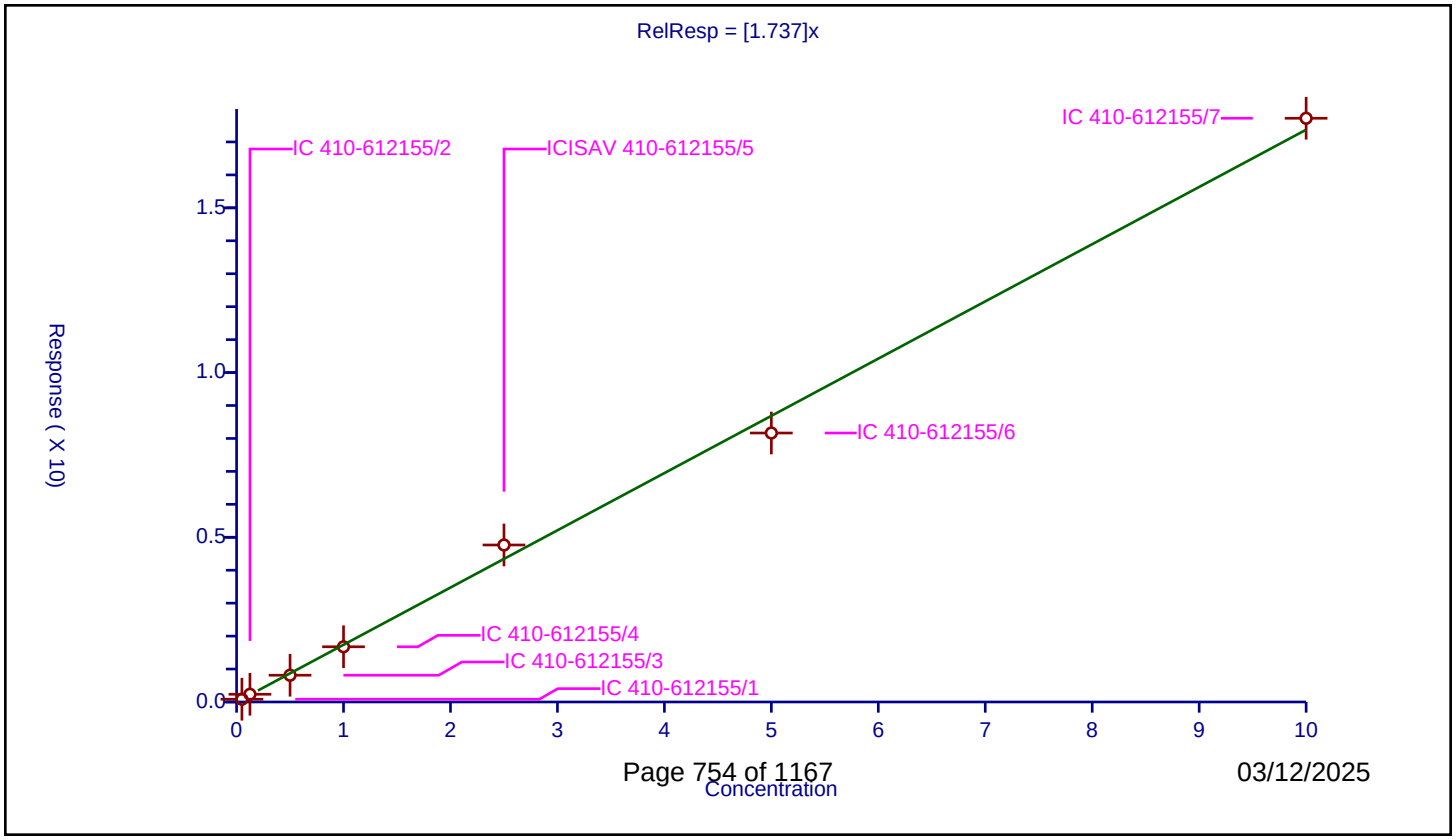
Curve Coefficients

Intercept:	0
Slope:	1.737

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.05	0.083525	2.0	529615.0	1.670496	Y
2	IC 410-612155/2	0.125	0.234719	2.0	502712.0	1.877751	Y
3	IC 410-612155/3	0.5	0.811964	2.0	496042.0	1.623927	Y
4	IC 410-612155/4	1.0	1.676307	2.0	485447.0	1.676307	Y
5	ICISAV 410-612155/5	2.5	4.765825	2.0	479185.0	1.90633	Y
6	IC 410-612155/6	5.0	8.164655	2.0	504741.0	1.632931	Y
7	IC 410-612155/7	10.0	17.71907	2.0	482426.0	1.771907	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

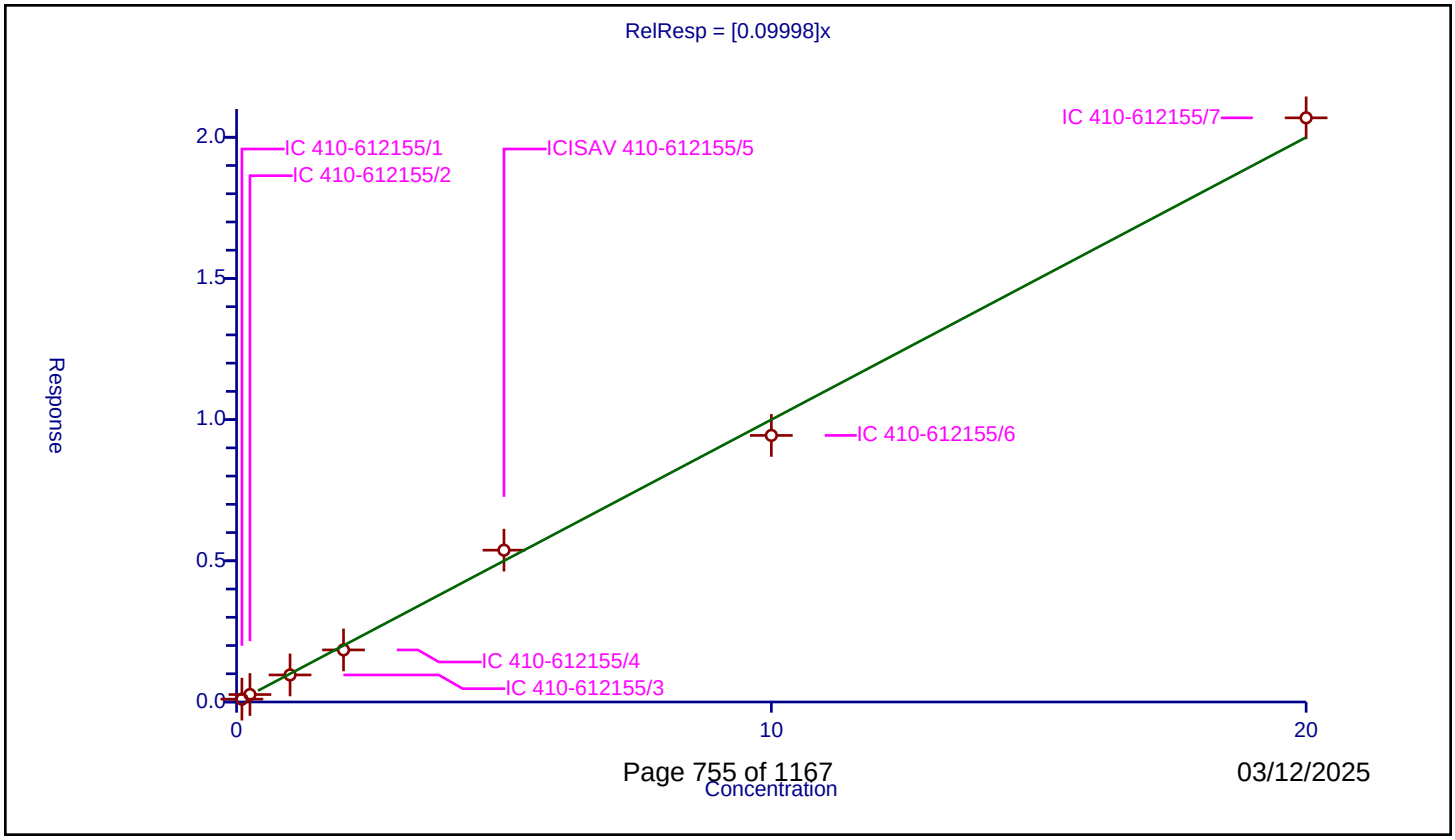
Curve Coefficients

Intercept:	0
Slope:	0.09998

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.1	0.010083	2.0	529615.0	0.100828	Y
2	IC 410-612155/2	0.25	0.026421	2.0	502712.0	0.105683	Y
3	IC 410-612155/3	1.0	0.095782	2.0	496042.0	0.095782	Y
4	IC 410-612155/4	2.0	0.184411	2.0	485447.0	0.092206	Y
5	ICISAV 410-612155/5	5.0	0.537713	2.0	479185.0	0.107543	Y
6	IC 410-612155/6	10.0	0.944056	2.0	504741.0	0.094406	Y
7	IC 410-612155/7	20.0	2.06874	2.0	482426.0	0.103437	Y



Calibration / Perfluoropentanoic acid

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

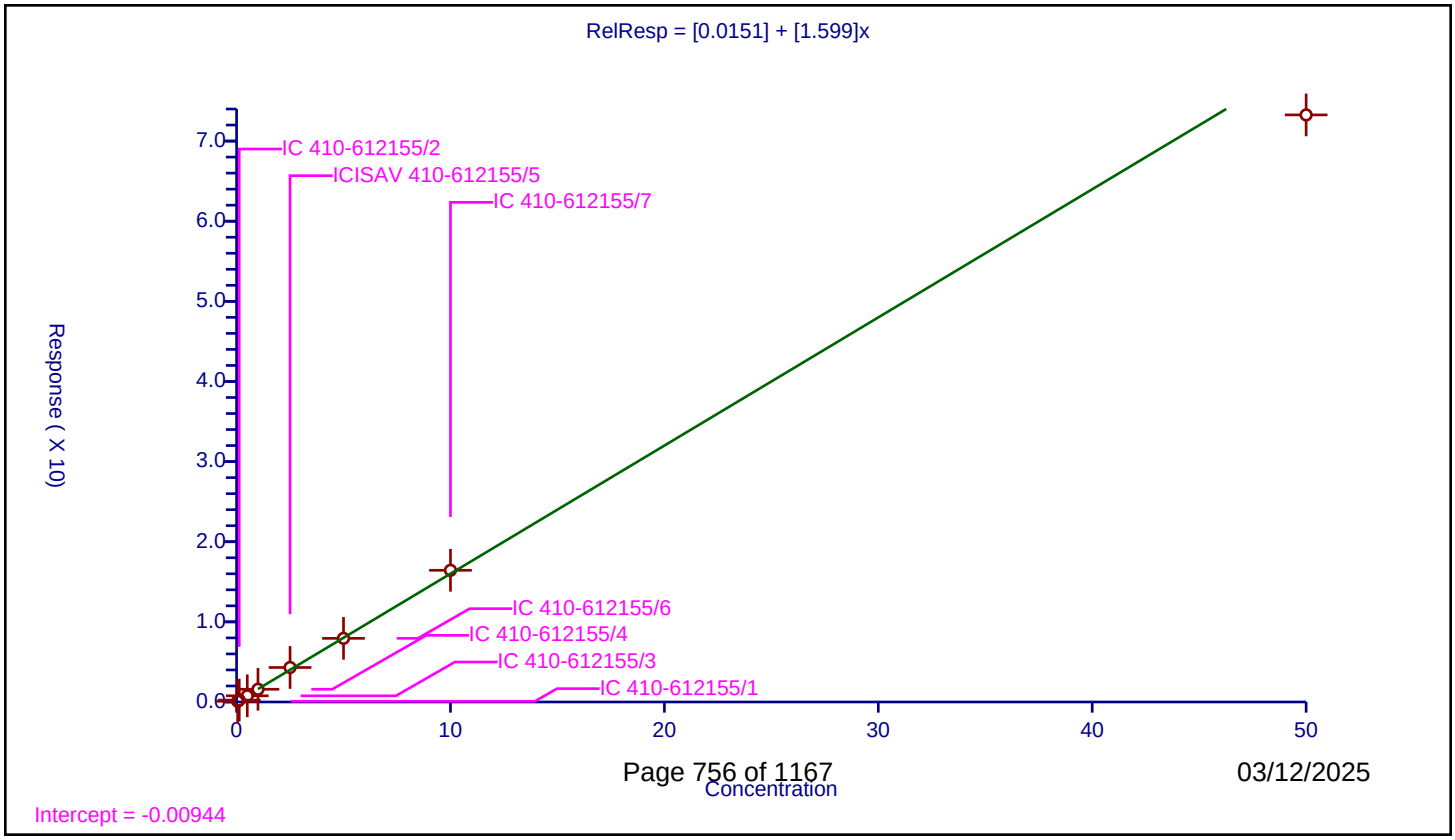
Curve Coefficients

Intercept:	0.0151
Slope:	1.599

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.05	0.092297	2.0	529615.0	1.845945	Y
2	IC 410-612155/2	0.125	0.234739	2.0	502712.0	1.87791	Y
3	IC 410-612155/3	0.5	0.769822	2.0	496042.0	1.539644	Y
4	IC 410-612155/4	1.0	1.589587	2.0	485447.0	1.589587	Y
5	ICISAV 410-612155/5	2.5	4.305323	2.0	479185.0	1.722129	Y
6	IC 410-612155/6	5.0	7.942695	2.0	504741.0	1.588539	Y
7	IC 410-612155/7	10.0	16.435325	2.0	482426.0	1.643532	Y
8	IC 410-612155/8	50.0	73.263246	2.0	341384.0	1.465265	Y



Calibration / Perfluoro(4-methoxybutanoic acid)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

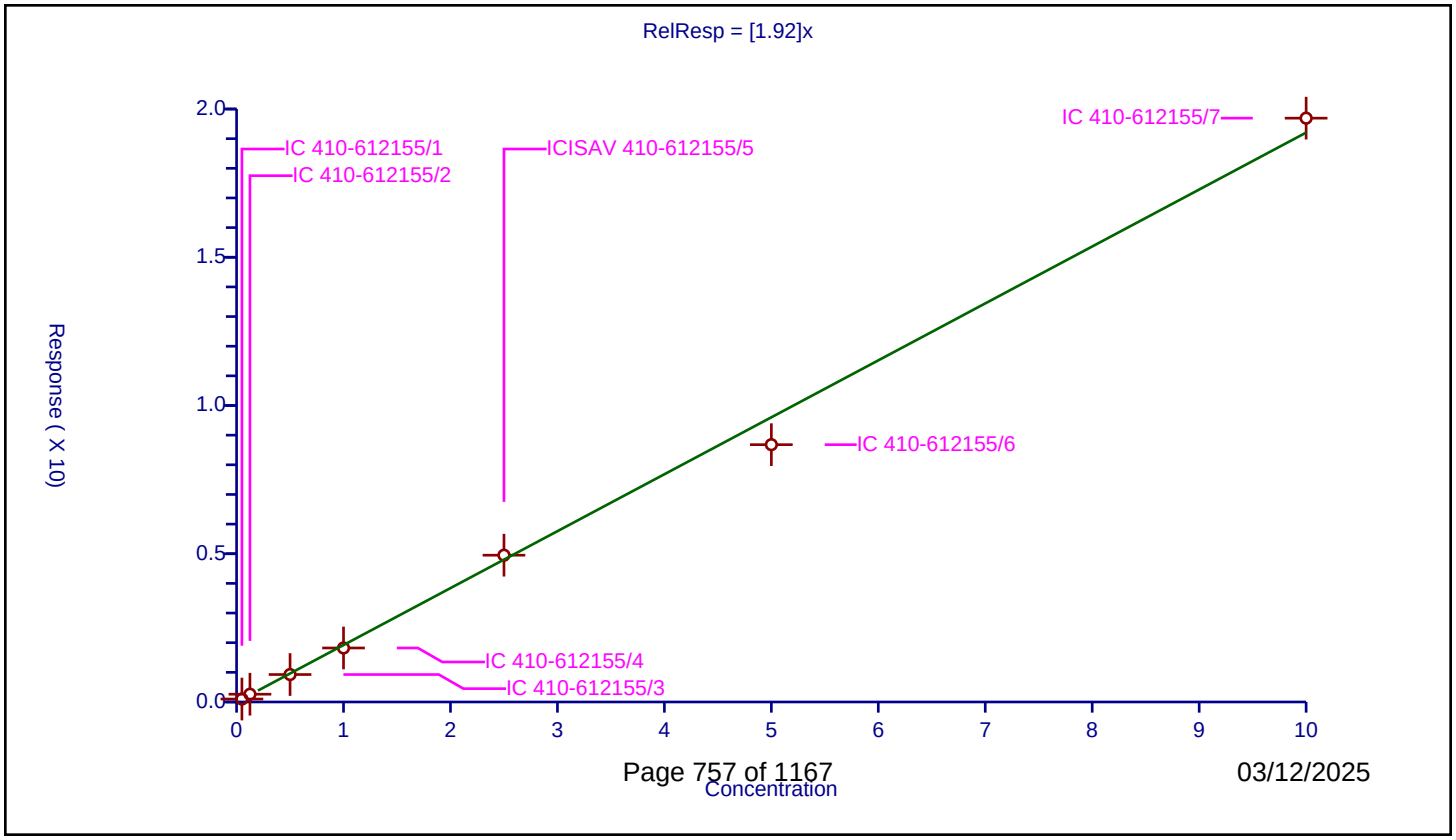
Curve Coefficients

Intercept:	0
Slope:	1.92

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.05	0.099397	2.0	529615.0	1.987935	Y
2	IC 410-612155/2	0.125	0.262067	2.0	502712.0	2.096532	Y
3	IC 410-612155/3	0.5	0.925789	2.0	496042.0	1.851577	Y
4	IC 410-612155/4	1.0	1.821402	2.0	485447.0	1.821402	Y
5	ICISAV 410-612155/5	2.5	4.950994	2.0	479185.0	1.980398	Y
6	IC 410-612155/6	5.0	8.679006	2.0	504741.0	1.735801	Y
7	IC 410-612155/7	10.0	19.691406	2.0	482426.0	1.969141	Y



Calibration / 1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

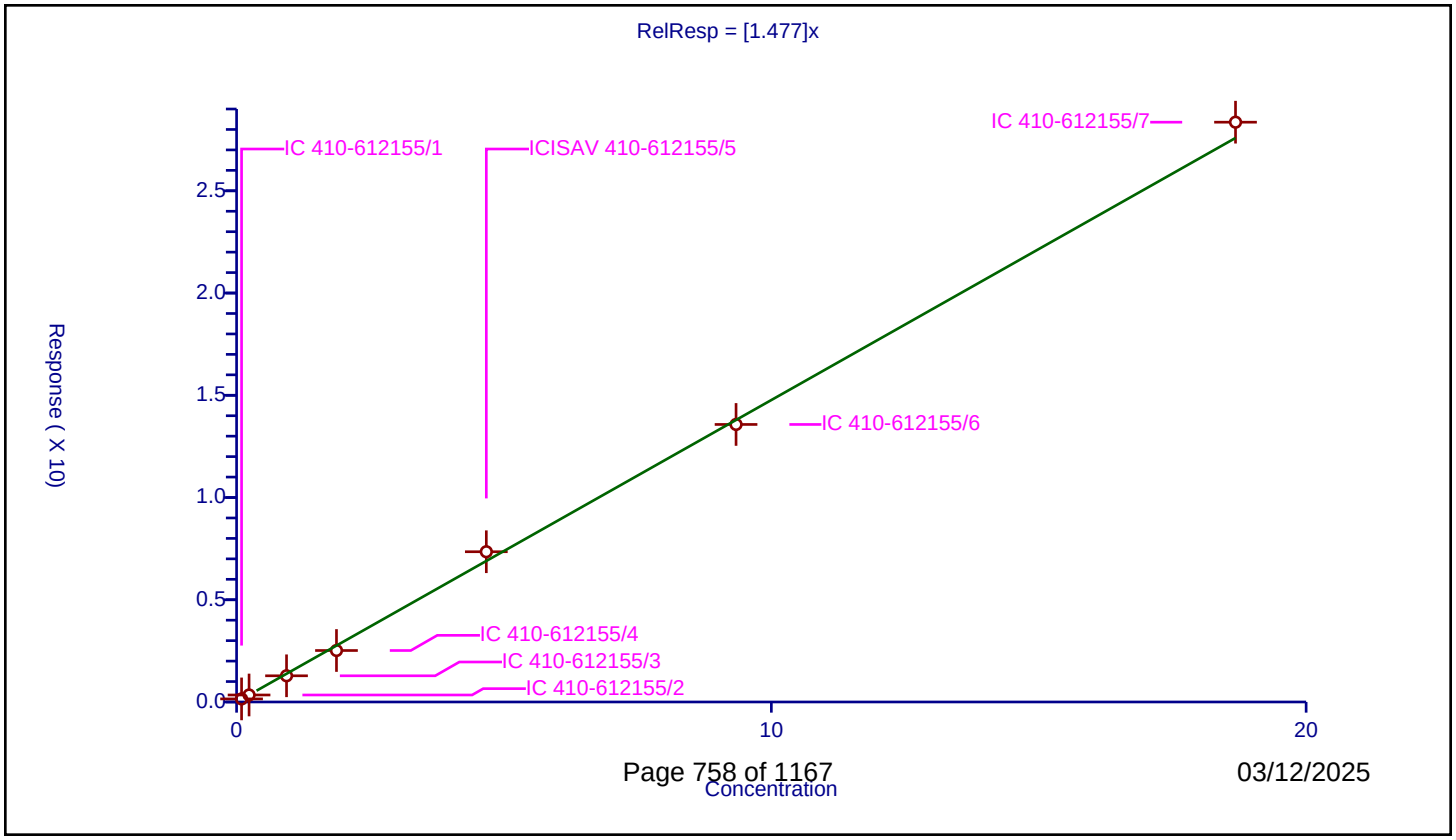
Curve Coefficients

Intercept:	0
Slope:	1.477

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.0934	0.150226	4.69	312508.0	1.608418	Y
2	IC 410-612155/2	0.2335	0.341872	4.69	280710.0	1.464118	Y
3	IC 410-612155/3	0.934	1.280933	4.69	296463.0	1.371449	Y
4	IC 410-612155/4	1.868	2.517947	4.69	272009.0	1.347937	Y
5	ICISAV 410-612155/5	4.67	7.348293	4.69	281870.0	1.57351	Y
6	IC 410-612155/6	9.34	13.573503	4.69	274572.0	1.453266	Y
7	IC 410-612155/7	18.68	28.355799	4.69	268405.0	1.517976	Y



Calibration / Perfluoro-3,6-dioxaheptanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

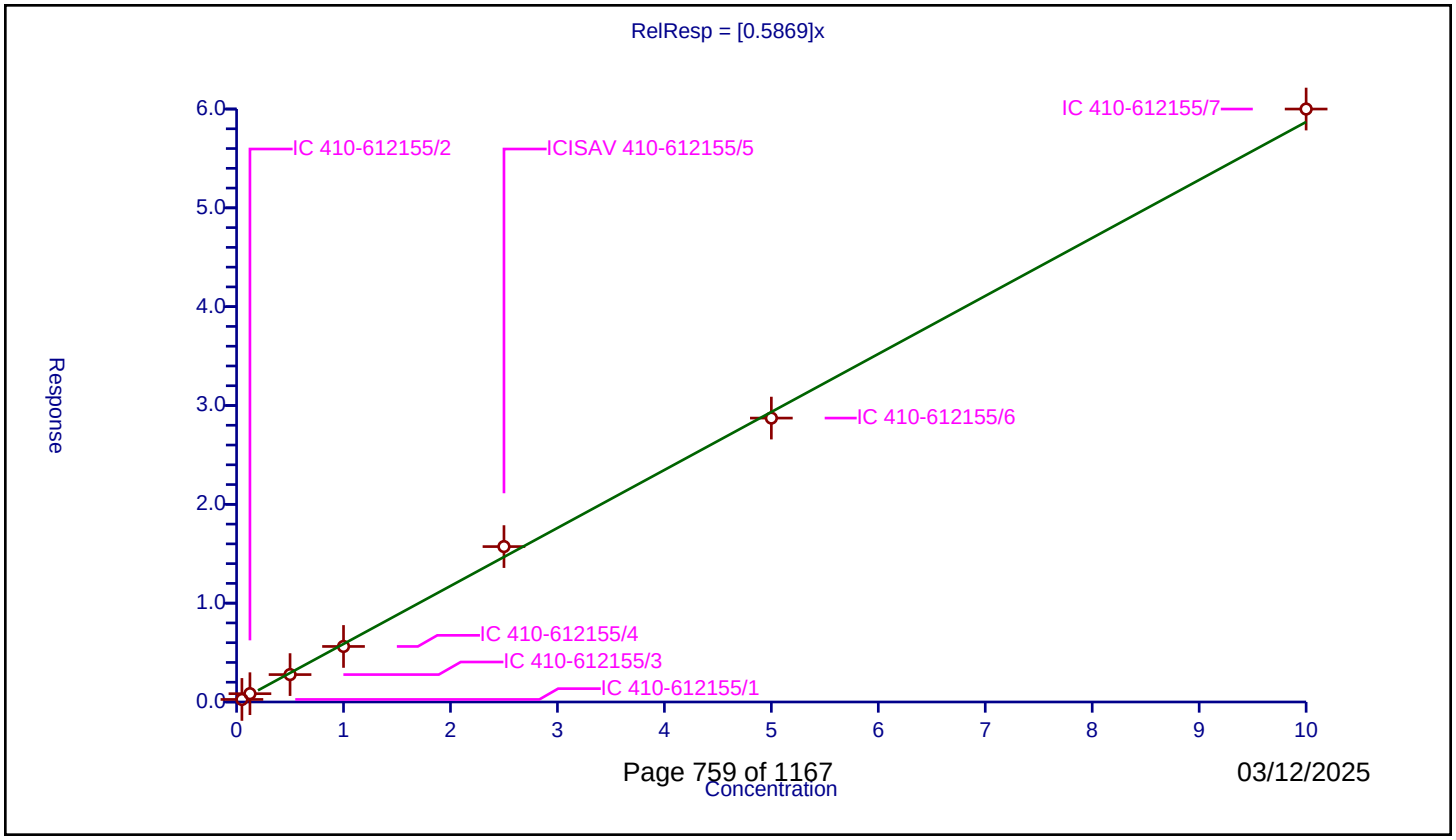
Curve Coefficients

Intercept:	0
Slope:	0.5869

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.05	0.025851	2.0	870989.0	0.517021	Y
2	IC 410-612155/2	0.125	0.083944	2.0	786692.0	0.671551	Y
3	IC 410-612155/3	0.5	0.27717	2.0	840466.0	0.55434	Y
4	IC 410-612155/4	1.0	0.562036	2.0	790832.0	0.562036	Y
5	ICISAV 410-612155/5	2.5	1.572412	2.0	833250.0	0.628965	Y
6	IC 410-612155/6	5.0	2.872604	2.0	788887.0	0.574521	Y
7	IC 410-612155/7	10.0	5.99977	2.0	774611.0	0.599977	Y



Calibration / Perfluorohexanoic acid

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

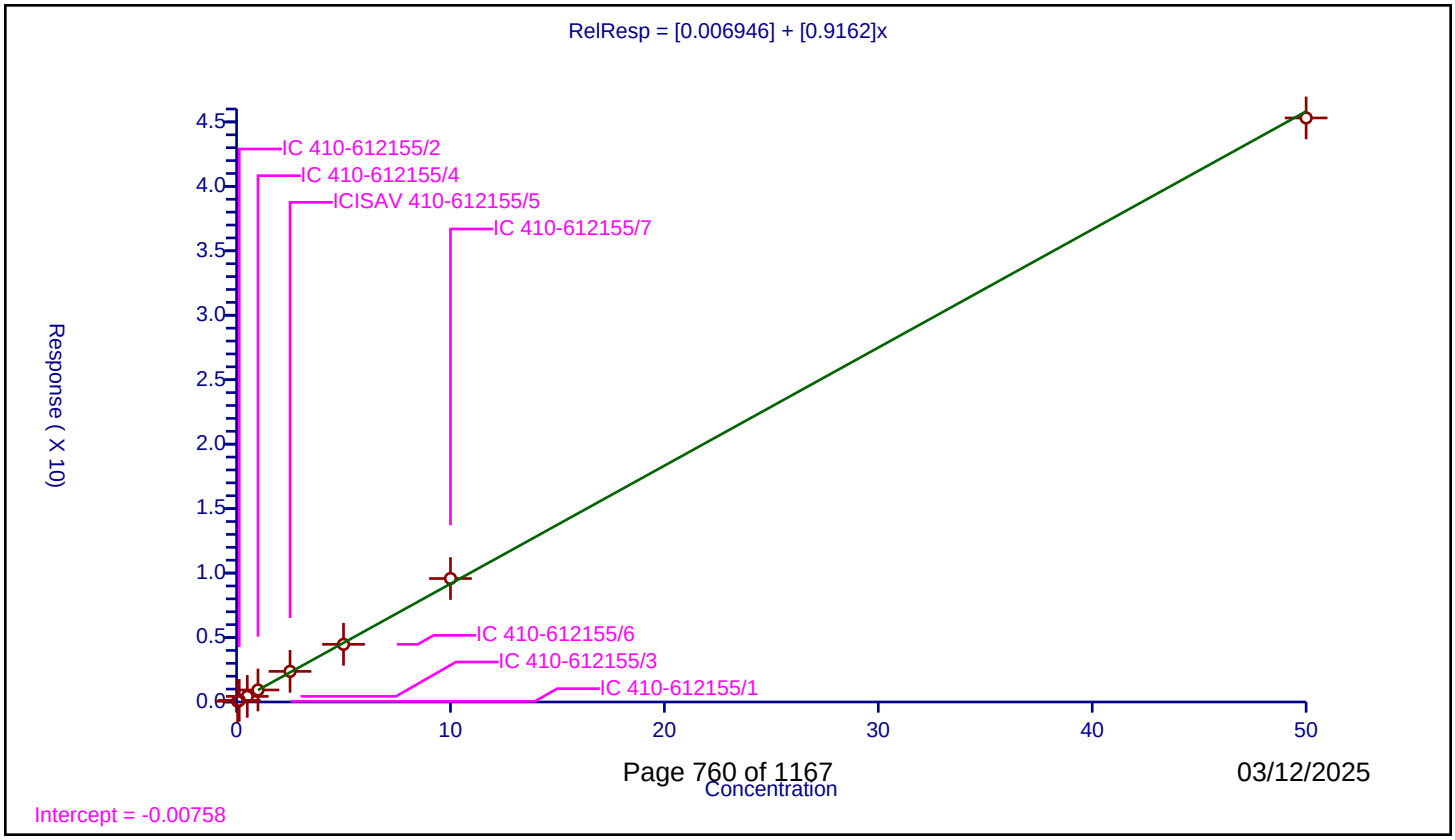
Curve Coefficients

Intercept:	0.006946
Slope:	0.9162

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.05	0.052752	2.0	870989.0	1.055031	Y
2	IC 410-612155/2	0.125	0.123042	2.0	786692.0	0.984334	Y
3	IC 410-612155/3	0.5	0.435251	2.0	840466.0	0.870503	Y
4	IC 410-612155/4	1.0	0.930956	2.0	790832.0	0.930956	Y
5	ICISAV 410-612155/5	2.5	2.375796	2.0	833250.0	0.950318	Y
6	IC 410-612155/6	5.0	4.473454	2.0	788887.0	0.894691	Y
7	IC 410-612155/7	10.0	9.577693	2.0	774611.0	0.957769	Y
8	IC 410-612155/8	50.0	45.307808	2.0	537351.0	0.906156	Y



Calibration / 5:3 FTCA

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

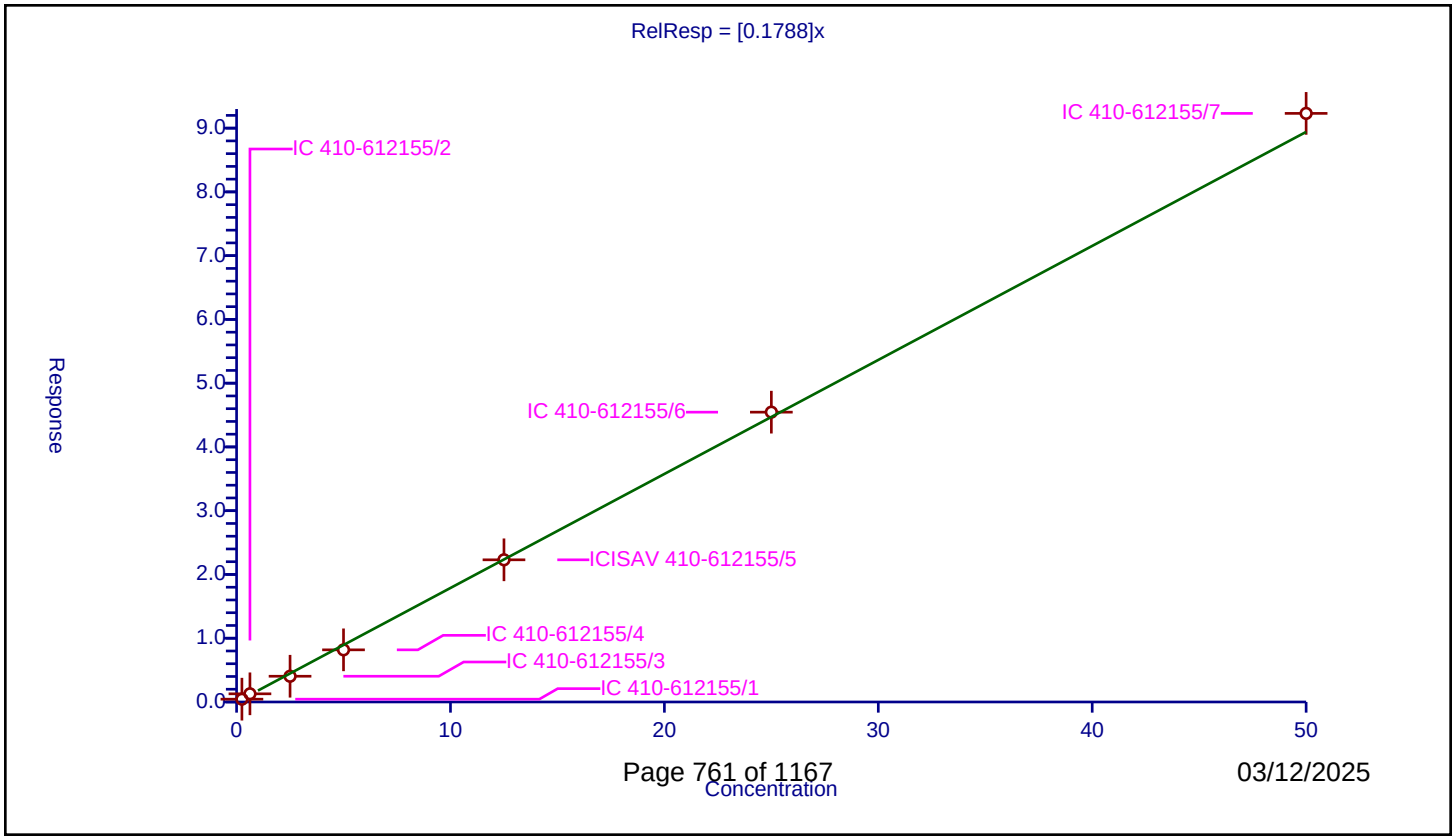
Curve Coefficients

Intercept:	0
Slope:	0.1788

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.25	0.044205	2.0	870989.0	0.17682	Y
2	IC 410-612155/2	0.625	0.128137	2.0	786692.0	0.205018	Y
3	IC 410-612155/3	2.5	0.403645	2.0	840466.0	0.161458	Y
4	IC 410-612155/4	5.0	0.817916	2.0	790832.0	0.163583	Y
5	ICISAV 410-612155/5	12.5	2.229849	2.0	833250.0	0.178388	Y
6	IC 410-612155/6	25.0	4.545718	2.0	788887.0	0.181829	Y
7	IC 410-612155/7	50.0	9.23125	2.0	774611.0	0.184625	Y



Calibration / FBSA

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

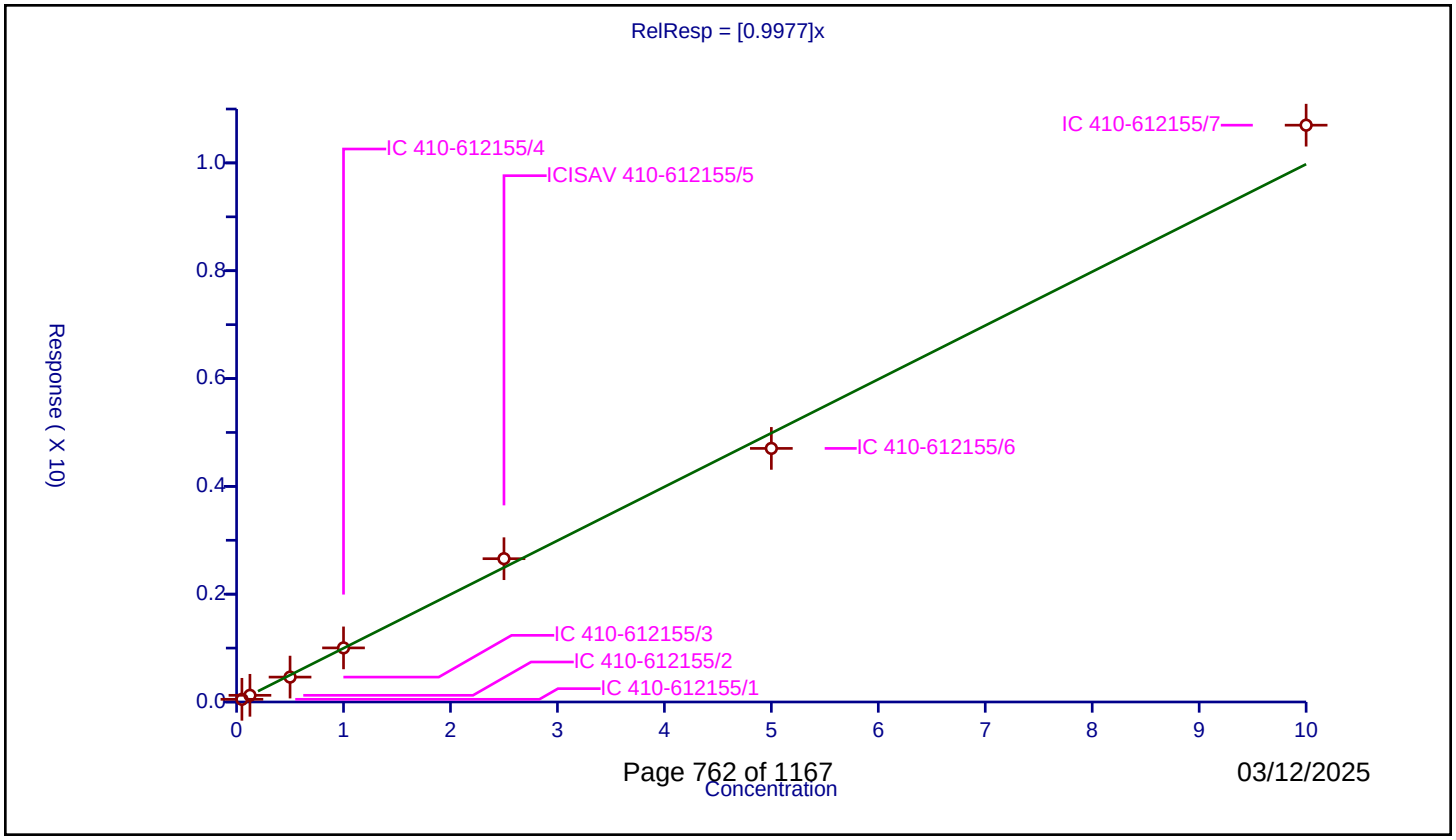
Curve Coefficients

Intercept:	0
Slope:	0.9977

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.05	0.049487	1.864	892925.0	0.989736	Y
2	IC 410-612155/2	0.125	0.124135	1.864	848623.0	0.993081	Y
3	IC 410-612155/3	0.5	0.461682	1.864	830447.0	0.923364	Y
4	IC 410-612155/4	1.0	1.003248	1.864	819684.0	1.003248	Y
5	ICISAV 410-612155/5	2.5	2.658358	1.864	829080.0	1.063343	Y
6	IC 410-612155/6	5.0	4.704356	1.864	860671.0	0.940871	Y
7	IC 410-612155/7	10.0	10.700244	1.864	800988.0	1.070024	Y



Calibration / Perfluorobutanesulfonic acid

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

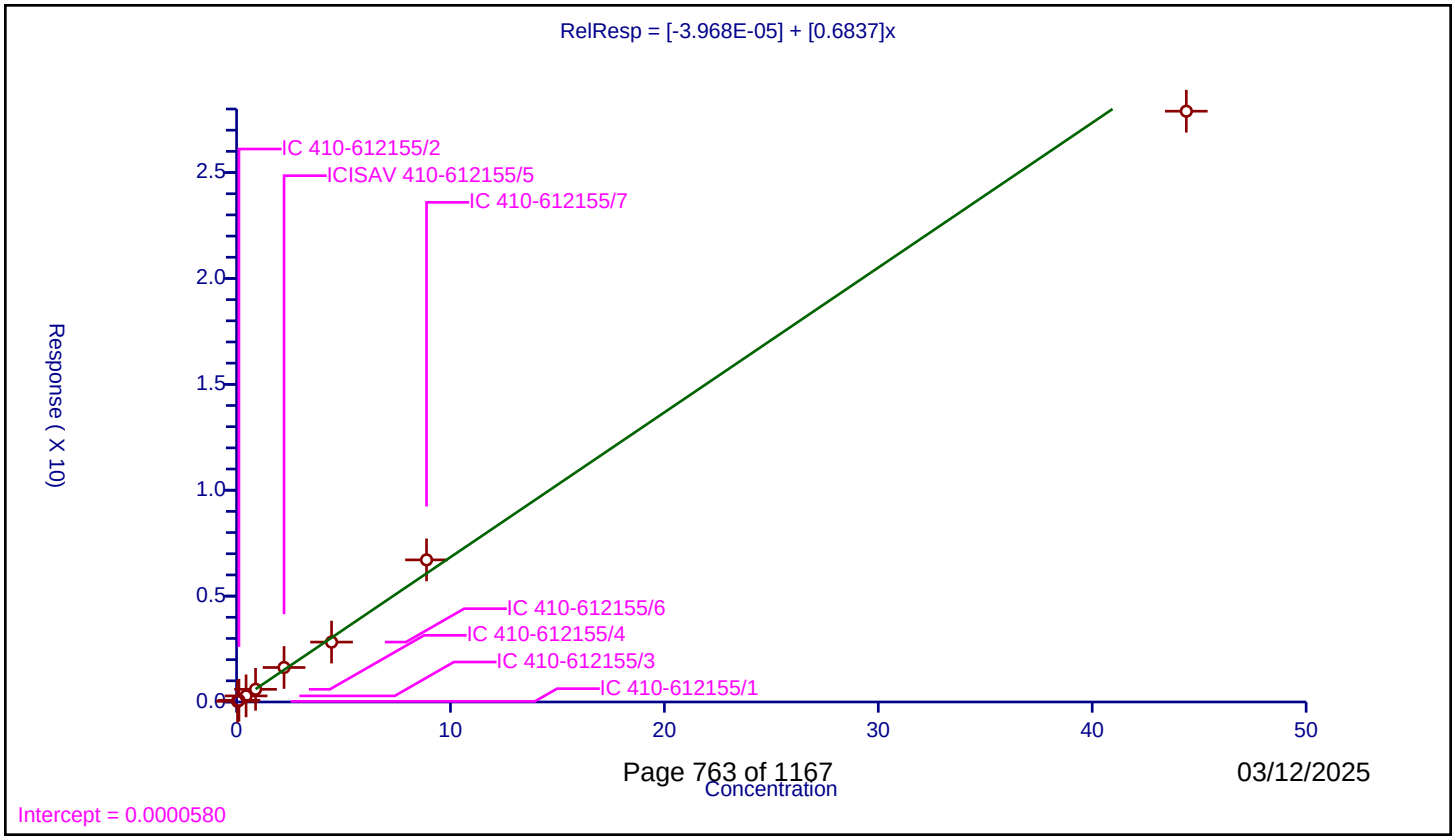
Curve Coefficients

Intercept:	-3.968E-05
Slope:	0.6837

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.0444	0.029822	1.864	892925.0	0.671674	Y
2	IC 410-612155/2	0.111	0.07981	1.864	848623.0	0.719007	Y
3	IC 410-612155/3	0.444	0.288349	1.864	830447.0	0.649435	Y
4	IC 410-612155/4	0.888	0.598516	1.864	819684.0	0.674004	Y
5	ICISAV 410-612155/5	2.22	1.628185	1.864	829080.0	0.733417	Y
6	IC 410-612155/6	4.44	2.828139	1.864	860671.0	0.636968	Y
7	IC 410-612155/7	8.88	6.710528	1.864	800988.0	0.75569	Y
8	IC 410-612155/8	44.4	27.897324	1.864	568962.0	0.628318	Y



Calibration / Perfluoro(2-propoxypropanoic) acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

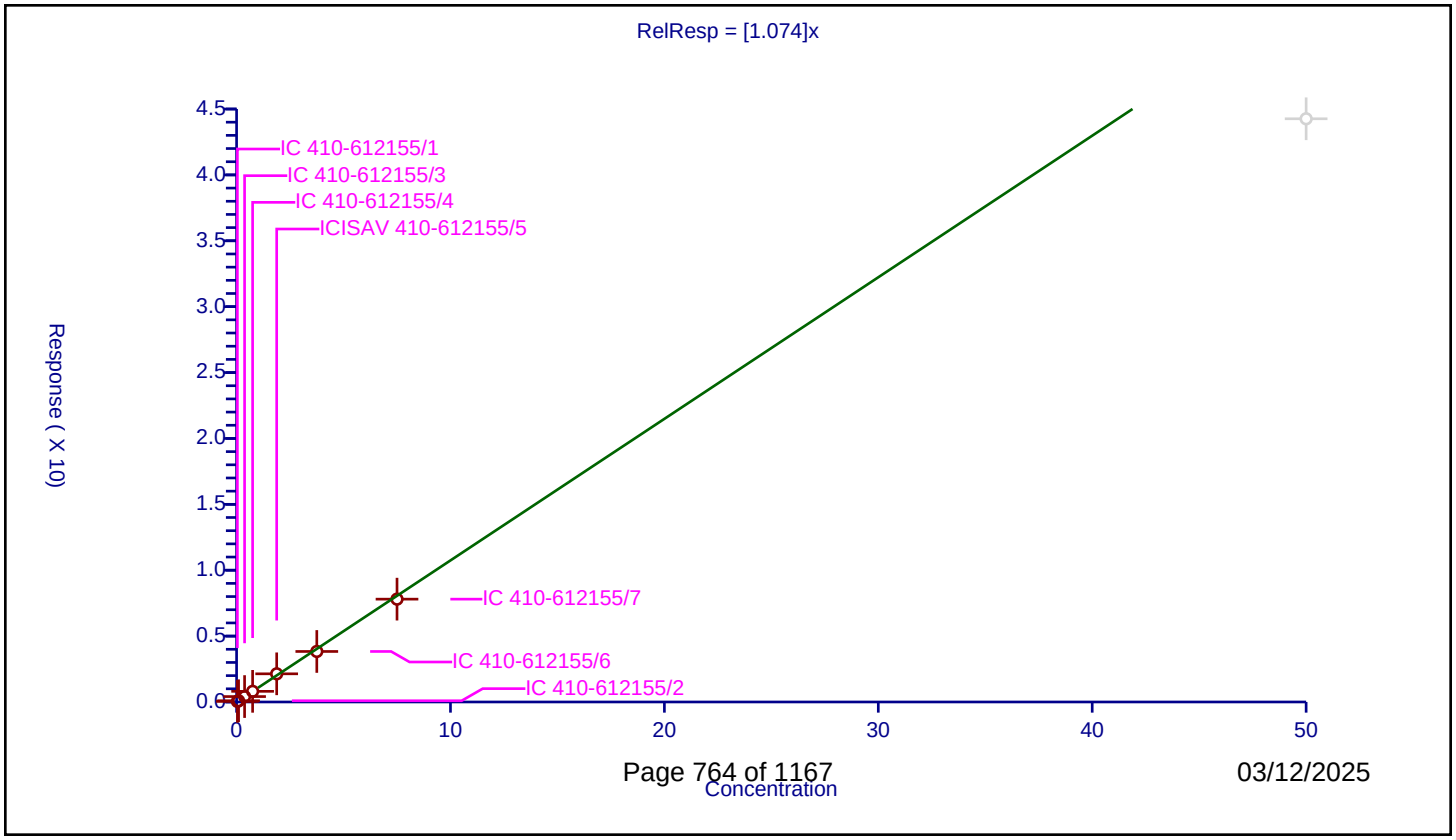
Curve Coefficients

Intercept:	0
Slope:	1.074

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.0375	0.042541	2.0	835947.0	1.134426	Y
2	IC 410-612155/2	0.09375	0.094207	2.0	766845.0	1.004872	Y
3	IC 410-612155/3	0.375	0.412311	2.0	751467.0	1.099496	Y
4	IC 410-612155/4	0.75	0.808558	2.0	759572.0	1.078077	Y
5	ICISAV 410-612155/5	1.875	2.138891	2.0	780209.0	1.140742	Y
6	IC 410-612155/6	3.75	3.834093	2.0	798049.0	1.022425	Y
7	IC 410-612155/7	7.5	7.803416	2.0	785464.0	1.040455	Y
8	IC 410-612155/8	50.0	44.259603	2.0	581872.0	0.885192	N



Calibration / Perfluoro (2-ethoxyethane) sulfonic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

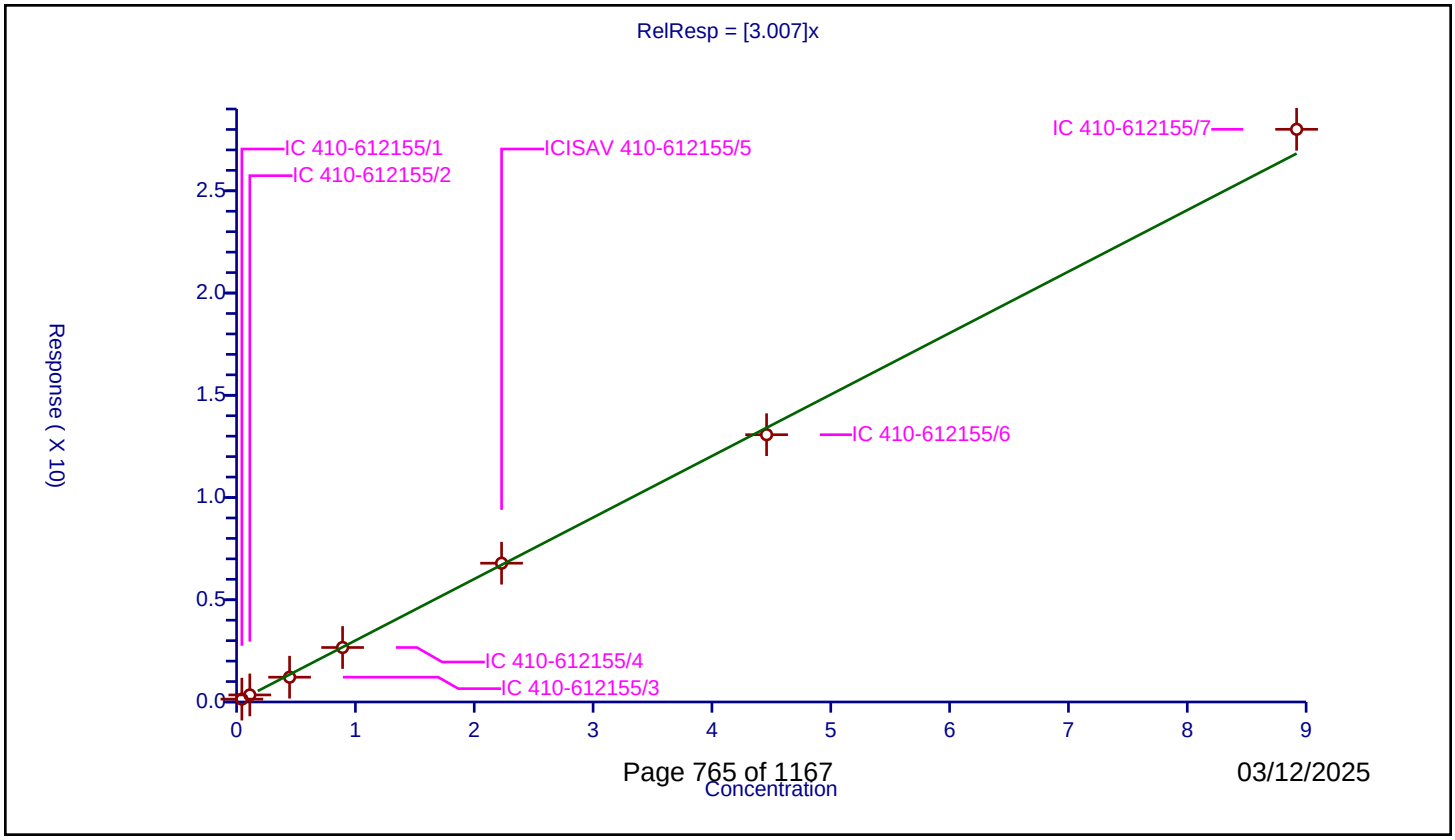
Curve Coefficients

Intercept:	0
Slope:	3.007

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.0446	0.139905	2.0	870989.0	3.136891	Y
2	IC 410-612155/2	0.1115	0.344681	2.0	786692.0	3.091312	Y
3	IC 410-612155/3	0.446	1.212653	2.0	840466.0	2.718954	Y
4	IC 410-612155/4	0.892	2.664983	2.0	790832.0	2.987649	Y
5	ICISAV 410-612155/5	2.23	6.787334	2.0	833250.0	3.043648	Y
6	IC 410-612155/6	4.46	13.071816	2.0	788887.0	2.930901	Y
7	IC 410-612155/7	8.92	28.007462	2.0	774611.0	3.13985	Y



Calibration / Perfluoroheptanoic acid

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

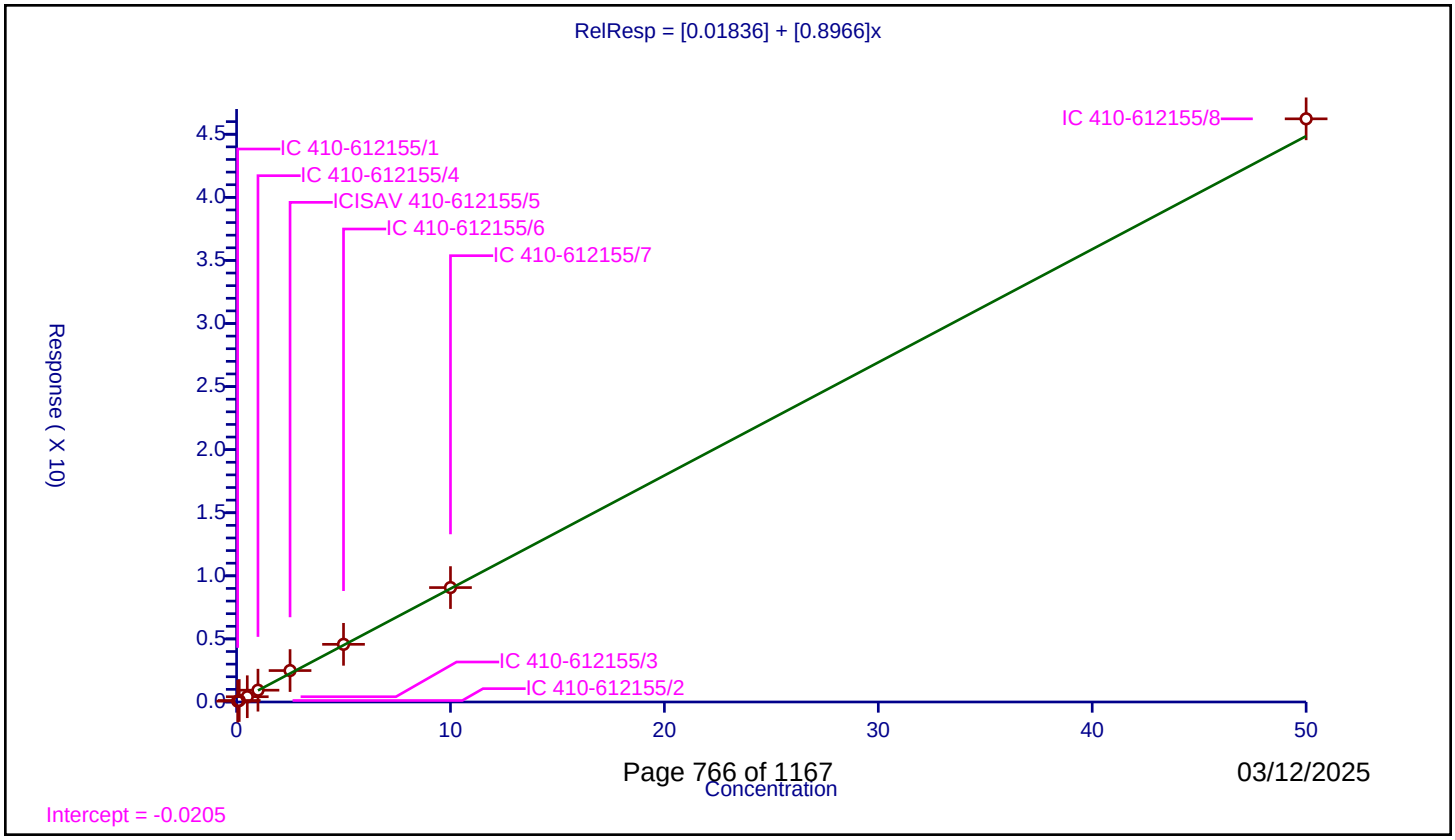
Curve Coefficients

Intercept:	0.01836
Slope:	0.8966

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.05	0.065808	2.0	773432.0	1.31616	Y
2	IC 410-612155/2	0.125	0.11628	2.0	798369.0	0.930237	Y
3	IC 410-612155/3	0.5	0.416575	2.0	805493.0	0.833149	Y
4	IC 410-612155/4	1.0	0.934352	2.0	758419.0	0.934352	Y
5	ICISAV 410-612155/5	2.5	2.490514	2.0	776847.0	0.996205	Y
6	IC 410-612155/6	5.0	4.570647	2.0	787454.0	0.914129	Y
7	IC 410-612155/7	10.0	9.068138	2.0	772883.0	0.906814	Y
8	IC 410-612155/8	50.0	46.222882	2.0	521154.0	0.924458	Y



Calibration / DONA

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

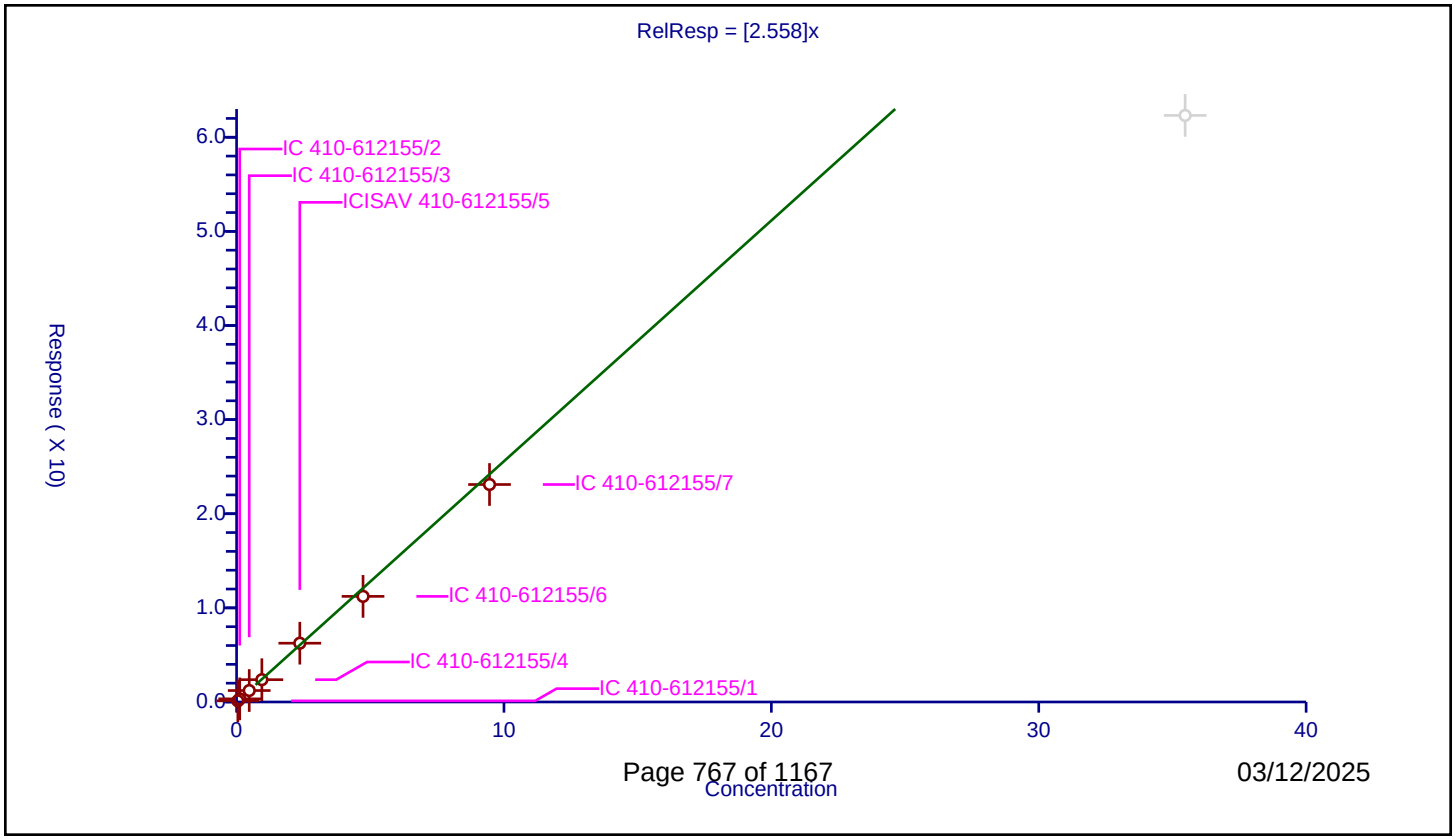
Curve Coefficients

Intercept:	0
Slope:	2.558

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.0473	0.120967	2.0	835947.0	2.557442	Y
2	IC 410-612155/2	0.11825	0.332643	2.0	766845.0	2.813053	Y
3	IC 410-612155/3	0.473	1.216383	2.0	751467.0	2.571635	Y
4	IC 410-612155/4	0.946	2.369326	2.0	759572.0	2.504573	Y
5	ICISAV 410-612155/5	2.365	6.246431	2.0	780209.0	2.641197	Y
6	IC 410-612155/6	4.73	11.220386	2.0	798049.0	2.372175	Y
7	IC 410-612155/7	9.46	23.10704	2.0	785464.0	2.442605	Y
8	IC 410-612155/8	35.475	62.316613	2.0	581872.0	1.756635	N



Calibration / Perfluoropentanesulfonic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

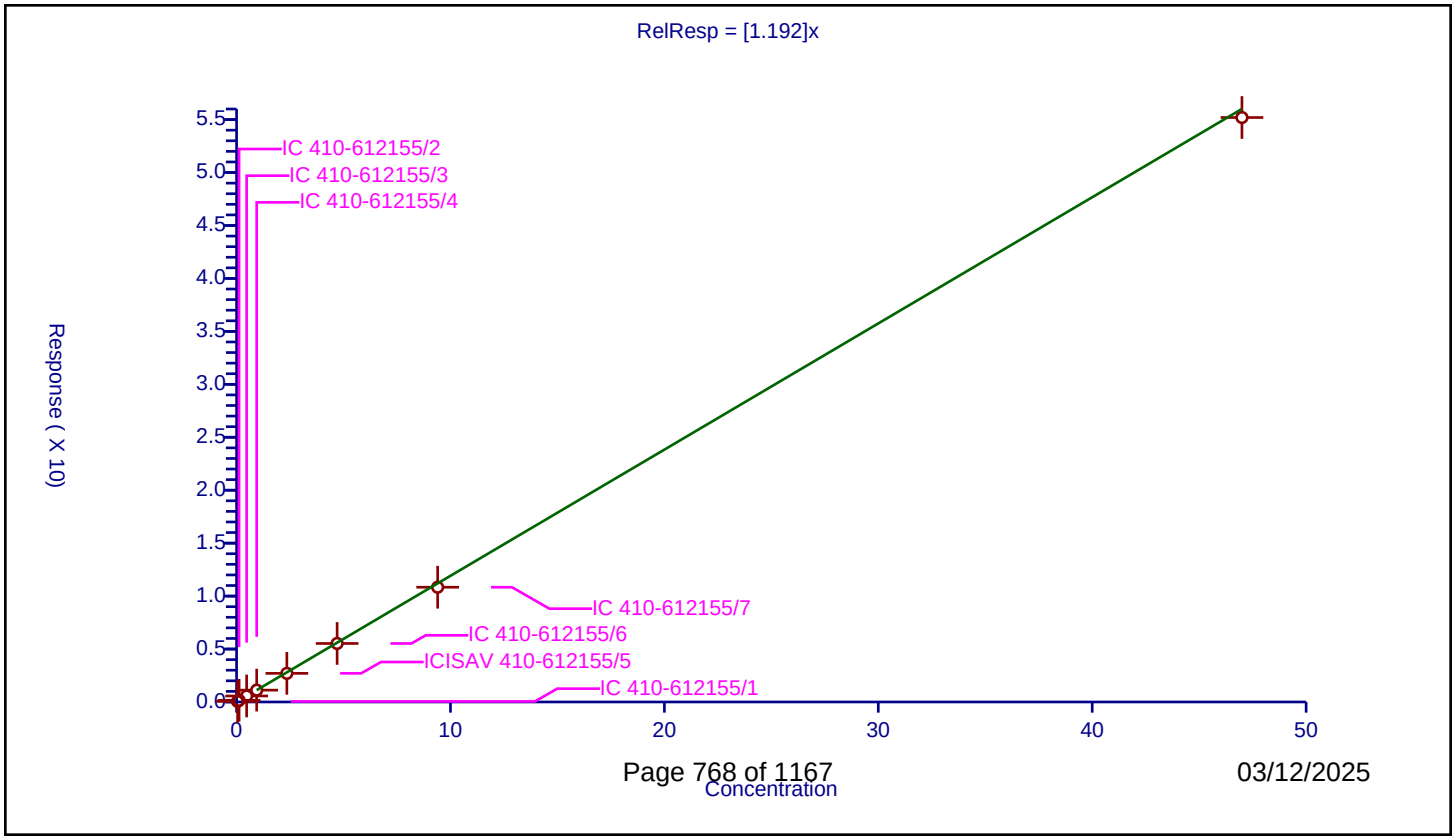
Curve Coefficients

Intercept:	0
Slope:	1.192

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.047	0.05329	1.896	753734.0	1.133838	Y
2	IC 410-612155/2	0.1175	0.157921	1.896	679852.0	1.344008	Y
3	IC 410-612155/3	0.47	0.568822	1.896	655431.0	1.21026	Y
4	IC 410-612155/4	0.94	1.120223	1.896	662007.0	1.191727	Y
5	ICISAV 410-612155/5	2.35	2.702751	1.896	699974.0	1.150107	Y
6	IC 410-612155/6	4.7	5.527217	1.896	658789.0	1.176004	Y
7	IC 410-612155/7	9.4	10.837229	1.896	673915.0	1.152897	Y
8	IC 410-612155/8	47.0	55.196078	1.896	451135.0	1.174385	Y



Calibration / 1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

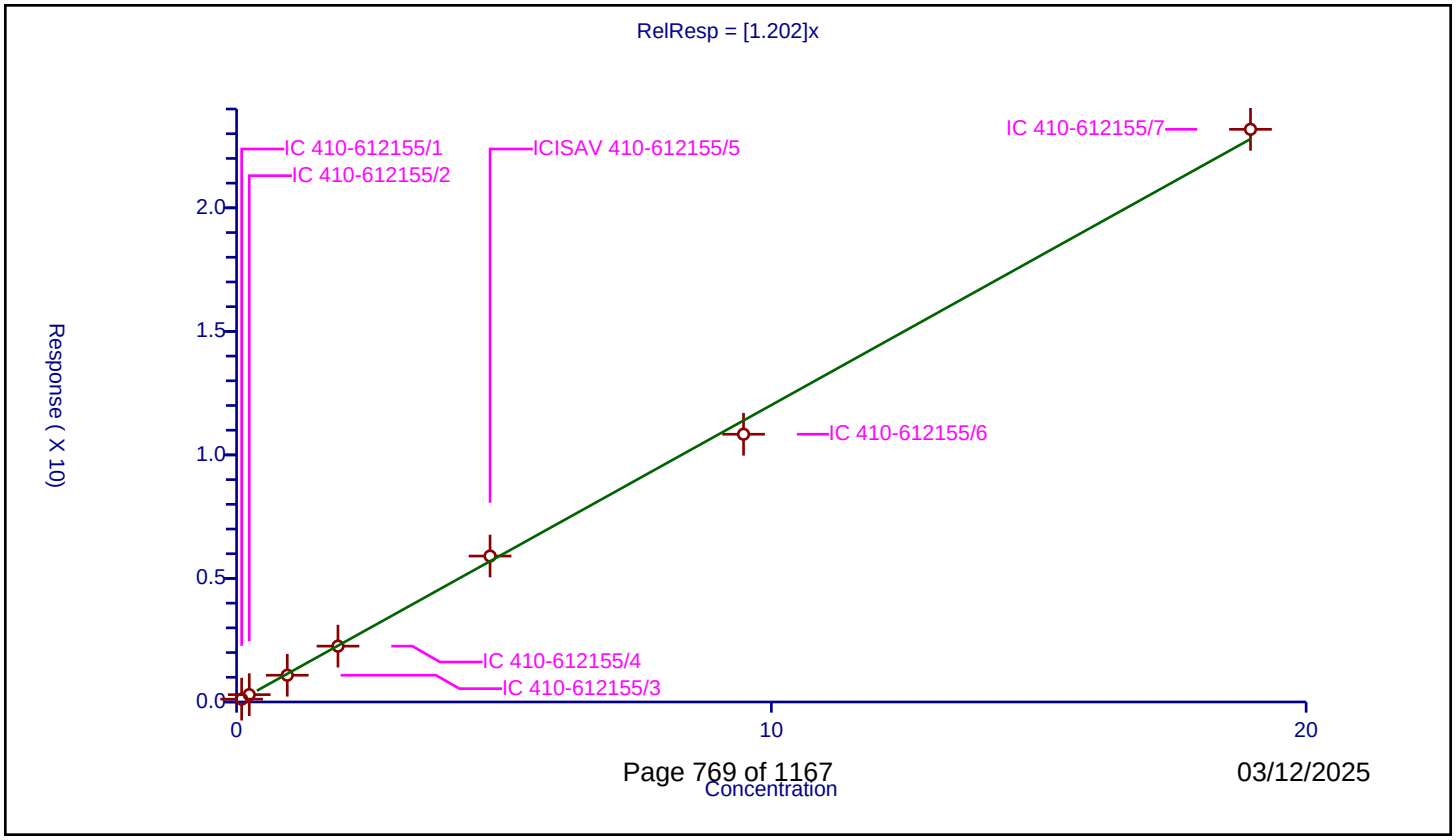
Curve Coefficients

Intercept:	0
Slope:	1.202

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.0948	0.114659	4.76	293342.0	1.209478	Y
2	IC 410-612155/2	0.237	0.297718	4.76	302051.0	1.256193	Y
3	IC 410-612155/3	0.948	1.083057	4.76	290714.0	1.142465	Y
4	IC 410-612155/4	1.896	2.260243	4.76	275726.0	1.192111	Y
5	ICISAV 410-612155/5	4.74	5.906742	4.76	271900.0	1.246148	Y
6	IC 410-612155/6	9.48	10.836502	4.76	291710.0	1.143091	Y
7	IC 410-612155/7	18.96	23.177766	4.76	263331.0	1.222456	Y



Calibration / bis(trifluoromethane)sulfonimide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

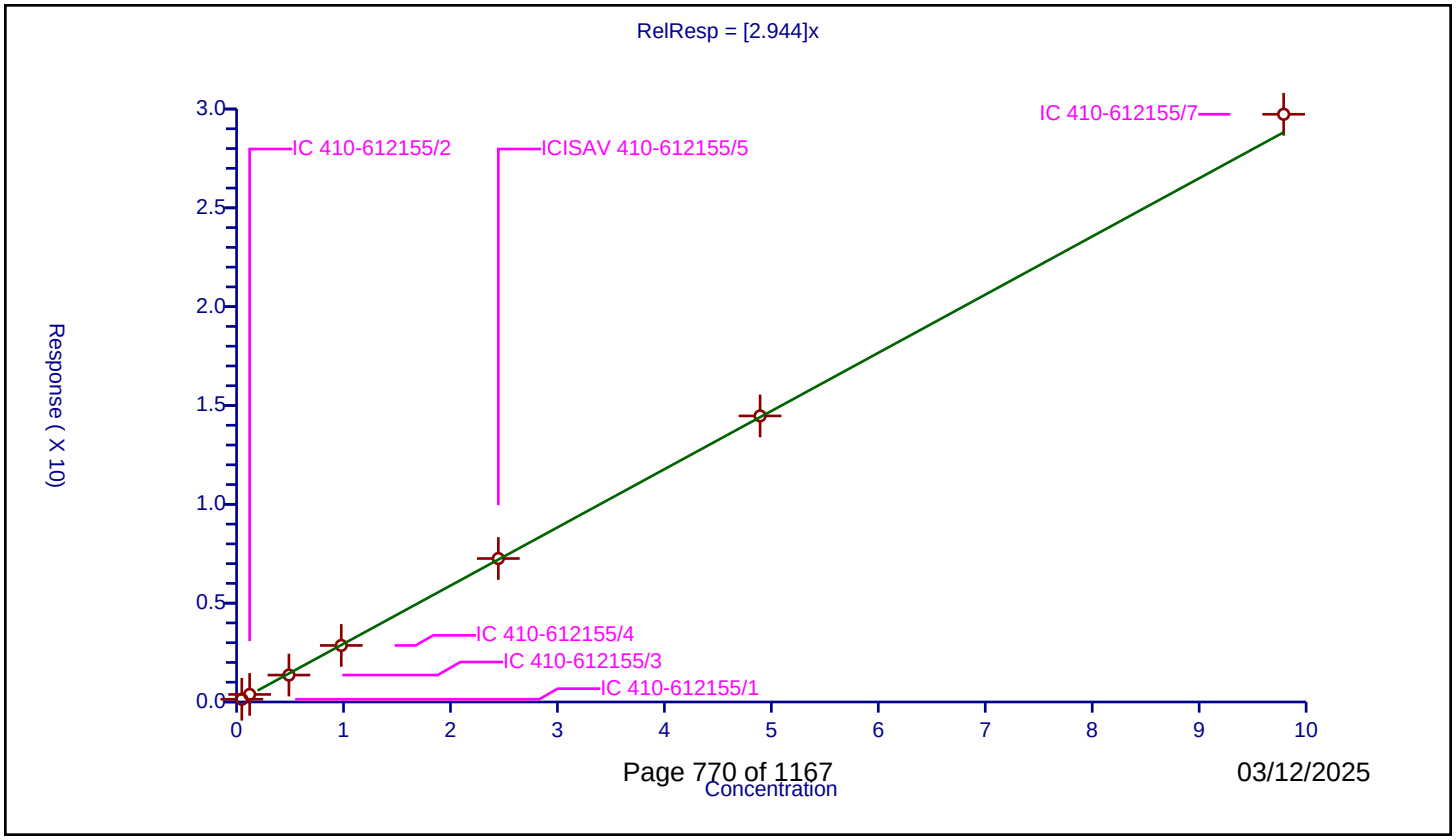
Curve Coefficients

Intercept:	0
Slope:	2.944

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.04895	0.13822	1.896	753734.0	2.823706	Y
2	IC 410-612155/2	0.122375	0.381809	1.896	679852.0	3.119994	Y
3	IC 410-612155/3	0.4895	1.361925	1.896	655431.0	2.782279	Y
4	IC 410-612155/4	0.979	2.860816	1.896	662007.0	2.922182	Y
5	ICISAV 410-612155/5	2.4475	7.258659	1.896	699974.0	2.965744	Y
6	IC 410-612155/6	4.895	14.4732	1.896	658789.0	2.956731	Y
7	IC 410-612155/7	9.79	29.733888	1.896	673915.0	3.037169	Y



Calibration / Perfluorooctanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

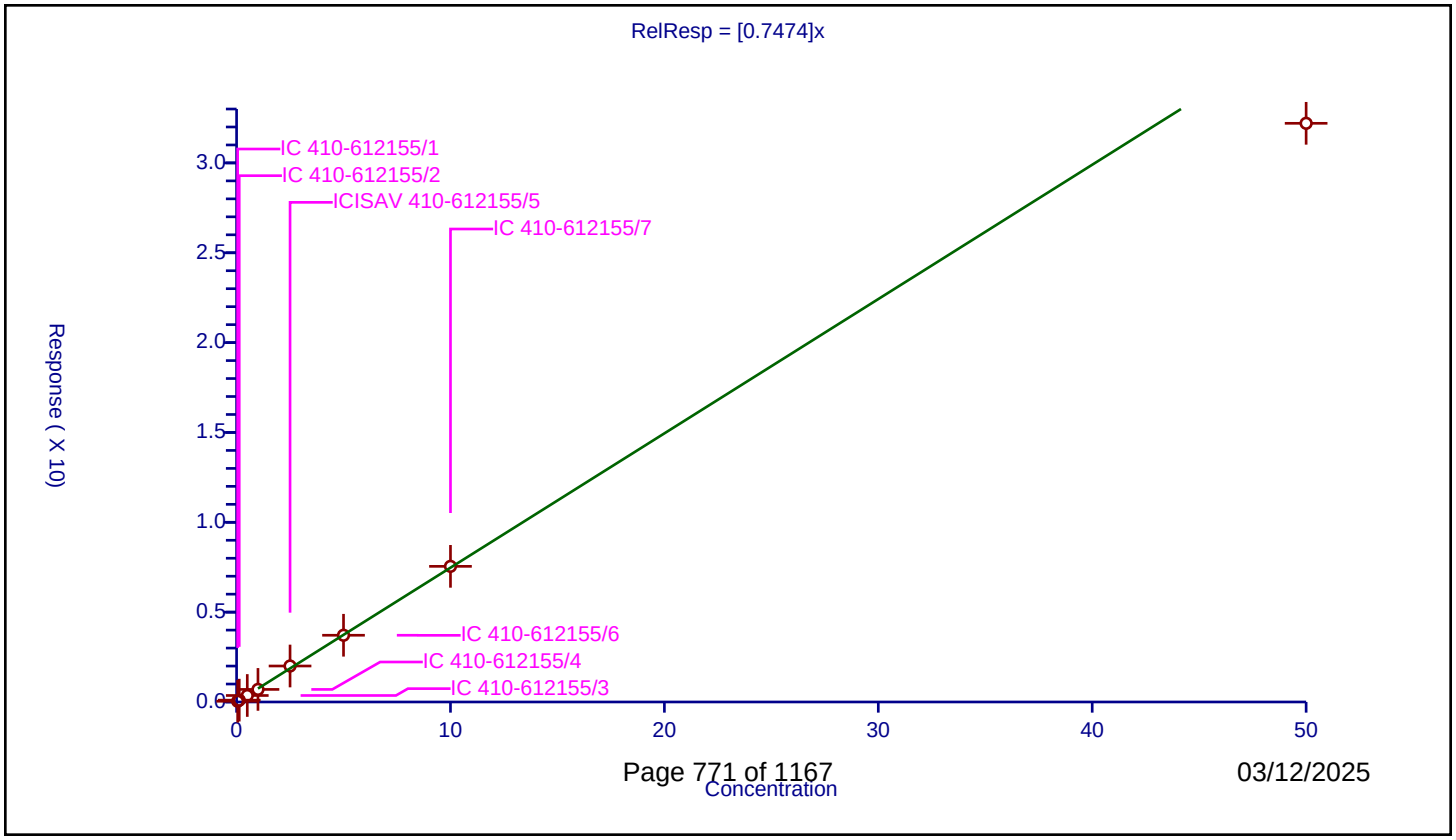
Curve Coefficients

Intercept:	0
Slope:	0.7474

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.05	0.040406	2.0	876260.0	0.808116	Y
2	IC 410-612155/2	0.125	0.100981	2.0	865553.0	0.807844	Y
3	IC 410-612155/3	0.5	0.360706	2.0	833005.0	0.721412	Y
4	IC 410-612155/4	1.0	0.699147	2.0	821301.0	0.699147	Y
5	ICISAV 410-612155/5	2.5	2.003147	2.0	806991.0	0.801259	Y
6	IC 410-612155/6	5.0	3.713951	2.0	805115.0	0.74279	Y
7	IC 410-612155/7	10.0	7.548767	2.0	821013.0	0.754877	Y
8	IC 410-612155/8	50.0	32.204563	2.0	579254.0	0.644091	Y



Calibration / 7:3 FTCA

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

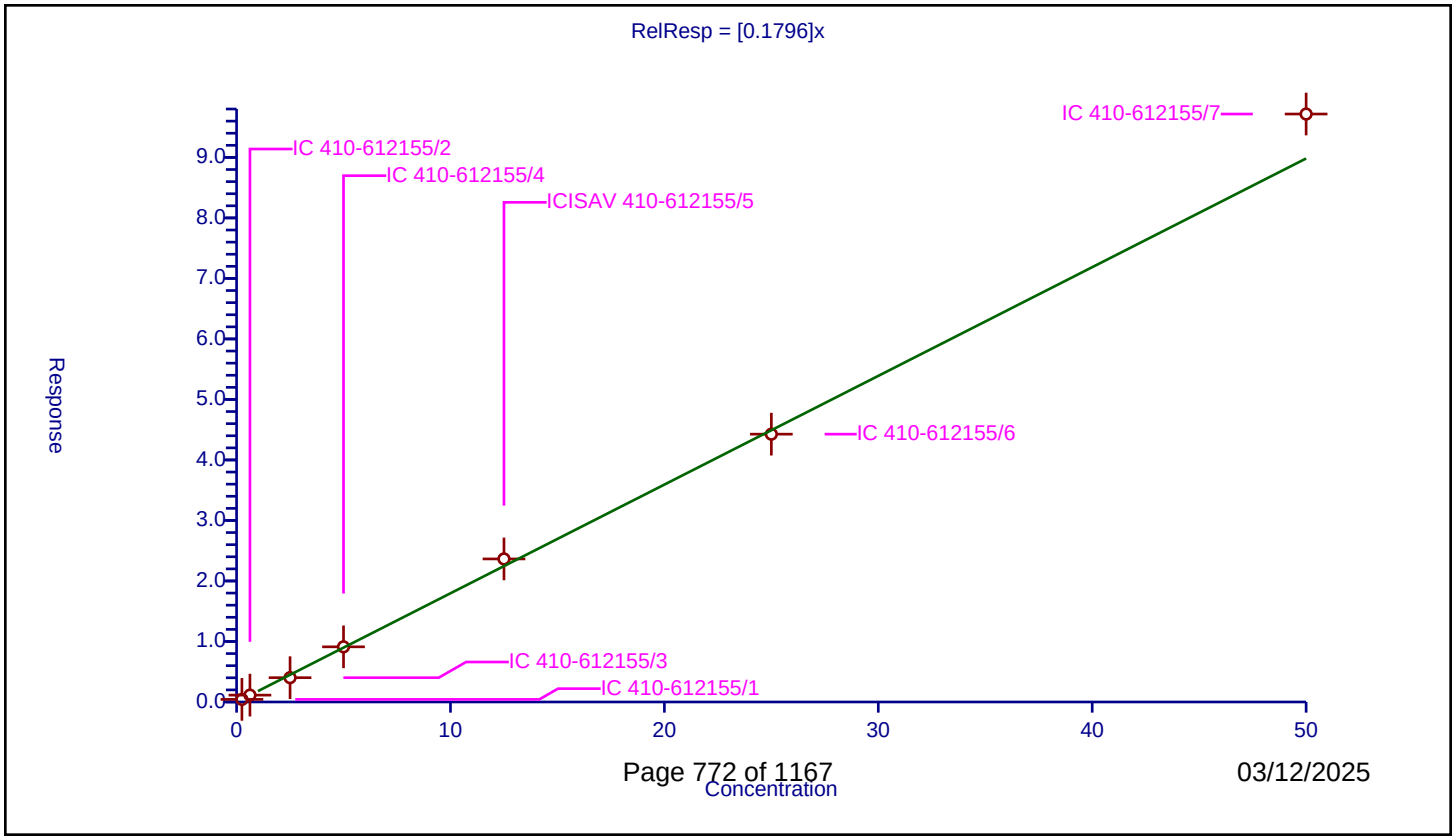
Curve Coefficients

Intercept:	0
Slope:	0.1796

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.25	0.043169	2.0	870989.0	0.172677	Y
2	IC 410-612155/2	0.625	0.113366	2.0	786692.0	0.181385	Y
3	IC 410-612155/3	2.5	0.40153	2.0	840466.0	0.160612	Y
4	IC 410-612155/4	5.0	0.911587	2.0	790832.0	0.182317	Y
5	ICISAV 410-612155/5	12.5	2.364424	2.0	833250.0	0.189154	Y
6	IC 410-612155/6	25.0	4.426162	2.0	788887.0	0.177046	Y
7	IC 410-612155/7	50.0	9.717053	2.0	774611.0	0.194341	Y



Calibration / Perfluorohexanesulfonic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

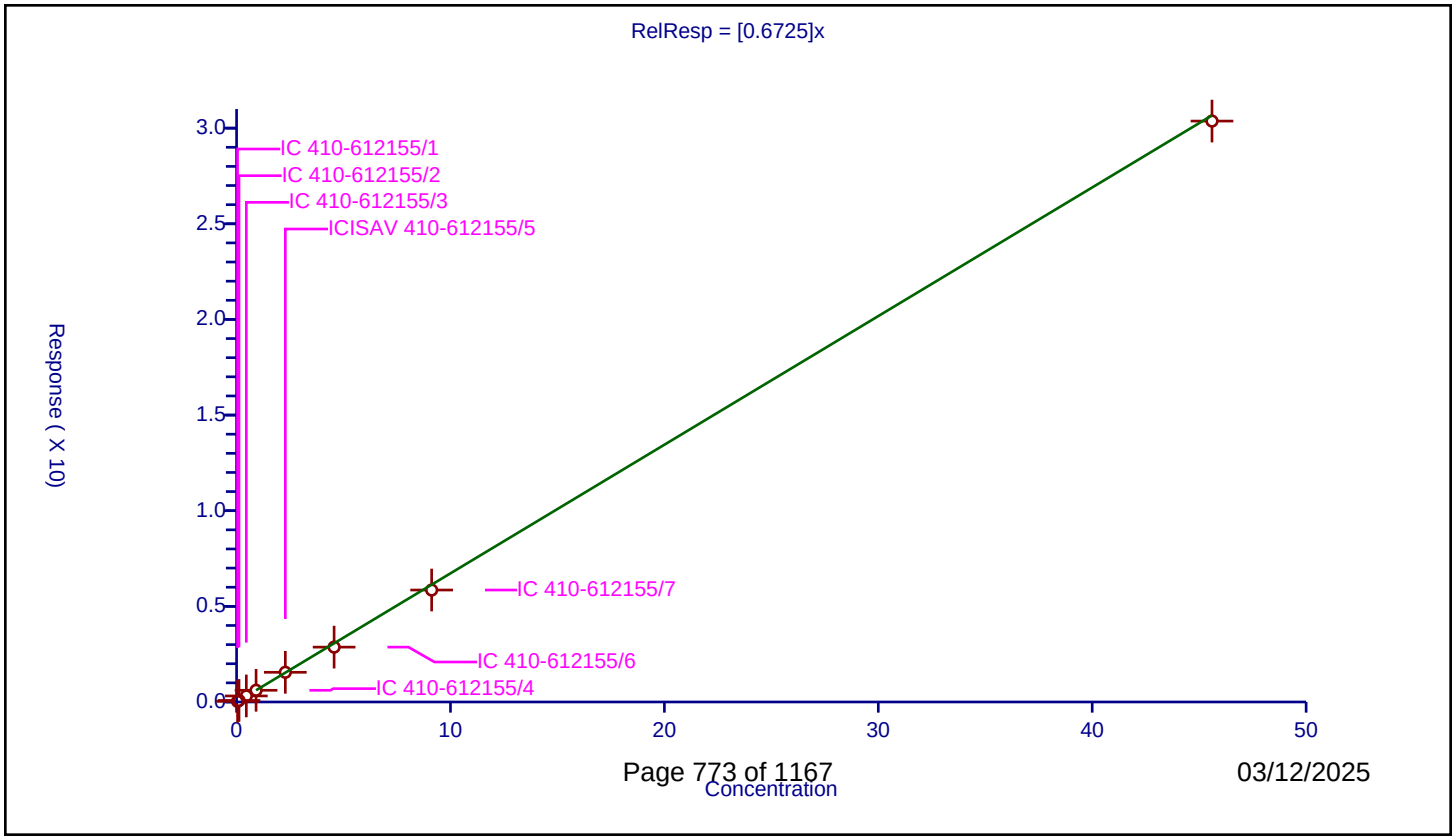
Curve Coefficients

Intercept:	0
Slope:	0.6725

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.0456	0.031574	1.896	753734.0	0.692418	Y
2	IC 410-612155/2	0.114	0.080642	1.896	679852.0	0.707387	Y
3	IC 410-612155/3	0.456	0.31516	1.896	655431.0	0.69114	Y
4	IC 410-612155/4	0.912	0.611797	1.896	662007.0	0.67083	Y
5	ICISAV 410-612155/5	2.28	1.553028	1.896	699974.0	0.681153	Y
6	IC 410-612155/6	4.56	2.868893	1.896	658789.0	0.629143	Y
7	IC 410-612155/7	9.12	5.853204	1.896	673915.0	0.641799	Y
8	IC 410-612155/8	45.6	30.369332	1.896	451135.0	0.665994	Y



Calibration / Perfluorononanoic acid

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

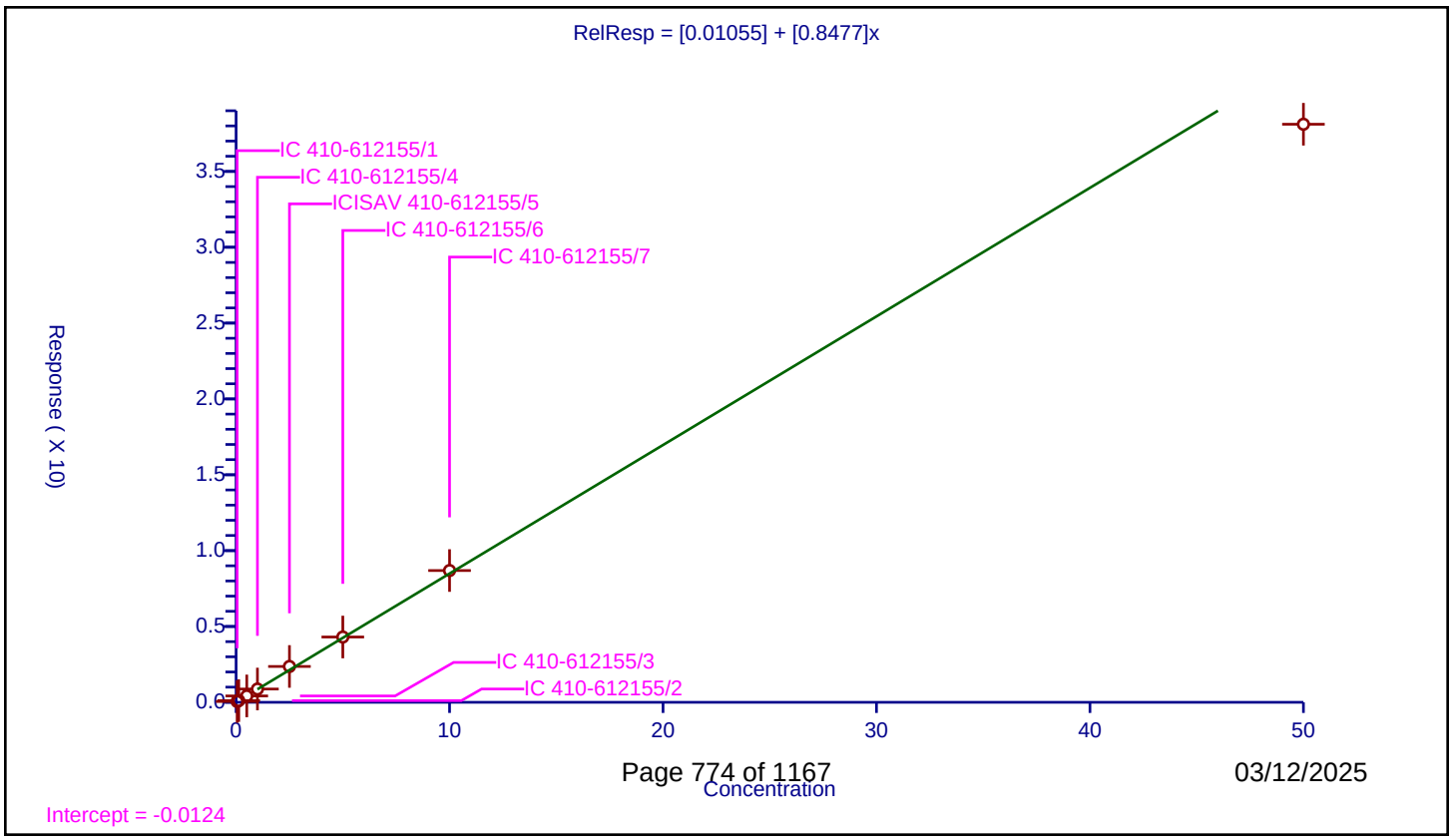
Curve Coefficients

Intercept:	0.01055
Slope:	0.8477

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.05	0.053857	2.0	689413.0	1.077148	Y
2	IC 410-612155/2	0.125	0.110733	2.0	671904.0	0.885865	Y
3	IC 410-612155/3	0.5	0.420295	2.0	683600.0	0.840591	Y
4	IC 410-612155/4	1.0	0.875174	2.0	638723.0	0.875174	Y
5	ICISAV 410-612155/5	2.5	2.363972	2.0	641533.0	0.945589	Y
6	IC 410-612155/6	5.0	4.304316	2.0	658941.0	0.860863	Y
7	IC 410-612155/7	10.0	8.687333	2.0	678323.0	0.868733	Y
8	IC 410-612155/8	50.0	38.109965	2.0	479807.0	0.762199	Y



Calibration / 1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

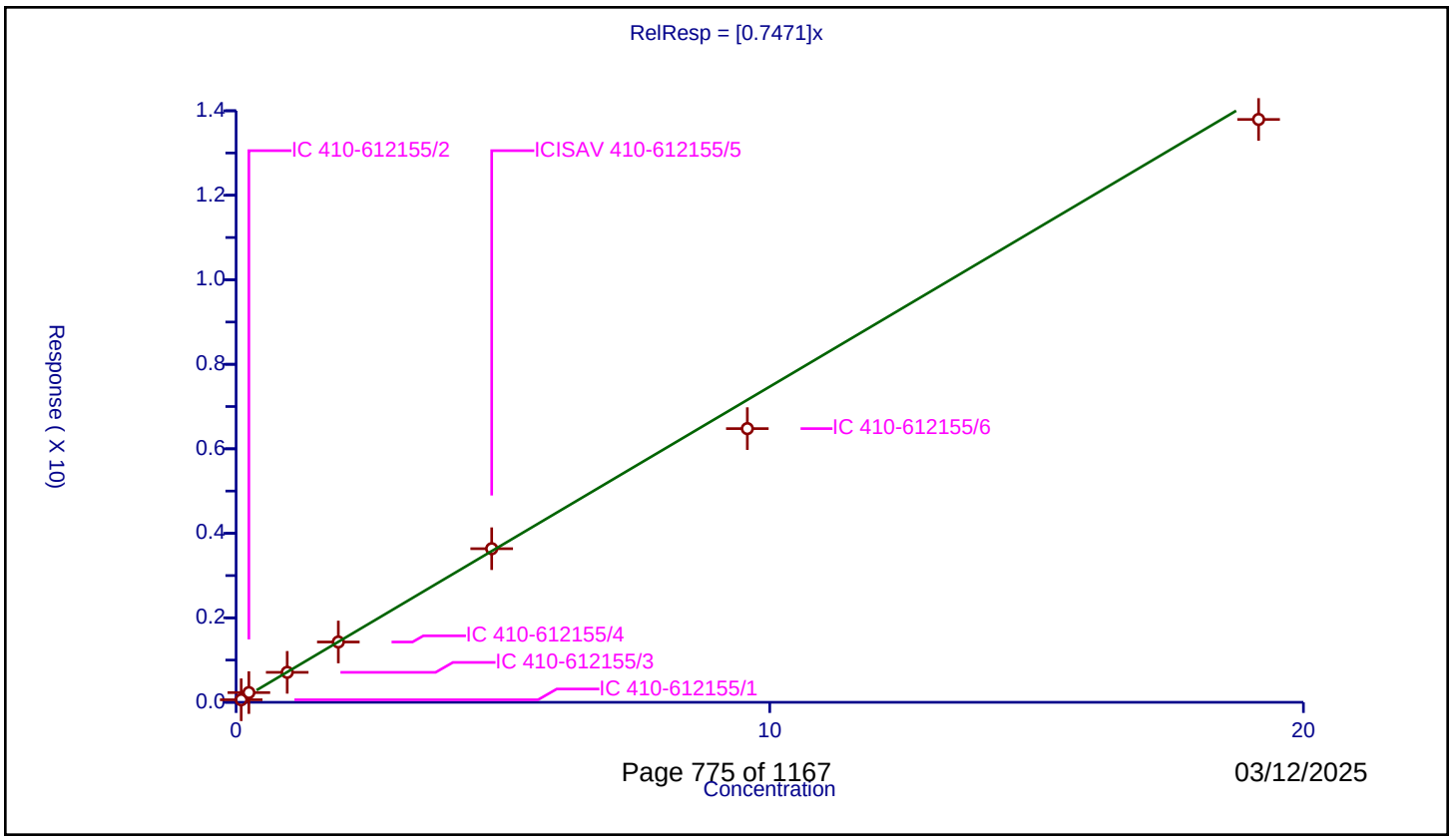
Curve Coefficients

Intercept:	0
Slope:	0.7471

Error Coefficients

Relative Standard Deviation:	14.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.0958	0.060079	4.8	323732.0	0.627133	Y
2	IC 410-612155/2	0.2395	0.230324	4.8	314416.0	0.961688	Y
3	IC 410-612155/3	0.958	0.709478	4.8	301743.0	0.740582	Y
4	IC 410-612155/4	1.916	1.427438	4.8	291698.0	0.745009	Y
5	ICISAV 410-612155/5	4.79	3.635575	4.8	306317.0	0.758993	Y
6	IC 410-612155/6	9.58	6.477354	4.8	314521.0	0.676133	Y
7	IC 410-612155/7	19.16	13.794259	4.8	303710.0	0.719951	Y



Calibration / FHxSA

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

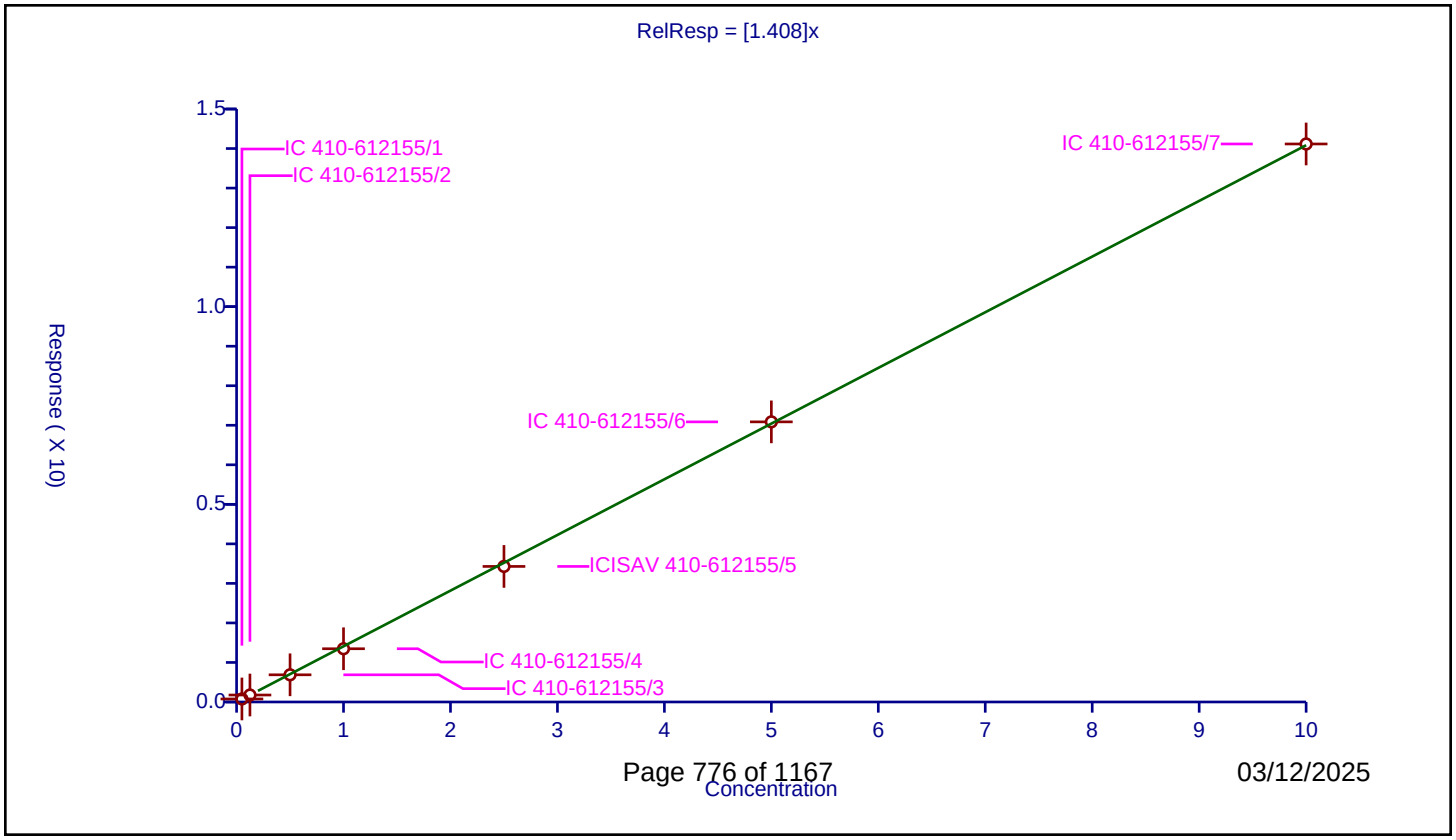
Curve Coefficients

Intercept:	0
Slope:	1.408

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.05	0.076226	1.896	753734.0	1.52453	Y
2	IC 410-612155/2	0.125	0.176405	1.896	679852.0	1.411243	Y
3	IC 410-612155/3	0.5	0.687874	1.896	655431.0	1.375747	Y
4	IC 410-612155/4	1.0	1.346822	1.896	662007.0	1.346822	Y
5	ICISAV 410-612155/5	2.5	3.429271	1.896	699974.0	1.371708	Y
6	IC 410-612155/6	5.0	7.08569	1.896	658789.0	1.417138	Y
7	IC 410-612155/7	10.0	14.115607	1.896	673915.0	1.411561	Y



Calibration / PFECHS

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

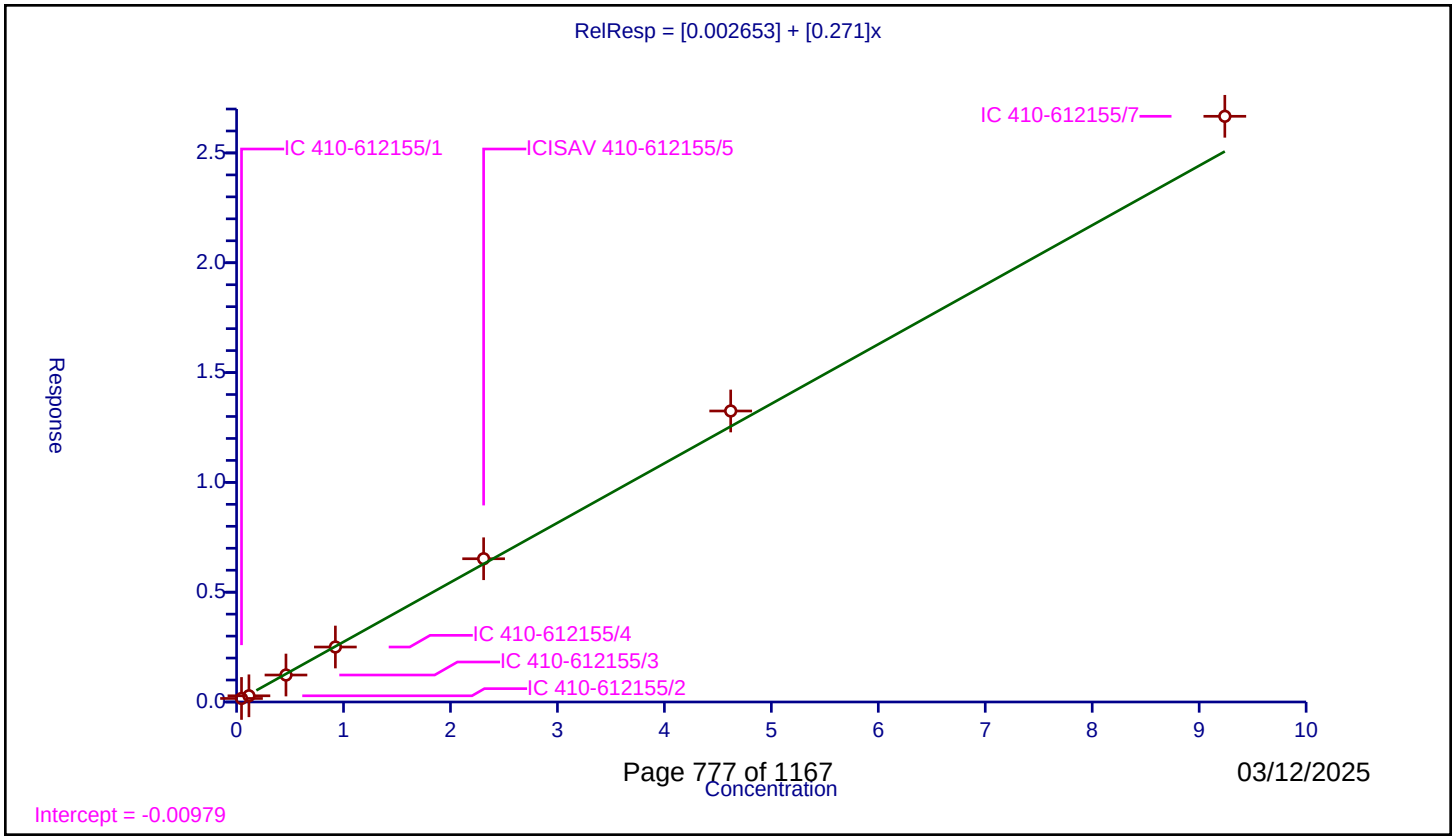
Curve Coefficients

Intercept:	0.002653
Slope:	0.271

Error Coefficients

Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.0462	0.016127	1.896	753734.0	0.349063	Y
2	IC 410-612155/2	0.1155	0.028226	1.896	679852.0	0.24438	Y
3	IC 410-612155/3	0.462	0.122873	1.896	655431.0	0.265958	Y
4	IC 410-612155/4	0.924	0.250358	1.896	662007.0	0.27095	Y
5	ICISAV 410-612155/5	2.31	0.652224	1.896	699974.0	0.282348	Y
6	IC 410-612155/6	4.62	1.325058	1.896	658789.0	0.286809	Y
7	IC 410-612155/7	9.24	2.666799	1.896	673915.0	0.288615	Y



Calibration / Perfluoroheptanesulfonic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

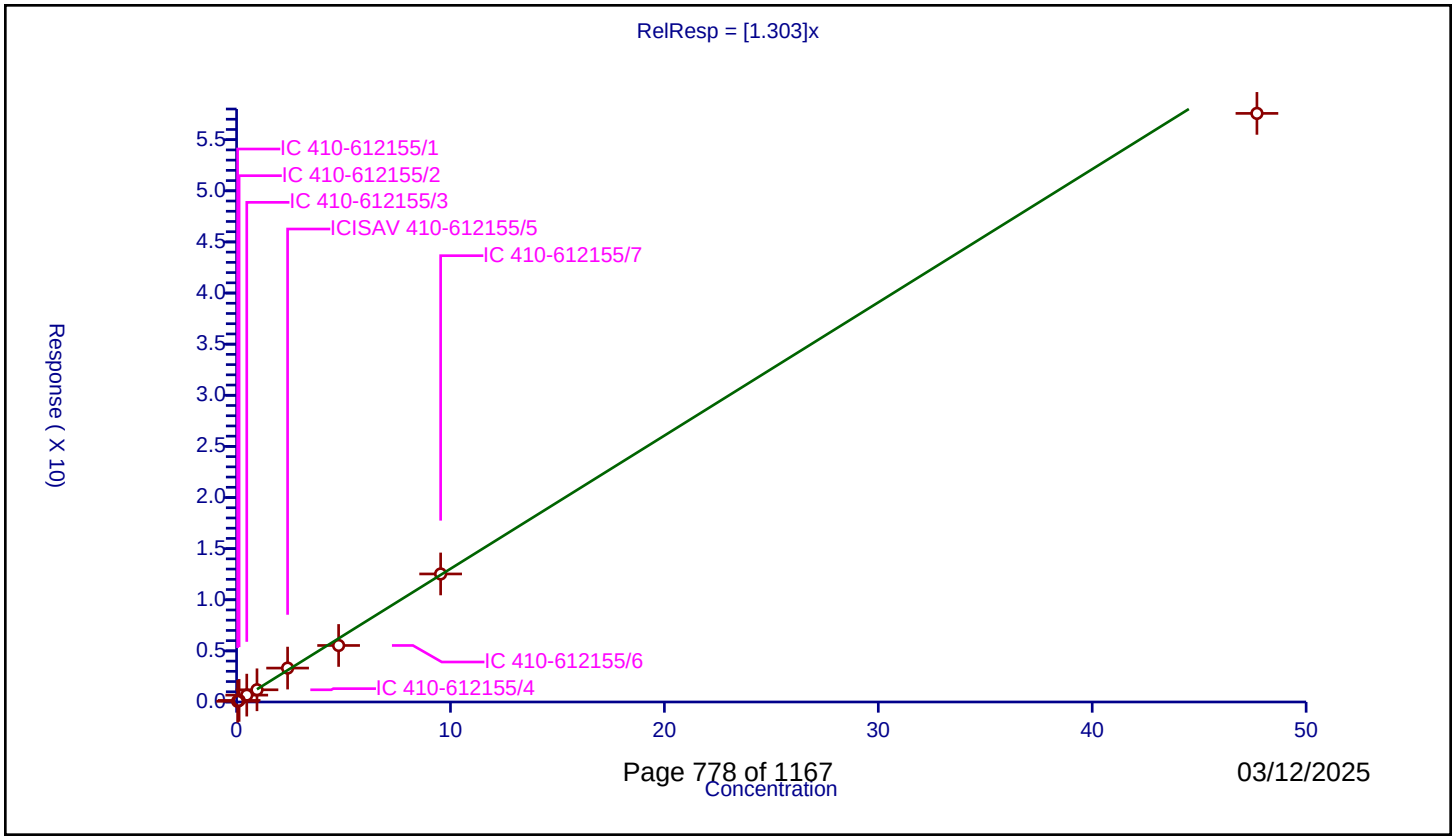
Curve Coefficients

Intercept:	0
Slope:	1.303

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.0477	0.065955	1.912	624806.0	1.382713	Y
2	IC 410-612155/2	0.11925	0.15624	1.912	608208.0	1.310188	Y
3	IC 410-612155/3	0.477	0.672202	1.912	591262.0	1.409228	Y
4	IC 410-612155/4	0.954	1.194189	1.912	595782.0	1.25177	Y
5	ICISAV 410-612155/5	2.385	3.315639	1.912	594484.0	1.390205	Y
6	IC 410-612155/6	4.77	5.528664	1.912	636364.0	1.159049	Y
7	IC 410-612155/7	9.54	12.522592	1.912	579479.0	1.312641	Y
8	IC 410-612155/8	47.7	57.572628	1.912	409767.0	1.206973	Y



Calibration / N-methylperfluorooctanesulfonamidoacetic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

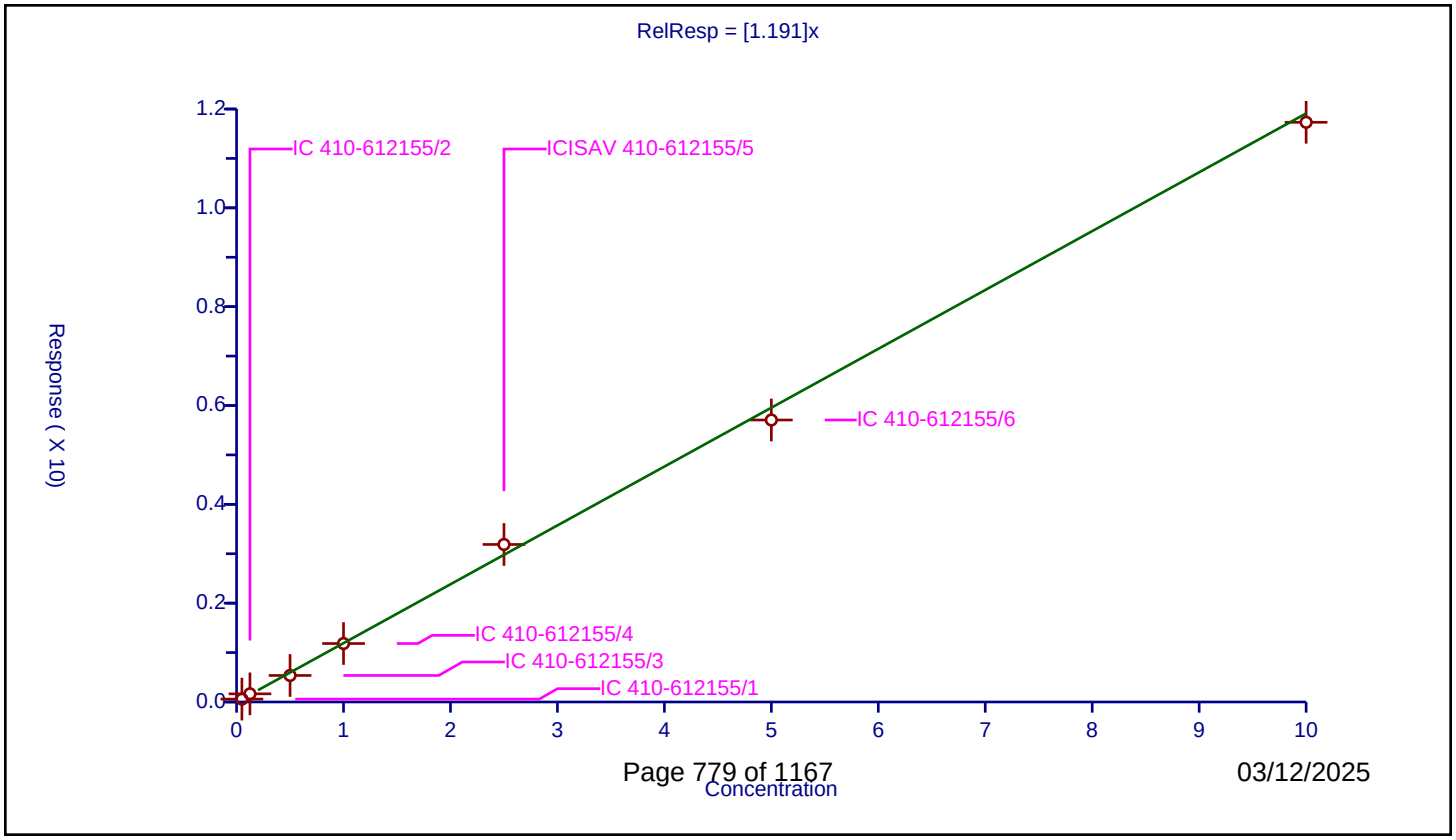
Curve Coefficients

Intercept:	0
Slope:	1.191

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.05	0.058638	5.0	456107.0	1.172751	Y
2	IC 410-612155/2	0.125	0.164809	5.0	470392.0	1.318475	Y
3	IC 410-612155/3	0.5	0.536799	5.0	429062.0	1.073598	Y
4	IC 410-612155/4	1.0	1.183205	5.0	446237.0	1.183205	Y
5	ICISAV 410-612155/5	2.5	3.18773	5.0	424487.0	1.275092	Y
6	IC 410-612155/6	5.0	5.706613	5.0	449553.0	1.141323	Y
7	IC 410-612155/7	10.0	11.731451	5.0	425129.0	1.173145	Y



Calibration / Perfluorodecanoic acid

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

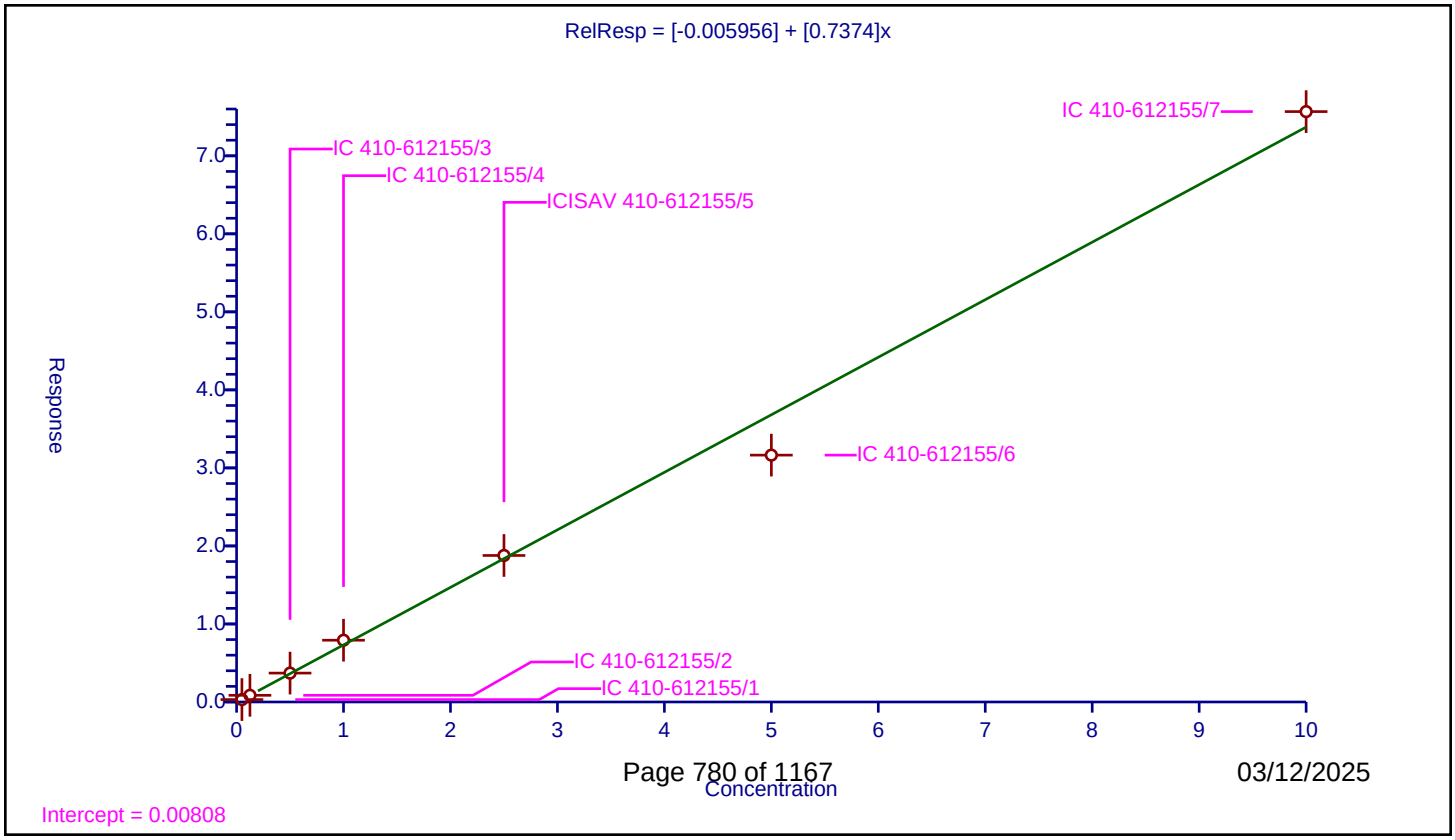
Curve Coefficients

Intercept:	-0.005956
Slope:	0.7374

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.05	0.030844	2.0	659253.0	0.61688	Y
2	IC 410-612155/2	0.125	0.085446	2.0	650562.0	0.683569	Y
3	IC 410-612155/3	0.5	0.370151	2.0	672272.0	0.740302	Y
4	IC 410-612155/4	1.0	0.791712	2.0	680103.0	0.791712	Y
5	ICISAV 410-612155/5	2.5	1.877822	2.0	641099.0	0.751129	Y
6	IC 410-612155/6	5.0	3.163874	2.0	686564.0	0.632775	Y
7	IC 410-612155/7	10.0	7.566835	2.0	640102.0	0.756683	Y



Calibration / N-ethylperfluorooctanesulfonamidoacetic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

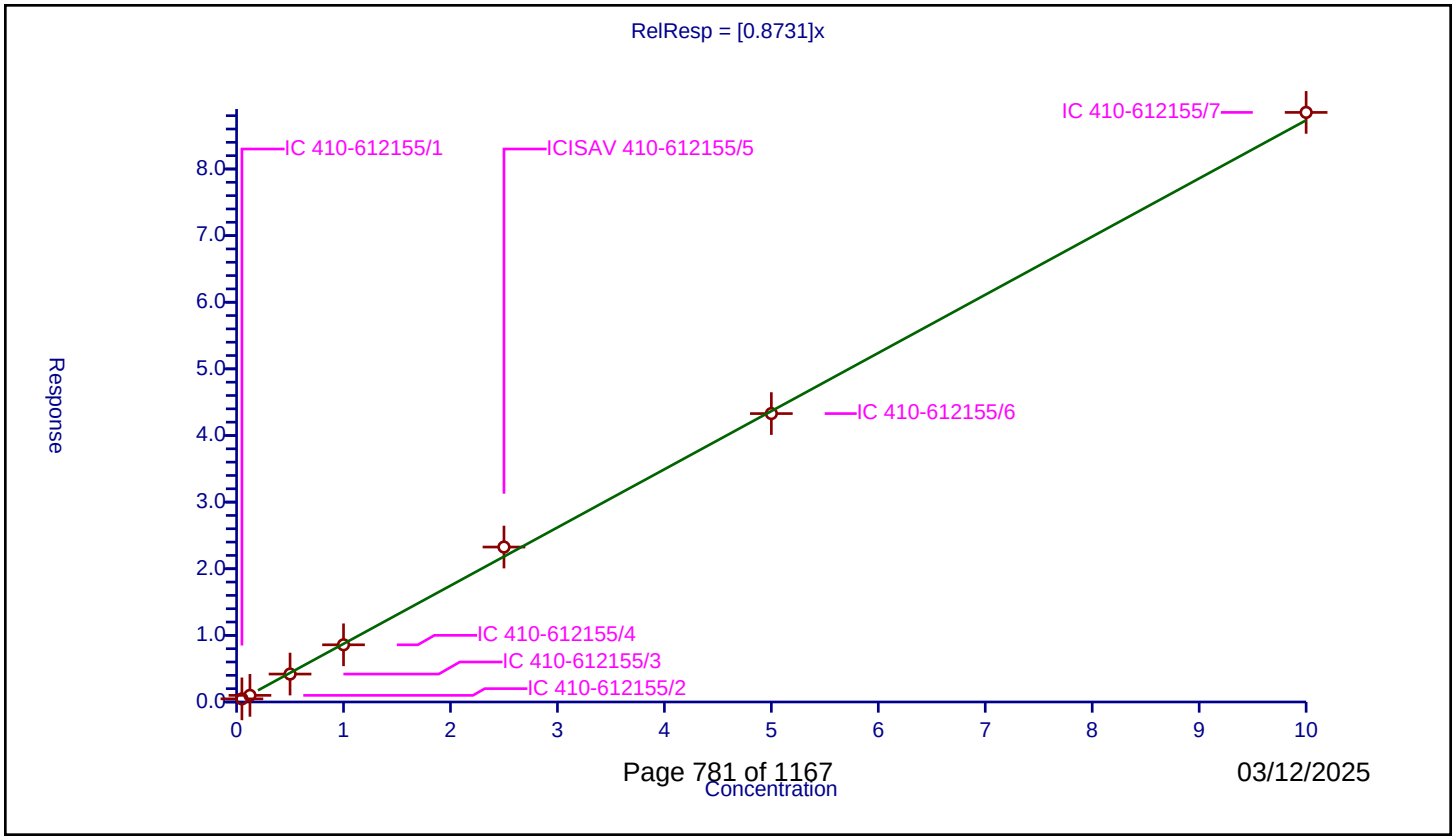
Curve Coefficients

Intercept:	0
Slope:	0.8731

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.05	0.046852	5.0	418339.0	0.937039	Y
2	IC 410-612155/2	0.125	0.09961	5.0	398202.0	0.796882	Y
3	IC 410-612155/3	0.5	0.419276	5.0	385569.0	0.838553	Y
4	IC 410-612155/4	1.0	0.858433	5.0	384328.0	0.858433	Y
5	ICISAV 410-612155/5	2.5	2.325593	5.0	374554.0	0.930237	Y
6	IC 410-612155/6	5.0	4.328851	5.0	399017.0	0.86577	Y
7	IC 410-612155/7	10.0	8.849159	5.0	379466.0	0.884916	Y



Calibration / Perfluorooctanesulfonic acid

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

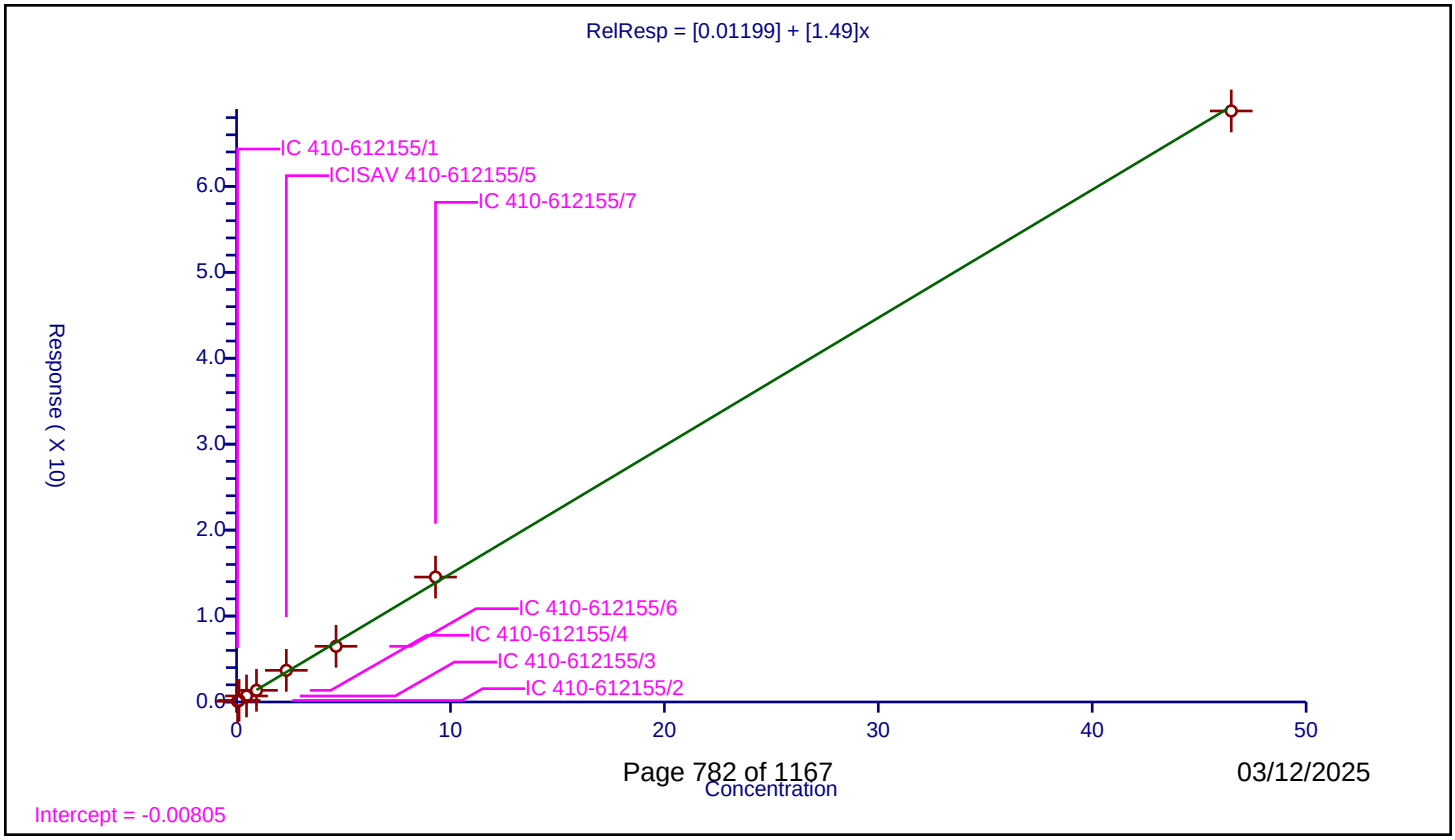
Curve Coefficients

Intercept:	0.01199
Slope:	1.49

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.0465	0.081388	1.912	624806.0	1.750274	Y
2	IC 410-612155/2	0.11625	0.184976	1.912	608208.0	1.591193	Y
3	IC 410-612155/3	0.465	0.700413	1.912	591262.0	1.506265	Y
4	IC 410-612155/4	0.93	1.358784	1.912	595782.0	1.461058	Y
5	ICISAV 410-612155/5	2.325	3.680688	1.912	594484.0	1.583092	Y
6	IC 410-612155/6	4.65	6.481416	1.912	636364.0	1.393853	Y
7	IC 410-612155/7	9.3	14.536504	1.912	579479.0	1.563065	Y
8	IC 410-612155/8	46.5	68.773357	1.912	409767.0	1.478997	Y



Calibration / Perfluoroundecanoic acid

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

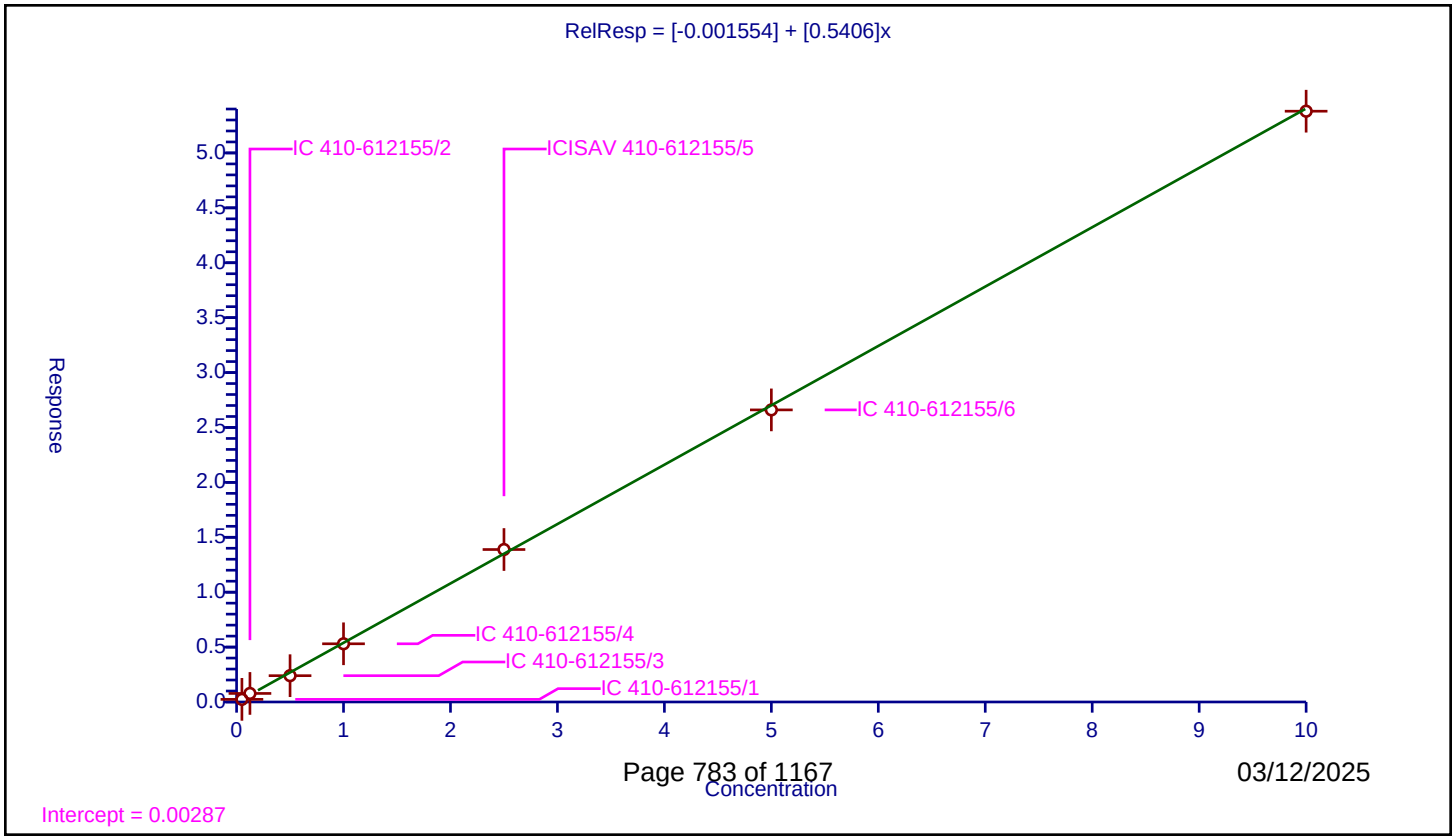
Curve Coefficients

Intercept:	-0.001554
Slope:	0.5406

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.05	0.023891	2.0	540964.0	0.477814	Y
2	IC 410-612155/2	0.125	0.077825	2.0	551545.0	0.6226	Y
3	IC 410-612155/3	0.5	0.239528	2.0	532197.0	0.479056	Y
4	IC 410-612155/4	1.0	0.530014	2.0	502413.0	0.530014	Y
5	ICISAV 410-612155/5	2.5	1.388485	2.0	517816.0	0.555394	Y
6	IC 410-612155/6	5.0	2.659953	2.0	494908.0	0.531991	Y
7	IC 410-612155/7	10.0	5.38004	2.0	533409.0	0.538004	Y



Calibration / 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

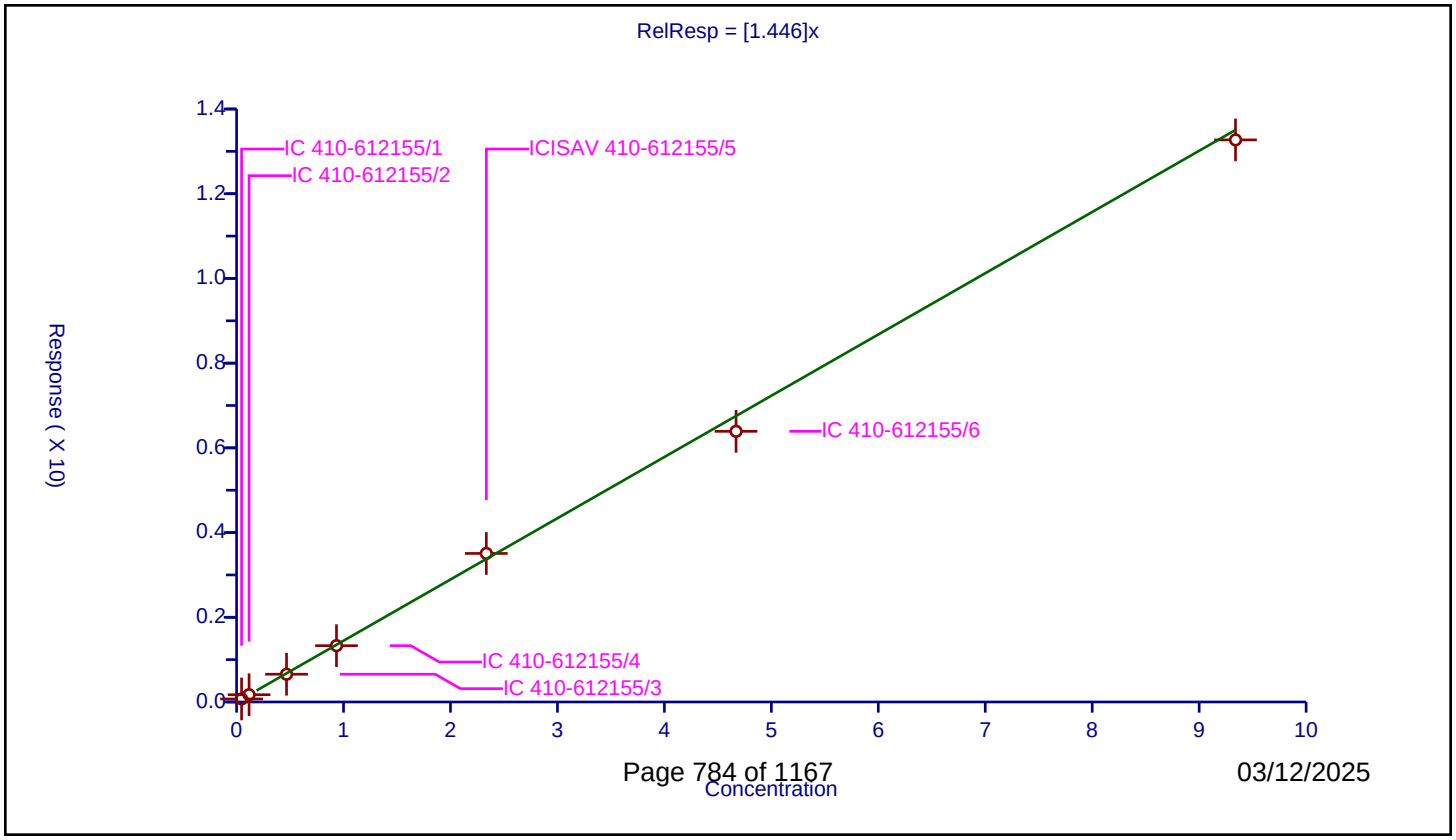
Curve Coefficients

Intercept:	0
Slope:	1.446

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.0467	0.071538	2.0	835947.0	1.531864	Y
2	IC 410-612155/2	0.11675	0.171831	2.0	766845.0	1.471789	Y
3	IC 410-612155/3	0.467	0.6556	2.0	751467.0	1.403855	Y
4	IC 410-612155/4	0.934	1.329496	2.0	759572.0	1.423443	Y
5	ICISAV 410-612155/5	2.335	3.507437	2.0	780209.0	1.502114	Y
6	IC 410-612155/6	4.67	6.389999	2.0	798049.0	1.368308	Y
7	IC 410-612155/7	9.34	13.27103	2.0	785464.0	1.420881	Y



Calibration / Perfluorononanesulfonic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

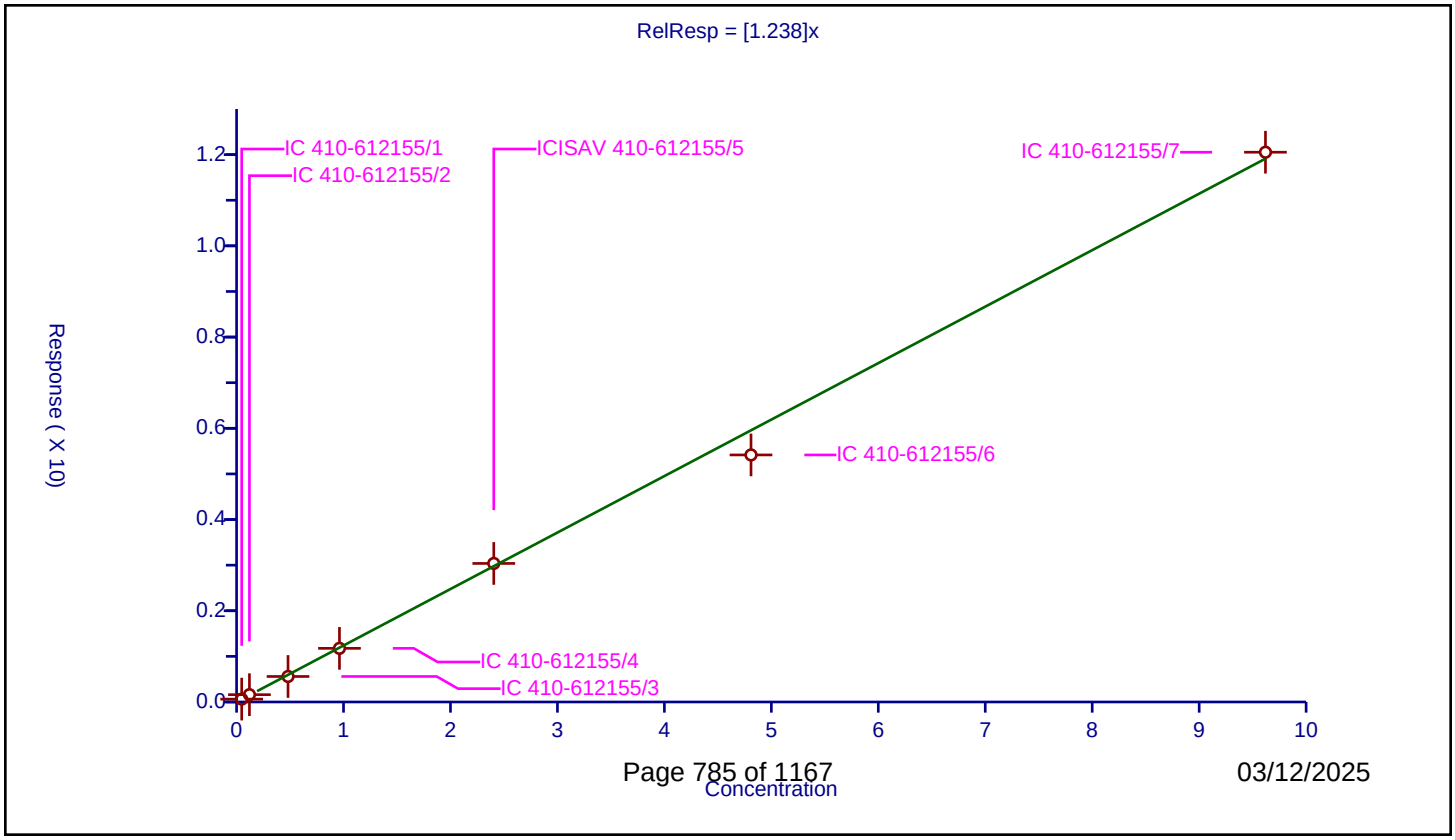
Curve Coefficients

Intercept:	0
Slope:	1.238

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.0481	0.062889	1.912	624806.0	1.307467	Y
2	IC 410-612155/2	0.12025	0.160254	1.912	608208.0	1.332677	Y
3	IC 410-612155/3	0.481	0.559221	1.912	591262.0	1.162621	Y
4	IC 410-612155/4	0.962	1.175999	1.912	595782.0	1.222452	Y
5	ICISAV 410-612155/5	2.405	3.037441	1.912	594484.0	1.262969	Y
6	IC 410-612155/6	4.81	5.41653	1.912	636364.0	1.126098	Y
7	IC 410-612155/7	9.62	12.053061	1.912	579479.0	1.252917	Y



Calibration / Perfluorododecanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

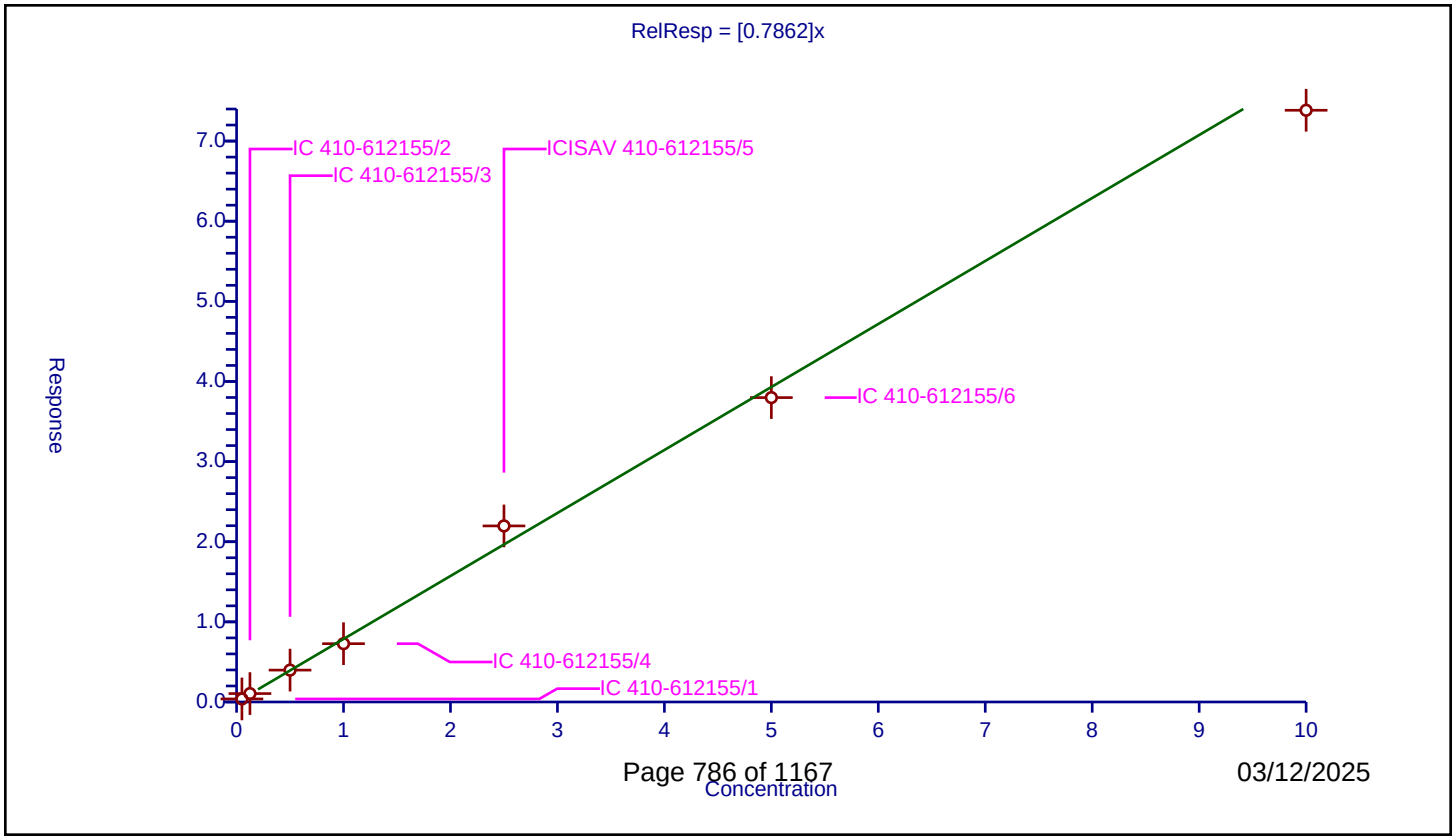
Curve Coefficients

Intercept:	0
Slope:	0.7862

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.05	0.038152	2.0	408995.0	0.763041	Y
2	IC 410-612155/2	0.125	0.104945	2.0	385974.0	0.839559	Y
3	IC 410-612155/3	0.5	0.397896	2.0	373203.0	0.795792	Y
4	IC 410-612155/4	1.0	0.727713	2.0	370852.0	0.727713	Y
5	ICISAV 410-612155/5	2.5	2.197262	2.0	368363.0	0.878905	Y
6	IC 410-612155/6	5.0	3.798732	2.0	376383.0	0.759746	Y
7	IC 410-612155/7	10.0	7.384436	2.0	400956.0	0.738444	Y



Calibration / Perfluorooctanesulfonamide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

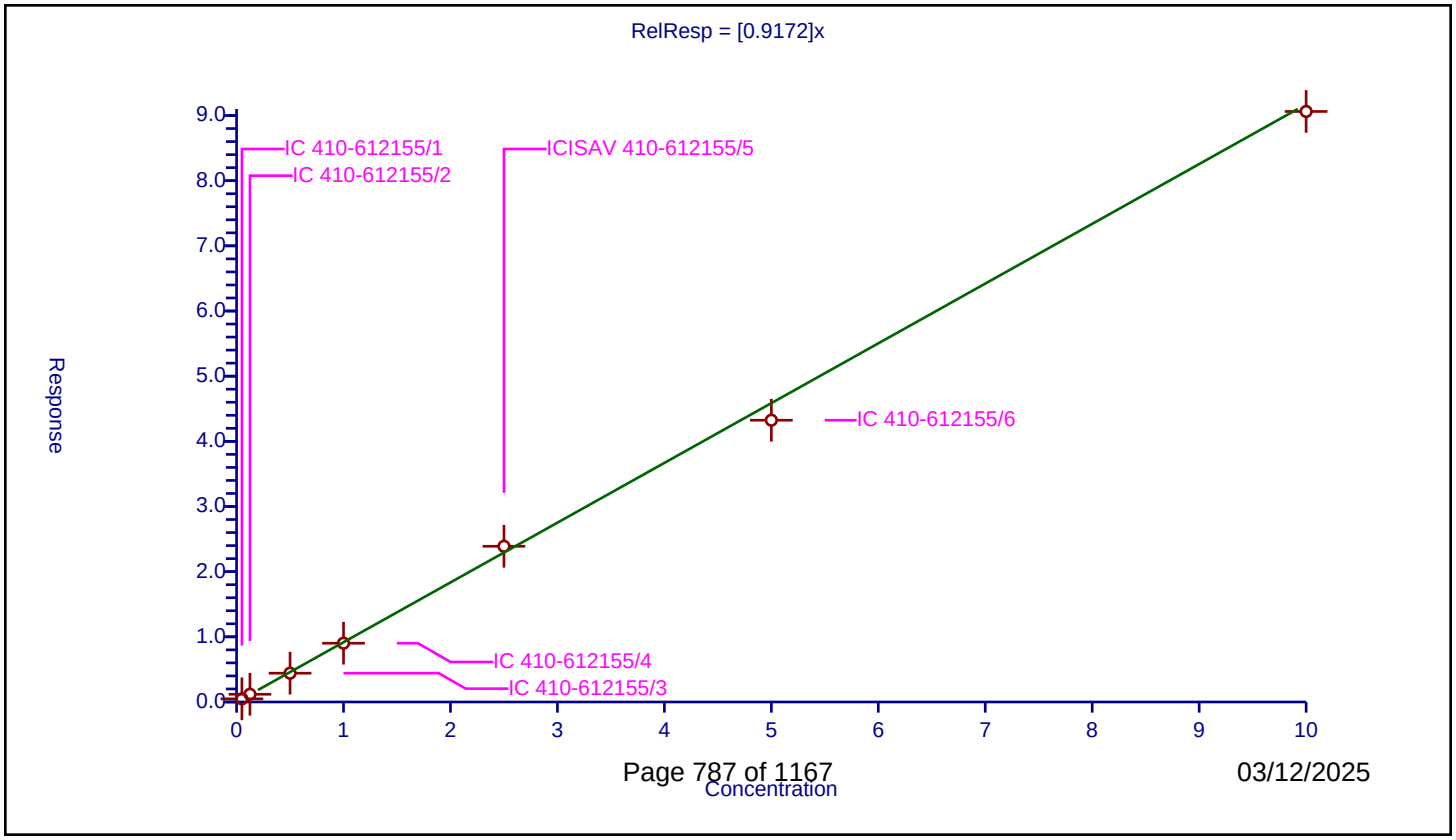
Curve Coefficients

Intercept:	0
Slope:	0.9172

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.05	0.048008	2.0	1095642.0	0.960168	Y
2	IC 410-612155/2	0.125	0.11849	2.0	1034893.0	0.947916	Y
3	IC 410-612155/3	0.5	0.441867	2.0	1037606.0	0.883734	Y
4	IC 410-612155/4	1.0	0.901849	2.0	1027691.0	0.901849	Y
5	ICISAV 410-612155/5	2.5	2.389828	2.0	1018310.0	0.955931	Y
6	IC 410-612155/6	5.0	4.324317	2.0	1057171.0	0.864863	Y
7	IC 410-612155/7	10.0	9.062155	2.0	1052803.0	0.906216	Y



Calibration / Perfluorodecanesulfonic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

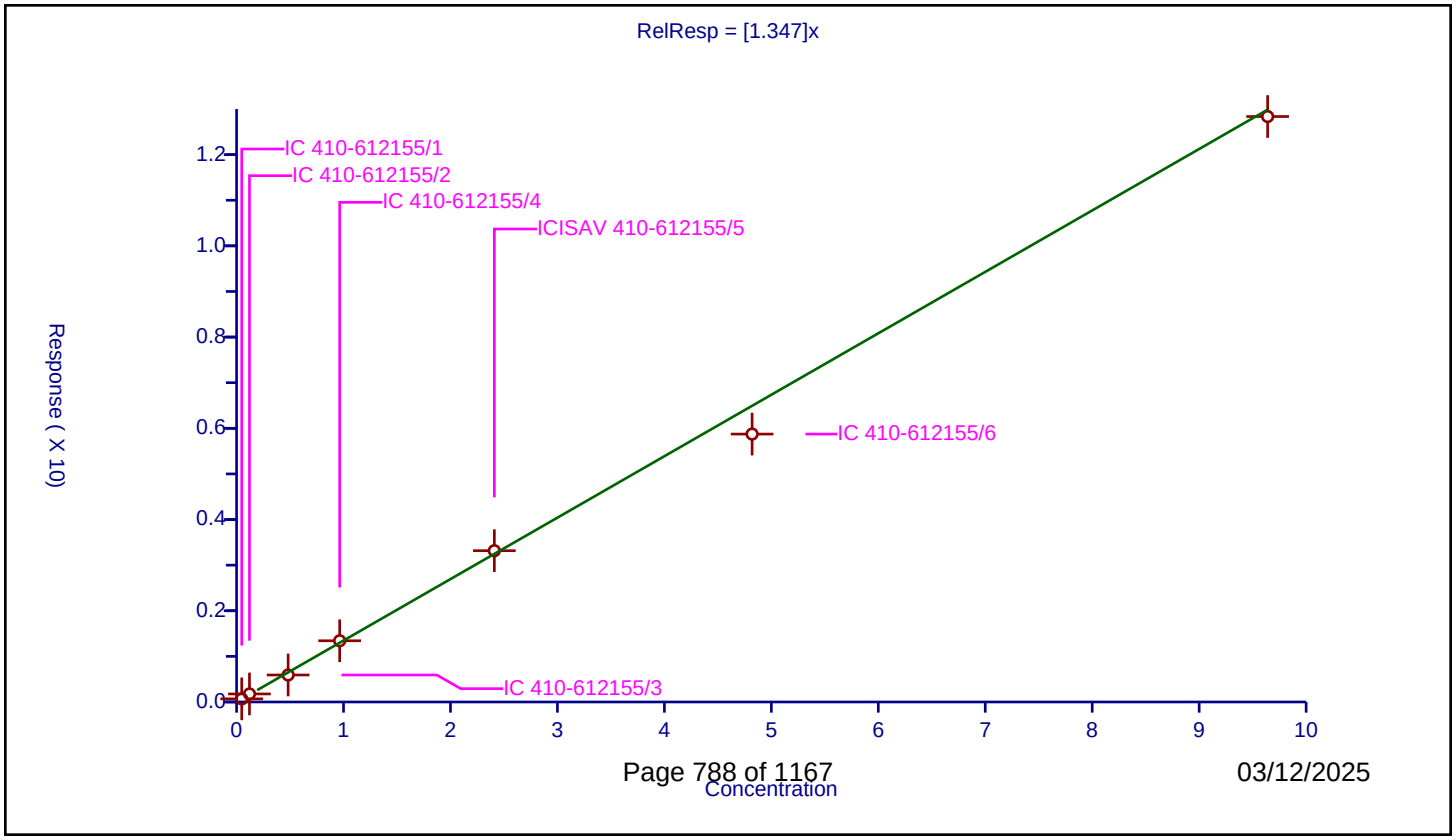
Curve Coefficients

Intercept:	0
Slope:	1.347

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.0482	0.068462	1.912	624806.0	1.420367	Y
2	IC 410-612155/2	0.1205	0.176171	1.912	608208.0	1.461998	Y
3	IC 410-612155/3	0.482	0.592192	1.912	591262.0	1.228614	Y
4	IC 410-612155/4	0.964	1.341919	1.912	595782.0	1.392032	Y
5	ICISAV 410-612155/5	2.41	3.316768	1.912	594484.0	1.376252	Y
6	IC 410-612155/6	4.82	5.873546	1.912	636364.0	1.218578	Y
7	IC 410-612155/7	9.64	12.835182	1.912	579479.0	1.33145	Y



Calibration / Perfluorotridecanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

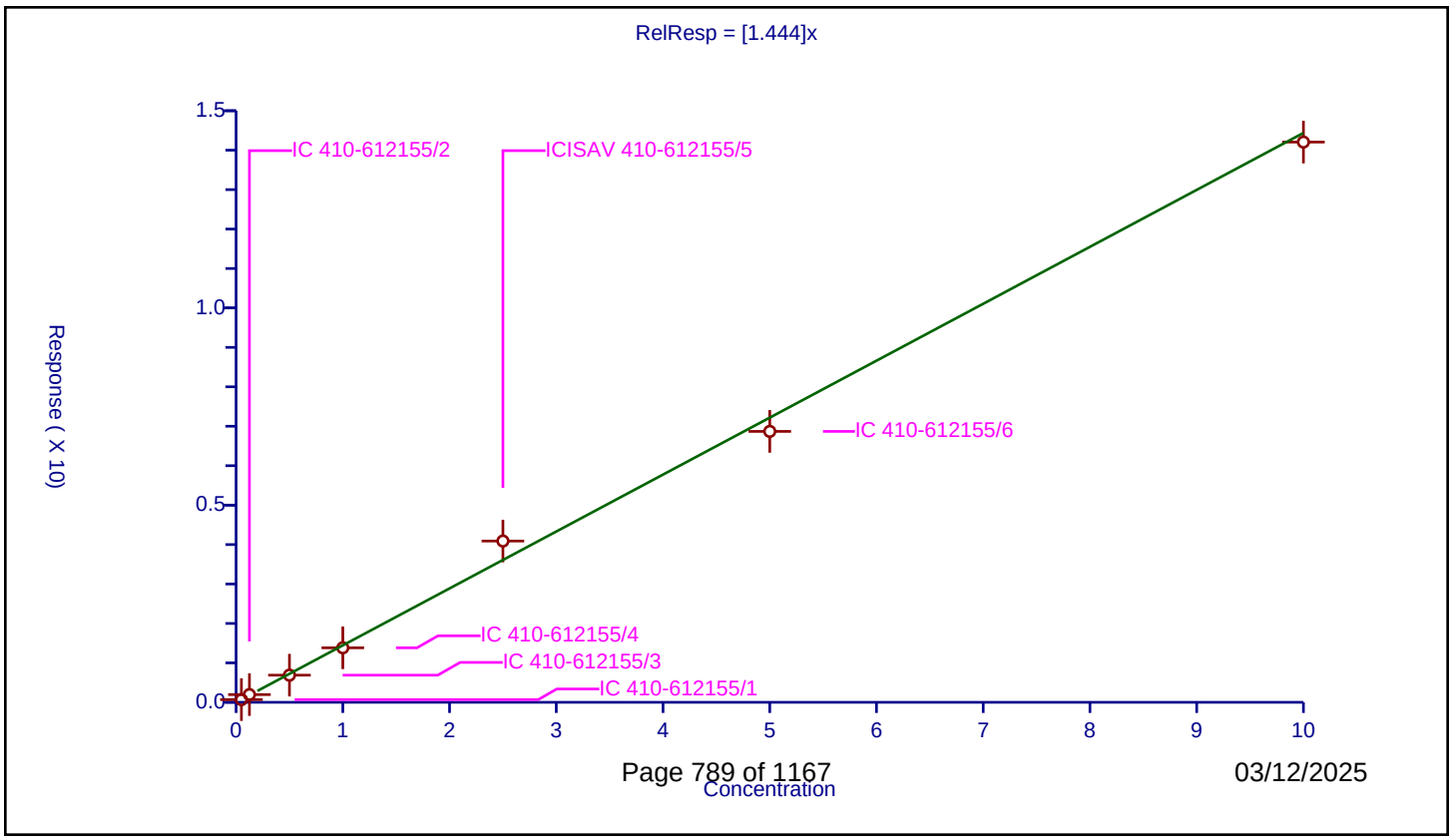
Curve Coefficients

Intercept:	0
Slope:	1.444

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.05	0.067629	2.0	364312.0	1.352577	Y
2	IC 410-612155/2	0.125	0.195567	2.0	350703.0	1.564538	Y
3	IC 410-612155/3	0.5	0.688164	2.0	346153.0	1.376328	Y
4	IC 410-612155/4	1.0	1.381955	2.0	332921.0	1.381955	Y
5	ICISAV 410-612155/5	2.5	4.089235	2.0	320817.0	1.635694	Y
6	IC 410-612155/6	5.0	6.869617	2.0	348963.0	1.373923	Y
7	IC 410-612155/7	10.0	14.206302	2.0	335353.0	1.42063	Y



Calibration / 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

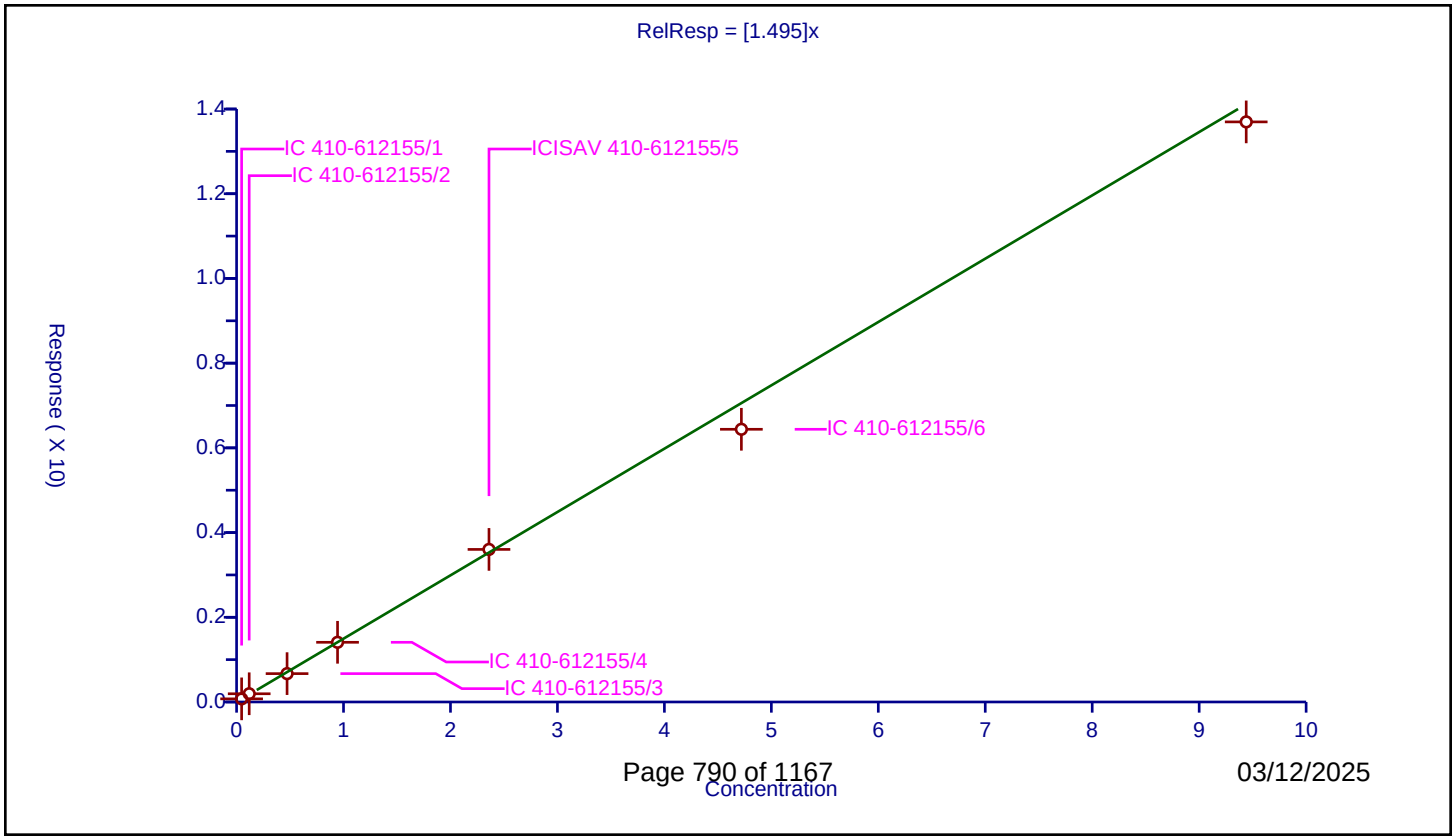
Curve Coefficients

Intercept:	0
Slope:	1.495

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.0472	0.074048	2.0	835947.0	1.568808	Y
2	IC 410-612155/2	0.118	0.194047	2.0	766845.0	1.644466	Y
3	IC 410-612155/3	0.472	0.669544	2.0	751467.0	1.418525	Y
4	IC 410-612155/4	0.944	1.409257	2.0	759572.0	1.492857	Y
5	ICISAV 410-612155/5	2.36	3.602309	2.0	780209.0	1.526402	Y
6	IC 410-612155/6	4.72	6.438392	2.0	798049.0	1.364066	Y
7	IC 410-612155/7	9.44	13.695838	2.0	785464.0	1.45083	Y



Calibration / Perfluorotetradecanoic acid

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

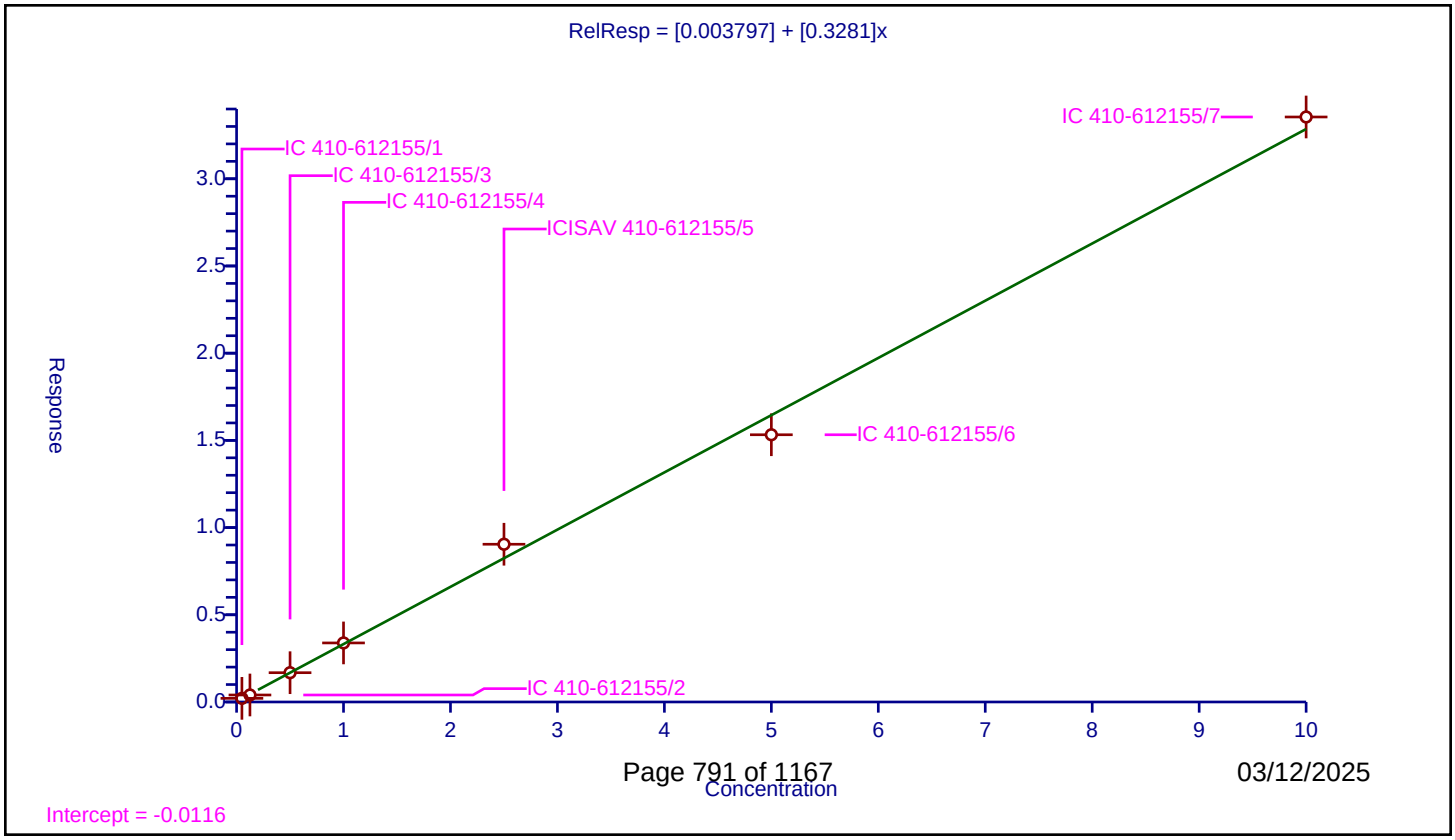
Curve Coefficients

Intercept:	0.003797
Slope:	0.3281

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.05	0.020916	2.0	364312.0	0.418323	Y
2	IC 410-612155/2	0.125	0.040119	2.0	350703.0	0.320955	Y
3	IC 410-612155/3	0.5	0.167903	2.0	346153.0	0.335805	Y
4	IC 410-612155/4	1.0	0.338579	2.0	332921.0	0.338579	Y
5	ICISAV 410-612155/5	2.5	0.904541	2.0	320817.0	0.361816	Y
6	IC 410-612155/6	5.0	1.532369	2.0	348963.0	0.306474	Y
7	IC 410-612155/7	10.0	3.354239	2.0	335353.0	0.335424	Y



Calibration / Perfluorododecanesulfonic acid (PFDoS)

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

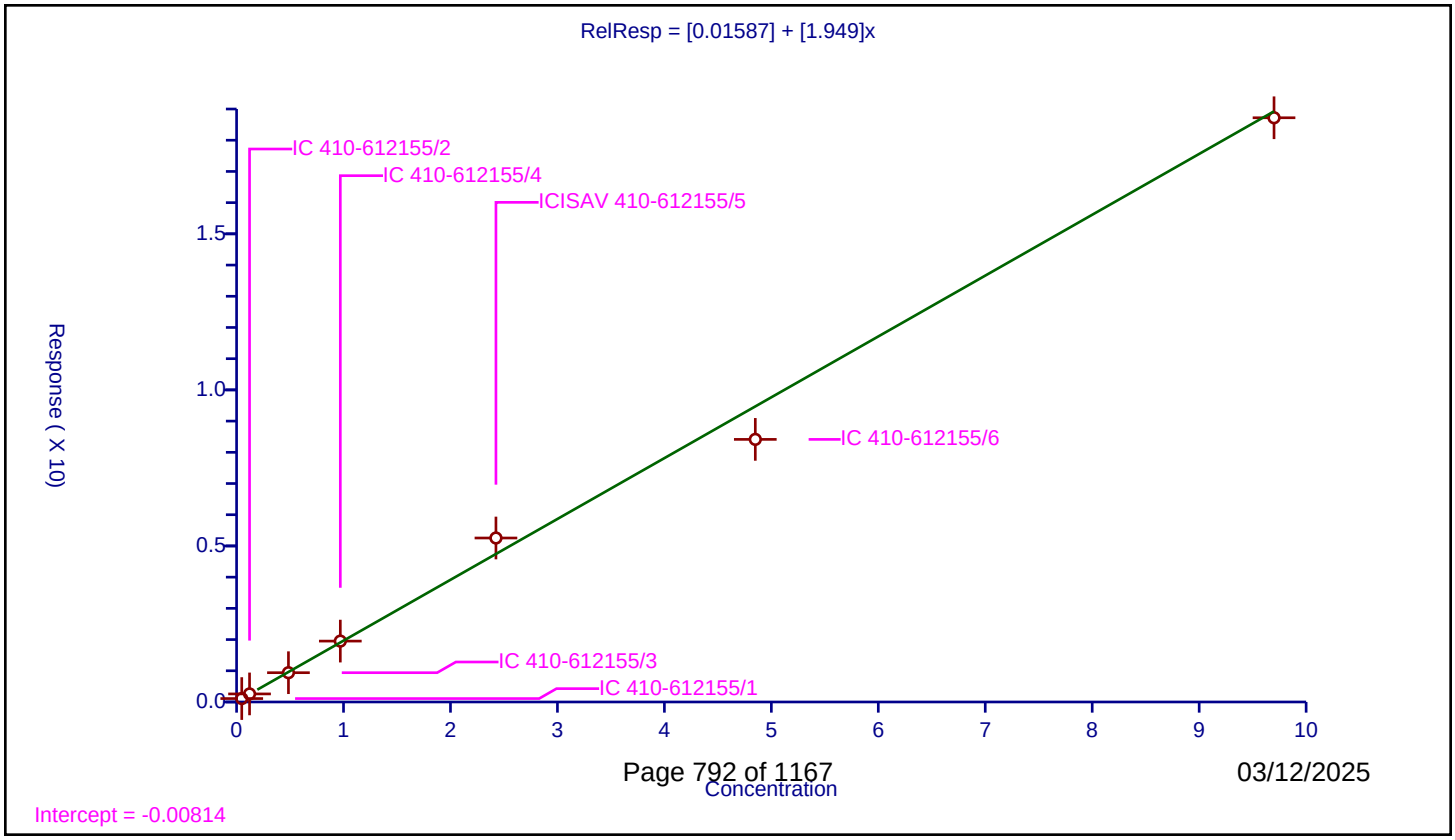
Curve Coefficients

Intercept:	0.01587
Slope:	1.949

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.0485	0.109489	1.912	624806.0	2.257507	Y
2	IC 410-612155/2	0.12125	0.258195	1.912	608208.0	2.129445	Y
3	IC 410-612155/3	0.485	0.938289	1.912	591262.0	1.934616	Y
4	IC 410-612155/4	0.97	1.951149	1.912	595782.0	2.011494	Y
5	ICISAV 410-612155/5	2.425	5.25443	1.912	594484.0	2.166775	Y
6	IC 410-612155/6	4.85	8.413997	1.912	636364.0	1.734845	Y
7	IC 410-612155/7	9.7	18.719445	1.912	579479.0	1.92984	Y



Calibration / 2-(N-methylperfluoro-1-octanesulfonamido) ethanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

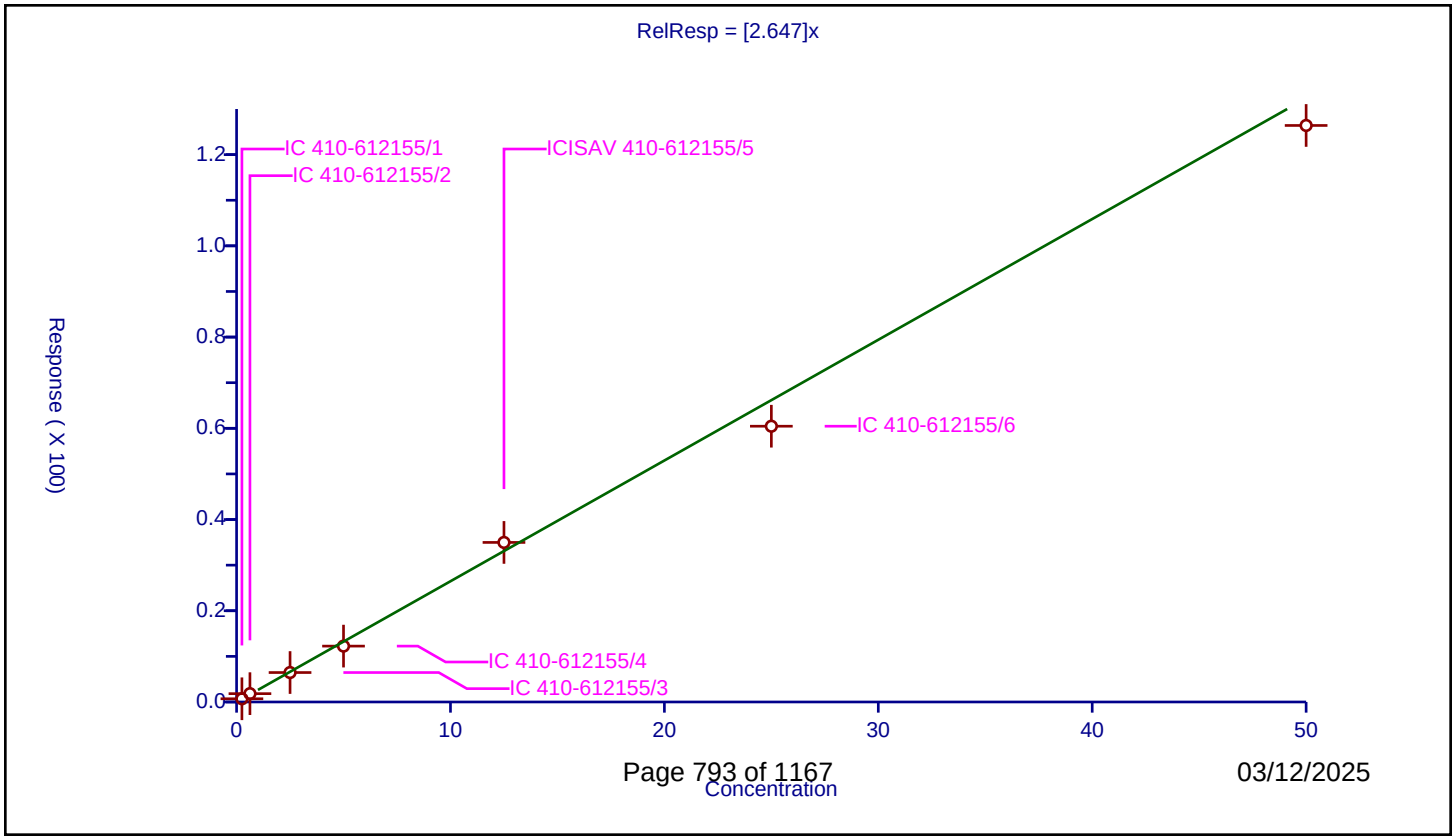
Curve Coefficients

Intercept:	0
Slope:	2.647

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.25	0.707277	5.0	443341.0	2.829109	Y
2	IC 410-612155/2	0.625	1.825651	5.0	432180.0	2.921042	Y
3	IC 410-612155/3	2.5	6.456855	5.0	423714.0	2.582742	Y
4	IC 410-612155/4	5.0	12.252865	5.0	434722.0	2.450573	Y
5	ICISAV 410-612155/5	12.5	34.983437	5.0	426558.0	2.798675	Y
6	IC 410-612155/6	25.0	60.456643	5.0	447702.0	2.418266	Y
7	IC 410-612155/7	50.0	126.393966	5.0	451575.0	2.527879	Y



Calibration / NMeFOSA

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

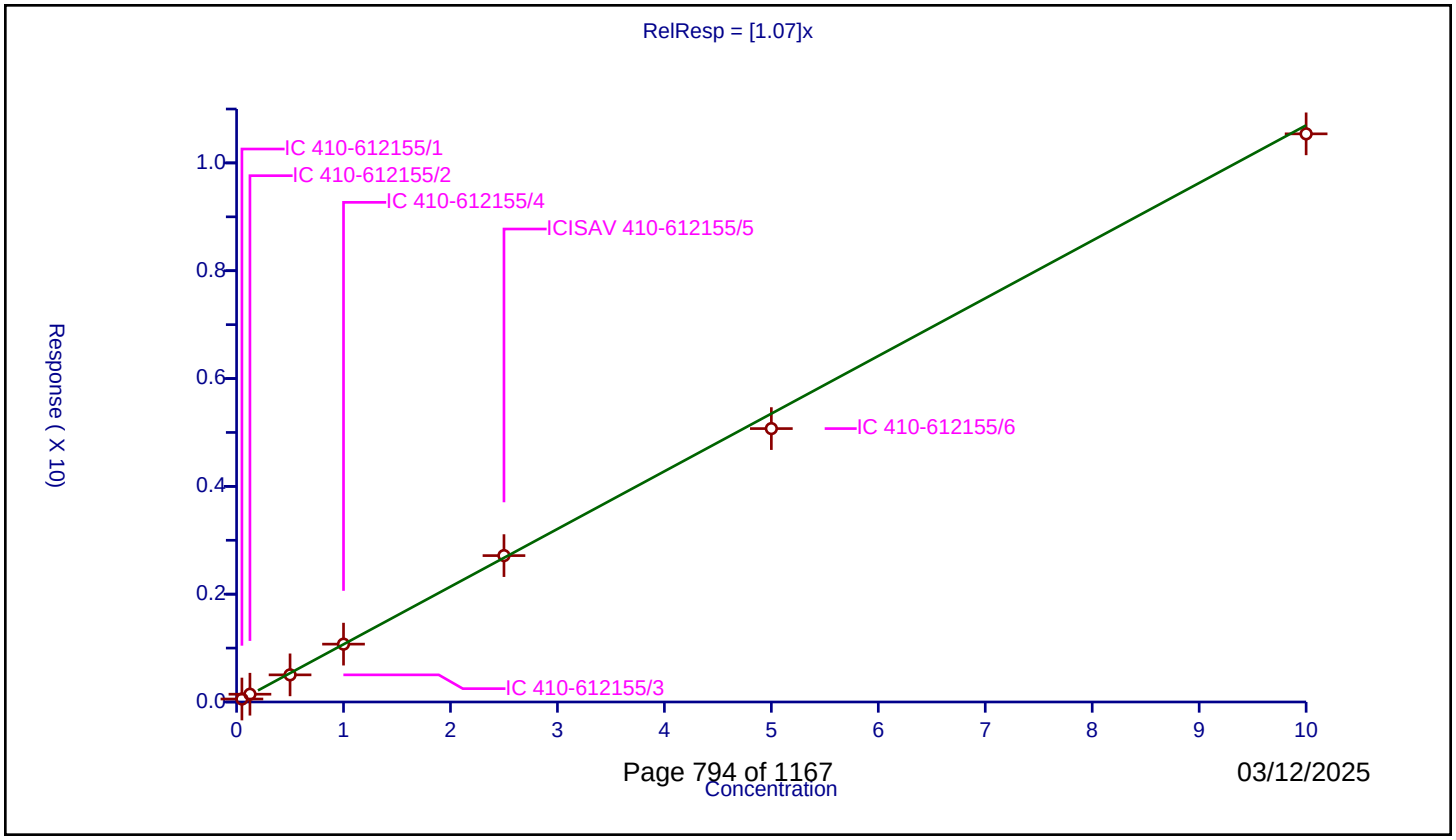
Curve Coefficients

Intercept:	0
Slope:	1.07

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.05	0.055109	2.0	330651.0	1.102189	Y
2	IC 410-612155/2	0.125	0.144015	2.0	319591.0	1.152123	Y
3	IC 410-612155/3	0.5	0.503184	2.0	317331.0	1.006369	Y
4	IC 410-612155/4	1.0	1.073079	2.0	310704.0	1.073079	Y
5	ICISAV 410-612155/5	2.5	2.715753	2.0	334132.0	1.086301	Y
6	IC 410-612155/6	5.0	5.071625	2.0	323251.0	1.014325	Y
7	IC 410-612155/7	10.0	10.539573	2.0	322922.0	1.053957	Y



Calibration / 2-(N-ethylperfluoro-1-octanesulfonamido) ethanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

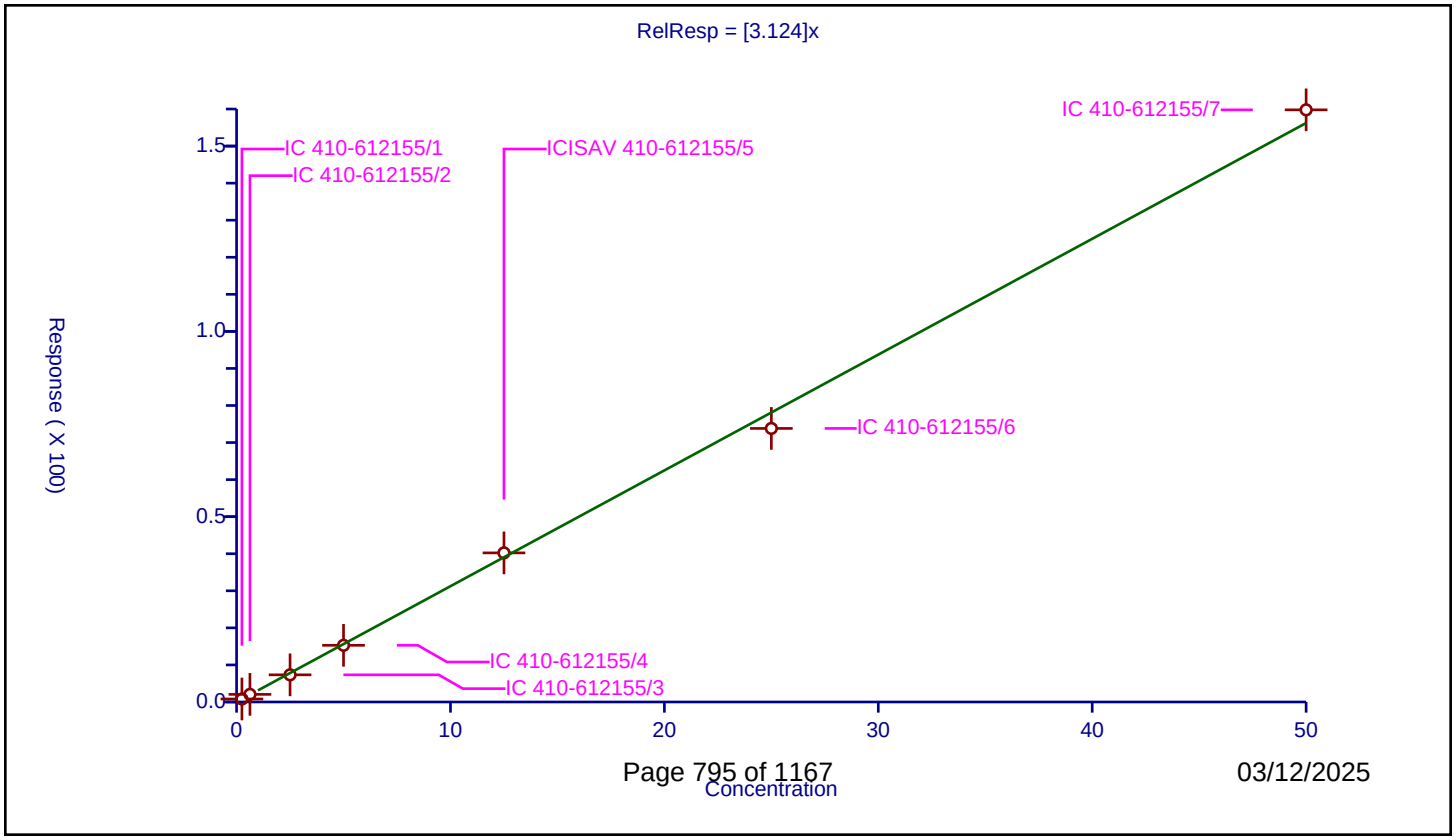
Curve Coefficients

Intercept:	0
Slope:	3.124

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.25	0.807884	5.0	548049.0	3.231536	Y
2	IC 410-612155/2	0.625	2.051708	5.0	544717.0	3.282732	Y
3	IC 410-612155/3	2.5	7.327769	5.0	528985.0	2.931108	Y
4	IC 410-612155/4	5.0	15.291883	5.0	517177.0	3.058377	Y
5	ICISAV 410-612155/5	12.5	40.235884	5.0	531703.0	3.218871	Y
6	IC 410-612155/6	25.0	73.813718	5.0	544609.0	2.952549	Y
7	IC 410-612155/7	50.0	159.776184	5.0	520405.0	3.195524	Y



Calibration / N-ethylperfluoro-1-octanesulfonamide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

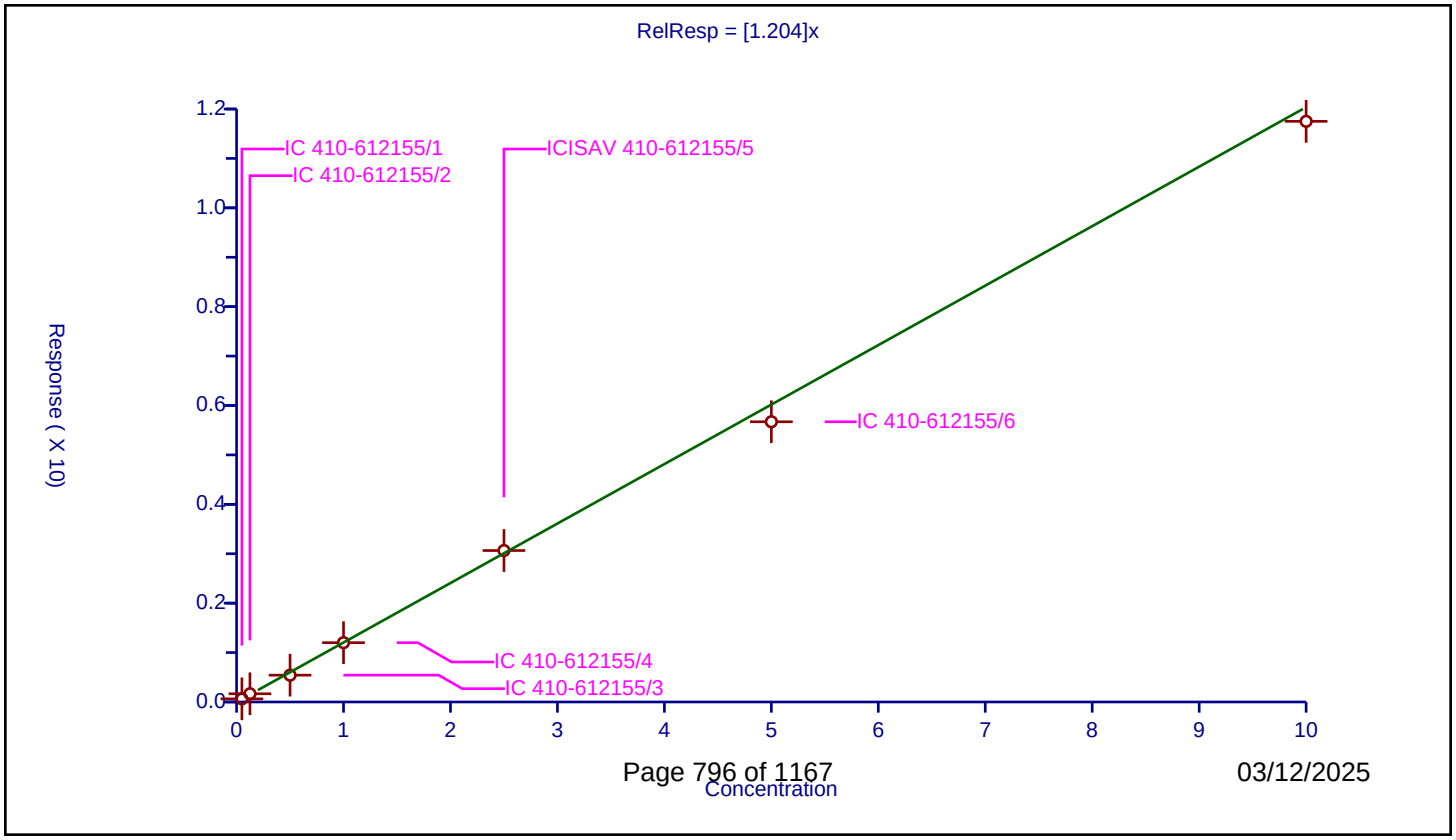
Curve Coefficients

Intercept:	0
Slope:	1.204

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.05	0.063629	2.0	383568.0	1.272577	Y
2	IC 410-612155/2	0.125	0.166462	2.0	349666.0	1.331694	Y
3	IC 410-612155/3	0.5	0.542681	2.0	353659.0	1.085362	Y
4	IC 410-612155/4	1.0	1.200565	2.0	347738.0	1.200565	Y
5	ICISAV 410-612155/5	2.5	3.065191	2.0	355863.0	1.226076	Y
6	IC 410-612155/6	5.0	5.671135	2.0	360464.0	1.134227	Y
7	IC 410-612155/7	10.0	11.750659	2.0	357968.0	1.175066	Y



Calibration / Perfluorooctadecanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

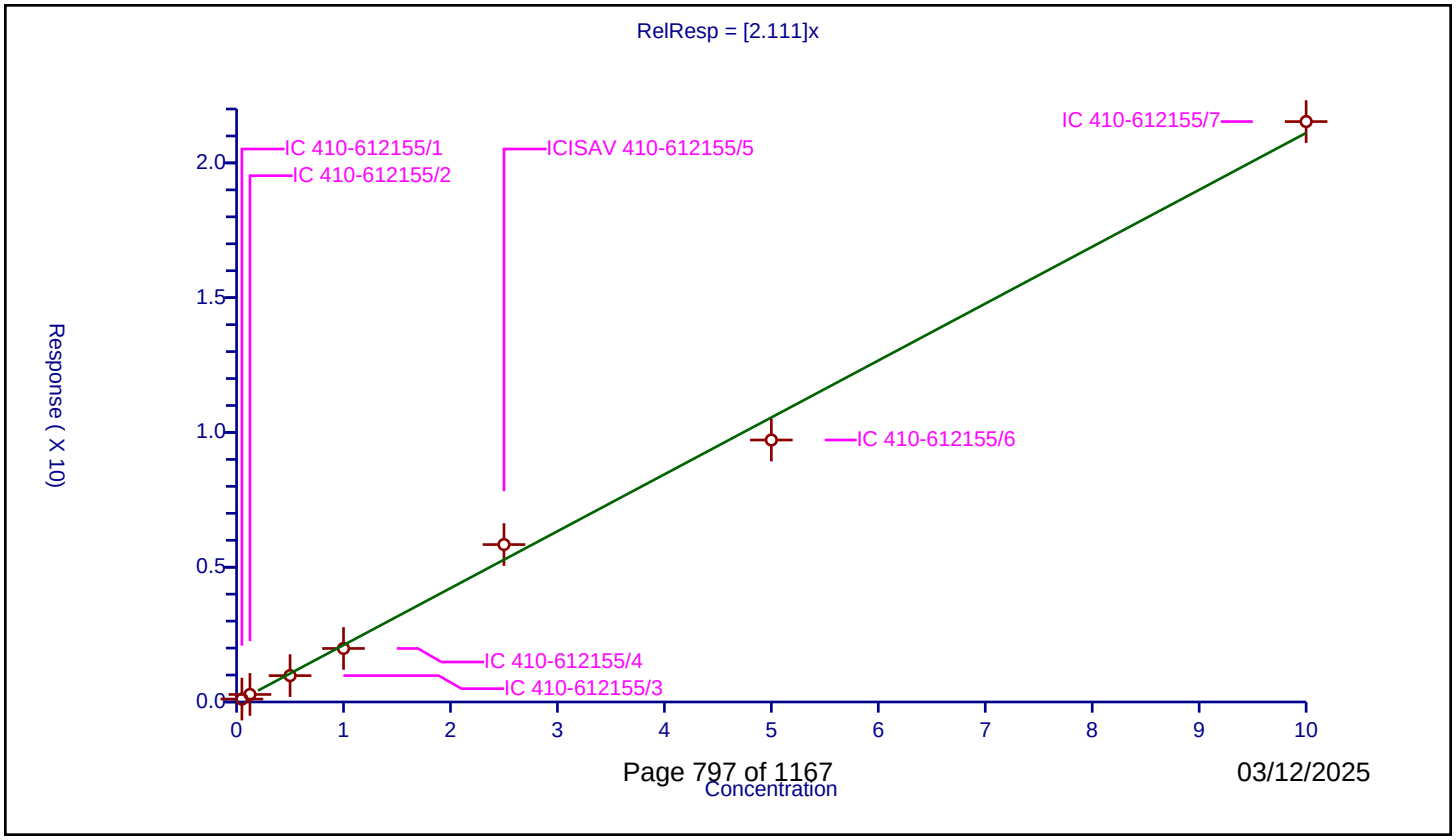
Curve Coefficients

Intercept:	0
Slope:	2.111

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-612155/1	0.05	0.108462	2.0	364312.0	2.16924	Y
2	IC 410-612155/2	0.125	0.279319	2.0	350703.0	2.234552	Y
3	IC 410-612155/3	0.5	0.977597	2.0	346153.0	1.955193	Y
4	IC 410-612155/4	1.0	1.986165	2.0	332921.0	1.986165	Y
5	ICISAV 410-612155/5	2.5	5.840763	2.0	320817.0	2.336305	Y
6	IC 410-612155/6	5.0	9.720222	2.0	348963.0	1.944044	Y
7	IC 410-612155/7	10.0	21.534109	2.0	335353.0	2.153411	Y



FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: ICV 410-610933/10 Calibration Date: 02/27/2025 17:17

Instrument ID: 29347 Calib Start Date: 02/27/2025 15:11

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 02/27/2025 16:49

Lab File ID: 25FEB27ICAL-10.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoropropionic acid (PFPrA)	AveID	1.049	1.047		6.24	6.25	-0.2	30.0
Perfluorobutanoic acid	AveID	0.9716	0.9299		2.39	2.50	-4.3	30.0
3:3 FTCA	L2ID		0.1303		2.52	2.50	1.0	30.0
Perfluoro-3-methoxypropanoic acid	AveID	2.079	2.076		1.25	1.25	-0.1	30.0
Perfluoropentanoic acid	L2ID		1.607		1.25	1.25	-0.0	30.0
Perfluoro(4-methoxybutanoic acid)	AveID	1.789	1.865		1.30	1.25	4.3	30.0
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	AveID	3.390	2.969		2.04	2.34	-12.4	30.0
Perfluoro-3,6-dioxaheptanoic acid	AveID	0.2548	0.2417		1.19	1.25	-5.1	30.0
Perfluorohexanoic acid	L2ID		0.9390		1.23	1.25	-1.3	30.0
5:3 FTCA	AveID	0.1339	0.1257		5.87	6.25	-6.1	30.0
Perfluorobutanesulfonic acid	AveID	1.092	1.081		1.10	1.11	-1.0	30.0
HFPO-DA	AveID	1.147	1.146		0.937	0.938	-0.0	30.0
PFEESA	AveID	4.386	4.171		1.06	1.11	-4.9	30.0
Perfluoroheptanoic acid	L2ID		1.035		1.26	1.25	1.0	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	3.320	3.365		1.20	1.18	1.4	30.0
Perfluoropentanesulfonic acid	AveID	1.044	1.008		1.13	1.18	-3.5	30.0
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	AveID	4.697	4.406		2.22	2.37	-6.2	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	1.434	1.170		1.02	1.25	-18.4	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	3.662	3.101		1.04	1.22	-15.3	30.0
Perfluorooctanoic acid	L2ID		0.8881		1.21	1.25	-3.1	30.0
7:3 FTCA	L2ID		0.1091		6.35	6.25	1.6	30.0
Perfluorohexanesulfonic acid	L2ID		1.027		1.11	1.14	-2.4	30.0
Perfluorononanoic acid	L2ID		0.8510		1.23	1.25	-1.3	30.0
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	AveID	4.323	4.518		2.50	2.40	4.5	30.0
Perfluoro-4-ethylcyclohexane sulfonic acid (PFECHS)	AveID	0.2884	0.2976		1.19	1.16	3.2	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	1.037	1.046		1.26	1.25	0.8	30.0
Perfluoroheptanesulfonic acid	AveID	1.106	1.197		1.29	1.19	8.2	30.0
NMeFOSAA	L2ID		1.052		1.25	1.25	0.0	30.0
Perfluorodecanoic acid	AveID	1.053	1.117		1.33	1.25	6.2	30.0
NEtFOSAA	L2ID		0.7601		1.14	1.25	-8.6	30.0
Perfluorooctanesulfonic acid	L2ID		1.213		1.23	1.16	5.6	30.0
Perfluoroundecanoic acid	AveID	0.8864	0.8903		1.26	1.25	0.4	30.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	AveID	4.287	4.656		1.27	1.17	8.6	30.0
Perfluorononanesulfonic acid	AveID	0.8930	0.9186		1.24	1.20	2.9	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: ICV 410-610933/10 Calibration Date: 02/27/2025 17:17

Instrument ID: 29347 Calib Start Date: 02/27/2025 15:11

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 02/27/2025 16:49

Lab File ID: 25FEB27ICAL-10.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorododecanoic acid	AveID	1.065	1.075		1.26	1.25	0.9	30.0
Perfluorooctanesulfonamide	AveID	1.092	1.121		1.28	1.25	2.7	30.0
Perfluorodecanesulfonic acid	AveID	0.9899	1.010		1.23	1.21	2.0	30.0
Perfluorotridecanoic acid	AveID	1.455	1.385		1.19	1.25	-4.8	30.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	L2ID		4.345		1.24	1.18	5.1	30.0
Perfluorotetradecanoic acid	L2ID		0.2717		1.27	1.25	1.5	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	1.142	1.164		1.24	1.21	1.9	30.0
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	AveID	1.158	1.133		6.12	6.25	-2.1	30.0
NMeFOSA	L2ID		1.133		1.27	1.25	1.9	30.0
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	AveID	1.173	1.146		6.11	6.25	-2.3	30.0
N-ethylperfluoro-1-octanesulfonamide	AveID	1.209	1.216		1.26	1.25	0.6	30.0
Perfluoro-n-octadecanoic acid (PFODA)	L2ID		2.992		1.34	1.25	7.6	30.0
13C3 PFPrA	Ave	0.4881	0.5637		2.31	2.00	15.5	30.0
13C4 PFBA	Ave	1.146	1.110		1.94	2.00	-3.2	30.0
13C5 PFPeA	Ave	0.5164	0.4899		1.90	2.00	-5.1	30.0
M2-4:2 FTS	Ave	0.0892	0.0924		4.86	4.69	3.6	30.0
13C5 PFHxA	Ave	1.080	1.066		1.97	2.00	-1.3	30.0
13C3 PFBS	Ave	1.083	1.064		1.83	1.86	-1.7	30.0
13C3 HFPO-DA	Ave	0.6952	0.6560		1.89	2.00	-5.6	30.0
13C4 PFHpA	Ave	1.321	1.311		1.99	2.00	-0.7	30.0
M2-6:2 FTS	Ave	0.0619	0.0599		4.61	4.76	-3.2	30.0
13C8 PFOA	Ave	1.014	1.008		1.99	2.00	-0.5	30.0
13C3 PFHxS	Ave	0.9811	0.9609		1.86	1.90	-2.1	30.0
13C9 PFNA	Ave	0.9777	0.9323		1.91	2.00	-4.6	30.0
M2-8:2 FTS	Ave	0.0388	0.0348		4.31	4.80	-10.3	30.0
d3-NMeFOSAA	Ave	0.3643	0.3312		4.55	5.00	-9.1	30.0
13C6 PFDA	Ave	1.025	0.9338		1.82	2.00	-8.9	30.0
d5-NEtFOSAA	Ave	0.3133	0.3041		4.85	5.00	-2.9	30.0
13C8 PFOS	Ave	0.9408	0.8486		1.72	1.91	-9.8	30.0
13C7 PFUnA	Ave	0.7305	0.7164		1.96	2.00	-1.9	30.0
13C2 PFDoA	Ave	0.5895	0.5910		2.01	2.00	0.3	30.0
13C8 FOSA	Ave	0.9033	0.8941		1.98	2.00	-1.0	30.0
13C2 PFTeDA	Ave	0.6229	0.6302		2.02	2.00	1.2	30.0
d7-N-MeFOSE-M	Ave	0.1022	0.0985		4.82	5.00	-3.6	30.0
d3-NMePFOSA	Ave	0.1993	0.1893		1.90	2.00	-5.0	30.0
d9-N-EtFOSE-M	Ave	0.1278	0.1202		4.70	5.00	-5.9	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: ICV 410-610933/10 Calibration Date: 02/27/2025 17:17

Instrument ID: 29347 Calib Start Date: 02/27/2025 15:11

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 02/27/2025 16:49

Lab File ID: 25FEB27ICAL-10.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d5-NEtPFOSA	Ave	0.2230	0.2113		1.90	2.00	-5.2	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-10.d
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 27-Feb-2025 17:17:45 ALS Bottle#: 1 Worklist Smp#: 10
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: Plate: 12 Rack: 1 410-0139404-010
Operator ID: US19_USR_INS00012E Instrument ID: 29347
Sublist:

Method: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\29347_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 27-Feb-2025 19:07:41 Calib Date: 27-Feb-2025 16:49:35
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1602

First Level Reviewer: LDU5 Date: 27-Feb-2025 18:57:16
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C3PFPrA										
166.00 > 121.00	1.942	1.832	0.110	0.471	1285706	2.31		115	346	
2 Perfluoropropionic acid										
163.00 > 119.00	1.942	1.832	0.110	1.000	4206831	6.24			46.4	
D 4 13C4-PFBA										
216.80 > 171.90	4.121	4.147	-0.026	1.000	2531126	1.94		96.8	79752	
3 PFBA										
212.80 > 168.90	4.121	4.147	-0.026	1.000	2942011	2.39			9051	
* 5 13C3PFBA										
216.00 > 172.00	4.121	4.153	-0.032		2280875	2.00			837	
7 PFMPA										
229.00 > 84.90	4.374	4.399	-0.025	0.923	1310594	1.25			43350	
6 3:3 FTCA										
241.00 > 177.00	4.374	4.399	-0.025	0.923	164480	2.52	Target=1.13		13732	
241.00 > 117.00	4.374	4.399	-0.025	0.923	136155		1.21(0.56-1.69)		2660	
8 PFPA										
263.00 > 219.00	4.740	4.762	-0.022	1.000	1014403	1.25			15453	
D 9 13C5 PFPeA										
268.30 > 223.00	4.740	4.762	-0.022	0.893	1010001	1.90		94.9	50360	
10 PFMBA										
279.00 > 85.10	4.918	4.941	-0.023	1.038	1177056	1.30			46712	
11 4:2FTS										
327.10 > 307.00	5.085	5.100	-0.015	1.000	950032	2.04	Target=1.58		74745	
327.10 > 80.90	5.085	5.100	-0.015	1.000	625864		1.52(0.79-2.37)		12334	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.085	5.107	-0.022	0.777	642741	4.86		104	30958	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.250	5.269	-0.019	0.990	331959	1.19	Target=19.85		18454	
295.00 > 84.90	5.250	5.269	-0.019	0.990	20287		16.36(9.92-29.77)		1494	
16 PFHxA										
313.00 > 269.00	5.306	5.324	-0.018	1.000	1289608	1.23	Target=13.05		23360	
313.00 > 118.90	5.296	5.324	-0.028	0.998	103827		12.42(6.53-19.58)		7523	
* 15 13C2 PFHxA										
315.10 > 270.00	5.306	5.324	-0.018		5153925	5.00			160024	
D 17 13C5 PFHxA										
318.00 > 273.00	5.306	5.324	-0.018	1.000	2197318	1.97		98.7	96006	
18 5:3 FTCA										
341.00 > 237.10	5.403	5.414	-0.011	1.018	863340	5.87	Target=2.86		35004	
341.00 > 217.00	5.403	5.414	-0.011	1.018	310338		2.78(1.43-4.29)		21062	
19 PFBS										
298.70 > 79.90	5.458	5.469	-0.011	1.000	1893491	1.10	Target=3.09		68487	
298.70 > 98.80	5.446	5.469	-0.023	0.998	648057		2.92(1.55-4.64)		29621	
D 20 13C3 PFBS										
302.10 > 79.90	5.458	5.469	-0.011	0.834	2940683	1.83		98.3	132936	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.526	5.538	-0.012	1.042	1352491	1.89		94.4	65362	
21 HFPO-DA										
284.90 > 168.90	5.526	5.538	-0.012	1.000	726420	0.9367	Target=15.31		17455	
284.90 > 184.90	5.515	5.538	-0.023	0.998	45633		15.92(7.65-22.96)		2864	
24 PFEESA										
314.80 > 134.90	5.743	5.754	-0.011	1.082	5098343	1.06	Target=13.22		191965	
314.80 > 82.90	5.743	5.754	-0.011	1.082	381872		13.35(6.61-19.83)		11778	
26 PFHpA										
363.10 > 319.00	5.820	5.831	-0.011	1.000	1749077	1.26	Target=3.46		34492	
363.10 > 169.00	5.820	5.831	-0.011	1.000	559750		3.12(1.73-5.19)		27550	
D 27 13C4 PFHpA										
367.10 > 322.00	5.820	5.831	-0.011	1.097	2703043	1.99		99.3	133333	
28 ADONA										
376.90 > 250.90	6.001	6.011	-0.010	1.086	2690772	1.20	Target=14.06		143524	
376.90 > 84.80	6.001	6.011	-0.010	1.086	184267		14.60(7.03-21.09)		13146	
29 PFPeS										
349.10 > 79.90	6.029	6.039	-0.010	0.921	1686657	1.13	Target=2.97		87080	
349.10 > 98.90	6.029	6.039	-0.010	0.921	600248		2.81(1.48-4.45)		41344	
30 6:2FTS										
427.10 > 407.00	6.058	6.068	-0.010	0.998	927886	2.22	Target=1.46		66998	
427.10 > 80.90	6.058	6.068	-0.010	0.998	655570		1.42(0.73-2.20)		35425	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.067	6.077	-0.010	0.927	422965	4.61		96.8	29936	
33 FBSA										
279.90 > 78.00	6.214	6.223	-0.009	1.139	2306870	1.02			110028	
32 BTS										
280.00 > 147.00	6.223	6.233	-0.010	0.951	5405445	1.04			6851	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
36 PFOA										
413.00 > 369.00	6.291	6.301	-0.010	1.000	1467614	1.21	Target=2.10		80752	
413.00 > 169.00	6.291	6.301	-0.010	1.000	690194		2.13(1.05-3.15)		180347	
D 34 13C8 PFOA										
421.10 > 376.00	6.291	6.301	-0.010	0.998	2644006	1.99		99.5	137947	
* 35 13C4 PFOA										
417.10 > 372.00	6.301	6.310	-0.009		6555313	5.00			638826	
37 7:3 FTCA										
441.00 > 316.90	6.363	6.352	0.011	1.199	749086	6.35	Target=0.46		30129	
441.00 > 336.90	6.363	6.352	0.011	1.199	1548255		0.48(0.23-0.69)		62034	
* 38 18O2 PFHxS										
403.00 > 83.90	6.544	6.545	-0.001		2805125	1.89			144696	
D 39 13C3 PFHxS										
402.10 > 79.90	6.544	6.545	-0.001	1.000	2701060	1.86		97.9	139614	
40 PFHxS										
398.70 > 79.90	6.544	6.545	-0.001	1.000	1668693	1.11	Target=2.96		488283	
398.70 > 98.90	6.535	6.545	-0.010	0.999	561366		2.97(1.48-4.44)		1015	
42 PFNA										
463.00 > 419.00	6.752	6.745	0.008	1.001	1407841	1.23	Target=5.06		214807	
463.00 > 219.00	6.752	6.745	0.008	1.001	286858		4.91(2.53-7.59)		21637	
D 41 13C9 PFNA										
472.10 > 427.00	6.744	6.745	0.0	1.000	2646976	1.91		95.4	203420	
* 43 13C5 PFNA										
468.00 > 423.00	6.744	6.745	0.0		2839153	2.00			218715	
48 FHxSA										
397.90 > 78.00	7.005	6.888	0.117	1.070	1862952	1.26			63259	
44 8:2FTS										
527.10 > 507.00	6.942	6.943	-0.001	1.000	558932	2.50	Target=1.12		40840	
527.10 > 80.80	6.942	6.943	-0.001	1.000	519148		1.08(0.56-1.68)		38324	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.942	6.943	-0.001	1.061	247943	4.31		89.7	18169	
46 PFECHS										
461.00 > 381.00	6.969	6.961	0.008	1.065	489622	1.19	Target=0.23		26137	
461.00 > 99.00	6.969	6.961	0.008	1.065	2145335		0.23(0.11-0.34)		114563	
47 PFHpS										
449.00 > 79.90	7.014	7.007	0.007	0.940	1980903	1.29	Target=3.51		87053	
449.00 > 98.80	7.005	7.007	-0.002	0.939	560396		3.53(1.75-5.26)		40763	
D 50 d3-NMeFOSAA										
573.20 > 419.00	7.119	7.110	0.009	0.954	2708464	4.55		90.9	120100	
49 NMeFOSAA										
570.10 > 419.00	7.119	7.119	0.0	1.000	712610	1.25	Target=2.33		1364	
570.10 > 483.00	7.110	7.119	-0.009	0.999	303355		2.35(1.16-3.49)		570	
51 PFDA										
512.90 > 469.00	7.182	7.172	0.010	1.000	1404194	1.33	Target=6.65		61351	
512.90 > 219.00	7.182	7.172	0.010	1.000	216179		6.50(3.33-9.98)		15805	
D 53 13C6 PFDA										
519.10 > 474.10	7.182	7.182	0.0	1.000	2010753	1.82		91.1	109211	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 52 13C2 PFDA										
515.10 > 470.10	7.182	7.182	0.0		2153264	2.00			117061	
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.299	7.290	0.009	0.978	2487104	4.85		97.1	134913	
55 NEtFOSAA										M
584.20 > 419.10	7.307	7.299	0.009	1.001	472602	1.14	Target=2.61		144800	
584.20 > 526.00	7.307	7.299	0.009	1.001	168441		2.81(1.31-3.92)		49363	M
* 57 13C4 PFOS										
502.80 > 79.90	7.460	7.450	0.010		3127486	1.91			130820	
D 56 13C8 PFOS										
507.10 > 79.90	7.460	7.450	0.010	1.000	2654120	1.72		90.2	14820	
58 PFOS										
498.90 > 79.90	7.470	7.450	0.020	1.001	1957875	1.23	Target=3.87		104065	
498.90 > 98.80	7.460	7.450	0.010	1.000	477046		4.10(1.93-5.80)		1197	
D 60 13C7 PFUnA										
570.00 > 525.10	7.620	7.600	0.020	1.061	1542508	1.96		98.1	80376	
59 PFUnA										
563.10 > 519.00	7.610	7.600	0.010	0.999	858349	1.26	Target=6.45		44696	
563.10 > 269.10	7.610	7.600	0.010	0.999	123770		6.94(3.23-9.68)		6523	
61 9ClFOS										
530.80 > 351.00	7.797	7.780	0.017	1.411	3675661	1.27	Target=3.27		200487	
532.80 > 353.00	7.789	7.780	0.008	1.409	1158761		3.17(1.64-4.91)		85083	
62 PFNS										
548.80 > 79.90	7.887	7.879	0.008	1.057	1533403	1.24	Target=3.46		88268	
548.80 > 98.80	7.887	7.879	0.008	1.057	454994		3.37(1.73-5.19)		26234	
63 PFDoA										
613.10 > 569.00	8.027	8.013	0.014		855122	1.26	Target=8.39		70560	
613.10 > 319.00	8.027	8.013	0.014		96108		8.90(4.19-12.58)		7848	
D 64 PFDoA										
615.10 > 570.00	8.027	8.020	0.007	1.118	1272553	2.01		100	103320	
65 PFOSA										M
498.10 > 77.90	8.160	8.089	0.071	1.000	2049262	1.28	Target=55.40		126791	M
498.10 > 478.00	8.152	8.089	0.063	0.999	36319		56.42(27.70-83.10)		85.0	
D 66 13C8 FOSA										
506.10 > 77.80	8.160	8.089	0.071	1.094	2924908	1.98		99.0	132495	
67 PFDS										
599.00 > 79.90	8.279	8.272	0.007	1.110	1689448	1.23	Target=3.75		81269	
599.00 > 98.80	8.279	8.272	0.007	1.110	452511		3.73(1.87-5.62)		36762	
68 PFTrDA										
663.00 > 619.00	8.408	8.398	0.010	0.959	1137674	1.19	Target=4.52		81040	
663.00 > 168.90	8.408	8.398	0.010	0.959	251607		4.52(2.26-6.78)		18115	
69 11ClFOS										
630.90 > 450.90	8.573	8.563	0.010	1.551	3467132	1.24	Target=3.74		174146	
632.90 > 452.90	8.573	8.563	0.010	1.551	917894		3.78(1.87-5.61)		60872	
70 PFTeDA										
713.10 > 168.90	8.766	8.755	0.011	1.000	230467	1.27	Target=1.81		15331	
713.10 > 219.00	8.755	8.755	0.0	0.999	129864		1.77(0.91-2.72)		8474	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 71 13C2 PFTeDA										
715.20 > 670.00	8.766	8.755	0.011	1.221	1356946	2.02		101	68298	
72 PFDoS										
699.10 > 79.90	8.958	8.949	0.010	1.201	1958422	1.24	Target=4.23		49043	
699.10 > 98.80	8.949	8.949	0.001	1.200	430755		4.55(2.12-6.35)		32561	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	8.996	9.014	-0.018	1.206	805219	4.82		96.4	5079	
74 N-MeFOSE-M										
616.10 > 58.90	9.015	9.024	-0.009	1.002	1140120	6.12			2150	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.106	9.114	-0.008	1.221	619323	1.90		95.0	37292	
76 NMeFOSA										
511.90 > 219.00	9.106	9.114	-0.008	1.000	438525	1.27	Target=0.56		1356	
511.90 > 169.00	9.106	9.114	-0.008	1.000	788545		0.56(0.28-0.85)		2524	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.218	9.230	-0.012	1.236	983212	4.70		94.1	3238	
78 N-EtFOSE-M										
630.00 > 58.90	9.230	9.255	-0.025	1.001	1408516	6.11			4098	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.306	9.318	-0.012	1.247	691242	1.90		94.8	25694	
80 N-EtFOSA-M										
526.00 > 219.00	9.306	9.318	-0.012	1.000	525372	1.26	Target=0.74		1692	
526.00 > 169.00	9.306	9.318	-0.012	1.000	708228		0.74(0.37-1.11)		1565	
81 Perfluorooctadecanoic acid										
913.00 > 869.00	9.647	9.627	0.020	1.100	2537735	1.34	Target=7.31		82102	
913.00 > 169.00	9.638	9.627	0.011	1.099	346940		7.31(3.65-10.96)		19489	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_ICV_00015 Amount Added: 1.00 Units: mL

Report Date: 27-Feb-2025 19:07:42 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-10.d

Injection Date: 27-Feb-2025 17:17:45 Instrument ID: 29347

Lims ID: ICV

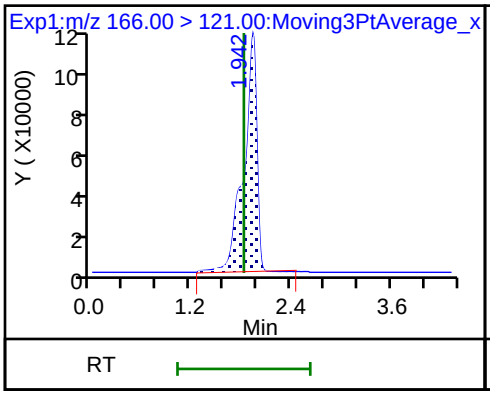
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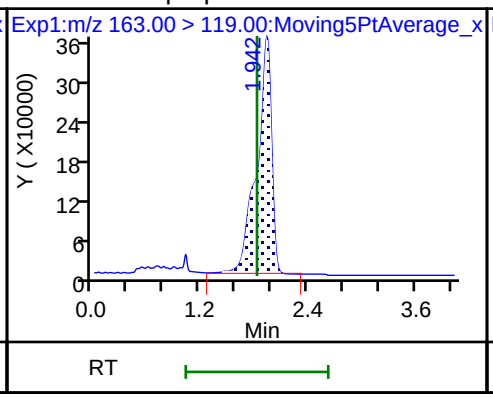
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 29347_1633Final Limit Group: LC - 1633 LVI- ICAL

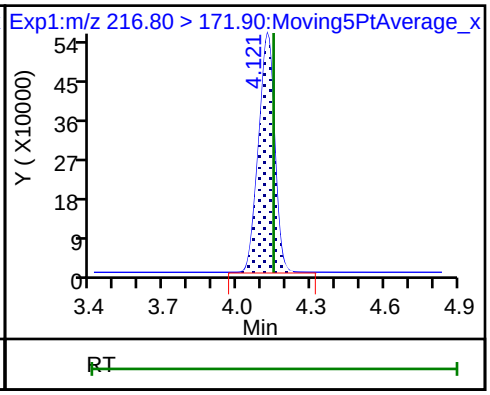
D 1 13C3PFPrA



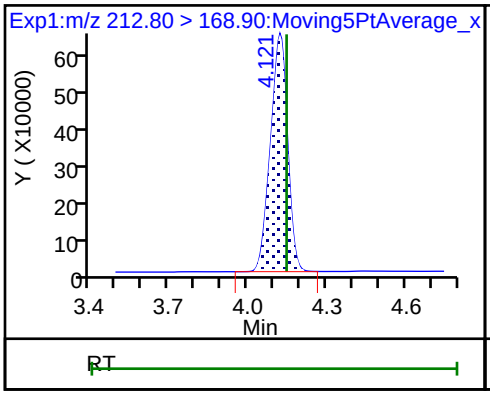
2 Perfluoropropionic acid



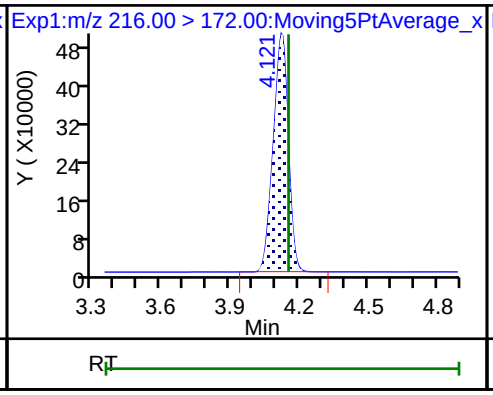
D 4 13C4-PFBA



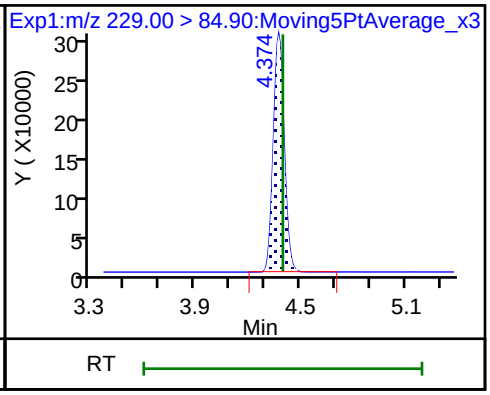
3 PFBA



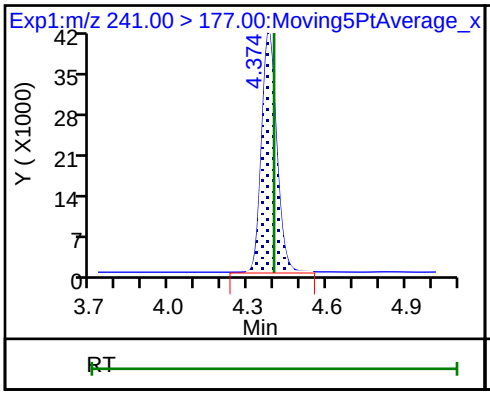
* 5 13C3PFBA



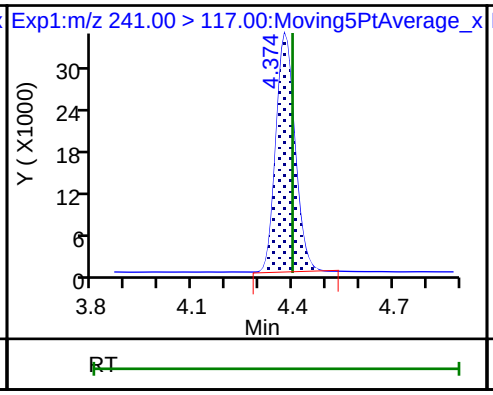
7 PFMPA



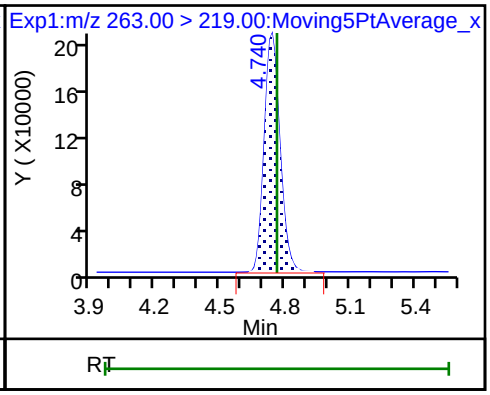
6 3:3 FTCA



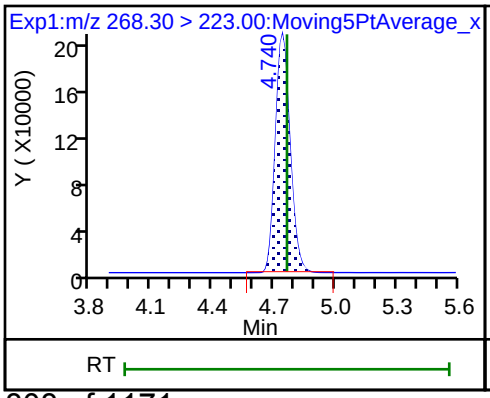
6 3:3 FTCA



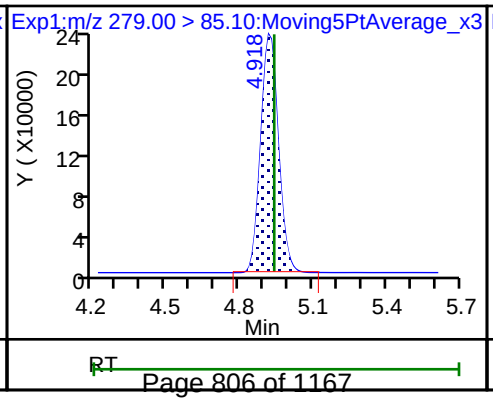
8 PFPA



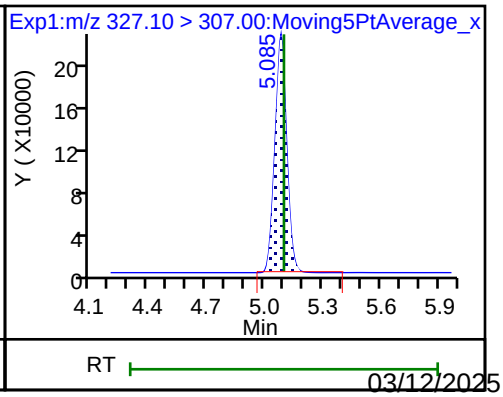
D 9 13C5 PFPeA



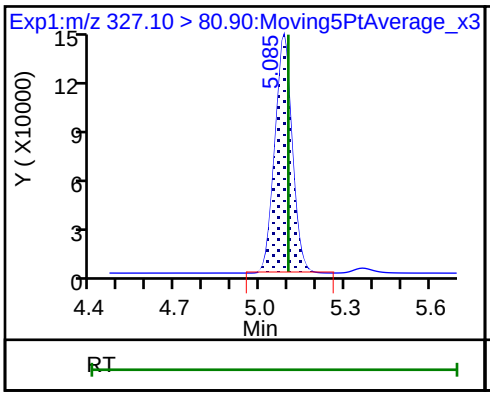
10 PFMBA



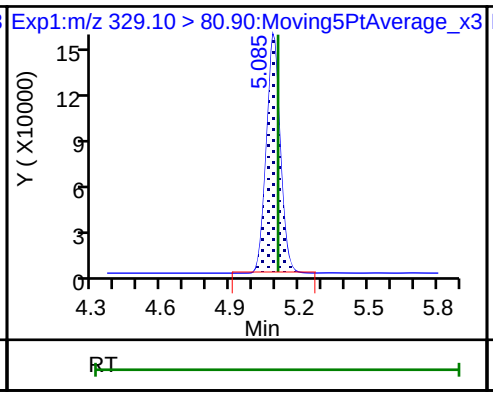
11 4:2FTS



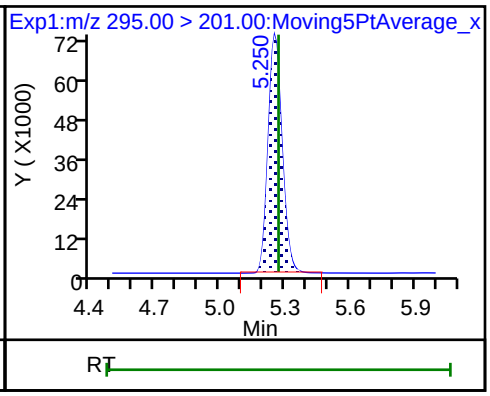
11 4:2FTS



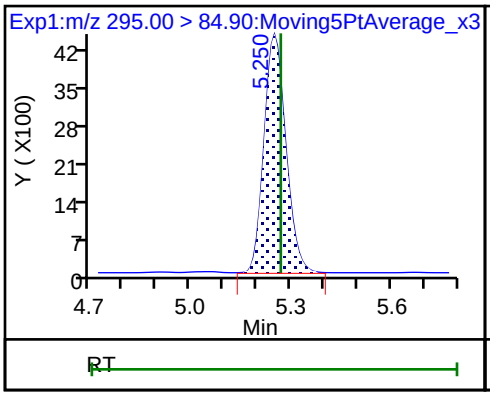
D 13 13C2-4:2FTS



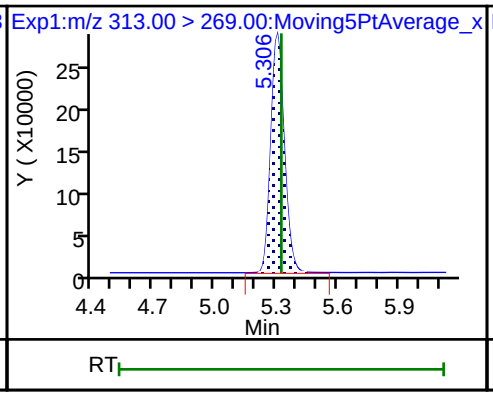
14 NFDHA



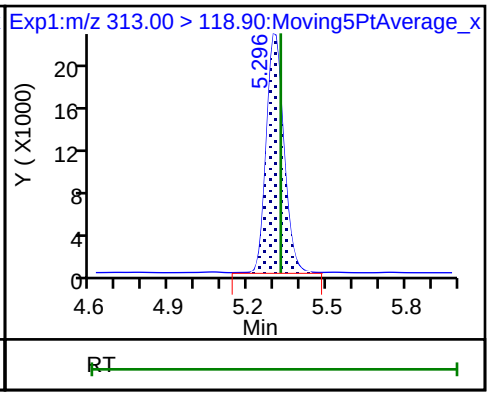
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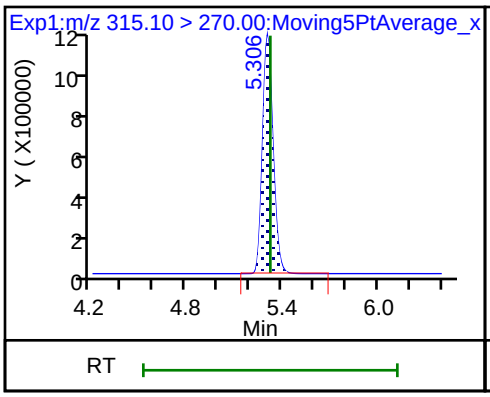
16 PFHxA



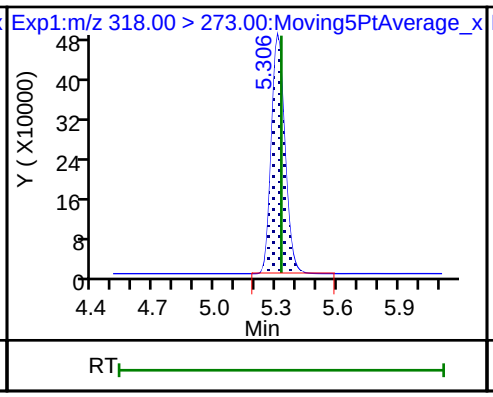
16 PFHxA



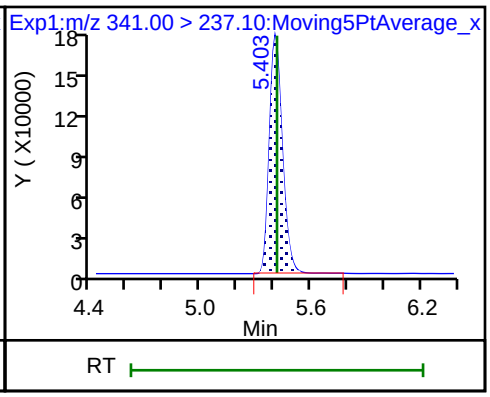
* 15 13C2 PFHxA



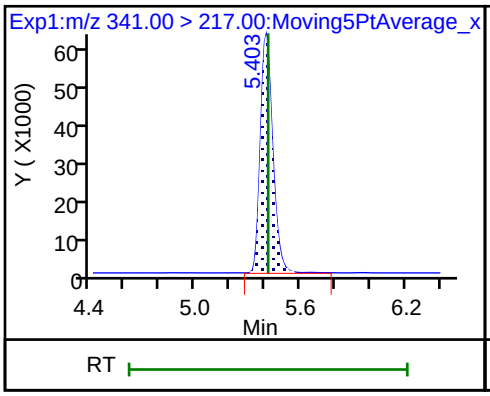
D 17 13C5 PFHxA



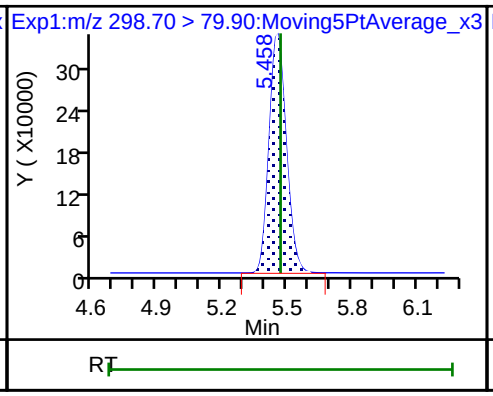
18 5:3 FTCA



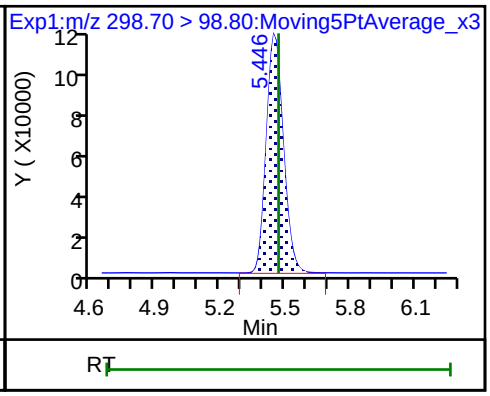
18 5:3 FTCA



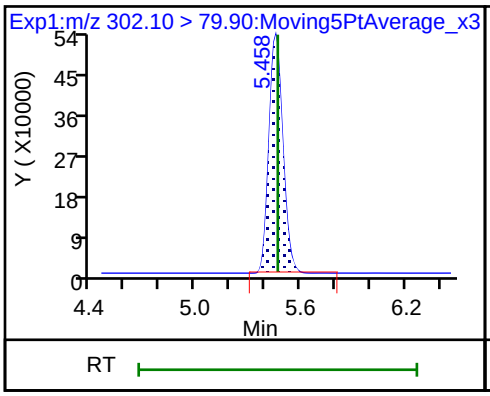
19 PFBS



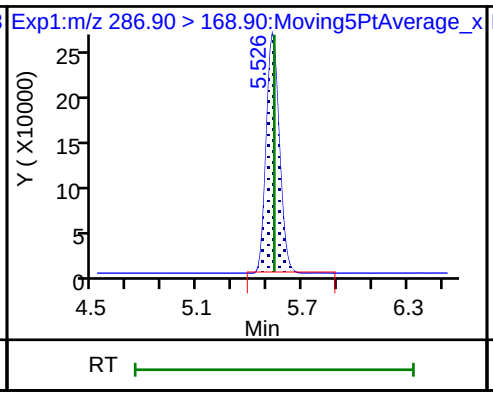
19 PFBS



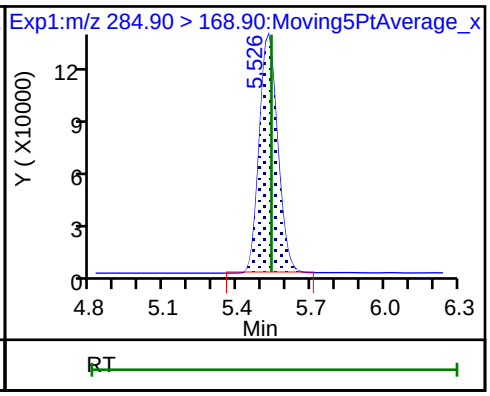
D 20 13C3 PFBS



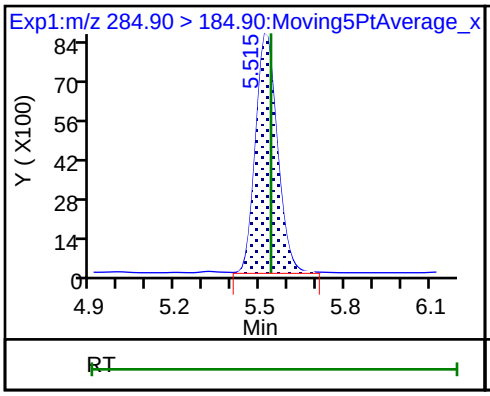
D 22 13C3 HFPO-DA



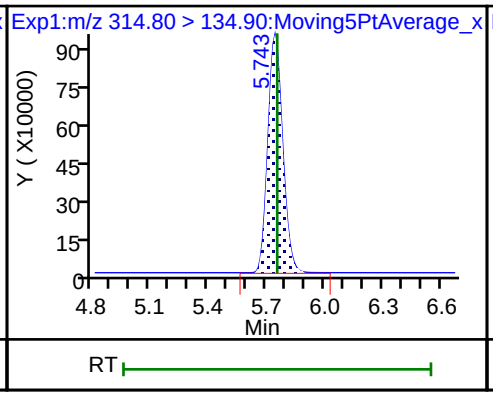
21 HFPO-DA



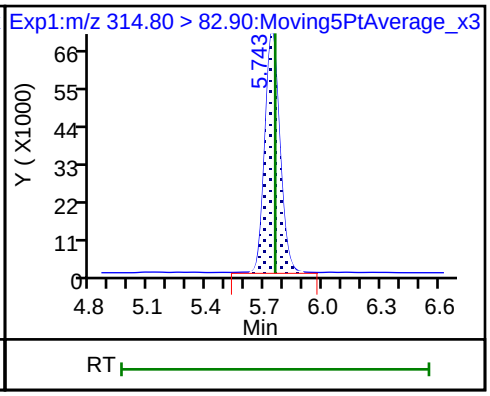
21 HFPO-DA



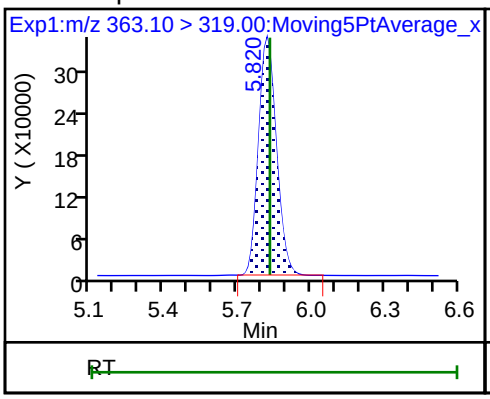
24 PFEESA



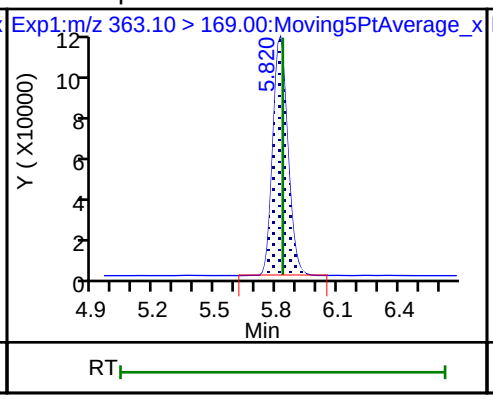
24 PFEESA



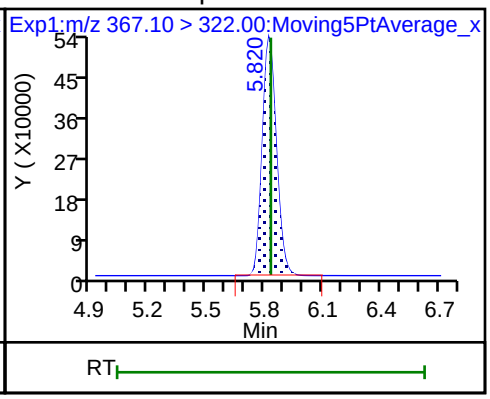
26 PFHpA



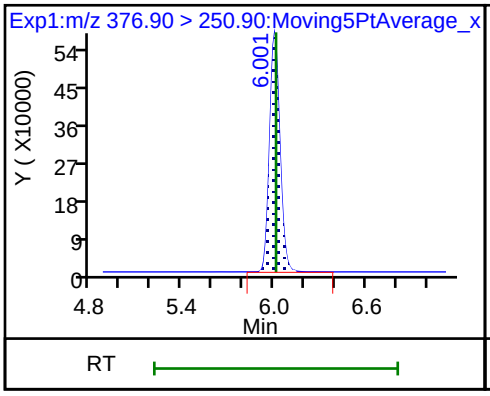
26 PFHpA



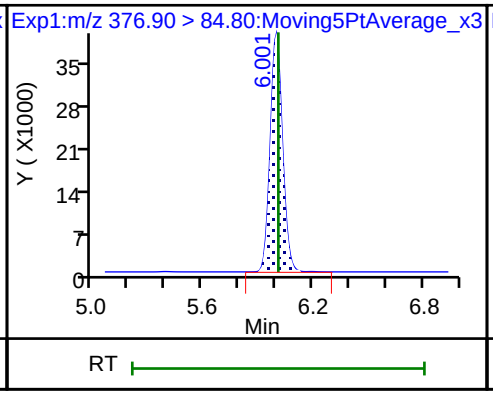
D 27 13C4 PFHpA



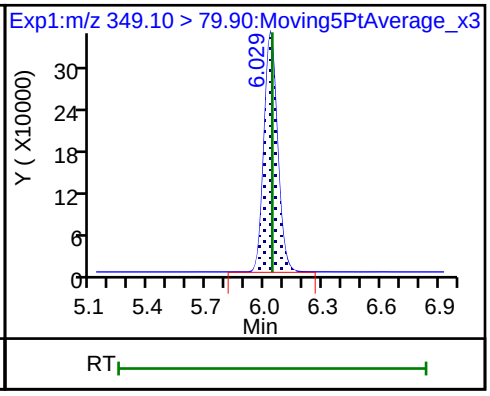
28 ADONA



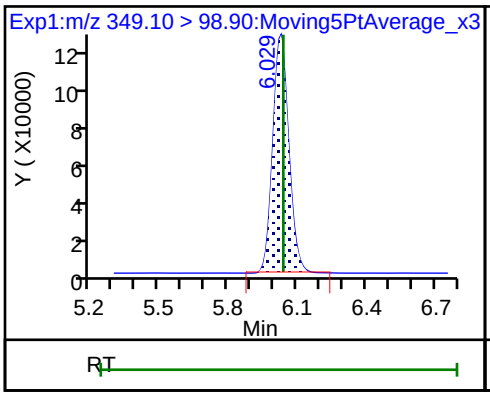
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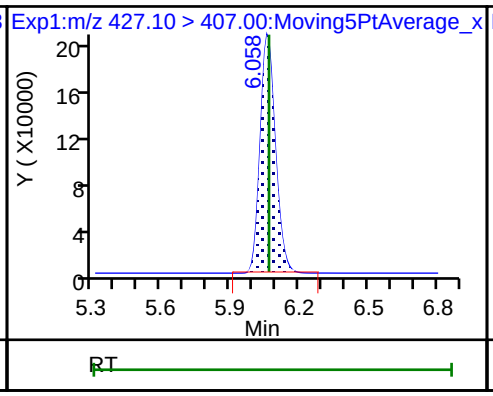
29 PFPeS



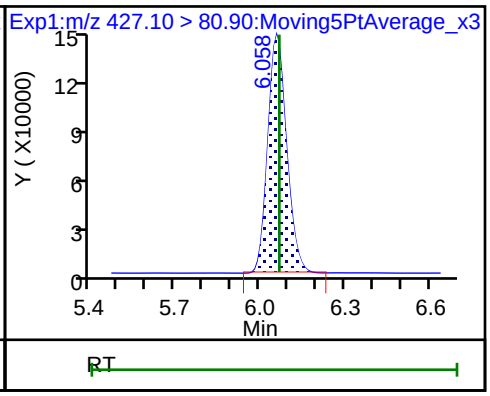
29 PFPeS



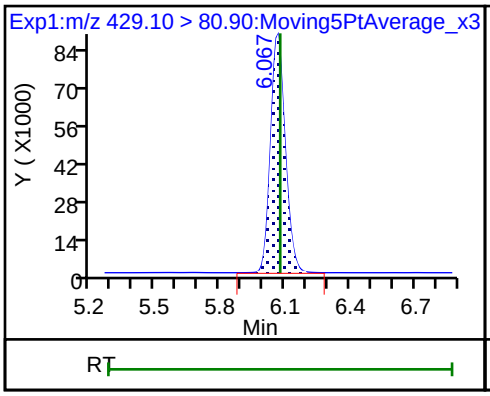
30 6:2FTS



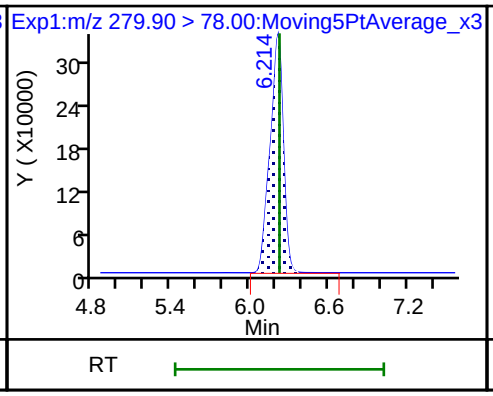
30 6:2FTS



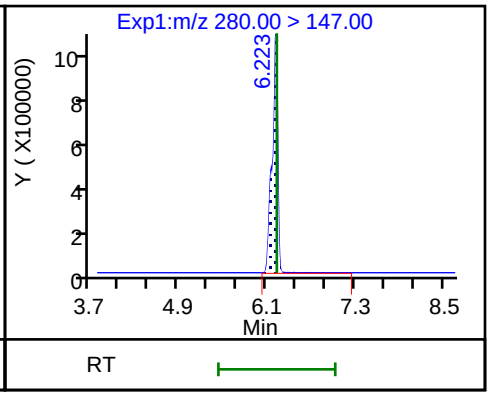
D 31 13C2-6:2FTS



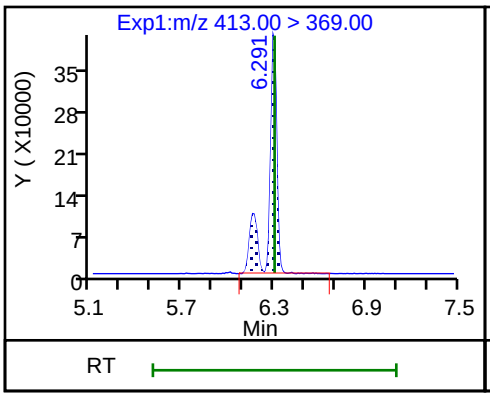
33 FBSA



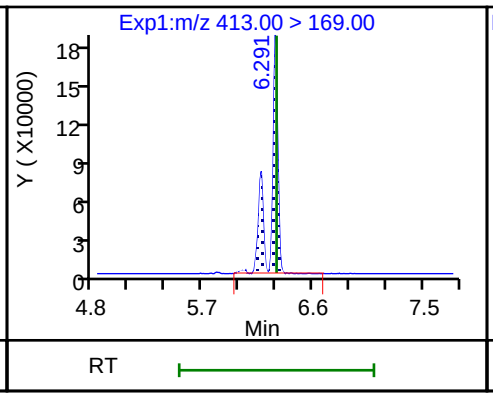
32 BTS



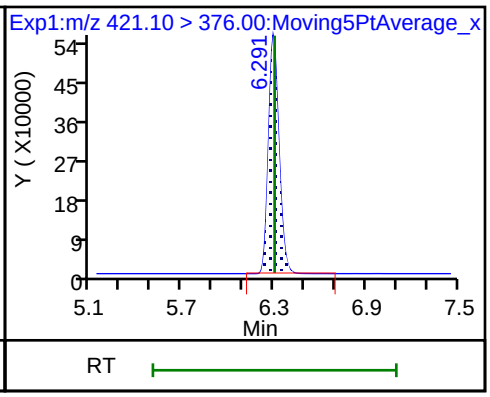
36 PFOA



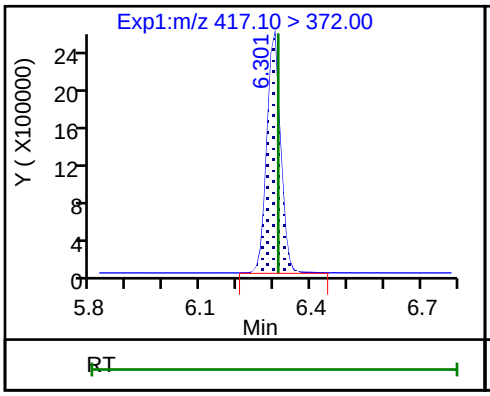
36 PFOA



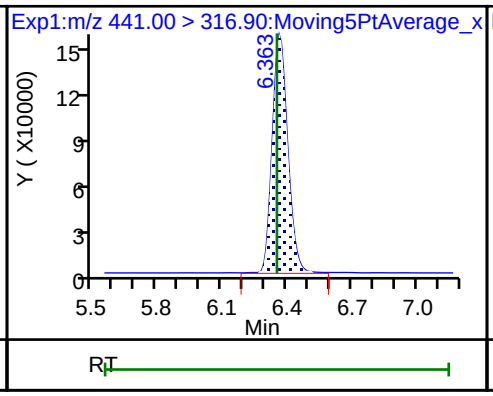
D 34 13C8 PFOA



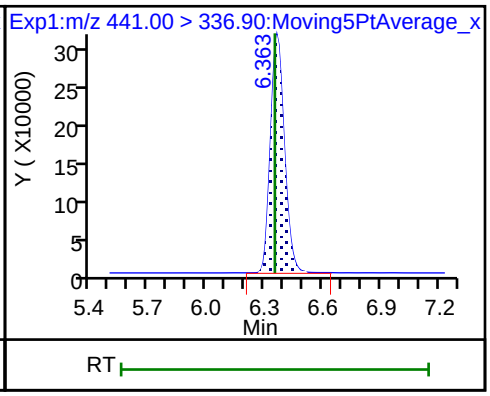
* 35 13C4 PFOA



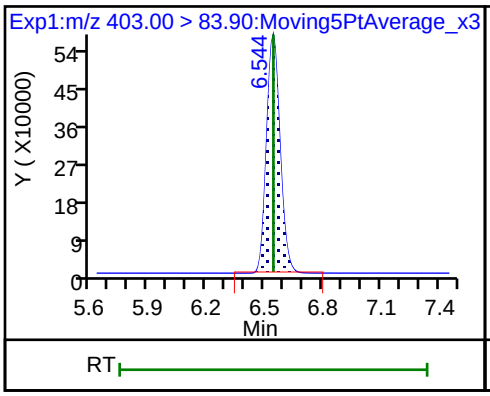
37 7:3 FTCA



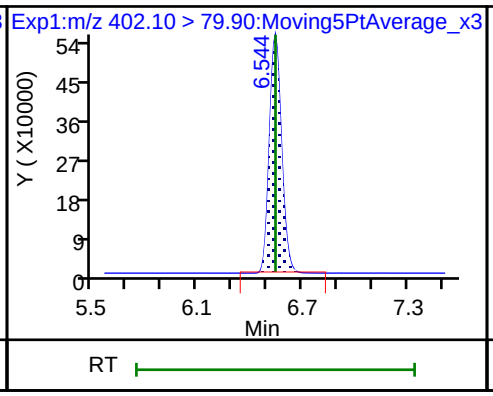
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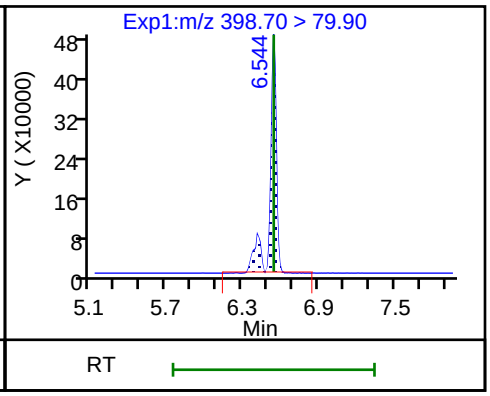
* 38 18O2 PFHxS



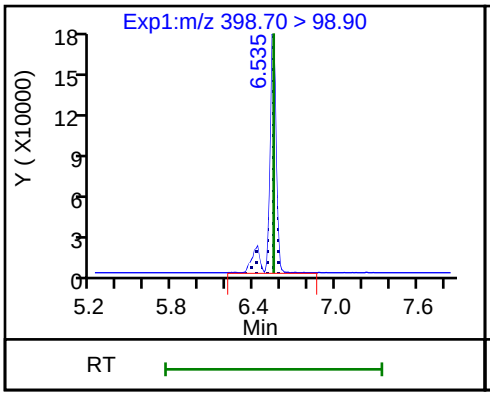
D 39 13C3 PFHxS



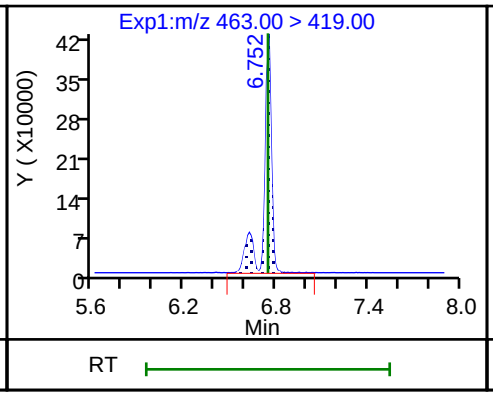
40 PFHxS



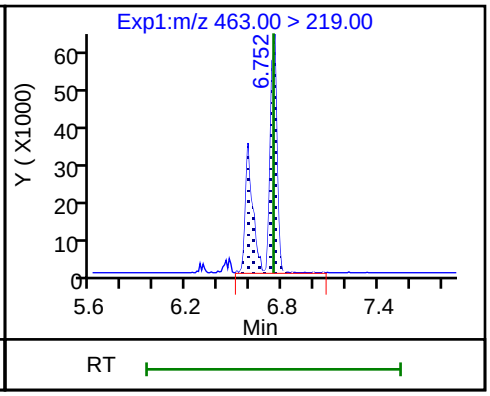
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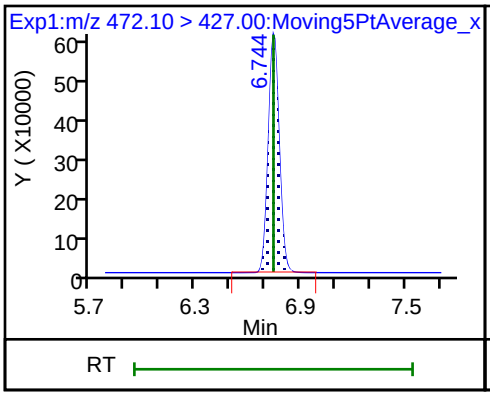
42 PFNA



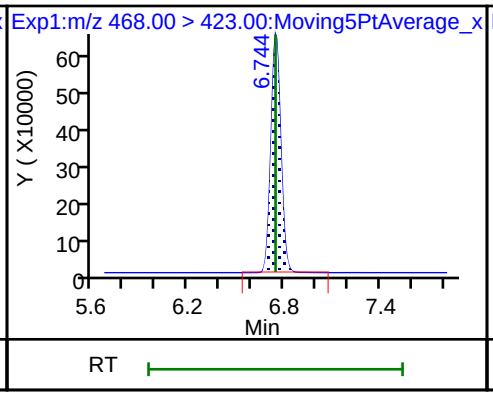
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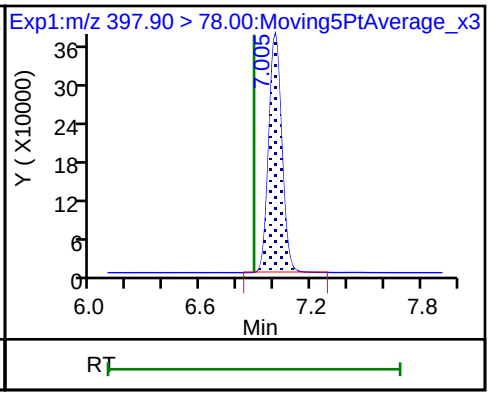
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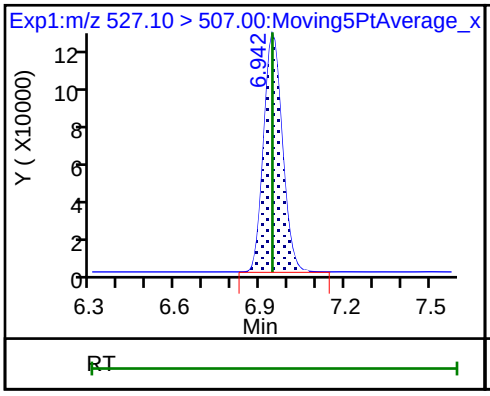
* 43 13C5 PFNA



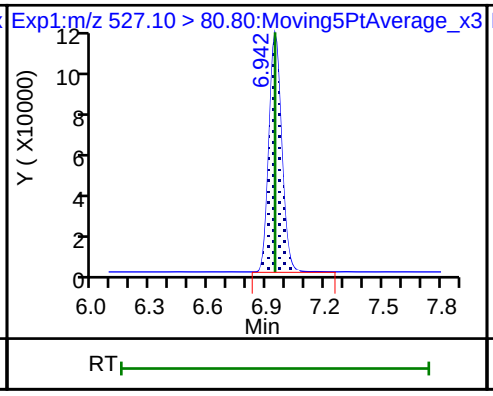
48 FHxSA



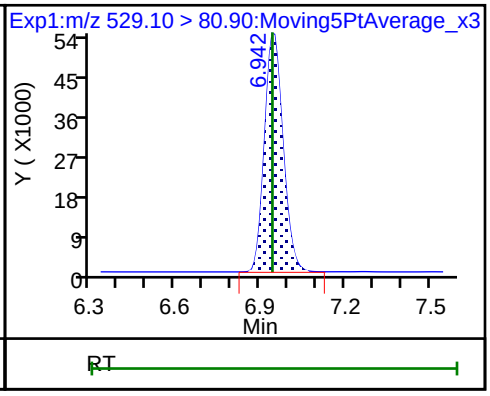
44 8:2FTS



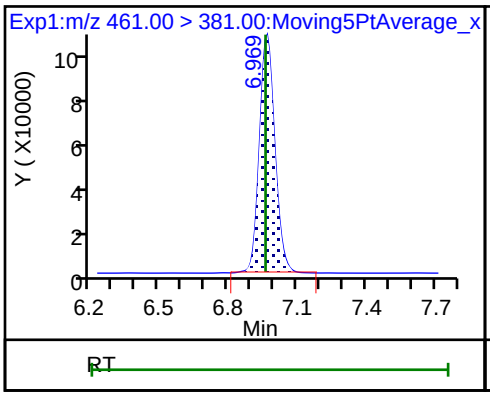
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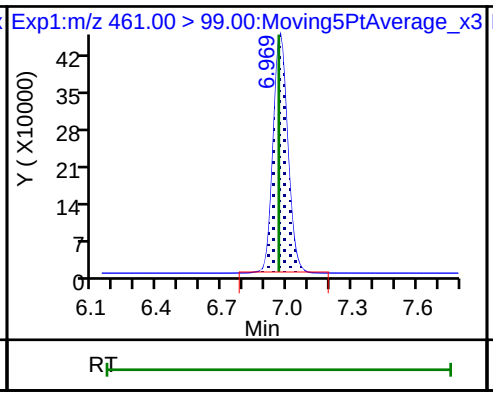
D 45 13C2-8:2FTS



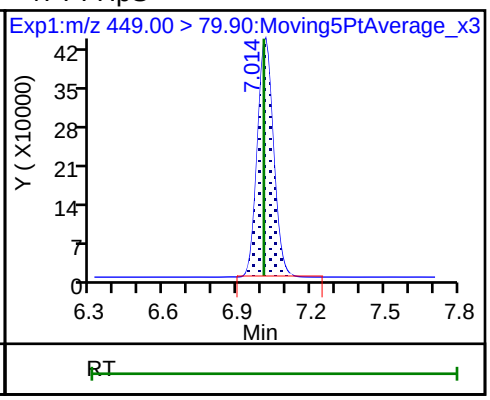
46 PFECHS



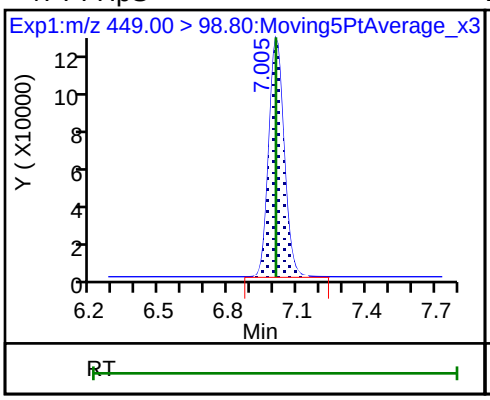
46 PFECHS



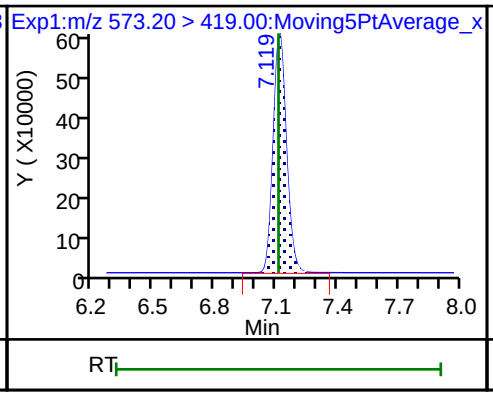
47 PFHpS



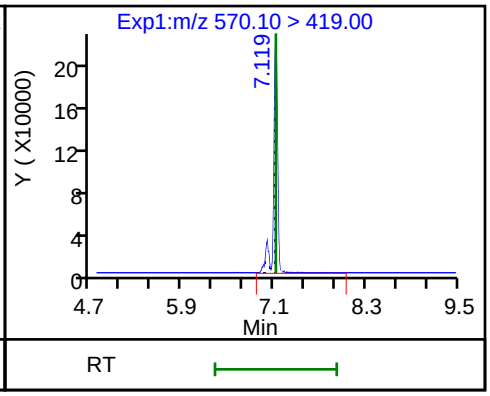
47 PFHpS



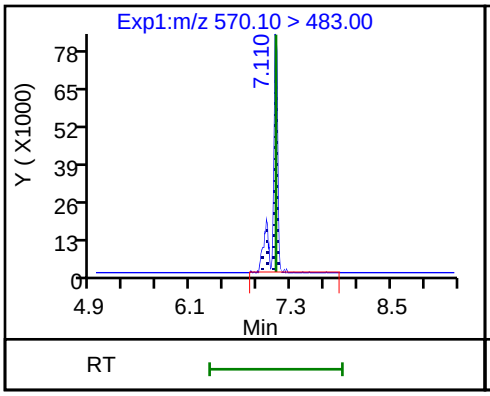
D 50 d3-NMeFOSAA



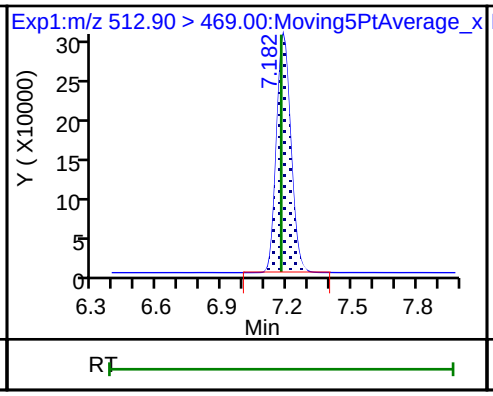
49 NMeFOSAA



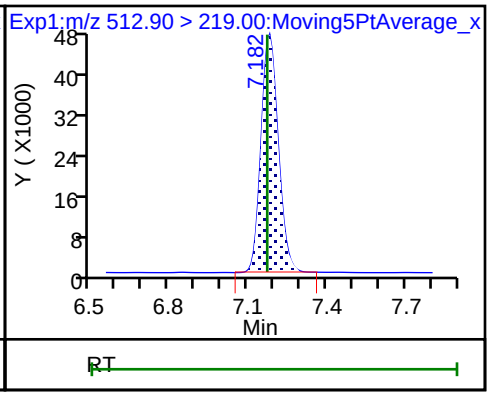
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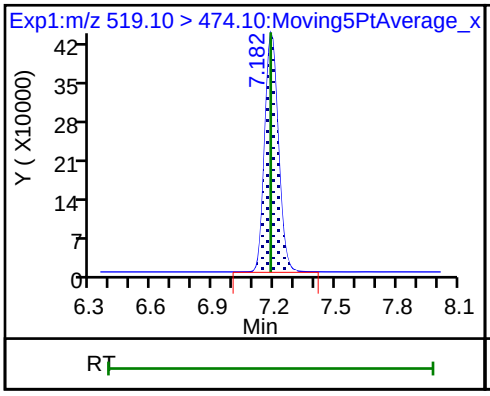
51 PFDA



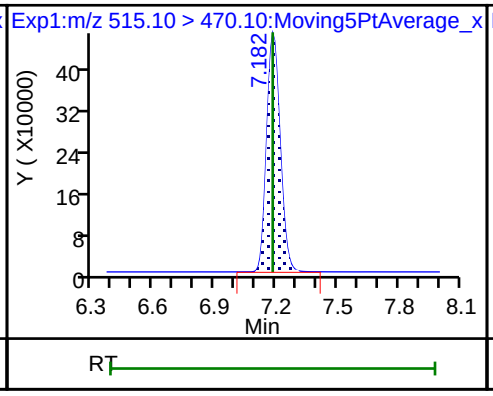
51 PFDA



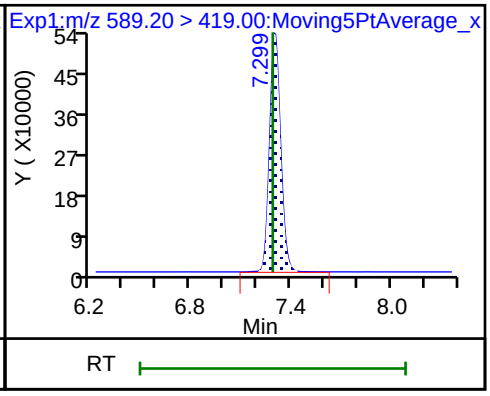
D 53 13C6 PFDA



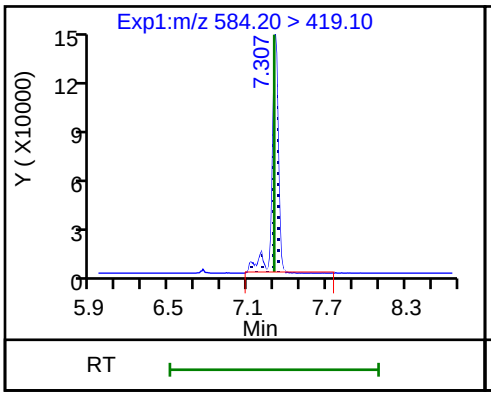
* 52 13C2 PFDA



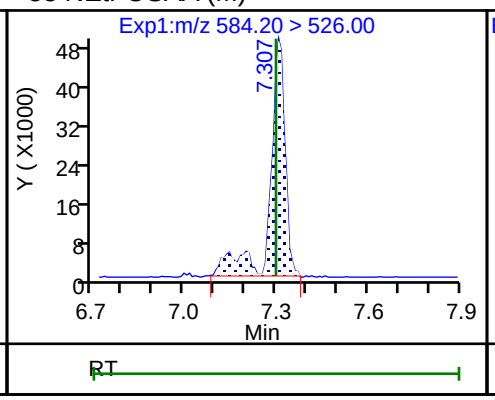
D 54 d5-NEtFOSAA



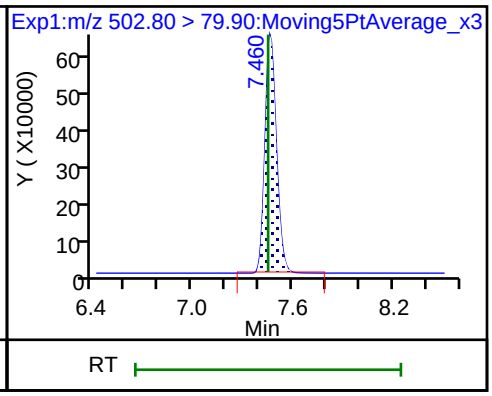
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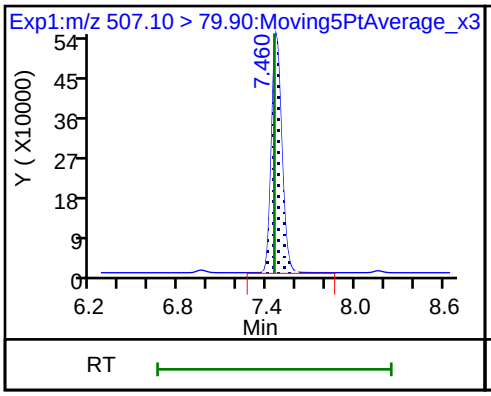
55 NEtFOSAA (M)



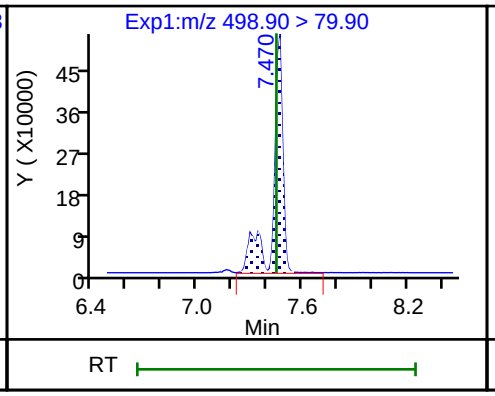
* 57 13C4 PFOS



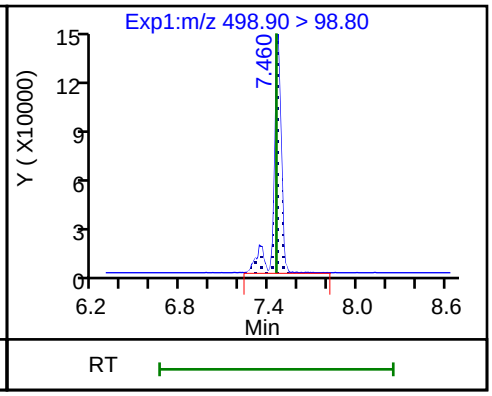
D 56 13C8 PFOS



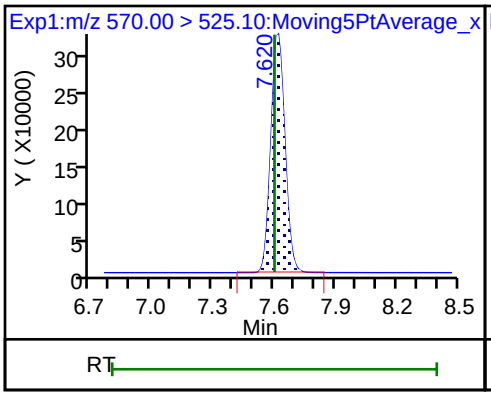
58 PFOS



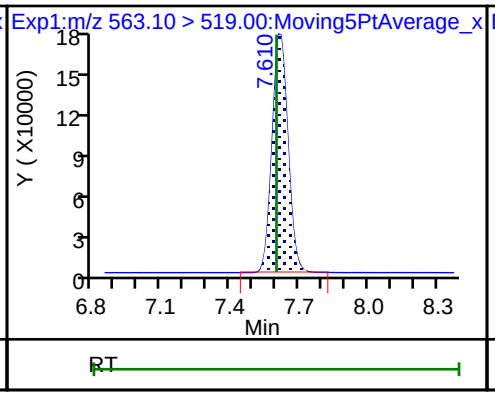
58 PFOS



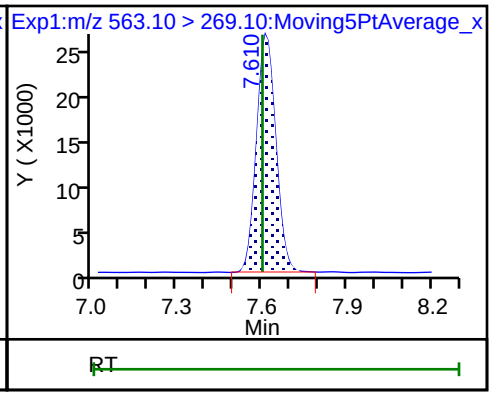
D 60 13C7 PFUnA



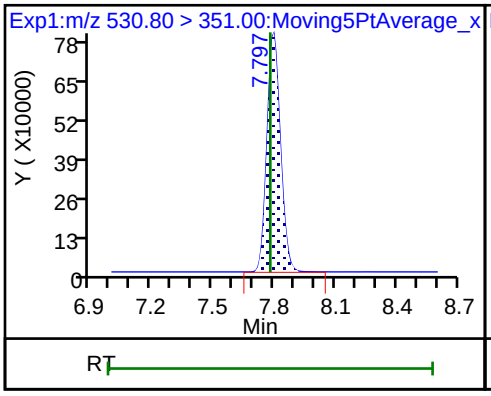
59 PFUnA



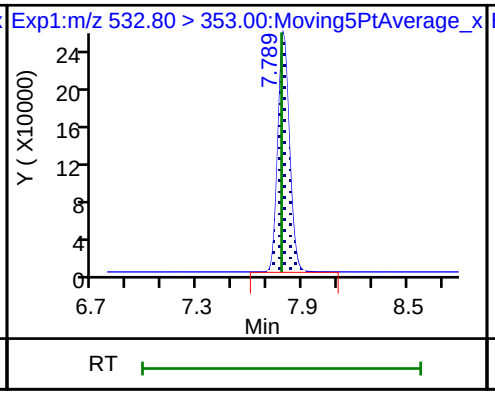
59 PFUnA



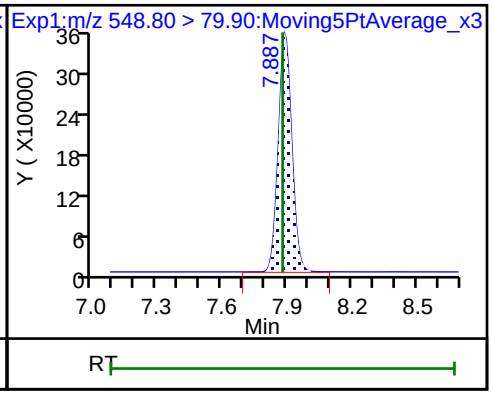
61 9ClFOS



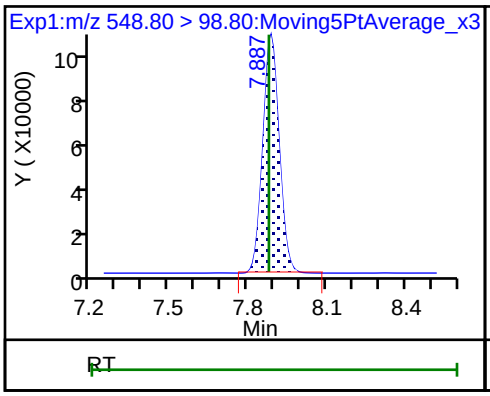
61 9ClFOS



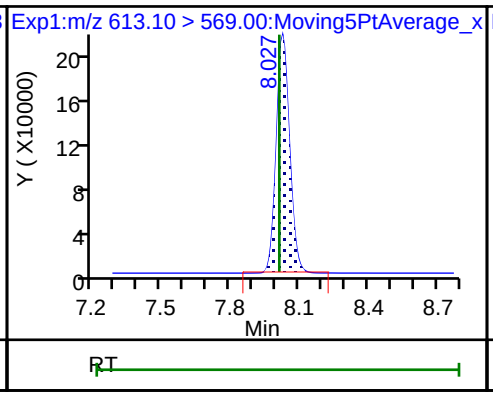
62 PFNS



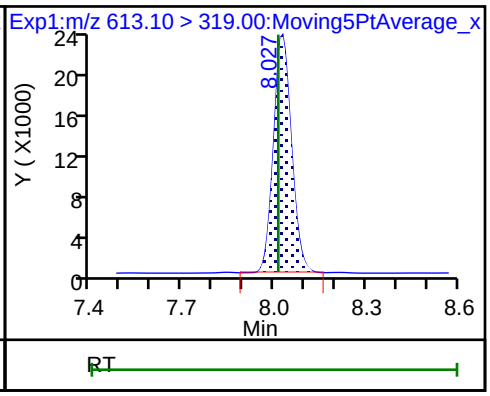
62 PFNS



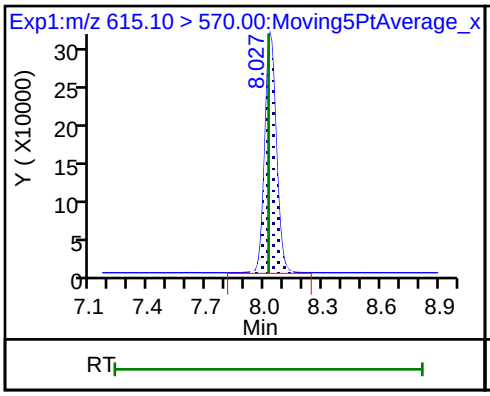
63 PFDoA



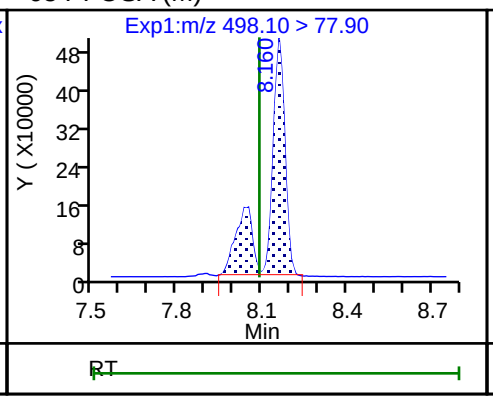
63 PFDoA



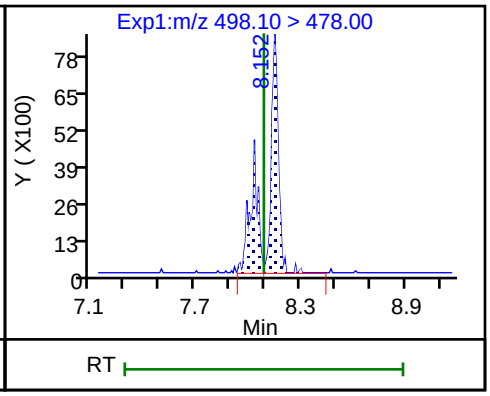
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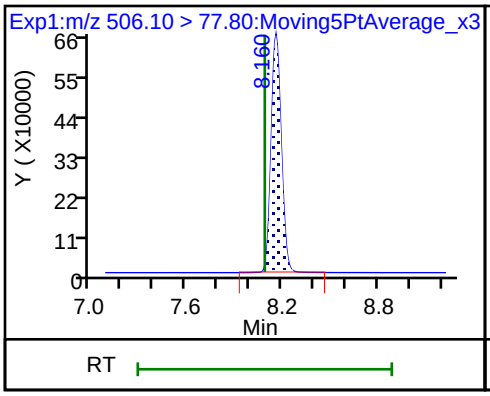
65 PFOSA (M)



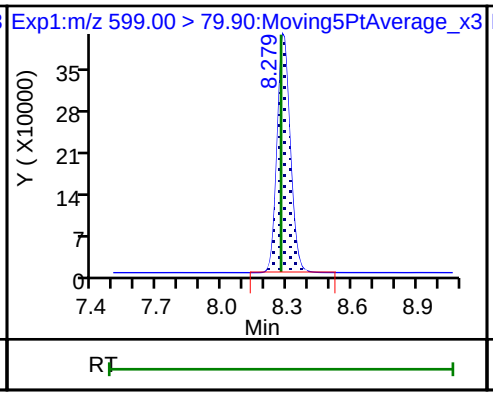
65 PFOSA



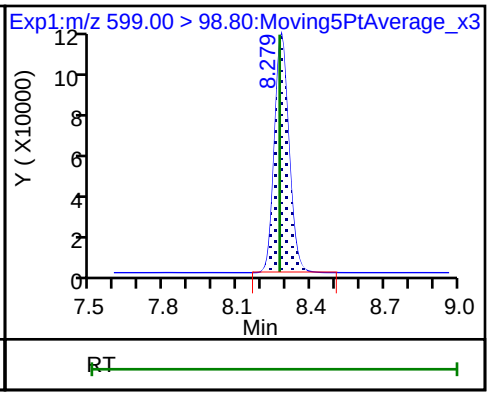
D 66 13C8 FOSA



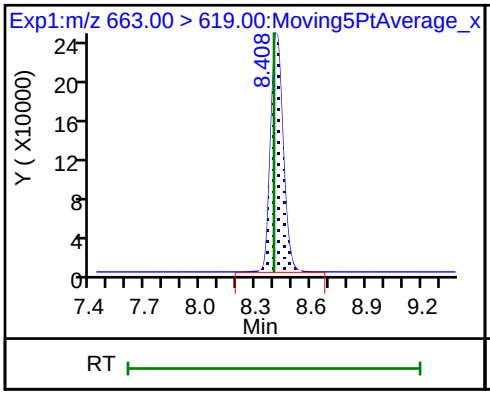
67 PFDS



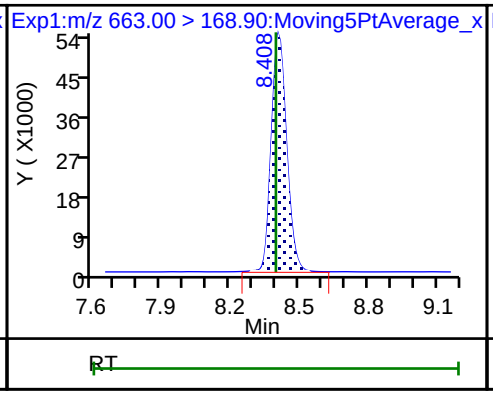
67 PFDS



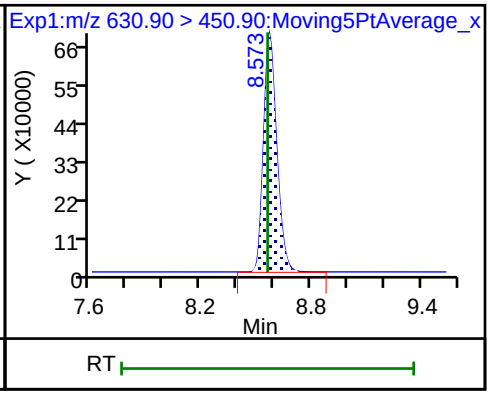
68 PFTrDA



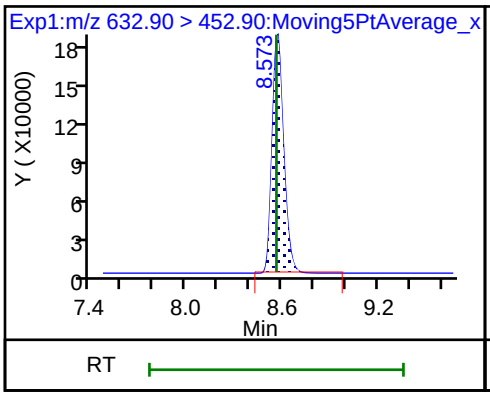
68 PFTrDA



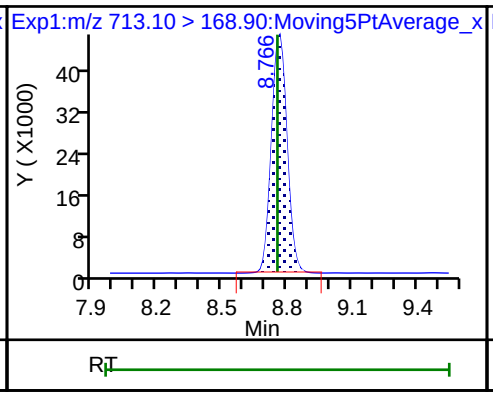
69 11ClFOS



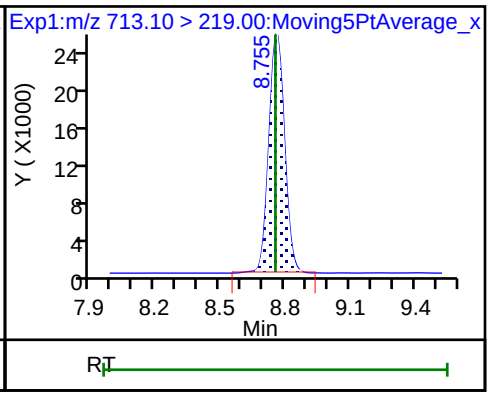
69 11ClFOS



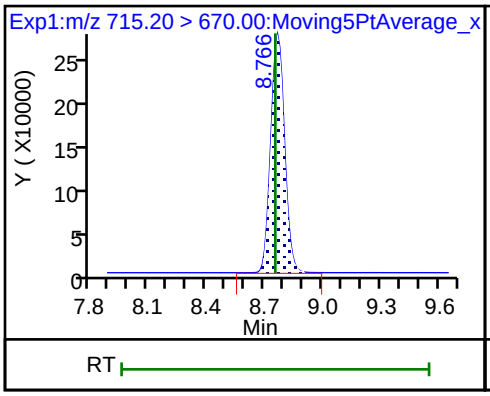
70 PFTeDA



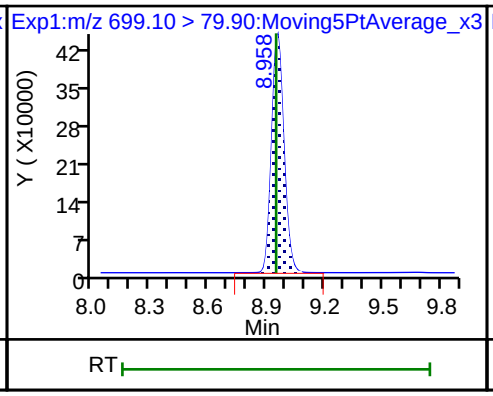
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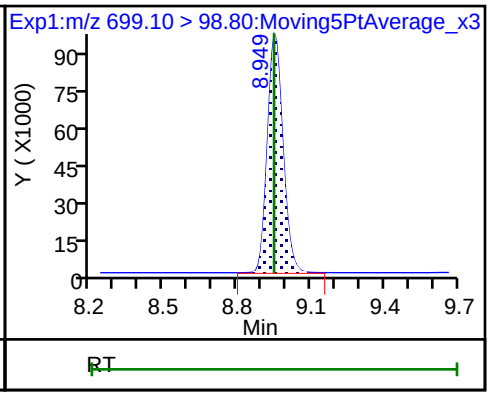
D 71 13C2 PFTeDA



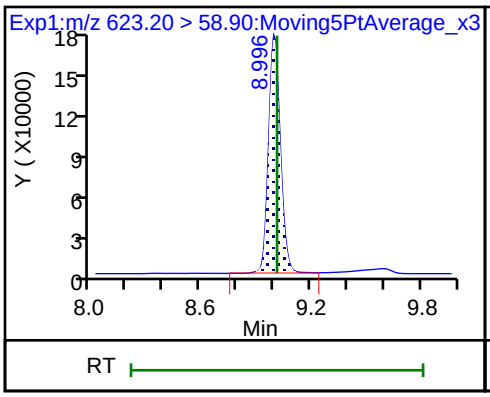
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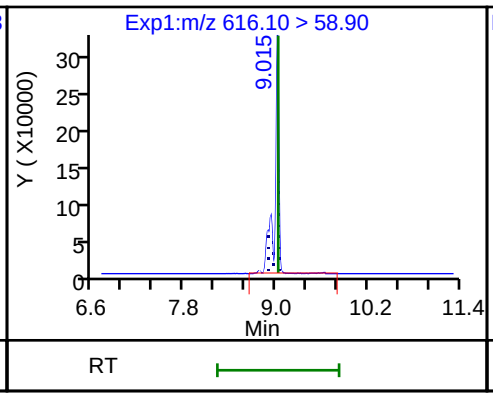
72 PFDoS



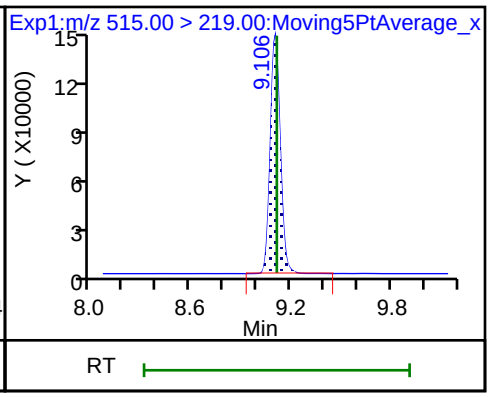
D 73 d7-N-Me-FOSE



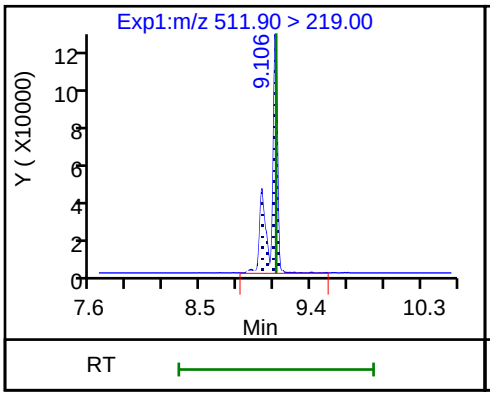
74 N-MeFOSE-M



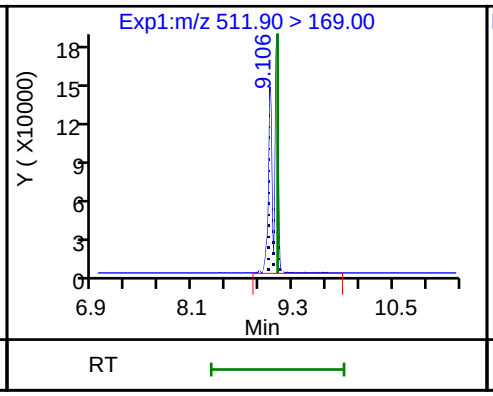
D 75 d3-NMePFOSA



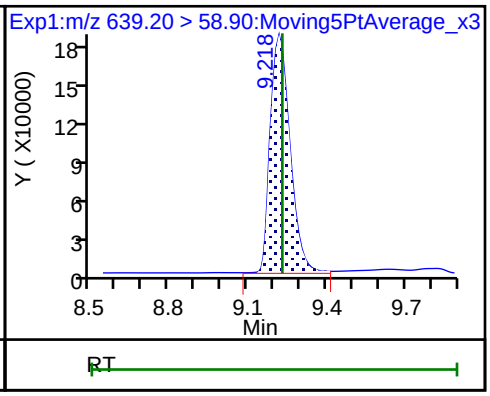
76 NMeFOSA



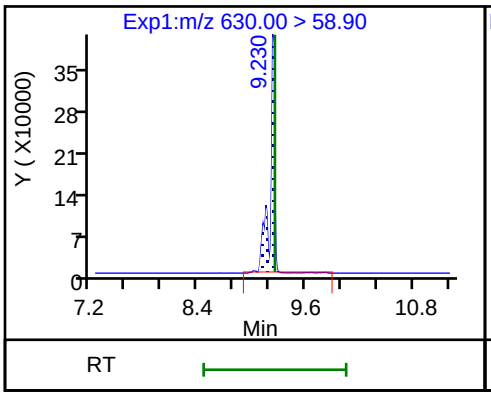
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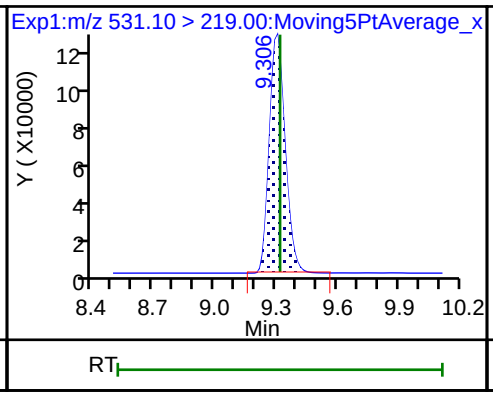
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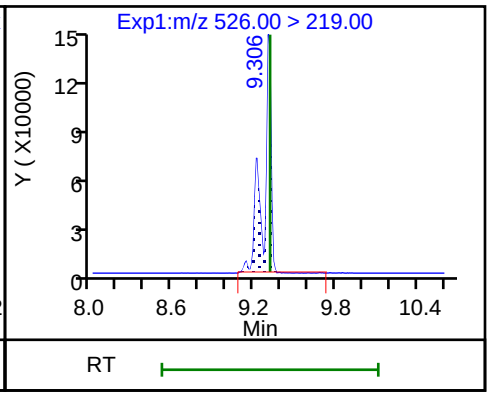
78 N-EtFOSE-M



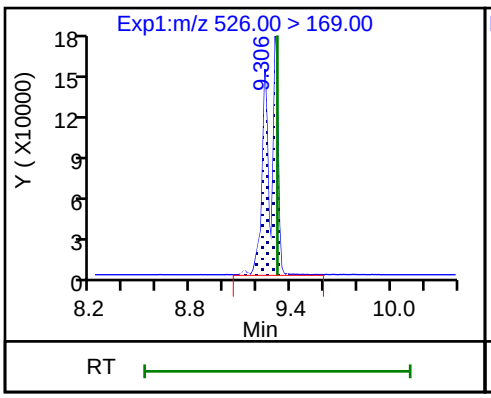
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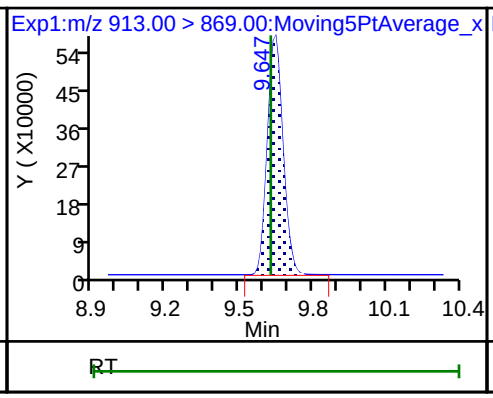
80 N-EtFOSA-M



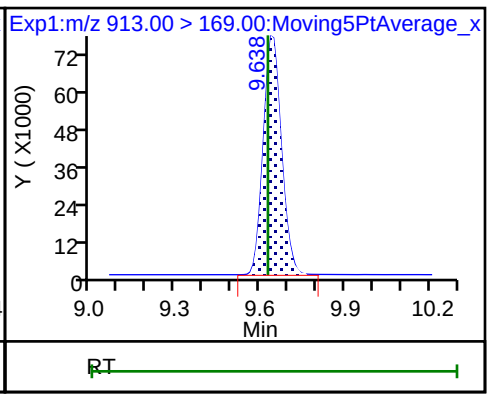
80 N-EtFOSA-M



81 Perfluorooctadecanoic acid



81 Perfluorooctadecanoic acid



FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: CCVO 410-613042/1 Calibration Date: 03/05/2025 10:53

Instrument ID: 29347 Calib Start Date: 02/27/2025 15:11

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 02/27/2025 16:49

Lab File ID: 25MAR05-01.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoropropionic acid (PFPrA)	AveID	1.049	1.105		0.263	0.250	5.3	30.0
Perfluorobutanoic acid	AveID	0.9716	0.9713		0.100	0.100	-0.0	30.0
3:3 FTCA	L2ID		0.1207		0.105	0.100	4.8	30.0
Perfluoro-3-methoxypropanoic acid	AveID	2.079	2.253		0.0542	0.0500	8.4	30.0
Perfluoropentanoic acid	L2ID		1.964		0.0537	0.0500	7.4	30.0
Perfluoro(4-methoxybutanoic acid)	AveID	1.789	1.767		0.0494	0.0500	-1.2	30.0
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	AveID	3.390	3.486		0.0960	0.0934	2.8	30.0
Perfluoro-3,6-dioxaheptanoic acid	AveID	0.2548	0.3422		0.0672	0.0500	34.3*	30.0
Perfluorohexanoic acid	L2ID		1.302		0.0498	0.0500	-0.5	30.0
5:3 FTCA	AveID	0.1339	0.1030		0.192	0.250	-23.1	30.0
Perfluorobutanesulfonic acid	AveID	1.092	1.042		0.0424	0.0444	-4.6	30.0
HFPO-DA	AveID	1.147	1.091		0.0357	0.0375	-4.9	30.0
PFEESA	AveID	4.386	4.418		0.0449	0.0446	0.7	30.0
Perfluoroheptanoic acid	L2ID		1.190		0.0444	0.0500	-11.2	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	3.320	3.505		0.0499	0.0473	5.6	30.0
Perfluoropentanesulfonic acid	AveID	1.044	1.015		0.0457	0.0470	-2.8	30.0
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	AveID	4.697	5.328		0.108	0.0948	13.4	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	1.434	1.418		0.0495	0.0500	-1.1	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	3.662	3.850		0.0515	0.0490	5.2	30.0
Perfluorooctanoic acid	L2ID		1.259		0.0587	0.0500	17.4	30.0
7:3 FTCA	L2ID		0.1012		0.210	0.250	-16.2	30.0
Perfluorohexanesulfonic acid	L2ID		1.101		0.0355	0.0456	-22.2	30.0
Perfluorononanoic acid	L2ID		1.029		0.0466	0.0500	-6.8	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	1.037	1.078		0.0520	0.0500	3.9	30.0
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	AveID	4.323	4.850		0.107	0.0958	12.2	30.0
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	AveID	0.2884	0.2977		0.0477	0.0462	3.2	30.0
Perfluoroheptanesulfonic acid	AveID	1.106	1.178		0.0508	0.0477	6.5	30.0
NMeFOSAA	L2ID		1.212		0.0541	0.0500	8.2	30.0
Perfluorodecanoic acid	AveID	1.053	1.122		0.0533	0.0500	6.6	30.0
NEtFOSAA	L2ID		0.8550		0.0491	0.0500	-1.8	30.0
Perfluorooctanesulfonic acid	L2ID		1.391		0.0454	0.0465	-2.4	30.0
Perfluoroundecanoic acid	AveID	0.8864	0.9231		0.0521	0.0500	4.1	30.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	AveID	4.287	4.635		0.0505	0.0467	8.1	30.0
Perfluorononanesulfonic acid	AveID	0.8930	0.9237		0.0498	0.0481	3.4	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: CCVO 410-613042/1 Calibration Date: 03/05/2025 10:53

Instrument ID: 29347 Calib Start Date: 02/27/2025 15:11

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 02/27/2025 16:49

Lab File ID: 25MAR05-01.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorododecanoic acid	AveID	1.065	1.117		0.0524	0.0500	4.8	30.0
Perfluorooctanesulfonamide	AveID	1.092	1.223		0.0560	0.0500	12.0	30.0
Perfluorodecanesulfonic acid	AveID	0.9899	0.9459		0.0461	0.0482	-4.5	30.0
Perfluorotridecanoic acid	AveID	1.455	1.658		0.0570	0.0500	14.0	30.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	L2ID		4.795		0.0481	0.0472	2.0	30.0
Perfluorotetradecanoic acid	L2ID		0.3094		0.0398	0.0500	-20.3	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	1.142	1.008		0.0428	0.0485	-11.7	30.0
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	AveID	1.158	1.268		0.274	0.250	9.5	30.0
NMeFOSA	L2ID		1.245		0.0463	0.0500	-7.3	30.0
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	AveID	1.173	1.375		0.293	0.250	17.2	30.0
N-ethylperfluoro-1-octanesulfonamide	AveID	1.209	1.313		0.0543	0.0500	8.6	30.0
Perfluoro-n-octadecanoic acid (PFODA)	L2ID		2.152		0.0297	0.0500	-40.6*	30.0
13C3 PFPrA	Ave	0.4881	0.4705		1.93	2.00	-3.6	30.0
13C4 PFBA	Ave	1.146	1.120		1.95	2.00	-2.3	30.0
13C5 PFPeA	Ave	0.5164	0.5369		2.08	2.00	4.0	30.0
M2-4:2 FTS	Ave	0.0892	0.0802		4.22	4.69	-10.1	30.0
13C5 PFHxA	Ave	1.080	1.096		2.03	2.00	1.6	30.0
13C3 PFBS	Ave	1.083	1.038		1.79	1.86	-4.2	30.0
13C3 HFPO-DA	Ave	0.6952	0.7126		2.05	2.00	2.5	30.0
13C4 PFHpA	Ave	1.321	1.518		2.30	2.00	14.9	30.0
M2-6:2 FTS	Ave	0.0619	0.0629		4.84	4.76	1.6	30.0
13C8 PFOA	Ave	1.014	1.066		2.10	2.00	5.2	30.0
13C3 PFHxS	Ave	0.9811	0.996		1.93	1.90	1.6	30.0
13C9 PFNA	Ave	0.9777	1.074		2.20	2.00	9.8	30.0
M2-8:2 FTS	Ave	0.0388	0.0371		4.58	4.80	-4.6	30.0
d3-NMeFOSAA	Ave	0.3643	0.4301		5.90	5.00	18.0	30.0
13C6 PFDA	Ave	1.025	1.070		2.09	2.00	4.4	30.0
d5-NEtFOSAA	Ave	0.3133	0.3972		6.34	5.00	26.8	30.0
13C8 PFOS	Ave	0.9408	1.045		2.12	1.91	11.0	30.0
13C7 PFUnA	Ave	0.7305	0.7789		2.13	2.00	6.6	30.0
13C2 PFDoA	Ave	0.5895	0.5993		2.03	2.00	1.7	30.0
13C8 FOSA	Ave	0.9033	0.9106		2.02	2.00	0.8	30.0
13C2 PFTeDA	Ave	0.6229	0.6646		2.13	2.00	6.7	30.0
d7-N-MeFOSE-M	Ave	0.1022	0.1047		5.12	5.00	2.5	30.0
d3-NMePFOSA	Ave	0.1993	0.2273		2.28	2.00	14.0	30.0
d9-N-EtFOSE-M	Ave	0.1278	0.1335		5.23	5.00	4.5	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: CCVO 410-613042/1 Calibration Date: 03/05/2025 10:53

Instrument ID: 29347 Calib Start Date: 02/27/2025 15:11

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 02/27/2025 16:49

Lab File ID: 25MAR05-01.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d5-NEtPFOSA	Ave	0.2230	0.2541		2.28	2.00	14.0	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\25MAR05-01.d
Lims ID: CCVO 1_CAL1
Client ID:
Sample Type: CCVO
Inject. Date: 05-Mar-2025 10:53:14 ALS Bottle#: 20002 Worklist Smp#: 1
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: CCVO 1_CAL1
Misc. Info.: Plate: 1 Rack: 1
Operator ID: US19_USR_INS00012E Instrument ID: 29347
Sublist: chrom-29347_1633Final*sub1

Method: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\29347_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 05-Mar-2025 17:39:39 Calib Date: 27-Feb-2025 16:49:35
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1725

First Level Reviewer: UHW3 Date: 05-Mar-2025 13:02:28
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C3PFPrA										
166.00 > 121.00	1.806	1.806	0.0	0.439	817155	1.93		96.4	264	
2 Perfluoropropionic acid										
163.00 > 119.00	1.815	1.815	0.0	1.005	112861	0.2632		105	0.9	
D 4 13C4-PFBA										
216.80 > 171.90	4.116	4.116	0.0	1.000	1944696	1.95		97.7	51854	
3 PFBA										
212.80 > 168.90	4.116	4.116	0.0	1.000	94445	0.1000		100.0	69.9	
* 5 13C3PFBA										
216.00 > 172.00	4.116	4.116	0.0		1736617	2.00			472	
7 PFMPA										
229.00 > 84.90	4.361	4.361	0.0	0.926	44128	0.0542		108	1696	
6 3:3 FTCA										
241.00 > 177.00	4.361	4.361	0.0	0.926	4729	0.1048	Target=1.13	105	371	
241.00 > 117.00	4.361	4.361	0.0	0.926	4681		1.01(0.56-1.69)		87.3	
8 PFPA										
263.00 > 219.00	4.711	4.711	0.0	1.000	38473	0.0537		107	444	
D 9 13C5 PFPeA										
268.30 > 223.00	4.711	4.711	0.0	0.892	783501	2.08		104	35969	
10 PFMBA										
279.00 > 85.10	4.897	4.897	0.0	1.040	34619	0.0494		98.8	1612	
11 4:2FTS										
327.10 > 307.00	5.063	5.063	0.0	1.000	30246	0.0960	Target=1.58	103	2157	
327.10 > 80.90	5.052	5.063	-0.011	0.998	17606		1.72(0.79-2.37)		332	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.063	5.063	0.0	0.779	435674	4.22		89.9	23570	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										RMa
295.00 > 201.00	5.217	5.217	0.0	0.988	13689	0.0672	Target=19.85	134	673	Ra
295.00 > 84.90	5.217	5.217	0.0	0.988	340		40.26(9.92-29.77)		24.0	M
16 PFHxA										
313.00 > 269.00	5.272	5.272	0.0	0.998	52069	0.0498	Target=13.05	99.5	726	
313.00 > 118.90	5.272	5.272	0.0	0.998	3974		13.10(6.53-19.58)		276	
D 17 13C5 PFHxA										
318.00 > 273.00	5.281	5.281	0.0	1.000	1600072	2.03		102	83689	
* 15 13C2 PFHxA										
315.10 > 270.00	5.281	5.281	0.0		3648486	5.00			109441	
18 5:3 FTCA										
341.00 > 237.10	5.375	5.375	0.0	1.018	20608	0.1923	Target=2.86	76.9	1032	
341.00 > 217.00	5.366	5.375	-0.009	1.016	8843		2.33(1.43-4.29)		462	
19 PFBS										
298.70 > 79.90	5.418	5.418	0.0	1.000	55613	0.0424	Target=3.09	95.4	2278	
298.70 > 98.80	5.418	5.418	0.0	1.000	20568		2.70(1.55-4.64)		1073	
D 20 13C3 PFBS										
302.10 > 79.90	5.418	5.418	0.0	0.834	2241368	1.79		95.8	90916	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.496	5.496	0.0	1.041	1040030	2.05		103	48321	
21 HFPO-DA										
284.90 > 168.90	5.496	5.496	0.0	1.000	21277	0.0357	Target=15.31	95.1	562	
284.90 > 184.90	5.484	5.496	-0.012	0.998	1558		13.66(7.65-22.96)		99.0	
24 PFEESA										
314.80 > 134.90	5.701	5.701	0.0	1.080	157628	0.0449	Target=13.22	101	6862	
314.80 > 82.90	5.701	5.701	0.0	1.080	11851		13.30(6.61-19.83)		384	
26 PFHpA										
363.10 > 319.00	5.790	5.790	0.0	1.000	65911	0.0444	Target=3.46	88.8	1409	
363.10 > 169.00	5.779	5.790	-0.011	0.998	21359		3.09(1.73-5.19)		1360	
D 27 13C4 PFHpA										
367.10 > 322.00	5.790	5.790	0.0	1.096	2214660	2.30		115	107101	
28 ADONA										
376.90 > 250.90	5.963	5.963	0.0	1.085	86211	0.0499	Target=14.06	106	5914	
376.90 > 84.80	5.963	5.963	0.0	1.085	5417		15.91(7.03-21.09)		391	
29 PFPeS										
349.10 > 79.90	5.983	5.983	0.0	0.921	55088	0.0457	Target=2.97	97.2	3475	
349.10 > 98.90	5.983	5.983	0.0	0.921	19398		2.84(1.48-4.45)		1234	
30 6:2FTS										
427.10 > 407.00	6.031	6.031	0.0	1.000	36799	0.1075	Target=1.46	113	2554	
427.10 > 80.90	6.022	6.031	-0.009	0.998	21483		1.71(0.73-2.20)		1153	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.031	6.031	0.0	0.928	346824	4.84		102	18896	
33 FBSA										
279.90 > 78.00	6.168	6.168	0.0	1.138	85271	0.0495		98.9	3455	
32 BTS										
280.00 > 147.00	6.177	6.177	0.0	0.951	217639	0.0515		105	174	
D 34 13C8 PFOA										
421.10 > 376.00	6.254	6.254	0.0	1.000	2154847	2.10		105	151505	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 35 13C4 PFOA										
417.10 > 372.00	6.254	6.254	0.0		5052992	5.00			390702	
36 PFOA										
413.00 > 369.00	6.254	6.254	0.0	1.000	67816	0.0587	Target=2.10	117	5982	
413.00 > 169.00	6.254	6.254	0.0	1.000	27000		2.51(1.05-3.15)		5896	
37 7:3 FTCA										
441.00 > 316.90	6.312	6.312	0.0	1.195	20250	0.2095	Target=0.46	83.8	1400	
441.00 > 336.90	6.303	6.312	-0.009	1.194	50205		0.40(0.23-0.69)		3505	
* 38 18O2 PFHxS										
403.00 > 83.90	6.496	6.496	0.0		2192413	1.89			110741	
40 PFHxS										
398.70 > 79.90	6.496	6.496	0.0	1.000	57969	0.0355	Target=2.96	77.8	115	
398.70 > 98.90	6.506	6.496	0.010	1.001	17950		3.23(1.48-4.44)		28.1	
D 39 13C3 PFHxS										
402.10 > 79.90	6.496	6.496	0.0	1.000	2189330	1.93		102	110861	
D 41 13C9 PFNA										
472.10 > 427.00	6.701	6.701	0.0	1.000	2220003	2.20		110	121853	
* 43 13C5 PFNA										
468.00 > 423.00	6.701	6.701	0.0		2067115	2.00			113892	
42 PFNA										
463.00 > 419.00	6.701	6.701	0.0	1.000	57128	0.0466	Target=5.06	93.2	15719	
463.00 > 219.00	6.701	6.701	0.0	1.000	11611		4.92(2.53-7.59)		6.6	
48 FHxSA										
397.90 > 78.00	6.864	6.864	0.0	1.057	62246	0.0520		104	2242	
44 8:2FTS										
527.10 > 507.00	6.889	6.889	0.0	0.999	19959	0.1075	Target=1.12	112	1487	
527.10 > 80.80	6.898	6.889	0.009	1.000	17003		1.17(0.56-1.68)		1306	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.898	6.898	0.0	1.062	206184	4.58		95.4	15630	
46 PFECHS										
461.00 > 381.00	6.907	6.907	0.0	1.063	15884	0.0477	Target=0.23	103	1120	
461.00 > 99.00	6.907	6.907	0.0	1.063	69960		0.23(0.11-0.34)		5073	
47 PFHpS										
449.00 > 79.90	6.952	6.952	0.0	0.941	64770	0.0508	Target=3.51	107	3548	
449.00 > 98.80	6.943	6.952	-0.009	0.940	18451		3.51(1.75-5.26)		1338	
D 50 d3-NMeFOSAA										
573.20 > 419.00	7.058	7.058	0.0	0.954	2372234	5.90		118	106354	
49 NMeFOSAA										
570.10 > 419.00	7.067	7.067	0.0	1.001	28758	0.0541	Target=2.33	108	49.8	
570.10 > 483.00	7.058	7.067	-0.009	1.000	12240		2.35(1.16-3.49)		13.6	
51 PFDA										
512.90 > 469.00	7.128	7.128	0.0	1.000	48946	0.0533	Target=6.65	107	2225	
512.90 > 219.00	7.128	7.128	0.0	1.000	8184		5.98(3.33-9.98)		605	
D 53 13C6 PFDA										
519.10 > 474.10	7.128	7.128	0.0	1.000	1744296	2.09		104	128320	
* 52 13C2 PFDA										
515.10 > 470.10	7.128	7.128	0.0		1630241	2.00			89947	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.246	7.246	0.0	0.979	2190899	6.34		127	119071	
55 NEtFOSAA										M
584.20 > 419.10	7.255	7.255	0.0	1.001	18732	0.0491	Target=2.61	98.2	50.7	M
584.20 > 526.00	7.255	7.255	0.0	1.001	7903		2.37(1.31-3.92)		25.0	M
D 56 13C8 PFOS										
507.10 > 79.90	7.388	7.388	0.0	0.999	2203657	2.12		111	52516	
58 PFOS										
498.90 > 79.90	7.388	7.388	0.0	1.000	74538	0.0454	Target=3.87	97.6	8594	
498.90 > 98.80	7.398	7.388	0.010	1.001	18414		4.05(1.93-5.80)		49.4	
* 57 13C4 PFOS										
502.80 > 79.90	7.398	7.398	0.0		2109363	1.91			113439	
59 PFUnA										R
563.10 > 519.00	7.551	7.551	0.0	1.000	29303	0.0521	Target=6.45	104	1461	R
563.10 > 269.10	7.541	7.551	-0.011	0.999	3006		9.75(3.23-9.68)		199	
D 60 13C7 PFUnA										
570.00 > 525.10	7.551	7.551	0.0	1.059	1269755	2.13		107	86453	
61 9ClFOS										
530.80 > 351.00	7.718	7.718	0.0	1.404	112562	0.0505	Target=3.27	108	8463	
532.80 > 353.00	7.718	7.718	0.0	1.404	36544		3.08(1.64-4.91)		2702	
62 PFNS										
548.80 > 79.90	7.816	7.816	0.0	1.058	51207	0.0498	Target=3.46	103	2802	
548.80 > 98.80	7.806	7.816	-0.010	1.057	13751		3.72(1.73-5.19)		1024	
63 PFDoA										
613.10 > 569.00	7.960	7.960	0.0		27280	0.0524	Target=8.39	105	2060	
613.10 > 319.00	7.952	7.960	-0.008		3025		9.02(4.19-12.58)		244	
D 64 PFDoA										
615.10 > 570.00	7.960	7.960	0.0	1.117	977075	2.03		102	77623	
D 66 13C8 FOSA										
506.10 > 77.80	8.066	8.066	0.0	1.090	2009081	2.02		101	114555	
65 PFOSA										M
498.10 > 77.90	8.074	8.074	0.0	1.001	61411	0.0560	Target=55.40	112	112	
498.10 > 478.00	8.082	8.074	0.008	1.002	1119		54.88(27.70-83.10)		4.0	M
67 PFDS										
599.00 > 79.90	8.203	8.203	0.0	1.110	52545	0.0461	Target=3.75	95.5	3066	
599.00 > 98.80	8.203	8.203	0.0	1.110	15770		3.33(1.87-5.62)		1261	
68 PFTrDA										
663.00 > 619.00	8.336	8.336	0.0	0.959	42701	0.0570	Target=4.52	114	3241	
663.00 > 168.90	8.336	8.336	0.0	0.959	9485		4.50(2.26-6.78)		541	
69 11ClFOS										
630.90 > 450.90	8.495	8.495	0.0	1.546	117700	0.0481	Target=3.74	102	8369	
632.90 > 452.90	8.495	8.495	0.0	1.546	33970		3.46(1.87-5.61)		2425	
70 PFTeDA										
713.10 > 168.90	8.689	8.689	0.0	1.000	8381	0.0398	Target=1.81	79.7	416	
713.10 > 219.00	8.689	8.689	0.0	1.000	3617		2.32(0.91-2.72)		244	
D 71 13C2 PFTeDA										
715.20 > 670.00	8.689	8.689	0.0	1.219	1083389	2.13		107	51373	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
72 PFDoS										
699.10 > 79.90	8.885	8.885	0.0	1.203	56372	0.0428	Target=4.23	88.3	1561	
699.10 > 98.80	8.875	8.885	-0.010	1.201	14800		3.81(2.12-6.35)		1136	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	8.998	8.998	0.0	1.216	577581	5.12		102	4931	
74 N-MeFOSE-M										M
616.10 > 58.90	9.016	9.016	0.0	1.002	36618	0.2739		110	5181	M
D 75 d3-NMePFOSA										
515.00 > 219.00	9.099	9.099	0.0	1.230	501493	2.28		114	29854	
76 NMeFOSA										
511.90 > 219.00	9.107	9.107	0.0	1.001	15613	0.0463	Target=0.56	92.7	70.5	
511.90 > 169.00	9.099	9.107	-0.008	1.000	28858		0.54(0.28-0.85)		70.7	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.224	9.224	0.0	1.247	736503	5.23		105	3191	
78 N-EtFOSE-M										
630.00 > 58.90	9.237	9.237	0.0	1.001	50629	0.2930		117	15093	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.299	9.299	0.0	1.257	560712	2.28		114	26122	
80 N-EtFOSA-M										
526.00 > 219.00	9.312	9.312	0.0	1.001	18407	0.0543	Target=0.74	109	99.5	
526.00 > 169.00	9.312	9.312	0.0	1.001	23729		0.78(0.37-1.11)		86.7	
81 Perfluorooctadecanoic acid										
913.00 > 869.00	9.535	9.535	0.0	1.097	58276	0.0297	Target=7.31	59.4	4195	
913.00 > 169.00	9.535	9.535	0.0	1.097	7853		7.42(3.65-10.96)		569	

QC Flag Legend

Processing Flags
R - Failed Signal Ratio Test
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

1633_125_CAL1_00036 Amount Added: 1.00 Units: mL

Report Date: 05-Mar-2025 17:39:40 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\25MAR05-01.d

Injection Date: 05-Mar-2025 10:53:14 Instrument ID: 29347

Lims ID: CCVO 1_CAL1

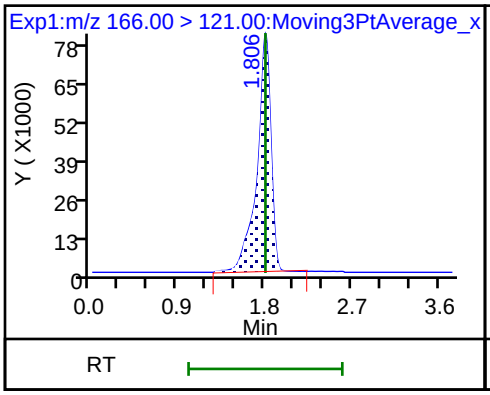
Client ID:

Operator ID: US19_USR_INS00012E ALS Bottle#: 20002 Worklist Smp#: 1

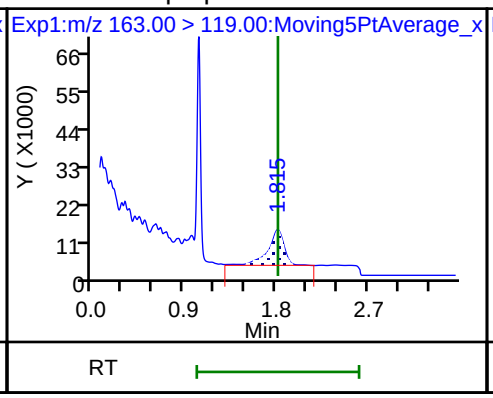
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 29347_1633Final Limit Group: LC - 1633 LVI- ICAL

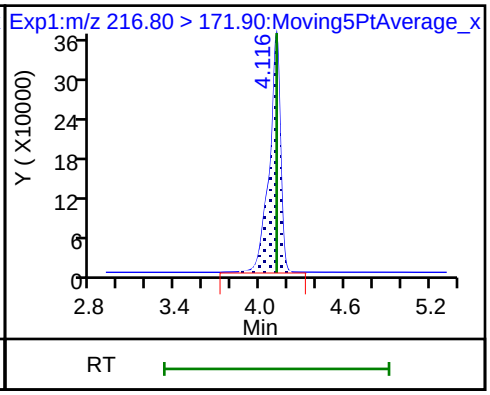
D 1 13C3PFPrA



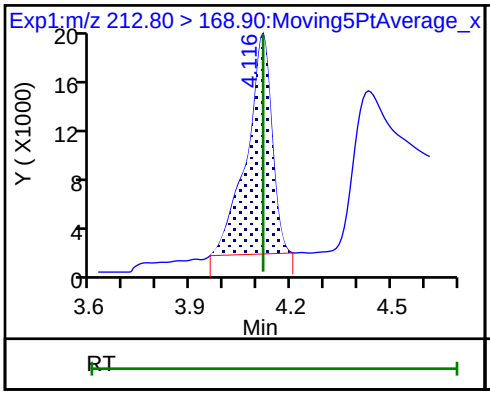
2 Perfluoropropionic acid



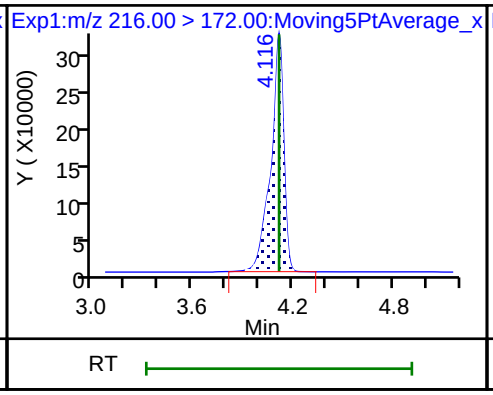
D 4 13C4-PFBA



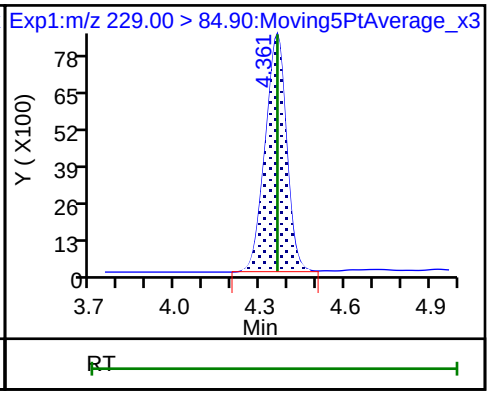
3 PFBA



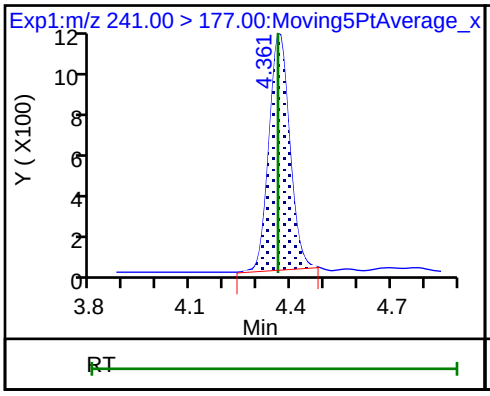
* 5 13C3PFBA



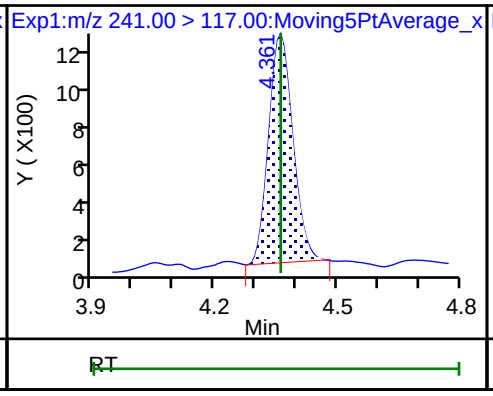
7 PFMPA



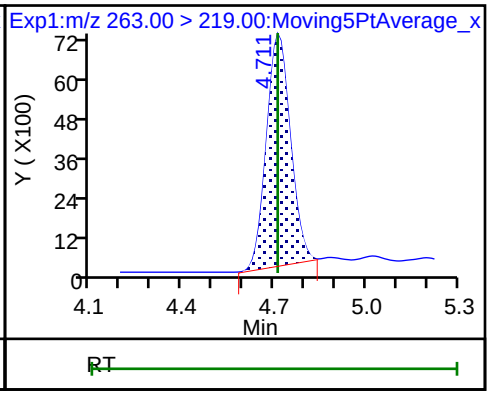
6 3:3 FTCA



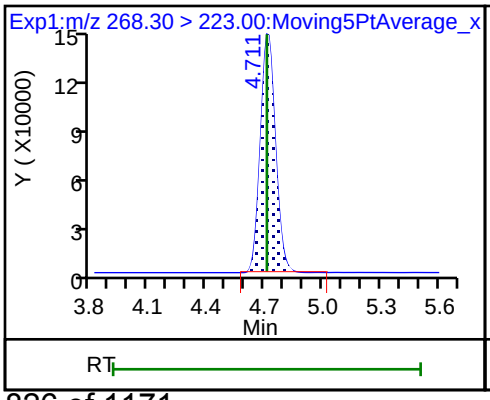
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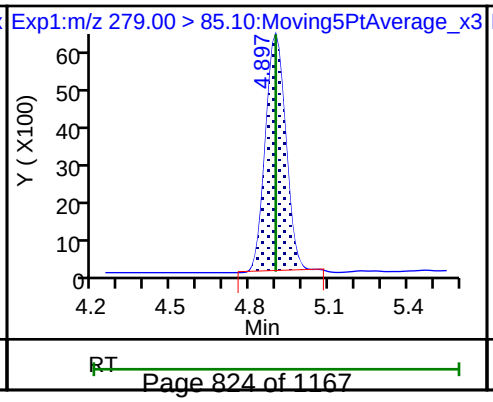
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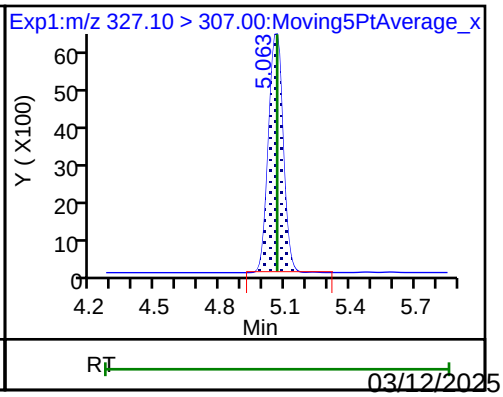
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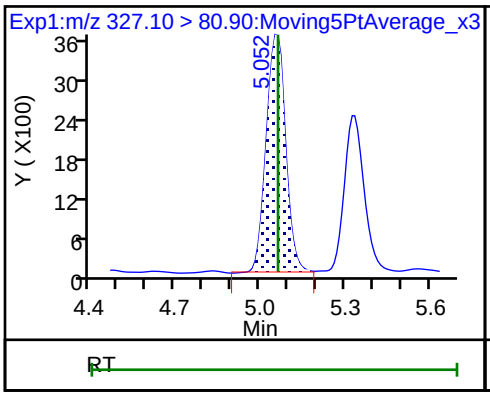
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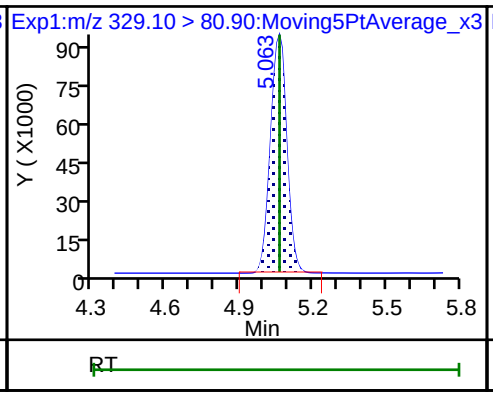
11 4:2FTS



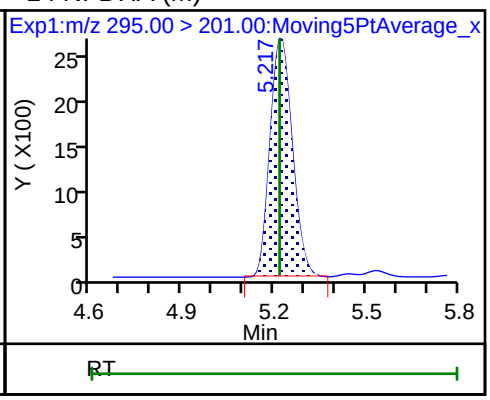
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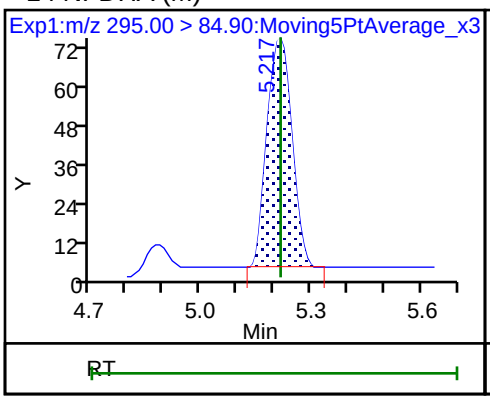
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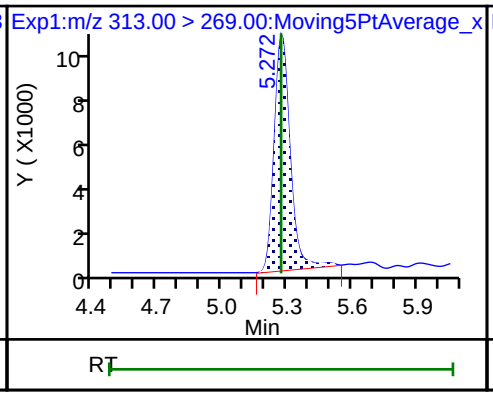
14 NFDHA (M)



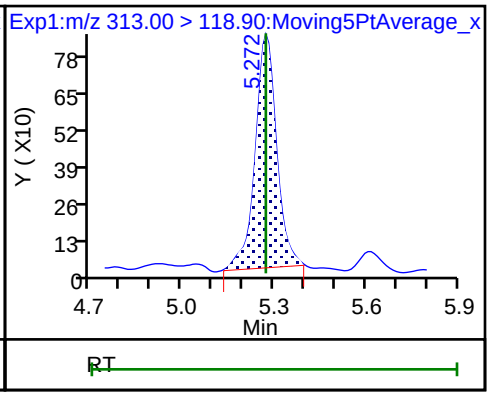
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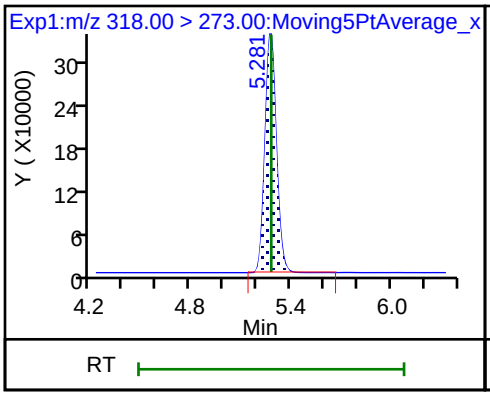
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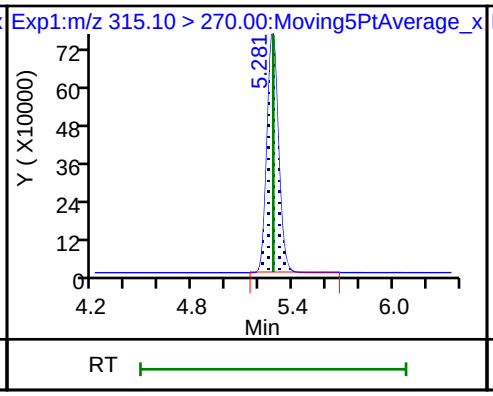
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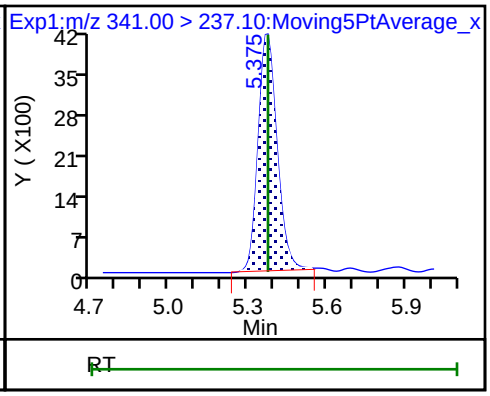
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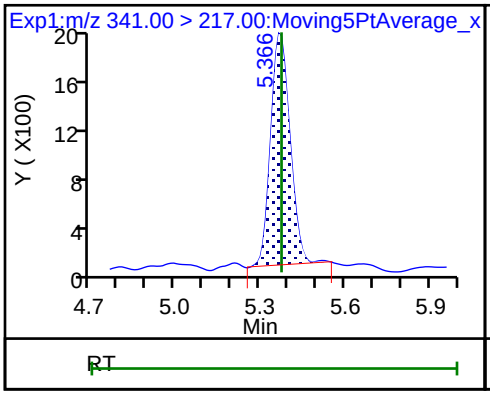
* 15 13C2 PFHxA



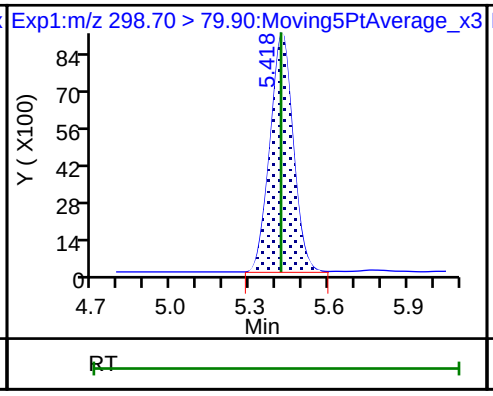
18 5:3 FTCA



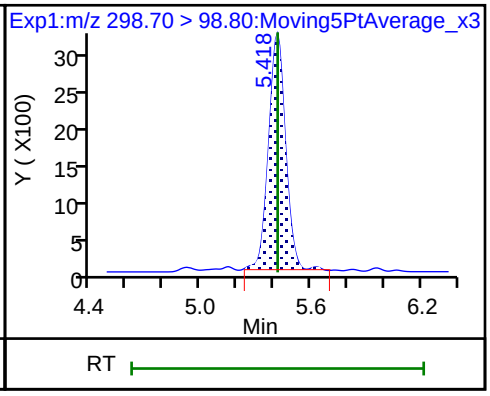
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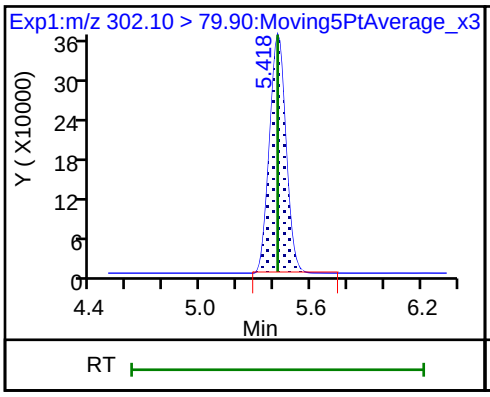
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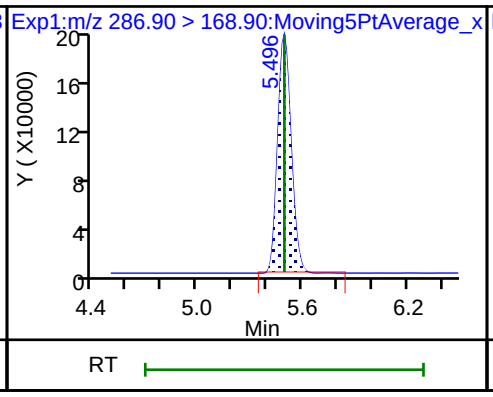
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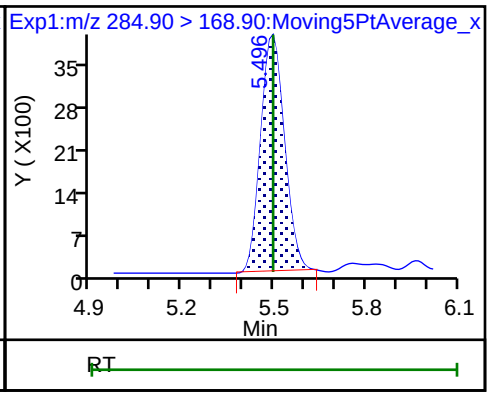
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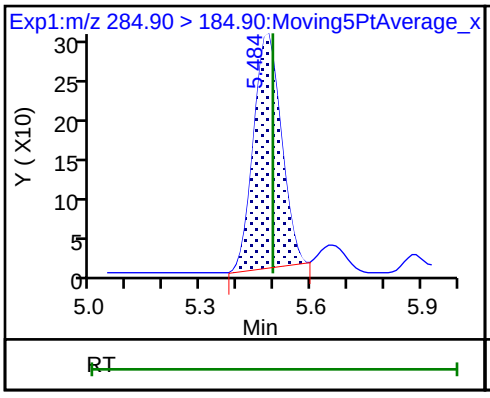
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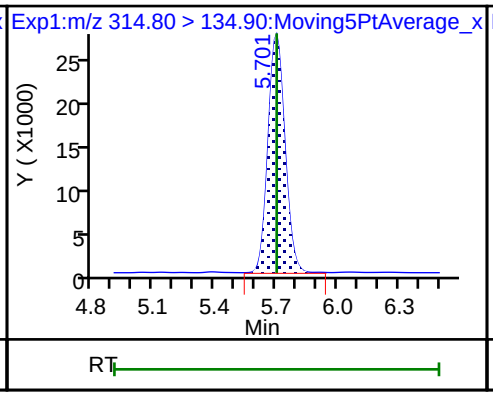
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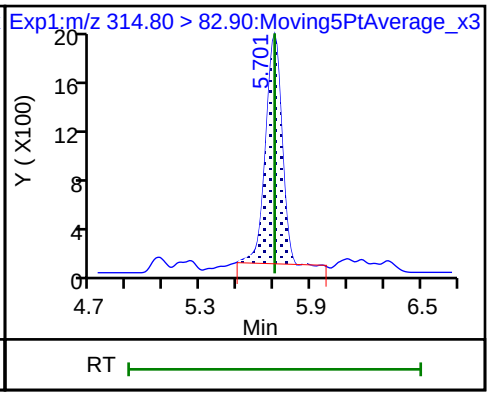
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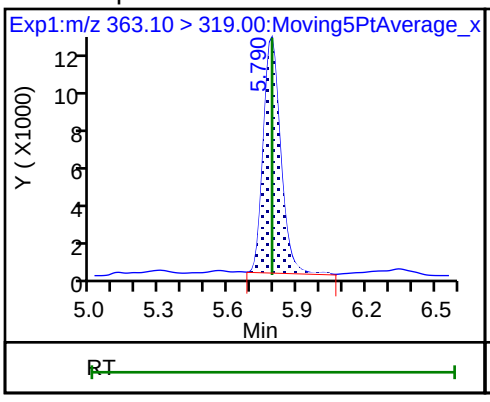
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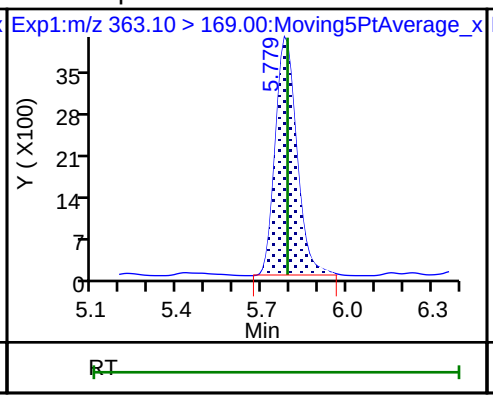
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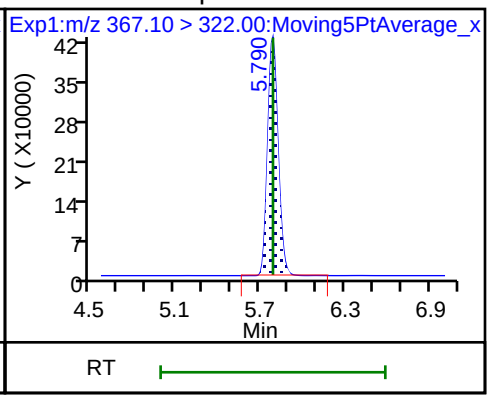
26 PFHpA



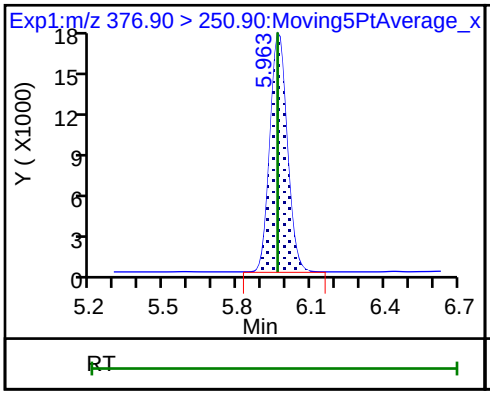
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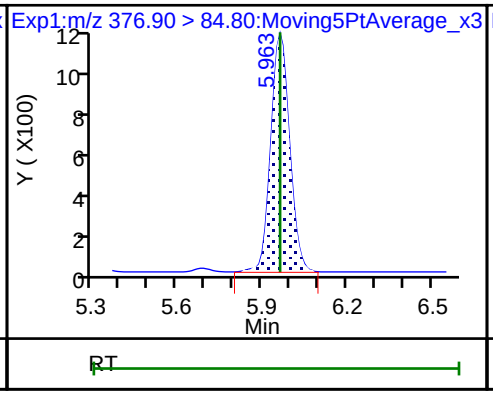
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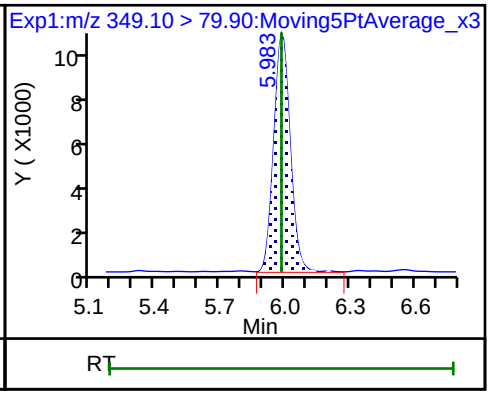
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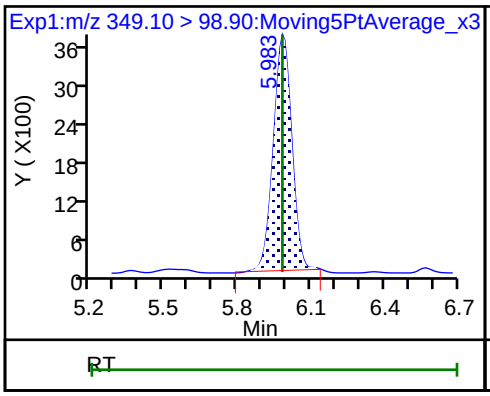
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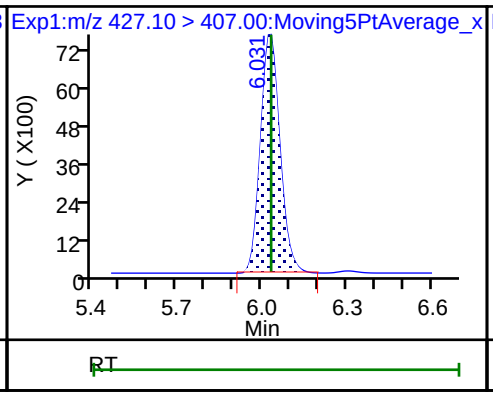
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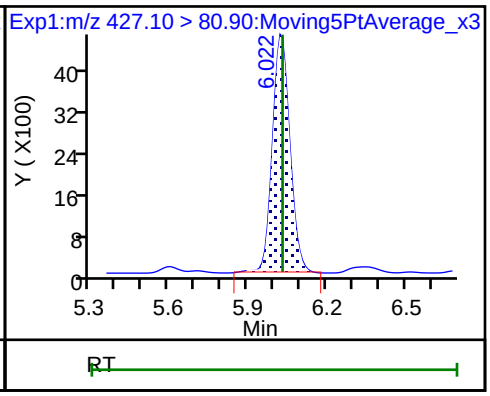
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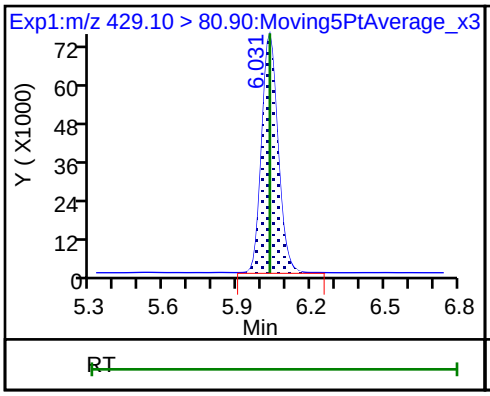
30 6:2FTS



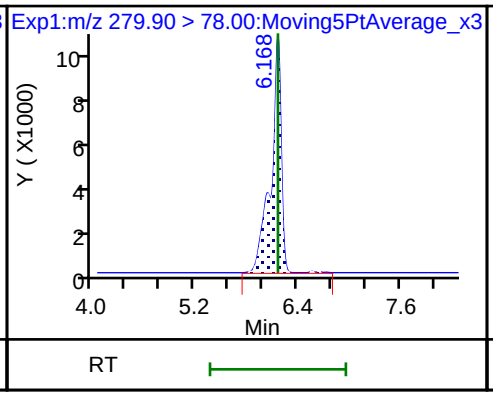
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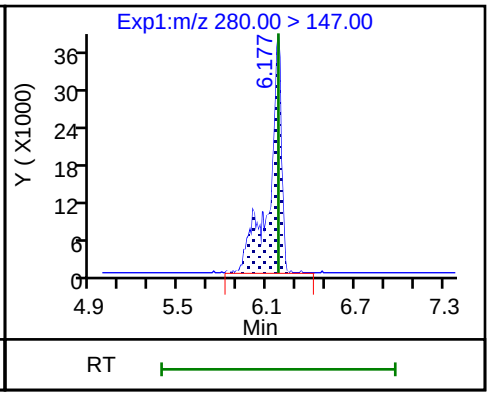
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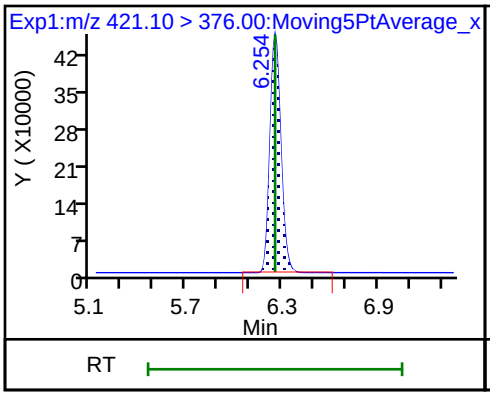
33 FBSA



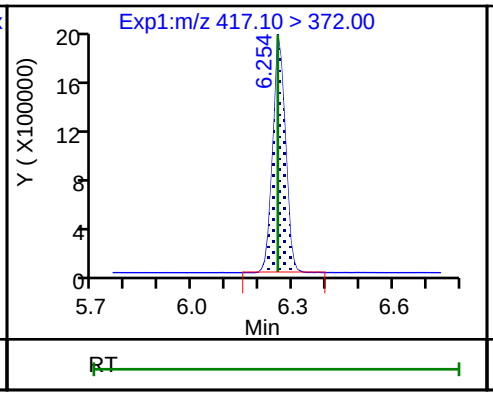
32 BTS



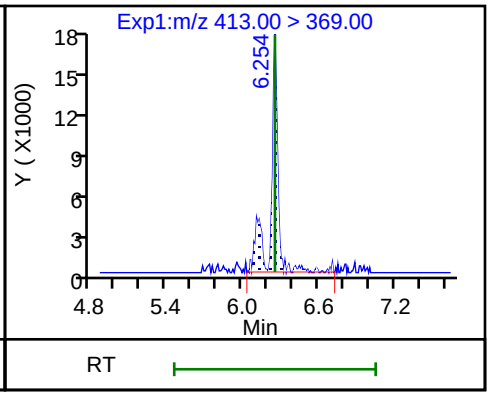
D 34 13C8 PFOA



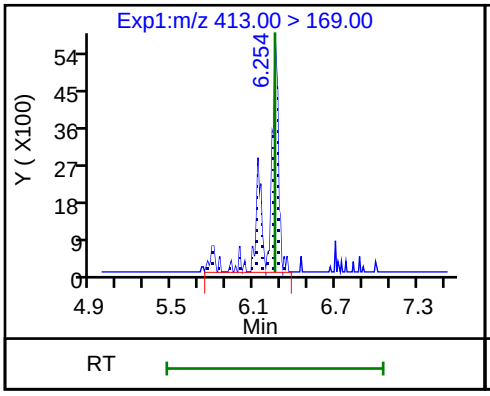
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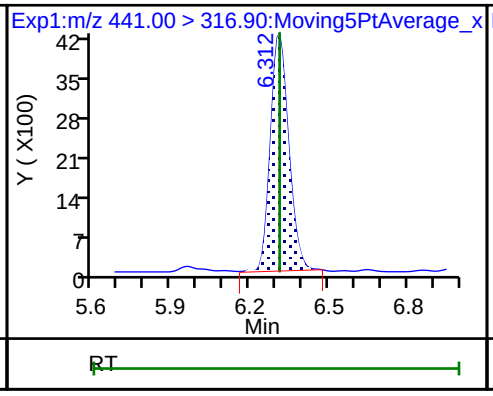
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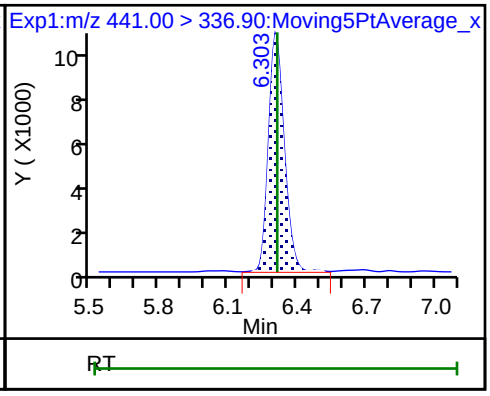
36 PFOA



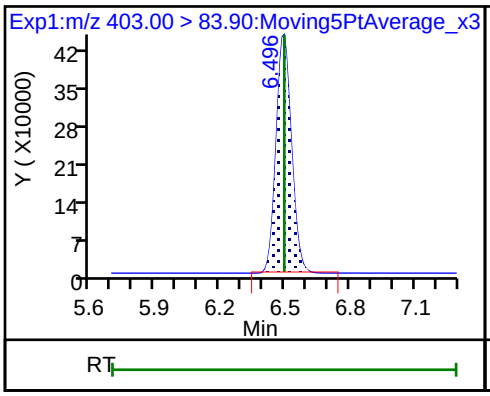
37 7:3 FTCA



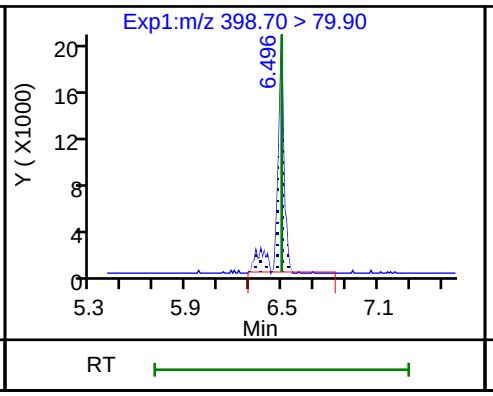
37 7:3 FTCA



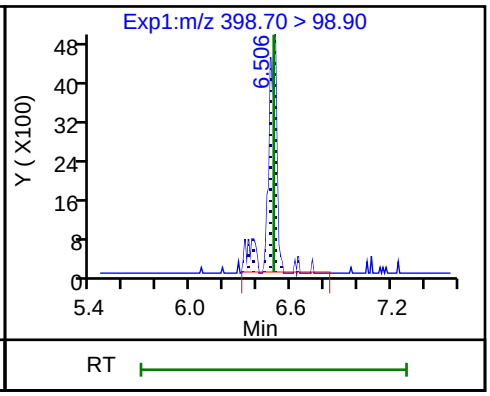
* 38 18O2 PFHxS



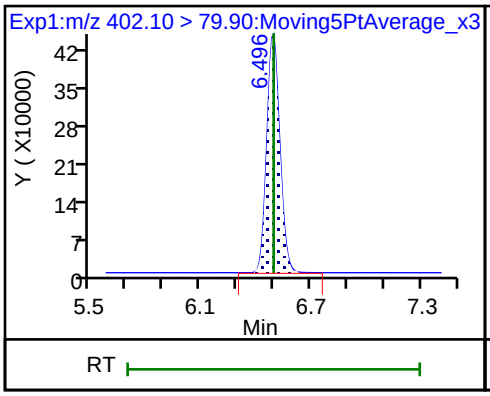
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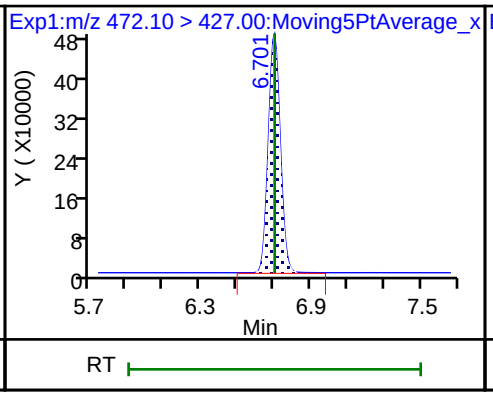
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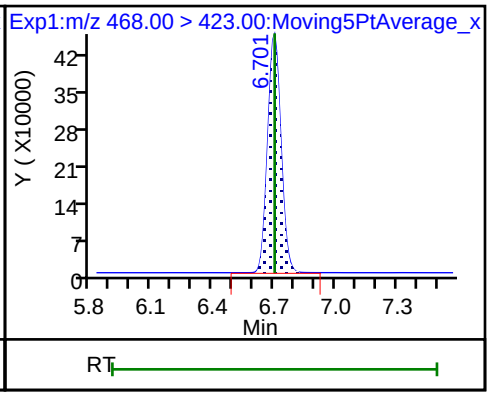
D 39 13C3 PFHxS



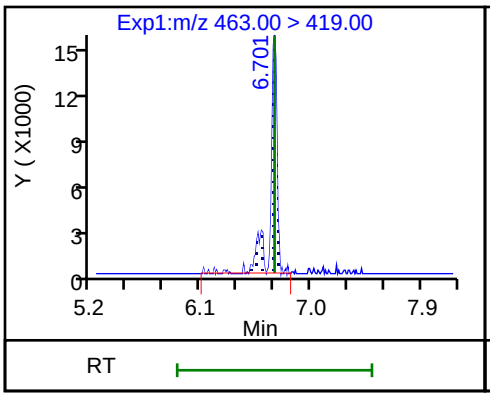
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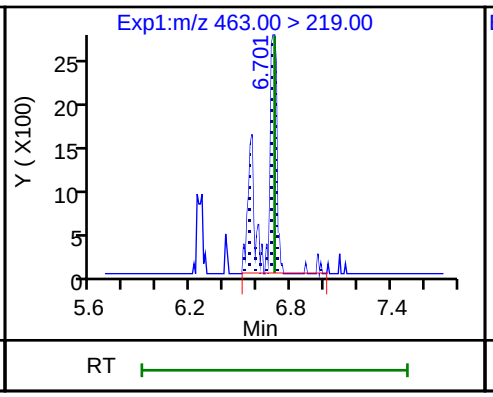
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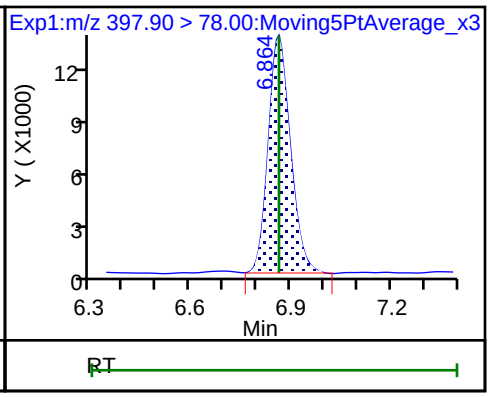
42 PFNA



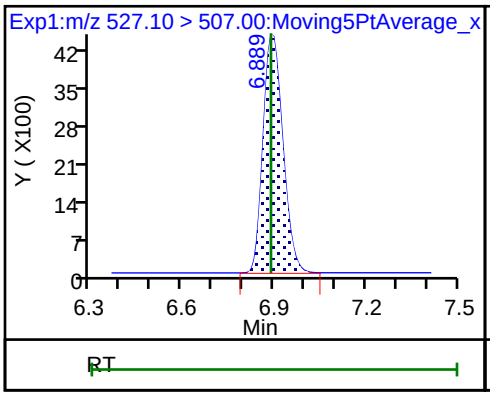
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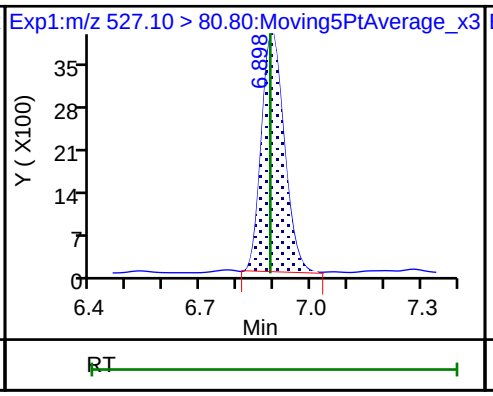
48 FHxSA



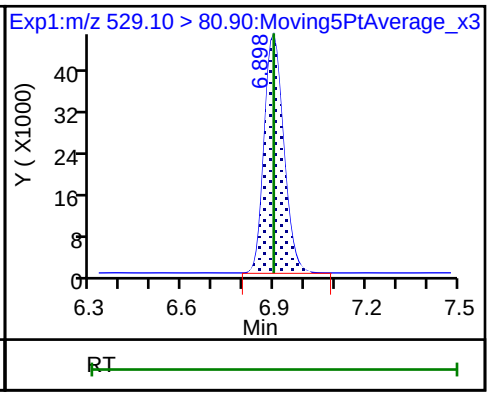
44 8:2FTS



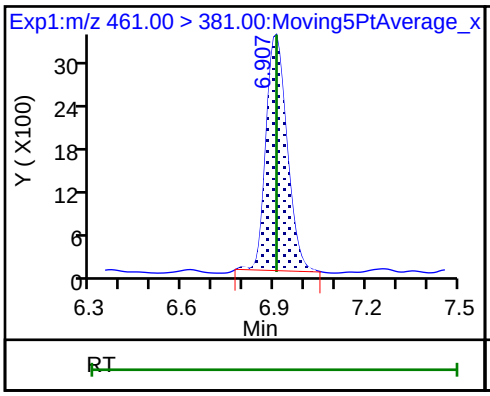
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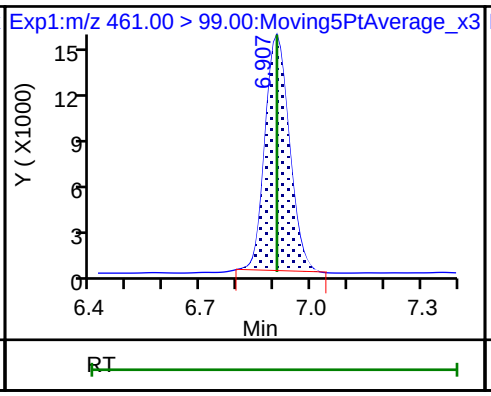
D 45 13C2-8:2FTS



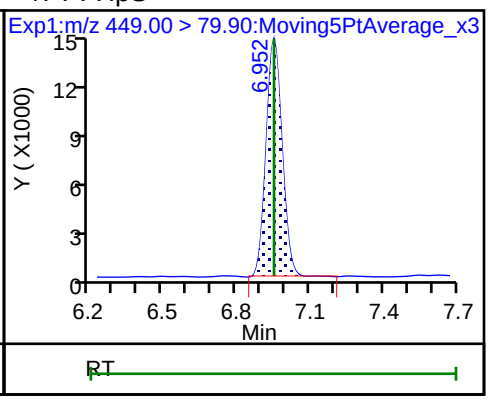
46 PFECHS



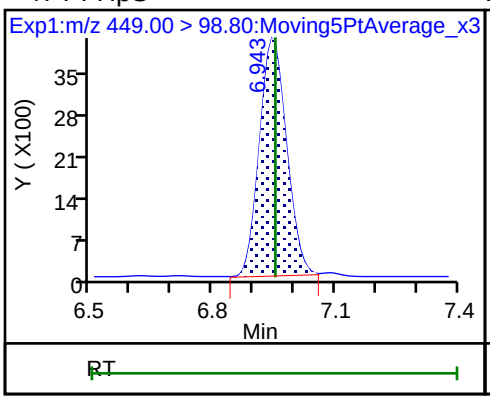
46 PFECHS



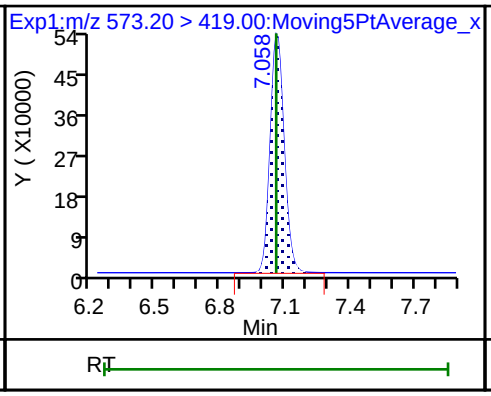
47 PFHpS



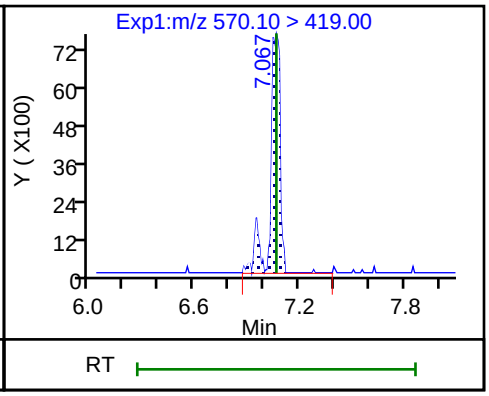
47 PFHpS



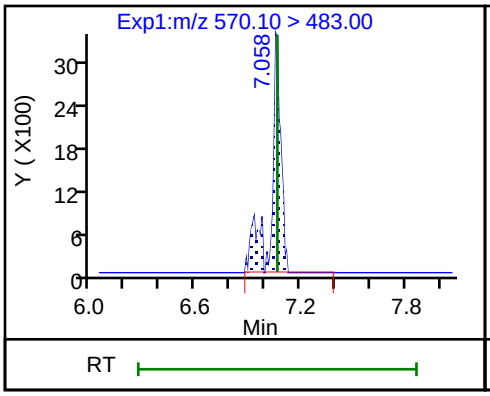
D 50 d3-NMeFOSAA



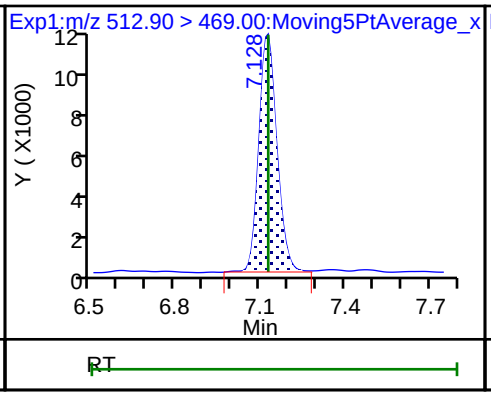
49 NMeFOSAA



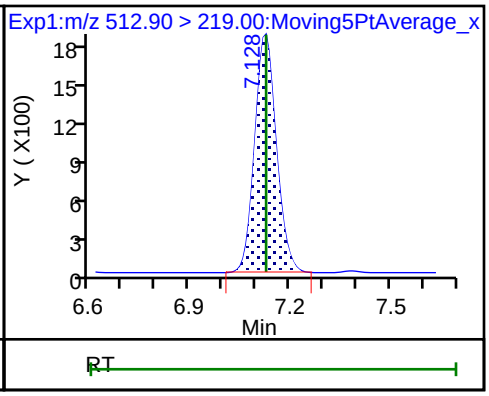
49 NMeFOSAA



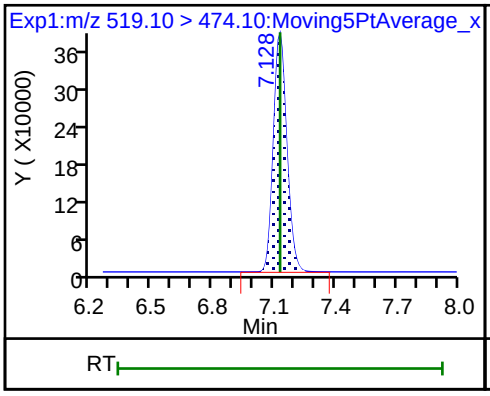
51 PFDA



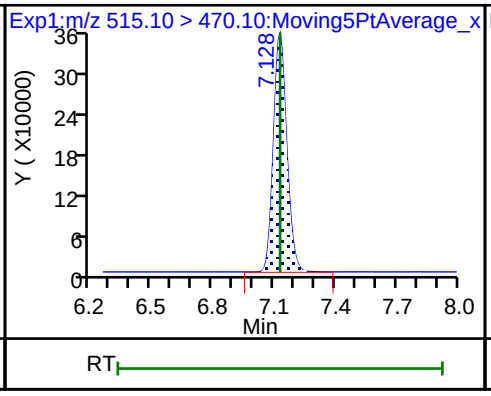
51 PFDA



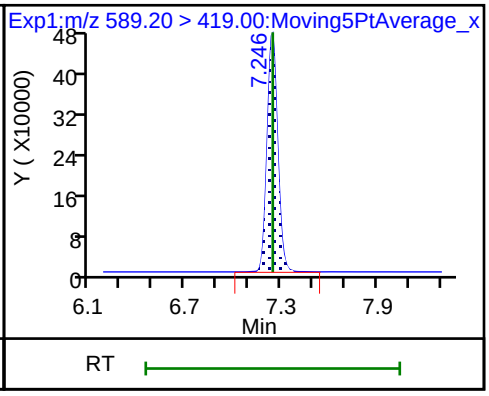
D 53 13C6 PFDA



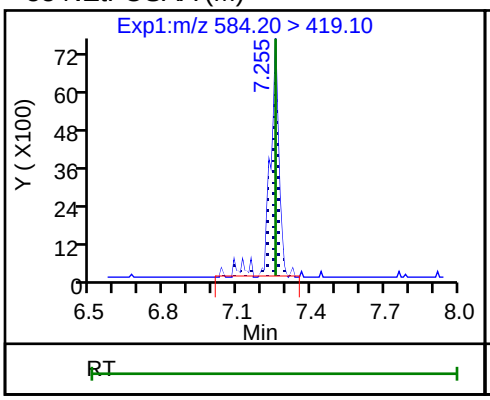
* 52 13C2 PFDA



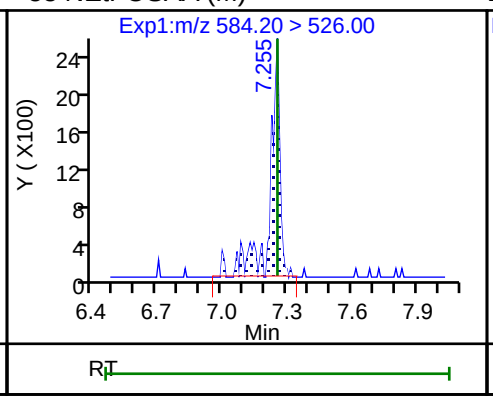
D 54 d5-NEtFOSAA



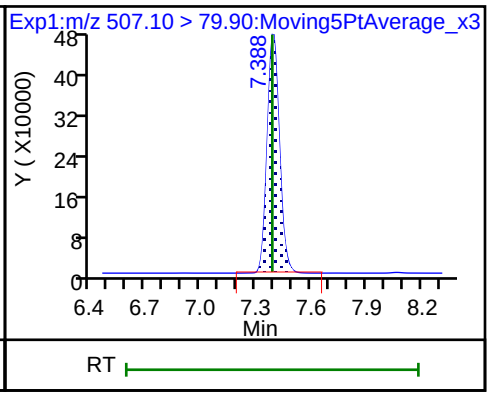
55 NEtFOSAA (M)



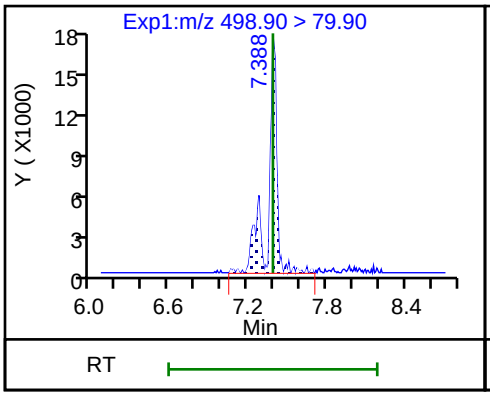
55 NEtFOSAA (M)



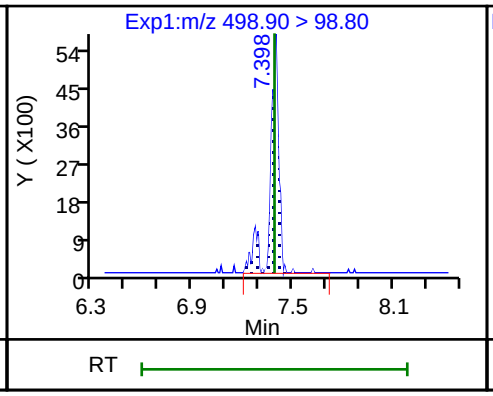
D 56 13C8 PFOS



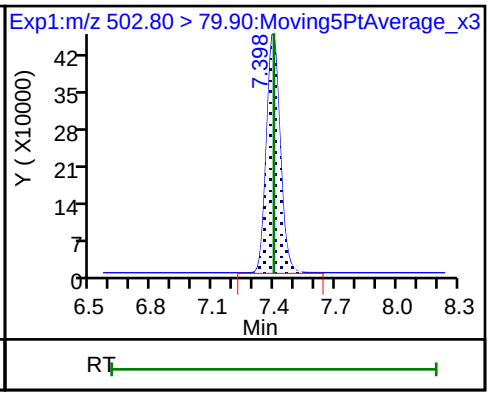
58 PFOS



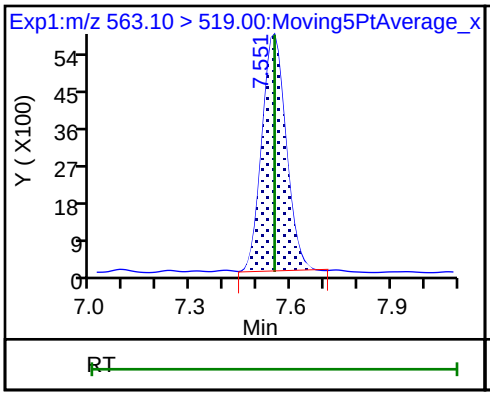
58 PFOS



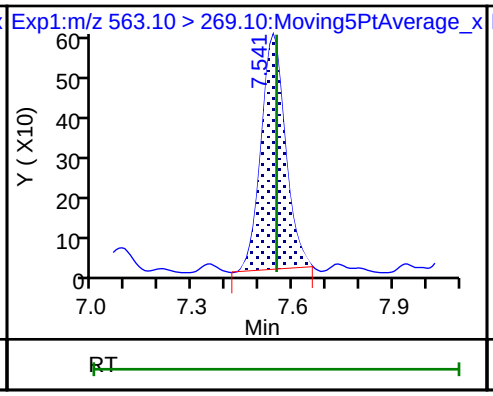
* 57 13C4 PFOS



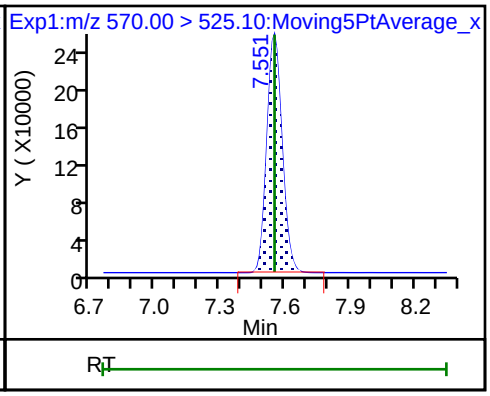
59 PFUnA



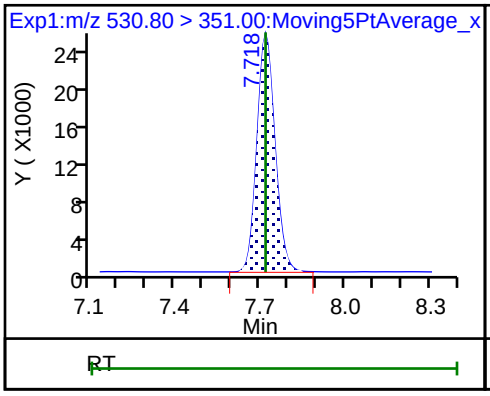
59 PFUnA



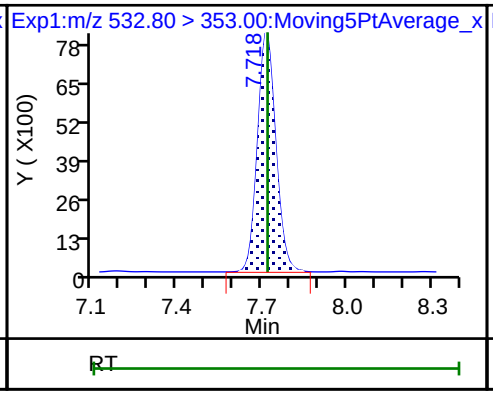
D 60 13C7 PFUnA



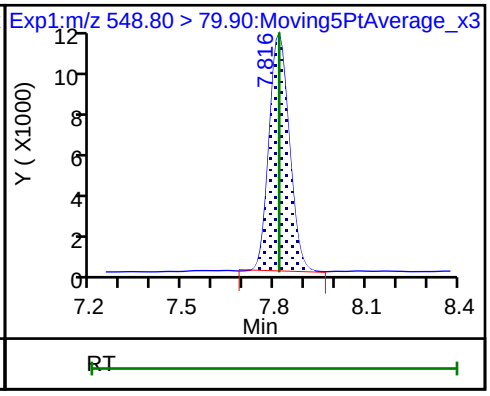
61 9ClFOS



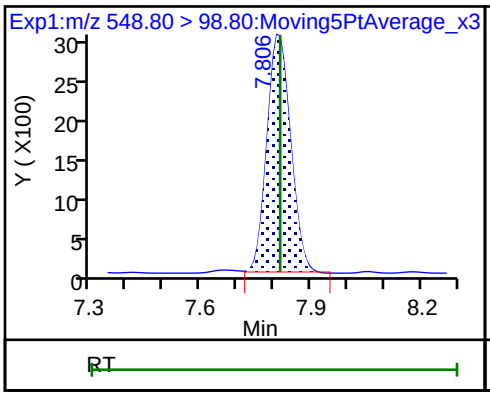
61 9ClFOS



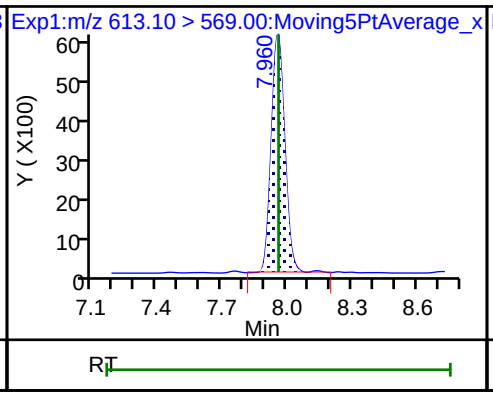
62 PFNS



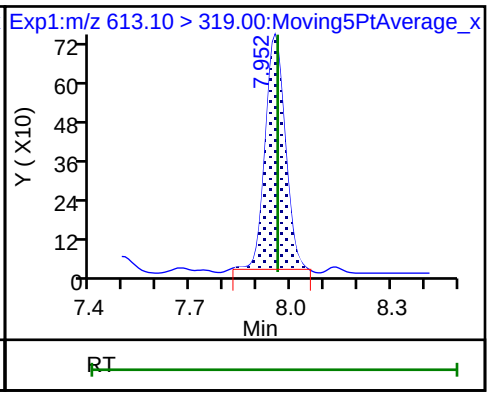
62 PFNS



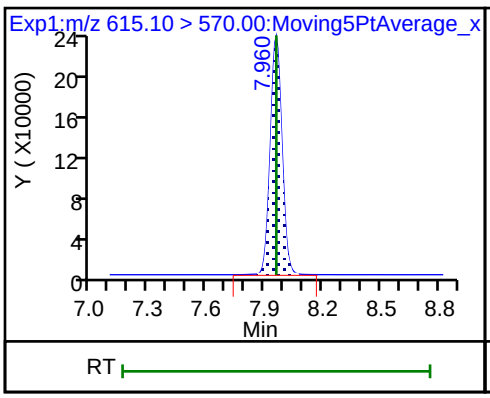
63 PFDoA



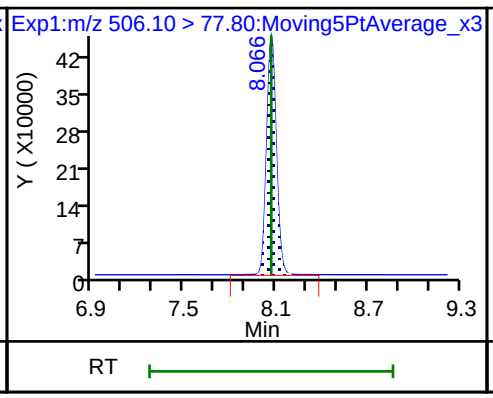
63 PFDoA



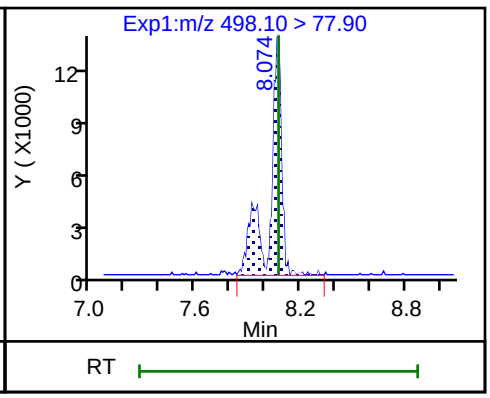
D 64 PFDoA



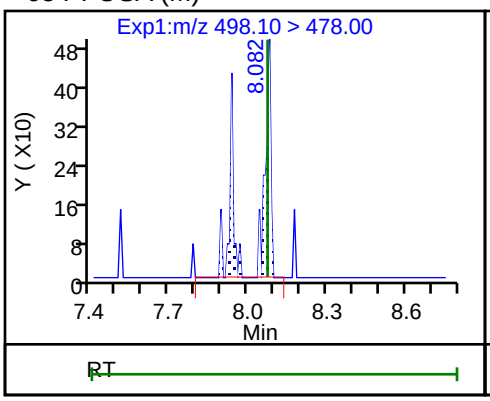
D 66 13C8 FOSA



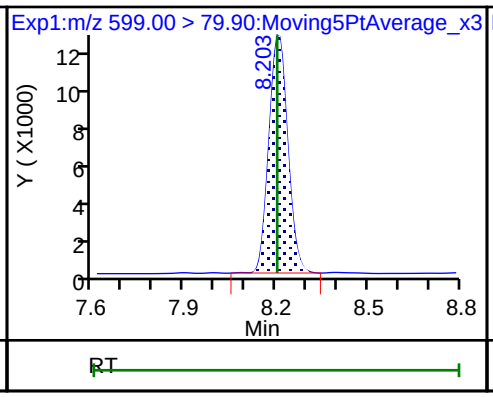
65 PFOSA



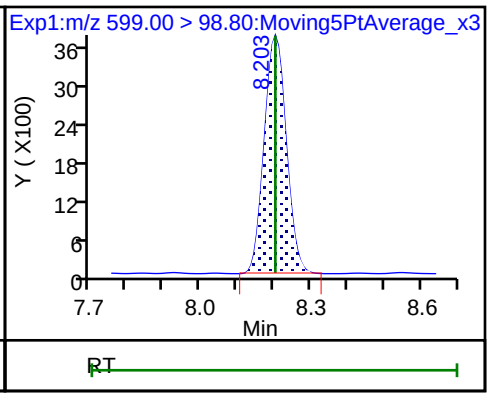
65 PFOSA (M)



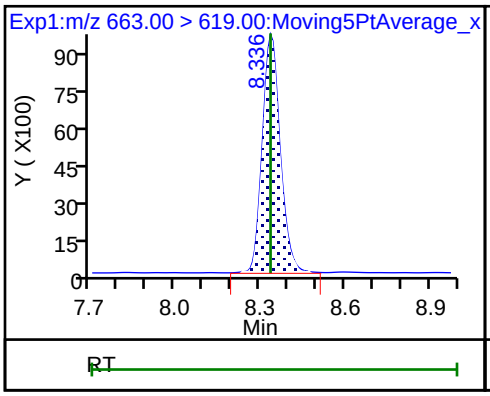
67 PFDS



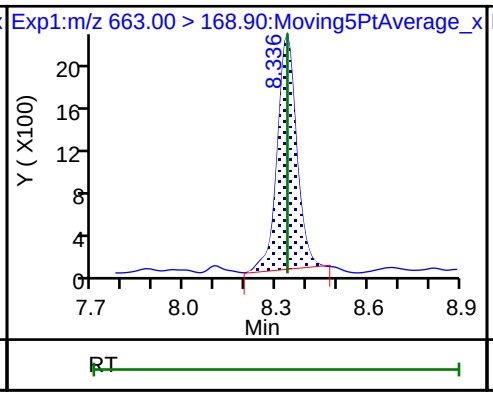
67 PFDS



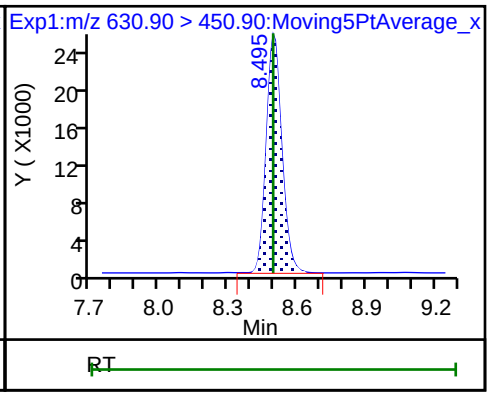
68 PFTrDA



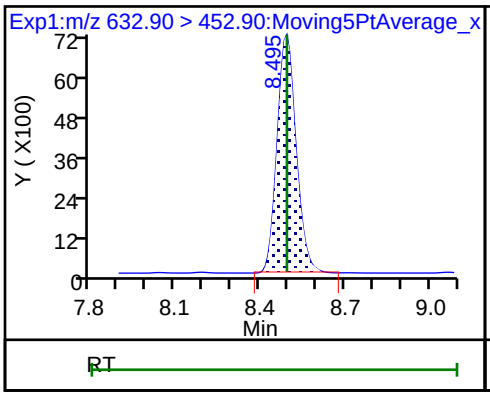
68 PFTrDA



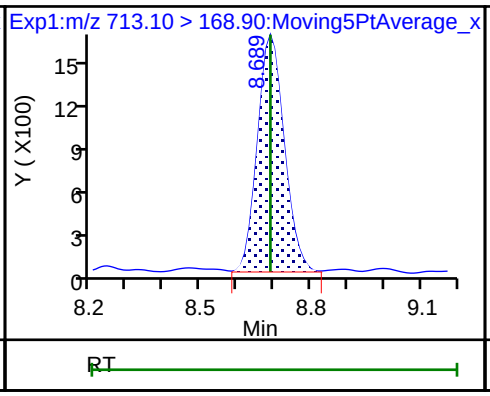
69 11ClFOS



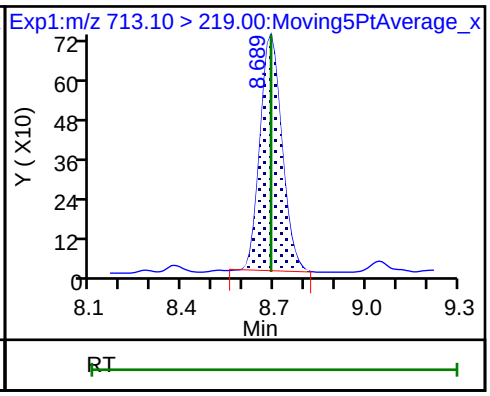
69 11ClFOS



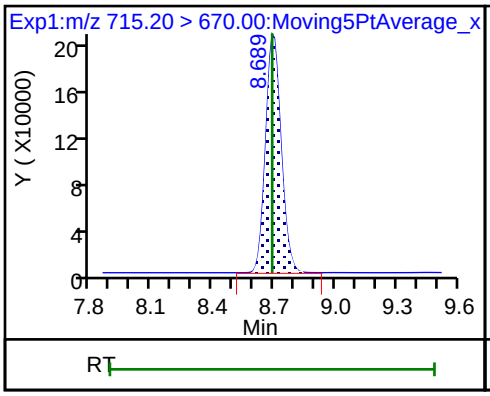
70 PFTeDA



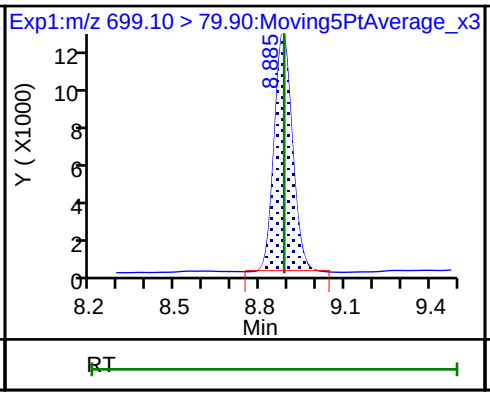
70 PFTeDA



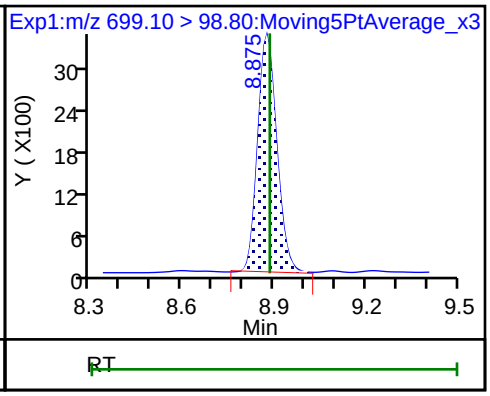
D 71 13C2 PFTeDA



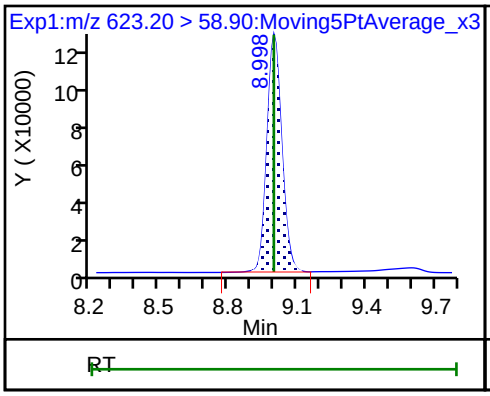
72 PFDoS



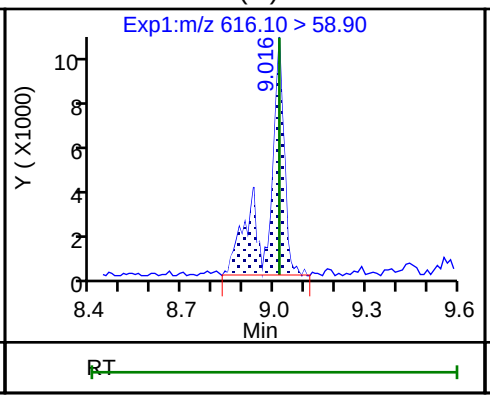
72 PFDoS



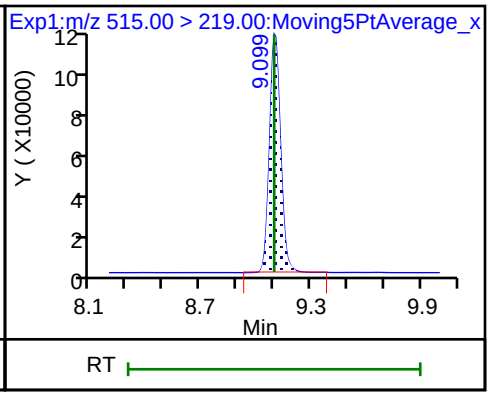
D 73 d7-N-Me-FOSE



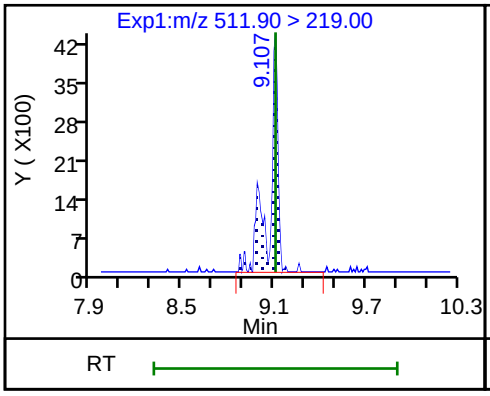
74 N-MeFOSE-M (M)



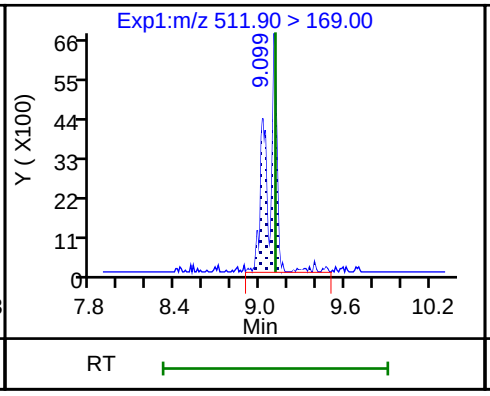
D 75 d3-NMePFOSA



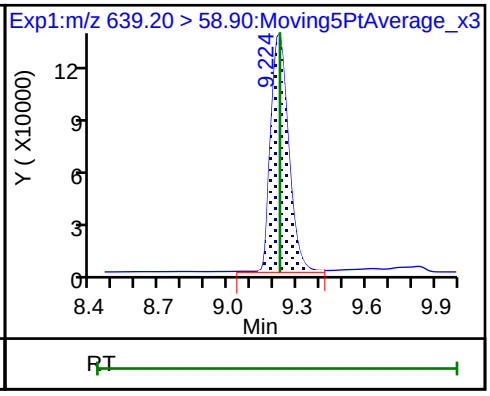
76 NMeFOSA



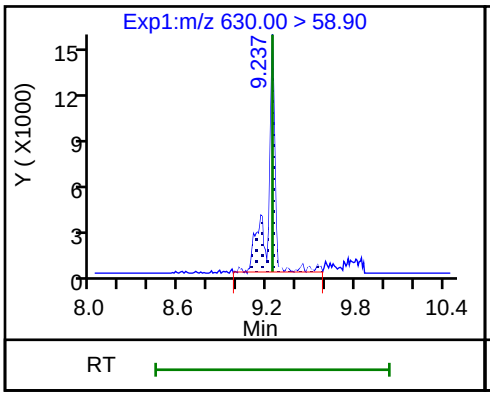
76 NMeFOSA



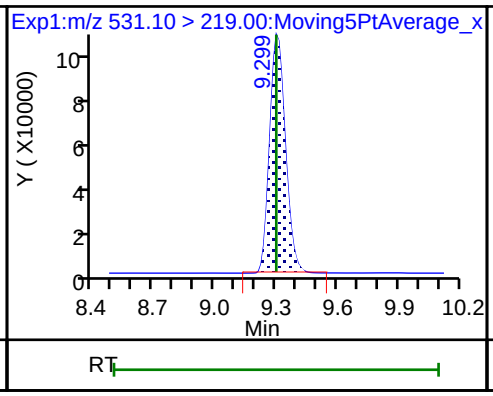
D 77 d9-N-EtFOSE



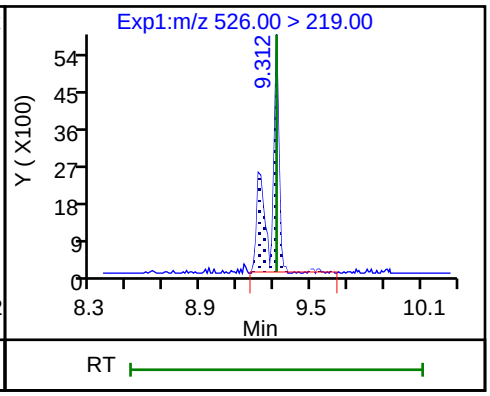
78 N-EtFOSE-M



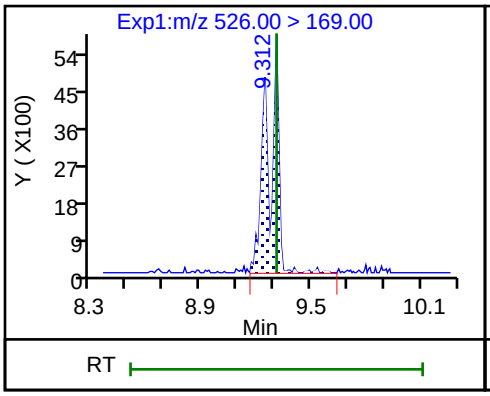
D 79 d5-NEtPFOSA



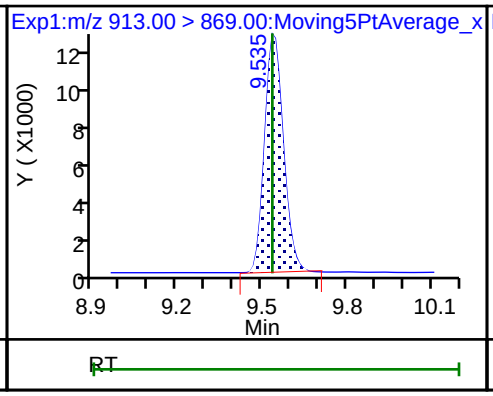
80 N-EtFOSA-M



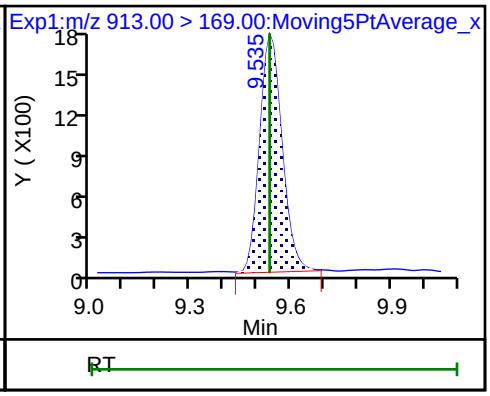
80 N-EtFOSA-M



81 Perfluorooctadecanoic acid



81 Perfluorooctadecanoic acid



FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: CCV 410-613042/165 Calibration Date: 03/06/2025 05:48

Instrument ID: 29347 Calib Start Date: 02/27/2025 15:11

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 02/27/2025 16:49

Lab File ID: 25MAR05W-76.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoropropionic acid (PFPrA)	AveID	1.049	1.010		4.81	5.00	-3.8	30.0
Perfluorobutanoic acid	AveID	0.9716	0.9062		1.87	2.00	-6.7	30.0
3:3 FTCA	L2ID		0.1158		1.80	2.00	-10.0	30.0
Perfluoro-3-methoxypropanoic acid	AveID	2.079	1.874		0.901	1.00	-9.9	30.0
Perfluoropentanoic acid	L2ID		1.627		1.01	1.00	1.1	30.0
Perfluoro(4-methoxybutanoic acid)	AveID	1.789	1.802		1.01	1.00	0.8	30.0
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	AveID	3.390	3.292		1.81	1.87	-2.9	30.0
Perfluoro-3,6-dioxaheptanoic acid	AveID	0.2548	0.2542		0.998	1.00	-0.2	30.0
Perfluorohexanoic acid	L2ID		0.996		1.04	1.00	4.4	30.0
5:3 FTCA	AveID	0.1339	0.1183		4.42	5.00	-11.6	30.0
Perfluorobutanesulfonic acid	AveID	1.092	0.8754		0.712	0.888	-19.8	30.0
HFPO-DA	AveID	1.147	1.169		0.764	0.750	1.9	30.0
PFEESA	AveID	4.386	4.152		0.844	0.892	-5.3	30.0
Perfluoroheptanoic acid	L2ID		1.073		1.04	1.00	4.5	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	3.320	3.244		0.925	0.946	-2.3	30.0
Perfluoropentanesulfonic acid	AveID	1.044	0.9577		0.862	0.940	-8.3	30.0
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	AveID	4.697	4.816		1.94	1.90	2.5	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	1.434	1.367		0.953	1.00	-4.7	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	3.662	2.800		0.749	0.979	-23.5	30.0
Perfluorooctanoic acid	L2ID		0.9128		0.994	1.00	-0.6	30.0
7:3 FTCA	L2ID		0.1031		4.79	5.00	-4.1	30.0
Perfluorohexanesulfonic acid	L2ID		0.9195		0.793	0.912	-13.1	30.0
Perfluorononanoic acid	L2ID		0.9022		1.04	1.00	4.5	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	1.037	0.9195		0.886	1.00	-11.4	30.0
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	AveID	4.323	4.646		2.06	1.92	7.5	30.0
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	AveID	0.2884	0.2595		0.831	0.924	-10.0	30.0
Perfluoroheptanesulfonic acid	AveID	1.106	1.124		0.969	0.954	1.6	30.0
NMeFOSAA	L2ID		1.055		1.00	1.00	0.3	30.0
Perfluorodecanoic acid	AveID	1.053	1.037		0.986	1.00	-1.4	30.0
NEtFOSAA	L2ID		0.8679		1.04	1.00	4.4	30.0
Perfluorooctanesulfonic acid	L2ID		1.157		0.934	0.930	0.4	30.0
Perfluoroundecanoic acid	AveID	0.8864	0.8800		0.993	1.00	-0.7	30.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	AveID	4.287	4.196		0.914	0.934	-2.1	30.0
Perfluorononanesulfonic acid	AveID	0.8930	0.8439		0.909	0.962	-5.5	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: CCV 410-613042/165 Calibration Date: 03/06/2025 05:48

Instrument ID: 29347 Calib Start Date: 02/27/2025 15:11

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 02/27/2025 16:49

Lab File ID: 25MAR05W-76.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorododecanoic acid	AveID	1.065	1.034		0.971	1.00	-2.9	30.0
Perfluorooctanesulfonamide	AveID	1.092	1.084		0.993	1.00	-0.7	30.0
Perfluorodecanesulfonic acid	AveID	0.9899	0.9103		0.886	0.964	-8.0	30.0
Perfluorotridecanoic acid	AveID	1.455	1.431		0.984	1.00	-1.6	30.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	L2ID		4.131		0.941	0.944	-0.3	30.0
Perfluorotetradecanoic acid	L2ID		0.2606		0.969	1.00	-3.1	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	1.142	1.110		0.943	0.970	-2.8	30.0
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	AveID	1.158	1.123		4.85	5.00	-3.0	30.0
NMeFOSA	L2ID		1.119		1.00	1.00	0.5	30.0
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	AveID	1.173	1.155		4.92	5.00	-1.5	30.0
N-ethylperfluoro-1-octanesulfonamide	AveID	1.209	1.189		0.984	1.00	-1.6	30.0
Perfluoro-n-octadecanoic acid (PFODA)	L2ID		1.982		0.708	1.00	-29.2	30.0
13C3 PFPrA	Ave	0.4881	0.4938		2.02	2.00	1.2	30.0
13C4 PFBA	Ave	1.146	1.108		1.93	2.00	-3.4	30.0
13C5 PFPeA	Ave	0.5164	0.5230		2.03	2.00	1.3	30.0
M2-4:2 FTS	Ave	0.0892	0.0795		4.18	4.69	-10.8	30.0
13C5 PFHxA	Ave	1.080	1.058		1.96	2.00	-2.0	30.0
13C3 PFBS	Ave	1.083	0.8414		1.45	1.86	-22.3	30.0
13C3 HFPO-DA	Ave	0.6952	0.6982		2.01	2.00	0.4	30.0
13C4 PFHpA	Ave	1.321	1.399		2.12	2.00	5.9	30.0
M2-6:2 FTS	Ave	0.0619	0.0566		4.35	4.76	-8.5	30.0
13C8 PFOA	Ave	1.014	0.9879		1.95	2.00	-2.5	30.0
13C3 PFHxS	Ave	0.9811	0.9873		1.91	1.90	0.6	30.0
13C9 PFNA	Ave	0.9777	0.996		2.04	2.00	1.9	30.0
M2-8:2 FTS	Ave	0.0388	0.0321		3.97	4.80	-17.3	30.0
d3-NMeFOSAA	Ave	0.3643	0.4274		5.87	5.00	17.3	30.0
13C6 PFDA	Ave	1.025	0.9615		1.88	2.00	-6.2	30.0
d5-NEtFOSAA	Ave	0.3133	0.3717		5.93	5.00	18.7	30.0
13C8 PFOS	Ave	0.9408	0.997		2.03	1.91	5.9	30.0
13C7 PFUnA	Ave	0.7305	0.7176		1.96	2.00	-1.8	30.0
13C2 PFDoA	Ave	0.5895	0.5684		1.93	2.00	-3.6	30.0
13C8 FOSA	Ave	0.9033	0.8893		1.97	2.00	-1.5	30.0
13C2 PFTeDA	Ave	0.6229	0.6170		1.98	2.00	-0.9	30.0
d7-N-MeFOSE-M	Ave	0.1022	0.1081		5.29	5.00	5.8	30.0
d3-NMePFOSA	Ave	0.1993	0.2229		2.24	2.00	11.8	30.0
d9-N-EtFOSE-M	Ave	0.1278	0.1385		5.42	5.00	8.4	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: CCV 410-613042/165 Calibration Date: 03/06/2025 05:48

Instrument ID: 29347 Calib Start Date: 02/27/2025 15:11

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 02/27/2025 16:49

Lab File ID: 25MAR05W-76.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d5-NEtPFOSA	Ave	0.2230	0.2481		2.23	2.00	11.3	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\25MAR05W-76.d
Lims ID: CCV 12_CAL 4
Client ID:
Sample Type: CCV
Inject. Date: 06-Mar-2025 05:48:46 ALS Bottle#: 20005 Worklist Smp#: 165
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: CCV 12_CAL 4
Misc. Info.: Plate: 1 Rack: 1 410-0139917-165
Operator ID: US19_USR_INS00012E Instrument ID: 29347
Sublist: chrom-29347_1633Final*sub1

Method: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\29347_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 06-Mar-2025 12:26:23 Calib Date: 27-Feb-2025 16:49:35
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1707

First Level Reviewer: UHW3 Date: 06-Mar-2025 12:17:39
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C3PFPrA										
166.00 > 121.00	1.807	1.806	0.001	0.438	737570	2.02		101	293	
2 Perfluoropropionic acid										
163.00 > 119.00	1.807	1.815	-0.008	1.000	1861704	4.81		96.2	7.6	
D 4 13C4-PFBA										
216.80 > 171.90	4.116	4.116	0.0	0.998	1654274	1.93		96.6	55207	
3 PFBA										
212.80 > 168.90	4.116	4.116	0.0	1.000	1499111	1.87		93.3	818	
* 5 13C3PFBA										
216.00 > 172.00	4.122	4.116	0.006		1493599	2.00			327	
7 PFMPA										
229.00 > 84.90	4.368	4.361	0.007	0.925	765545	0.9013		90.1	27898	
6 3:3 FTCA										
241.00 > 177.00	4.360	4.361	-0.001	0.924	94653	1.80	Target=1.13	90.0	6852	
241.00 > 117.00	4.360	4.361	-0.001	0.924	84759		1.12(0.56-1.69)		1691	
8 PFPA										
263.00 > 219.00	4.721	4.711	0.010	1.000	664571	1.01		101	6169	
D 9 13C5 PFPeA										
268.30 > 223.00	4.721	4.711	0.010	0.894	817140	2.03		101	25986	
10 PFMBA										
279.00 > 85.10	4.897	4.897	0.0	1.037	736371	1.01		101	23919	
11 4:2FTS										
327.10 > 307.00	5.062	5.063	-0.001	1.000	613215	1.81	Target=1.58	97.1	39679	
327.10 > 80.90	5.062	5.063	-0.001	1.000	394787		1.55(0.79-2.37)		7029	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.062	5.063	-0.001	0.780	467731	4.18		89.2	23099	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.225	5.217	0.008	0.990	210034	1.00	Target=19.85	99.8	13111	
295.00 > 84.90	5.217	5.217	0.0	0.988	10824		19.40(9.92-29.77)		650	
16 PFHxA										
313.00 > 269.00	5.271	5.272	-0.001	0.998	823225	1.04	Target=13.05	104	11860	
313.00 > 118.90	5.271	5.272	-0.001	0.998	63331		13.00(6.53-19.58)		3987	
D 17 13C5 PFHxA										
318.00 > 273.00	5.281	5.281	-0.001	1.000	1652533	1.96		98.0	77289	
* 15 13C2 PFHxA										
315.10 > 270.00	5.281	5.281	-0.001		3906115	5.00			73544	
18 5:3 FTCA										
341.00 > 237.10	5.375	5.375	0.0	1.018	488906	4.42	Target=2.86	88.4	19866	
341.00 > 217.00	5.365	5.375	-0.010	1.016	168839		2.90(1.43-4.29)		11382	
19 PFBS										
298.70 > 79.90	5.428	5.418	0.010	1.000	820398	0.7119	Target=3.09	80.2	31533	
298.70 > 98.80	5.417	5.418	-0.001	0.998	351889		2.33(1.55-4.64)		11569	
D 20 13C3 PFBS										
302.10 > 79.90	5.428	5.418	0.010	0.837	1967169	1.45		77.7	59780	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.495	5.496	-0.001	1.041	1090924	2.01		100	47266	
21 HFPO-DA										
284.90 > 168.90	5.495	5.496	-0.001	1.000	478198	0.7645	Target=15.31	102	13489	
284.90 > 184.90	5.484	5.496	-0.012	0.998	31158		15.35(7.65-22.96)		1802	
24 PFEESA										
314.80 > 134.90	5.701	5.701	0.0	1.080	3060254	0.8445	Target=13.22	94.7	143448	
314.80 > 82.90	5.701	5.701	0.0	1.080	234601		13.04(6.61-19.83)		5462	
26 PFHpA										
363.10 > 319.00	5.779	5.790	-0.011	0.998	1172884	1.04	Target=3.46	104	31125	
363.10 > 169.00	5.779	5.790	-0.011	0.998	353690		3.32(1.73-5.19)		21912	
D 27 13C4 PFHpA										
367.10 > 322.00	5.790	5.790	0.0	1.096	2185332	2.12		106	101405	
28 ADONA										
376.90 > 250.90	5.963	5.963	0.0	1.085	1674118	0.9246	Target=14.06	97.7	81979	
376.90 > 84.80	5.963	5.963	0.0	1.085	118561		14.12(7.03-21.09)		7702	
29 PFPeS										
349.10 > 79.90	5.983	5.983	0.0	0.922	1114856	0.8623	Target=2.97	91.7	45413	
349.10 > 98.90	5.983	5.983	0.0	0.922	401068		2.78(1.48-4.45)		16482	
30 6:2FTS										
427.10 > 407.00	6.022	6.031	-0.009	0.998	648248	1.94	Target=1.46	103	44986	
427.10 > 80.90	6.022	6.031	-0.009	0.998	448004		1.45(0.73-2.20)		23270	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.031	6.031	0.0	0.930	337951	4.35		91.5	23665	
33 FBSA										
279.90 > 78.00	6.168	6.168	0.0	1.136	1442845	0.9534		95.3	1849	
32 BTS										
280.00 > 147.00	6.177	6.177	0.0	0.952	3394414	0.7486		76.5	31.5	
D 34 13C8 PFOA										
421.10 > 376.00	6.254	6.254	0.0	0.998	2156652	1.95		97.5	89680	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 35 13C4 PFOA										
417.10 > 372.00	6.264	6.254	0.010		5457734	5.00			489768	
36 PFOA										
413.00 > 369.00	6.254	6.254	0.0	1.000	984328	0.99	Target=2.10	99.4	87375	
413.00 > 169.00	6.254	6.254	0.0	1.000	471612		2.09(1.05-3.15)		105619	
37 7:3 FTCA										
441.00 > 316.90	6.312	6.312	0.0	1.195	426038	4.79	Target=0.46	95.9	28697	
441.00 > 336.90	6.312	6.312	0.0	1.195	878605		0.48(0.23-0.69)		58705	
* 38 18O2 PFHxS										
403.00 > 83.90	6.486	6.496	-0.010		2373148	1.89			110946	
40 PFHxS										
398.70 > 79.90	6.496	6.496	0.0	1.001	1038517	0.7926	Target=2.96	86.9	218044	
398.70 > 98.90	6.496	6.496	0.0	1.001	346627		3.00(1.48-4.44)		459	
D 39 13C3 PFHxS										
402.10 > 79.90	6.486	6.496	-0.010	1.000	2347998	1.91		101	89445	
* 43 13C5 PFNA										
468.00 > 423.00	6.701	6.701	0.0		2239154	2.00			121091	
42 PFNA										
463.00 > 419.00	6.711	6.701	0.010	1.001	1006497	1.04	Target=5.06	104	284298	
463.00 > 219.00	6.701	6.701	0.0	1.000	187777		5.36(2.53-7.59)		15870	
D 41 13C9 PFNA										
472.10 > 427.00	6.701	6.701	0.0	1.000	2231280	2.04		102	120777	
48 FHxSA										
397.90 > 78.00	6.864	6.864	0.0	1.058	1138685	0.8864		88.6	39751	
44 8:2FTS										
527.10 > 507.00	6.898	6.889	0.009	1.000	358644	2.06	Target=1.12	107	26692	
527.10 > 80.80	6.889	6.889	0.0	0.999	310462		1.16(0.56-1.68)		23471	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.898	6.898	0.0	1.064	193385	3.97		82.7	14317	
46 PFECHS										
461.00 > 381.00	6.907	6.907	0.0	1.065	296914	0.8312	Target=0.23	90.0	20287	
461.00 > 99.00	6.907	6.907	0.0	1.065	1306148		0.23(0.11-0.34)		53925	
47 PFHpS										
449.00 > 79.90	6.953	6.952	0.001	0.941	1245257	0.9691	Target=3.51	102	65515	
449.00 > 98.80	6.944	6.952	-0.008	0.940	367510		3.39(1.75-5.26)		25863	
D 50 d3-NMeFOSAA										
573.20 > 419.00	7.059	7.058	0.001	0.955	2490436	5.87		117	111327	
49 NMeFOSAA										
570.10 > 419.00	7.076	7.067	0.009	1.002	525674	1.00	Target=2.33	100	975	
570.10 > 483.00	7.067	7.067	0.0	1.001	227097		2.31(1.16-3.49)		419	
51 PFDA										
512.90 > 469.00	7.128	7.128	0.0	1.000	900742	0.9855	Target=6.65	98.6	49650	
512.90 > 219.00	7.120	7.128	-0.008	0.999	137900		6.53(3.33-9.98)		10197	
D 53 13C6 PFDA										
519.10 > 474.10	7.128	7.128	0.0	1.000	1736688	1.88		93.8	96182	
* 52 13C2 PFDA										
515.10 > 470.10	7.128	7.128	0.0		1806304	2.00			99510	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.246	7.246	0.0	0.981	2166199	5.93		119	93684	
55 NEtFOSAA										
584.20 > 419.10	7.246	7.255	-0.009	1.000	376024	1.04	Target=2.61	104	117297	
584.20 > 526.00	7.255	7.255	0.0	1.001	134158		2.80(1.31-3.92)		297	
D 56 13C8 PFOS										
507.10 > 79.90	7.389	7.388	0.001	1.000	2221084	2.03		106	23935	
58 PFOS										
498.90 > 79.90	7.389	7.388	0.001	1.000	1249759	0.9337	Target=3.87	100	115049	
498.90 > 98.80	7.389	7.388	0.001	1.000	310590		4.02(1.93-5.80)		795	
* 57 13C4 PFOS										
502.80 > 79.90	7.389	7.398	-0.009		2228269	1.91			95649	
59 PFUnA										
563.10 > 519.00	7.551	7.551	0.0	1.000	570360	0.99	Target=6.45	99.3	29097	
563.10 > 269.10	7.541	7.551	-0.010	0.999	79745		7.15(3.23-9.68)		5416	
D 60 13C7 PFUnA										
570.00 > 525.10	7.551	7.551	0.0	1.059	1296260	1.96		98.2	87765	
61 9ClFOS										
530.80 > 351.00	7.719	7.718	0.001	1.405	2137682	0.9141	Target=3.27	97.9	157345	
532.80 > 353.00	7.710	7.718	-0.008	1.403	663827		3.22(1.64-4.91)		48676	
62 PFNS										
548.80 > 79.90	7.816	7.816	0.0	1.058	943075	0.9091	Target=3.46	94.5	50923	
548.80 > 98.80	7.807	7.816	-0.009	1.057	265260		3.56(1.73-5.19)		19287	
63 PFDoA										
613.10 > 569.00	7.953	7.960	-0.007		531025	0.9710	Target=8.39	97.1	42182	
613.10 > 319.00	7.953	7.960	-0.007		66982		7.93(4.19-12.58)		5470	
D 64 PFDoA										
615.10 > 570.00	7.960	7.960	0.0	1.117	1026755	1.93		96.4	81276	
D 66 13C8 FOSA										
506.10 > 77.80	8.082	8.066	0.016	1.094	2072780	1.97		98.5	77691	
65 PFOSA										
498.10 > 77.90	8.082	8.074	0.008	1.000	1123266	0.99	Target=55.40	99.3	1920	
498.10 > 478.00	8.067	8.074	-0.007	0.998	22172		50.66(27.70-83.10)		31.7	
67 PFDS										
599.00 > 79.90	8.203	8.203	0.0	1.110	1019334	0.8864	Target=3.75	92.0	60233	
599.00 > 98.80	8.203	8.203	0.0	1.110	270381		3.77(1.87-5.62)		21099	
68 PFTrDA										
663.00 > 619.00	8.337	8.336	0.001	0.959	766233	0.9839	Target=4.52	98.4	43840	
663.00 > 168.90	8.337	8.336	0.001	0.959	167673		4.57(2.26-6.78)		9770	
69 11ClFOS										
630.90 > 450.90	8.495	8.495	0.001	1.546	2127049	0.9415	Target=3.74	99.7	112769	
632.90 > 452.90	8.495	8.495	0.001	1.546	563359		3.78(1.87-5.61)		39474	
70 PFTeDA										
713.10 > 168.90	8.691	8.689	0.002	1.000	145234	0.9691	Target=1.81	96.9	9233	
713.10 > 219.00	8.691	8.689	0.002	1.000	87435		1.66(0.91-2.72)		5519	
D 71 13C2 PFTeDA										
715.20 > 670.00	8.691	8.689	0.002	1.219	1114526	1.98		99.1	53263	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
72 PFDoS										
699.10 > 79.90	8.877	8.885	-0.008	1.201	1251047	0.9428	Target=4.23	97.2	31281	
699.10 > 98.80	8.877	8.885	-0.008	1.201	268108		4.67(2.12-6.35)		20031	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.009	8.998	0.011	1.219	629994	5.29		106	5148	
74 N-MeFOSE-M										
616.10 > 58.90	9.018	9.016	0.002	1.001	707633	4.85		97.0	99771	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.110	9.099	0.011	1.233	519489	2.24		112	41388	
76 NMeFOSA										
511.90 > 219.00	9.110	9.107	0.003	1.000	290729	1.00	Target=0.56	100	870	
511.90 > 169.00	9.110	9.107	0.003	1.000	506248		0.57(0.28-0.85)		1601	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.226	9.224	0.002	1.249	806827	5.42		108	3081	
78 N-EtFOSE-M										
630.00 > 58.90	9.239	9.237	0.002	1.001	932132	4.92		98.5	271264	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.314	9.299	0.015	1.261	578371	2.23		111	21405	
80 N-EtFOSA-M										
526.00 > 219.00	9.314	9.312	0.002	1.000	343948	0.9839	Target=0.74	98.4	1277	
526.00 > 169.00	9.314	9.312	0.002	1.000	456632		0.75(0.37-1.11)		1456	
81 Perfluorooctadecanoic acid										
913.00 > 869.00	9.538	9.535	0.003	1.097	1104444	0.7082	Target=7.31	70.8	39587	
913.00 > 169.00	9.527	9.535	-0.008	1.096	151606		7.28(3.65-10.96)		8113	

QC Flag Legend

Processing Flags

Reagents:

1633_125_CAL4_00033 Amount Added: 1.00 Units: mL

Report Date: 06-Mar-2025 12:26:24 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\25MAR05W-76.d

Injection Date: 06-Mar-2025 05:48:46 Instrument ID: 29347

Lims ID: CCV 12_CAL 4

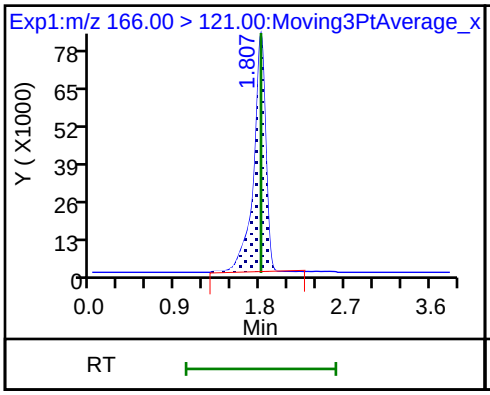
Client ID:

Operator ID: US19_USR_INS00012E ALS Bottle#: 20005 Worklist Smp#: 165

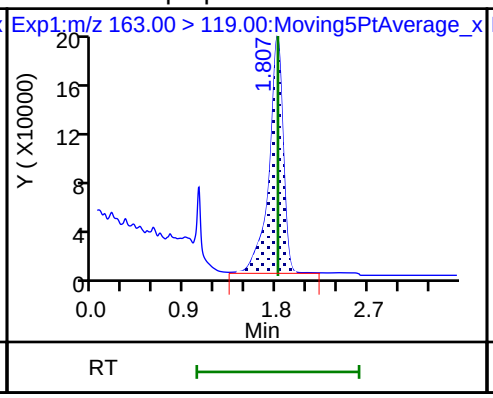
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 29347_1633Final Limit Group: LC - 1633 LVI- ICAL

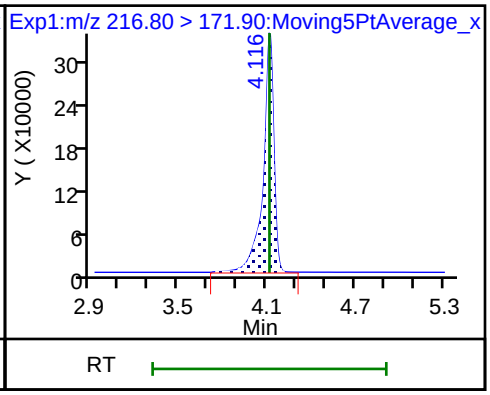
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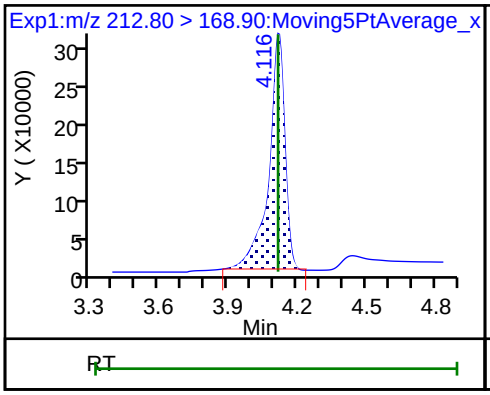
2 Perfluoropropionic acid



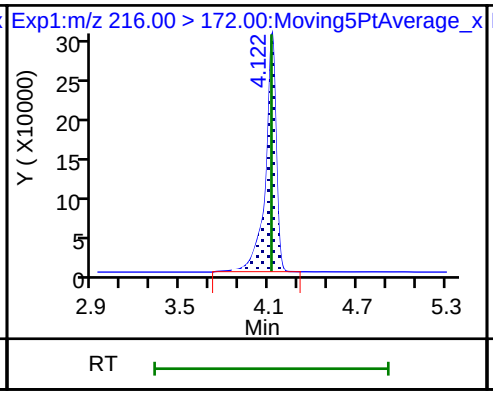
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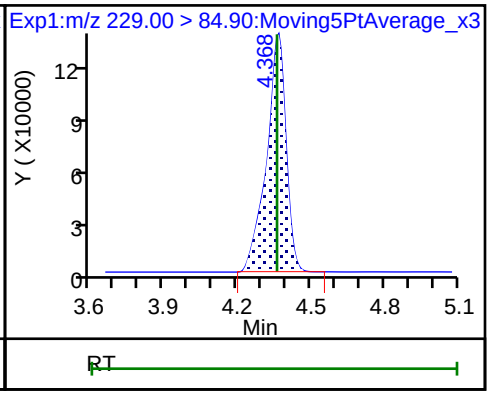
3 PFBA



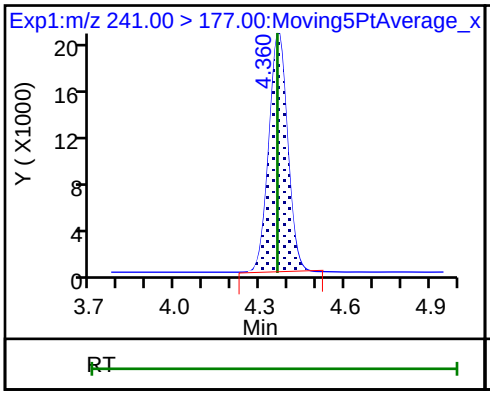
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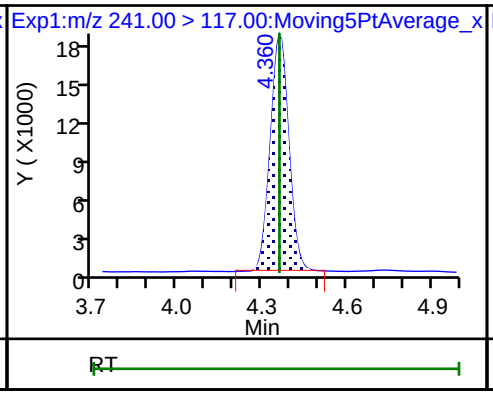
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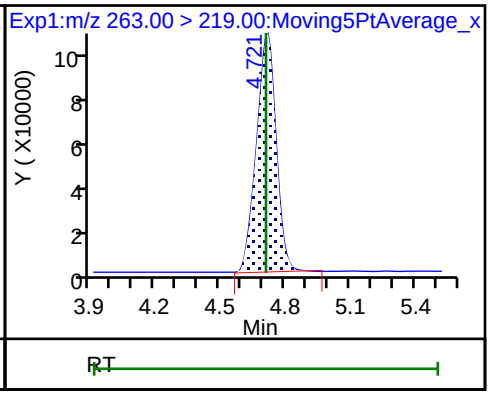
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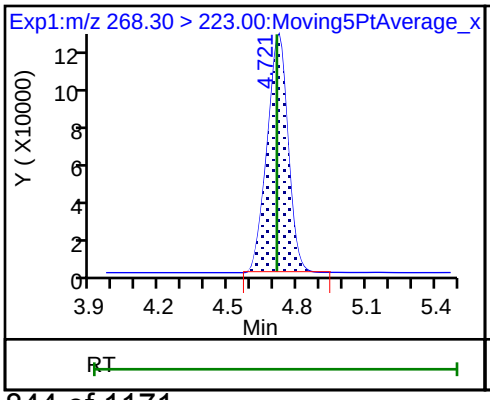
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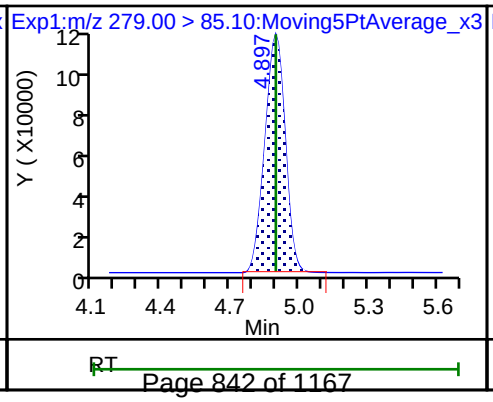
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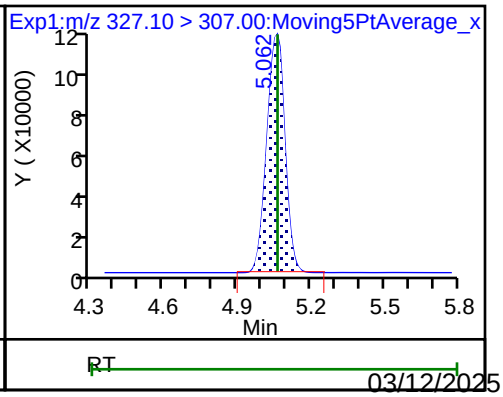
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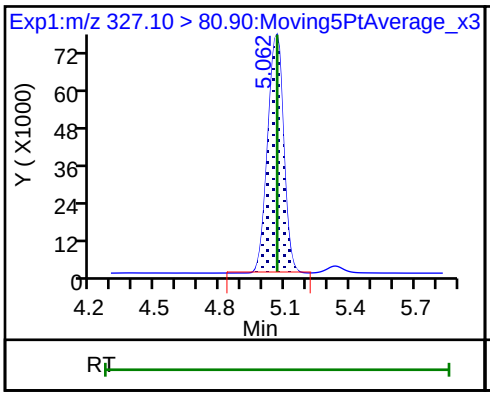
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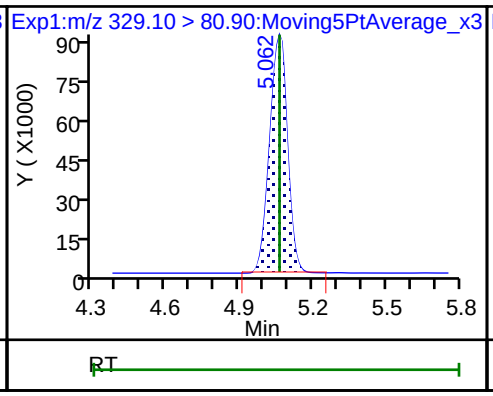
11 4:2FTS



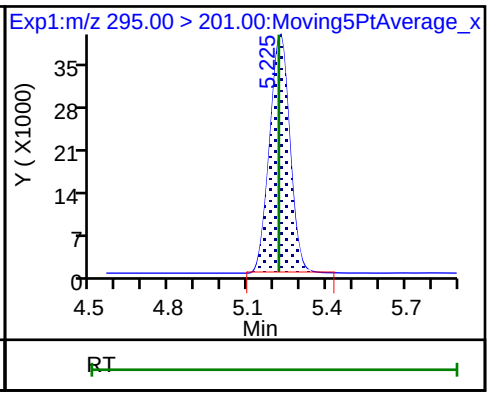
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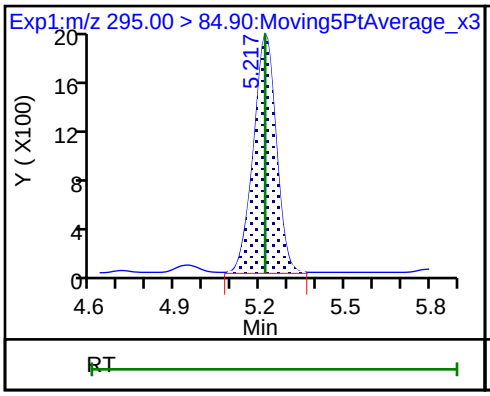
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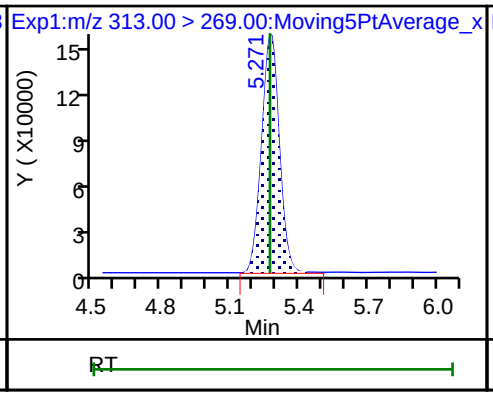
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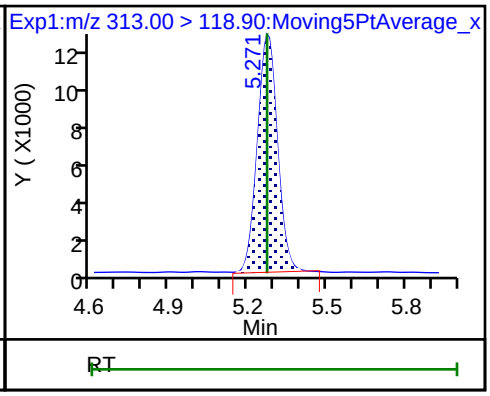
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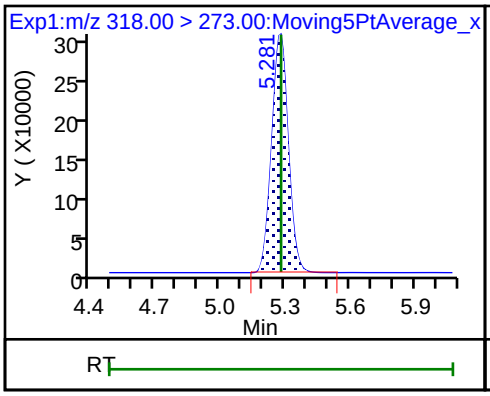
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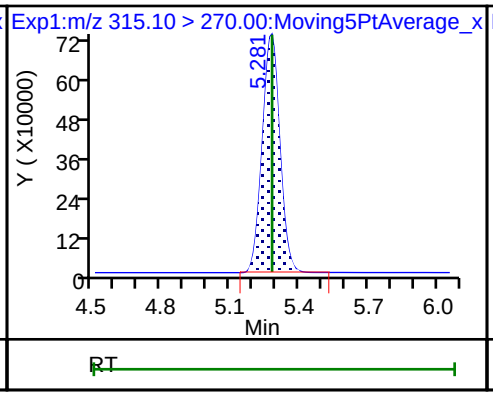
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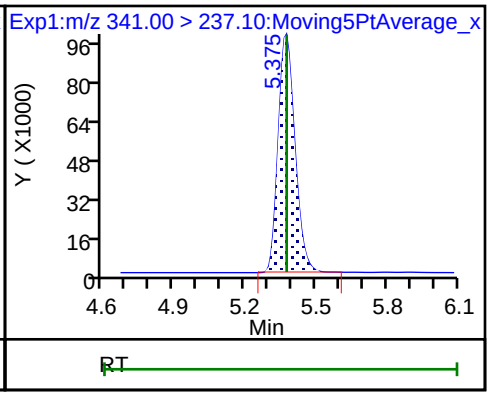
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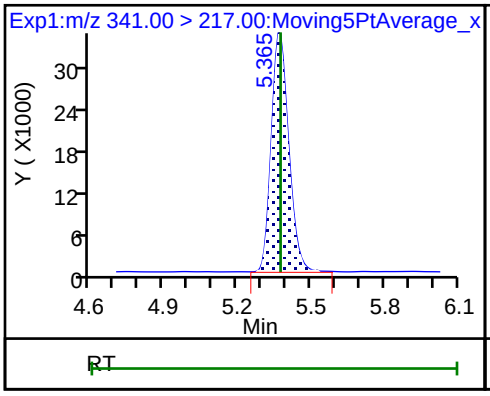
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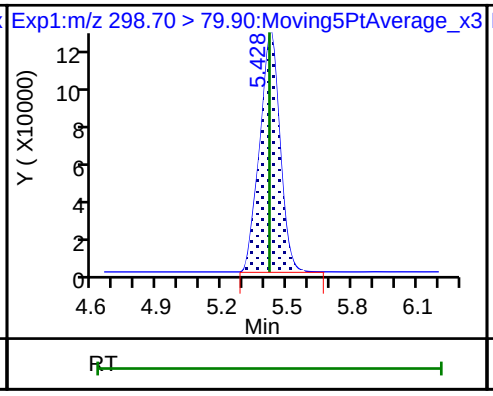
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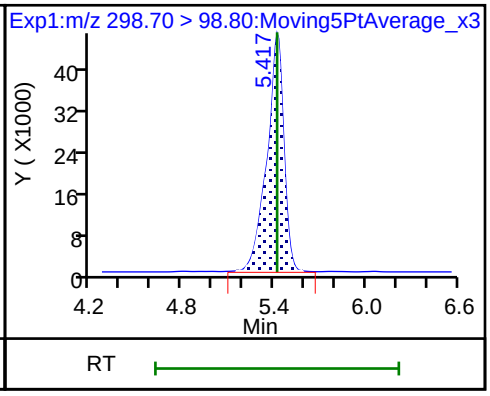
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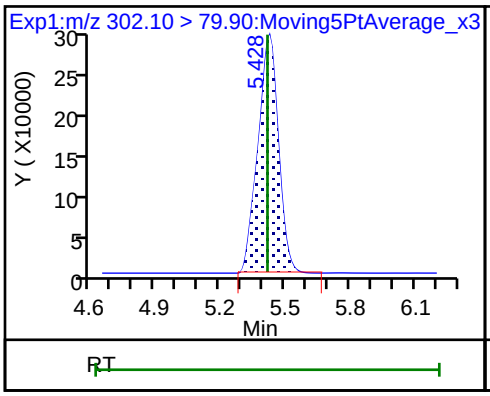
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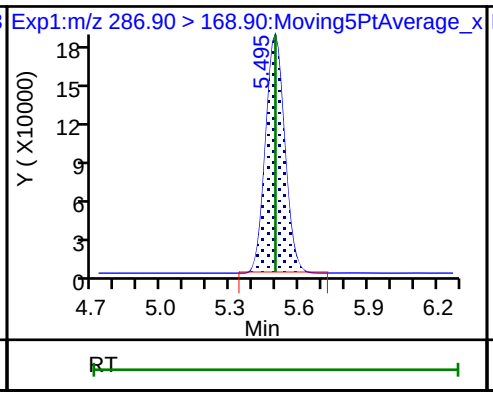
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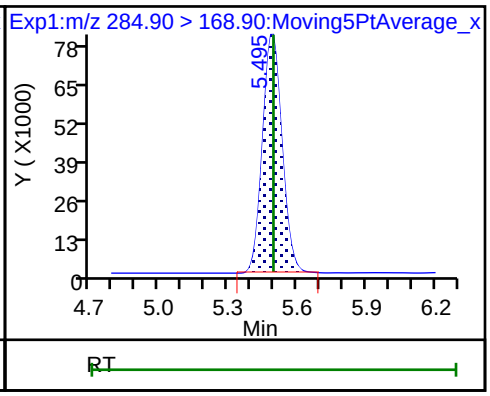
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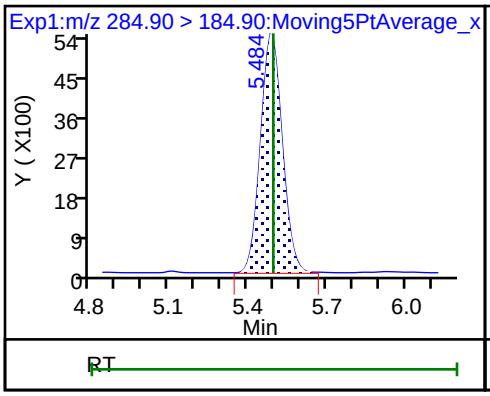
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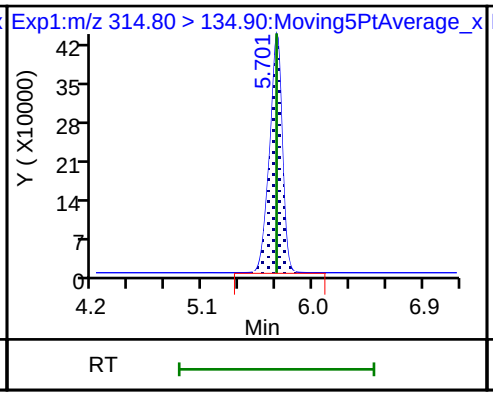
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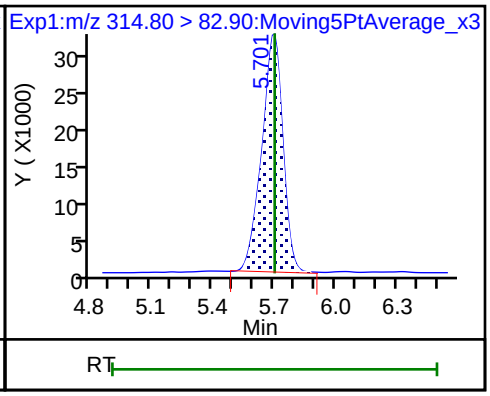
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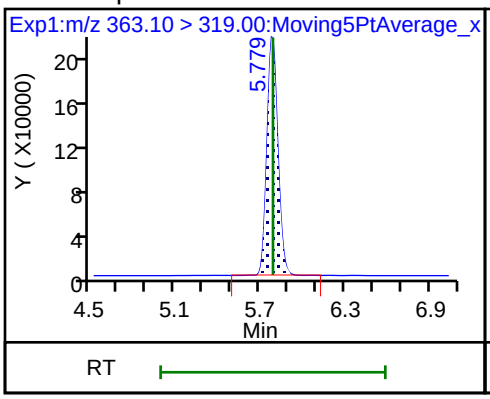
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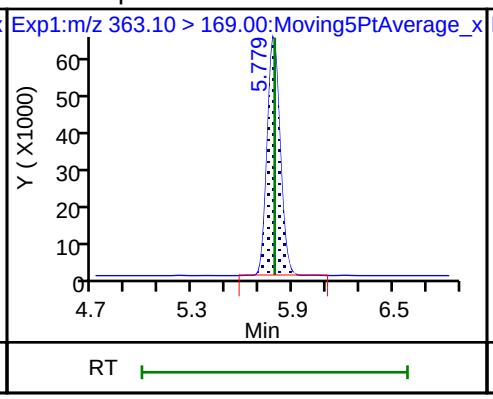
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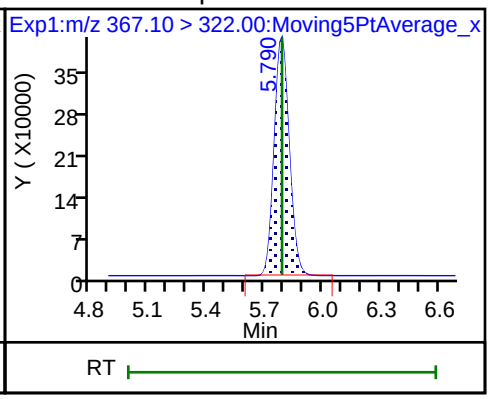
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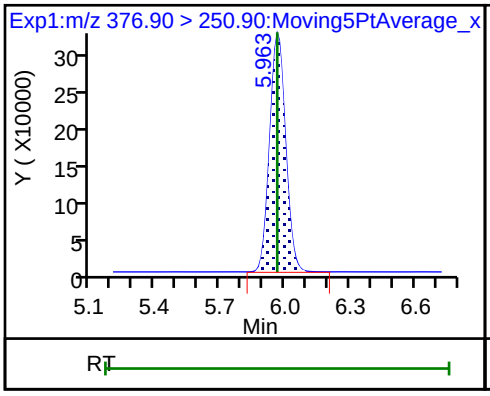
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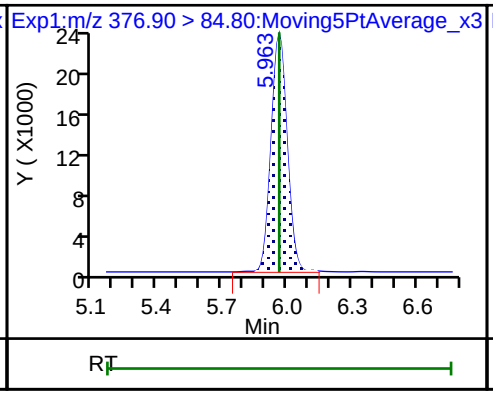
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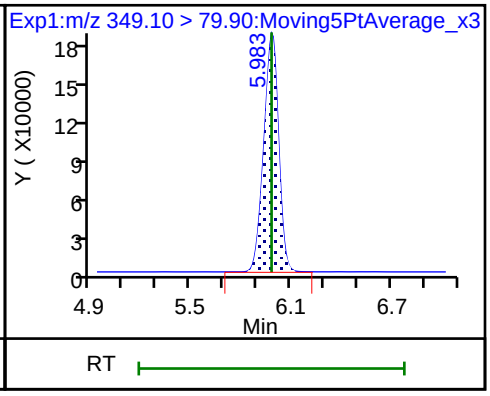
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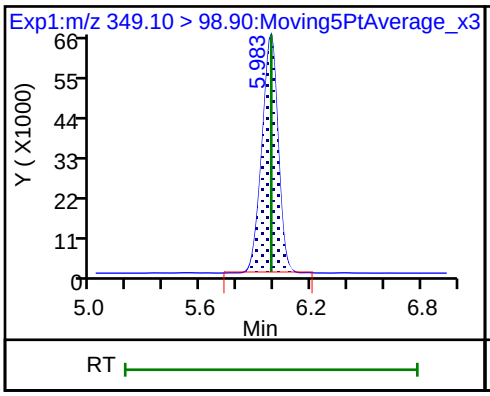
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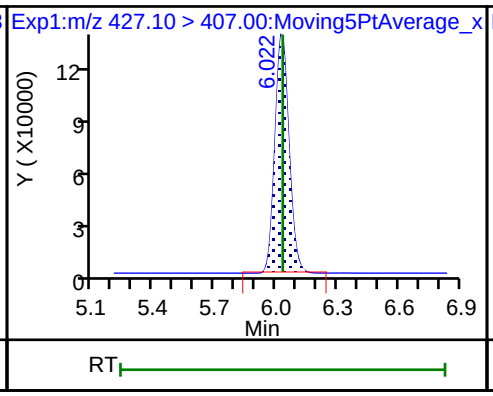
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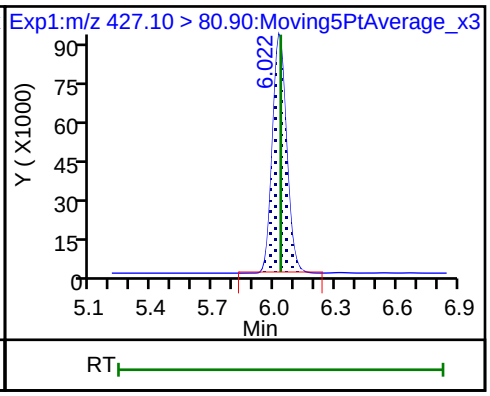
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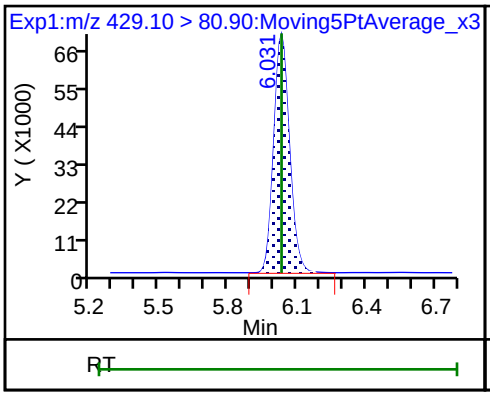
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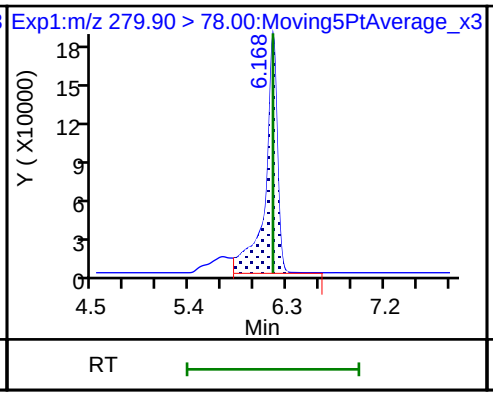
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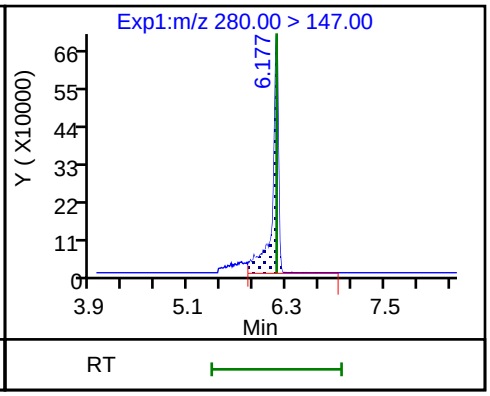
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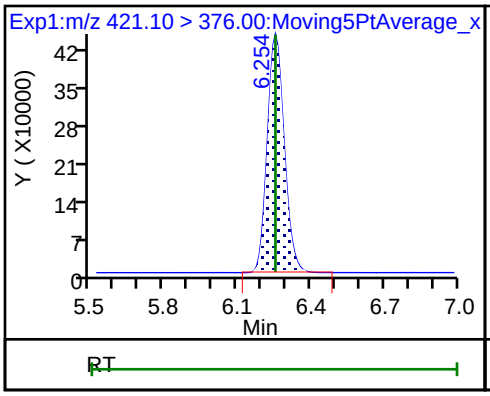
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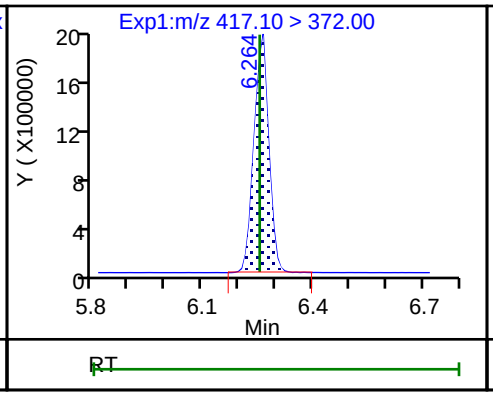
32 BTS



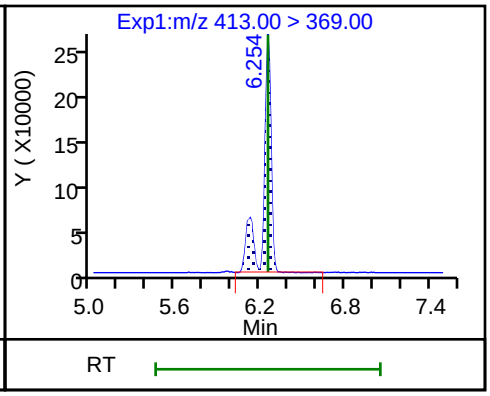
D 34 13C8 PFOA



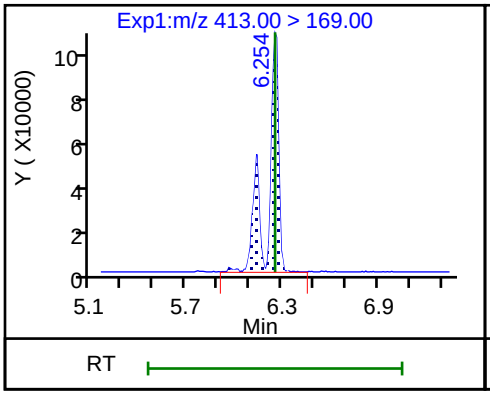
* 35 13C4 PFOA



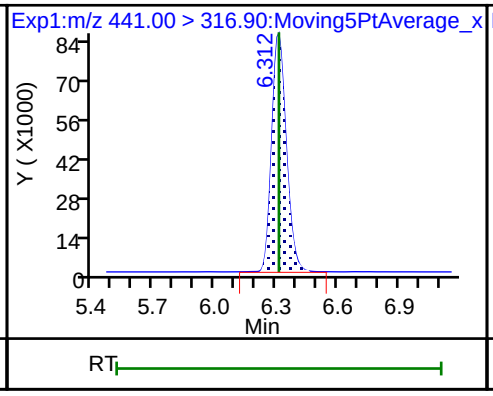
36 PFOA



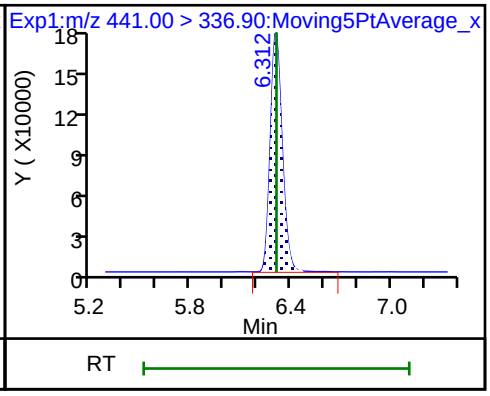
36 PFOA



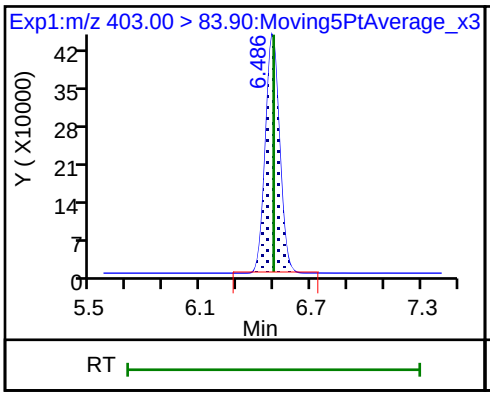
37 7:3 FTCA



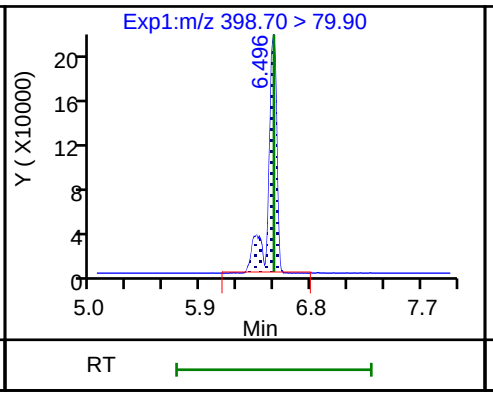
37 7:3 FTCA



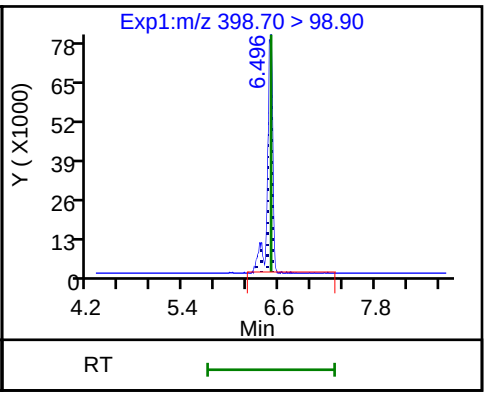
* 38 18O2 PFHxS



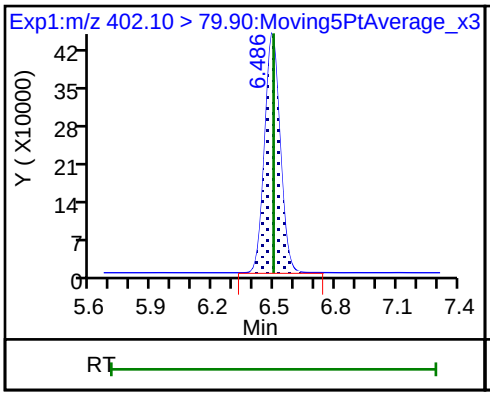
40 PFHxS



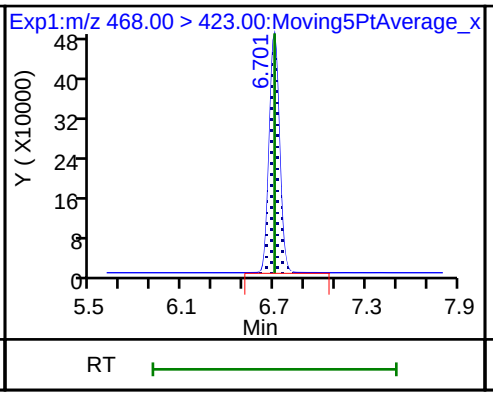
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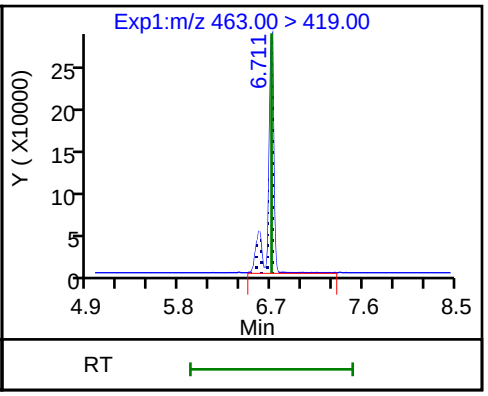
D 39 13C3 PFHxS



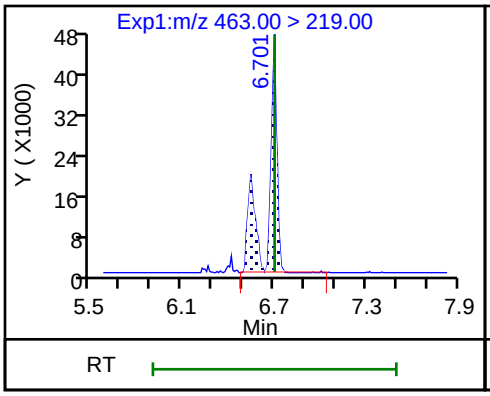
* 43 13C5 PFNA



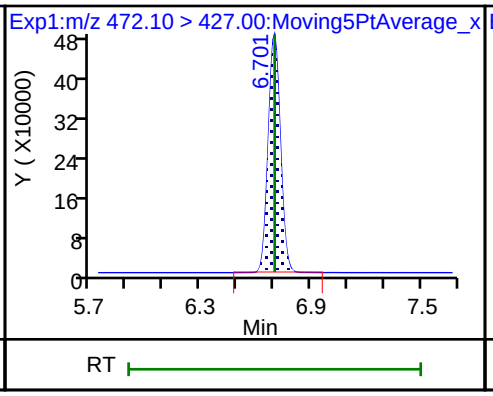
42 PFNA



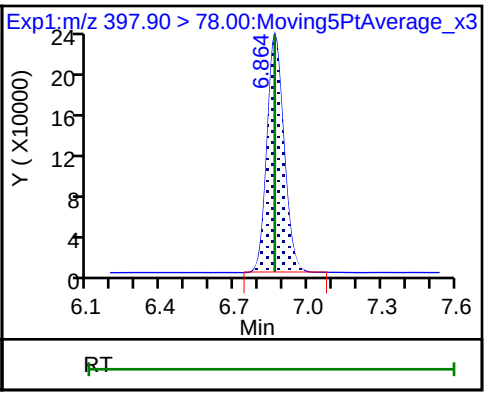
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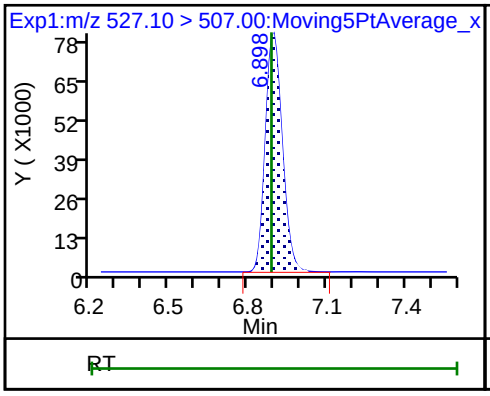
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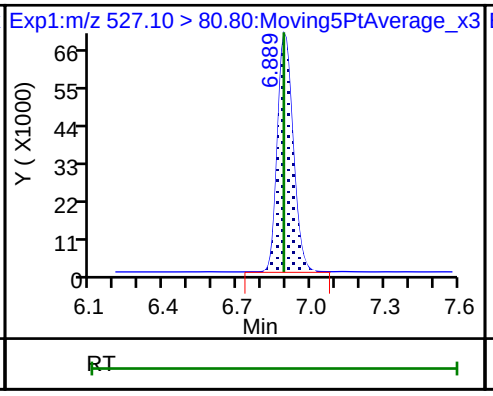
48 FHxSA



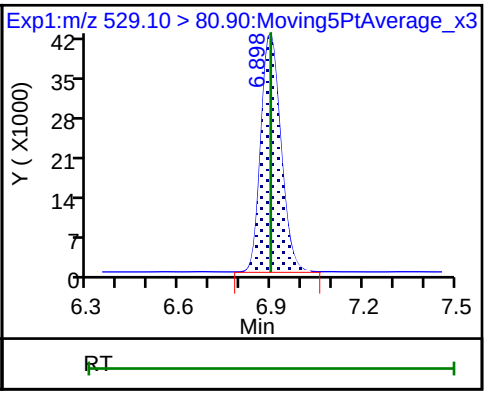
44 8:2FTS



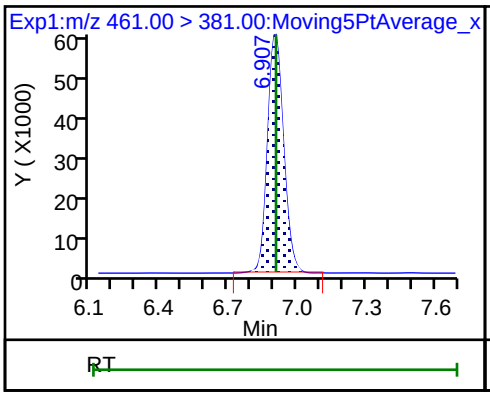
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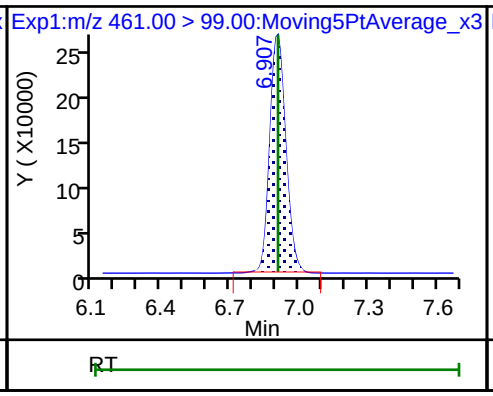
D 45 13C2-8:2FTS



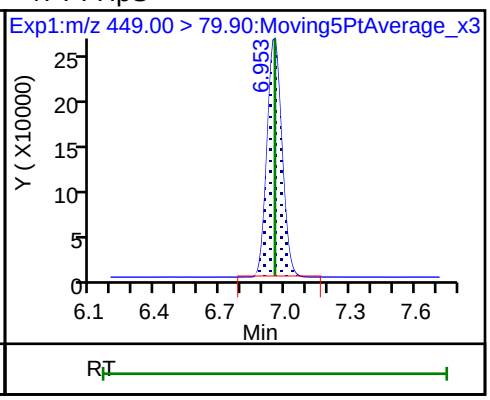
46 PFECHS



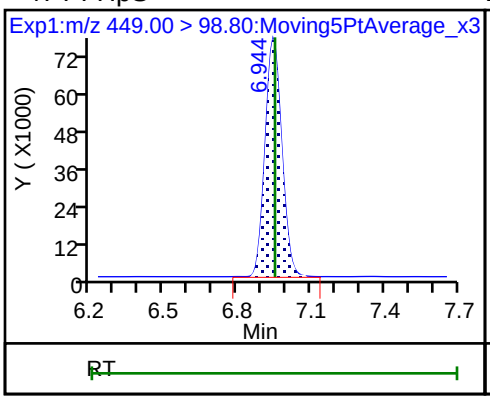
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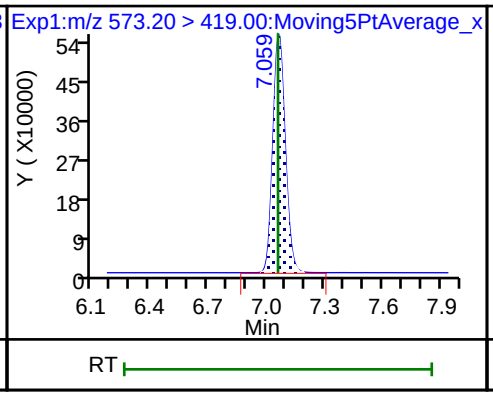
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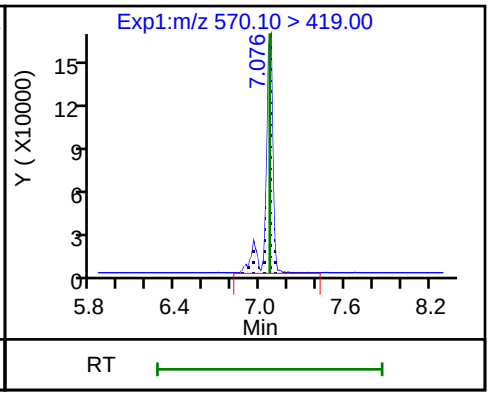
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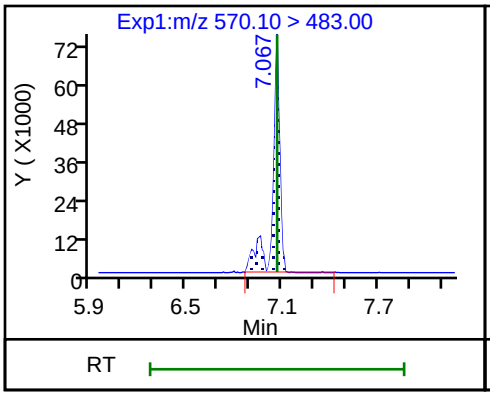
D 50 d3-NMeFOSAA



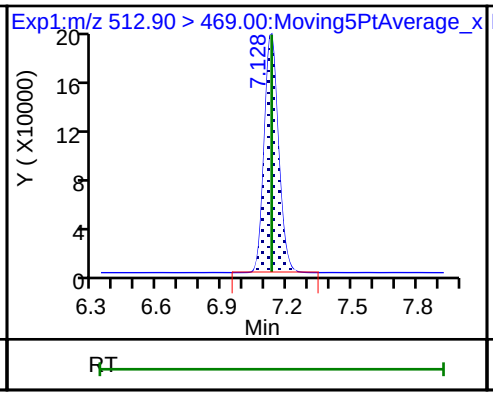
49 NMeFOSAA



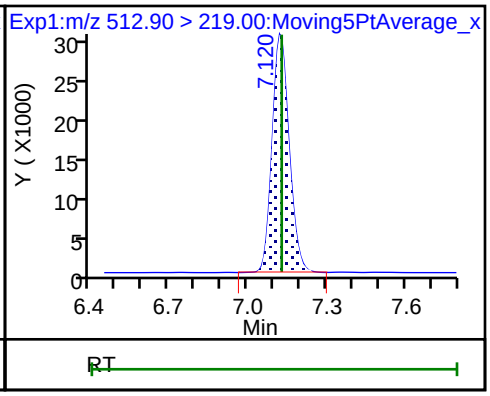
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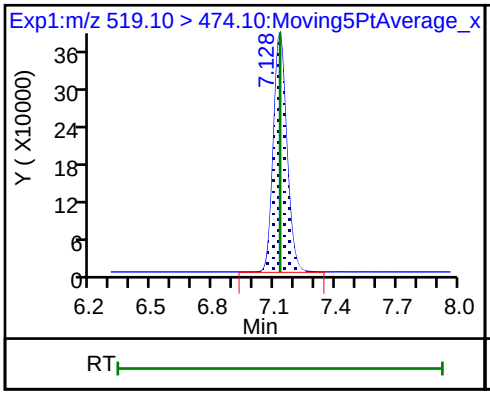
51 PFDA



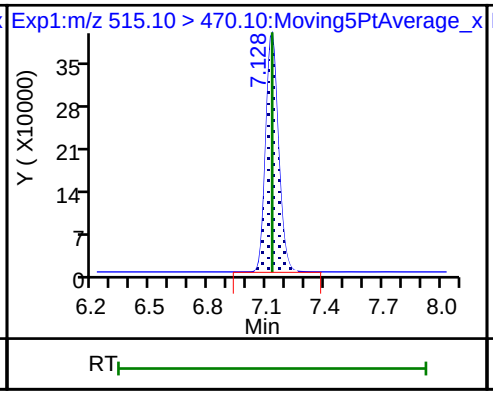
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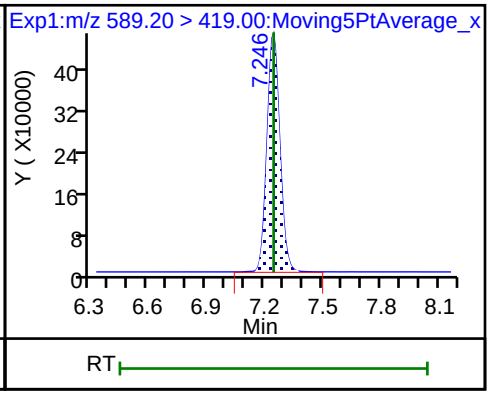
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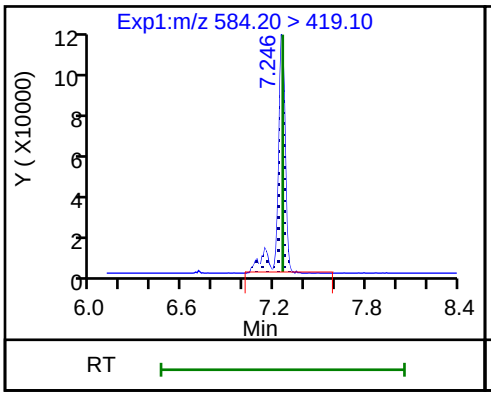
* 52 13C2 PFDA



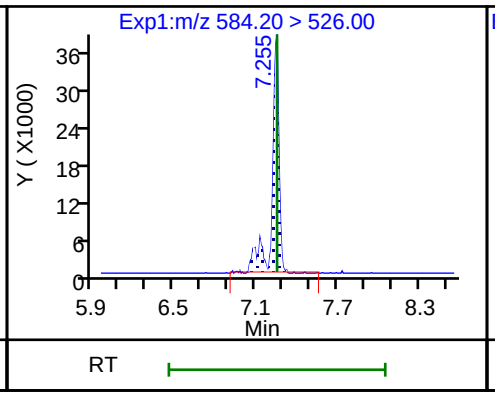
D 54 d5-NEtFOSAA



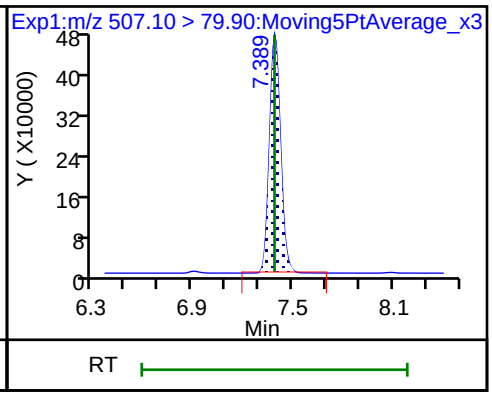
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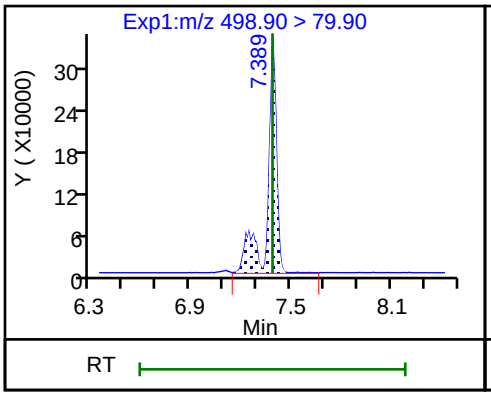
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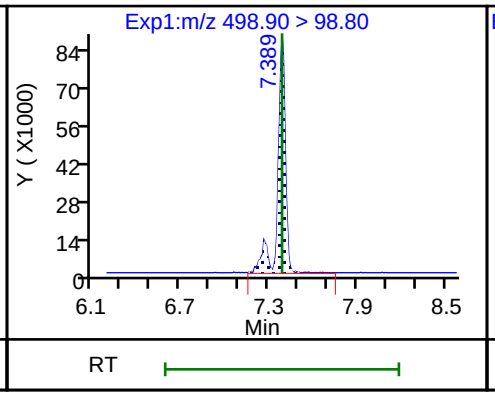
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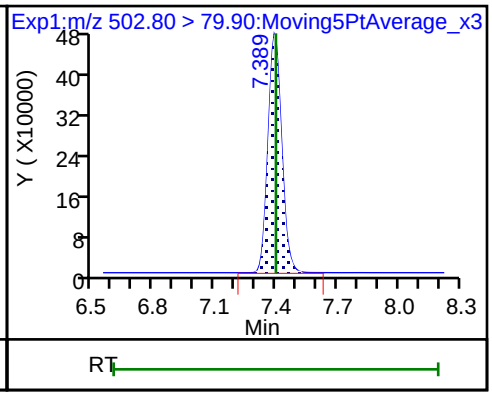
58 PFOS



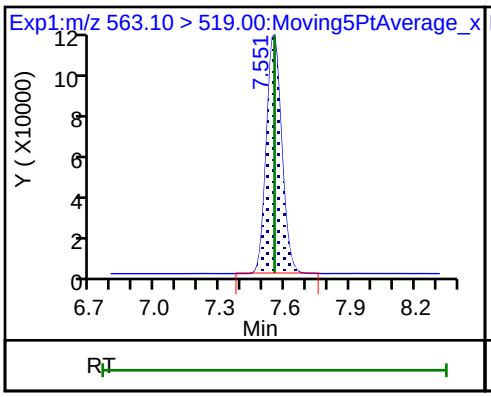
58 PFOS



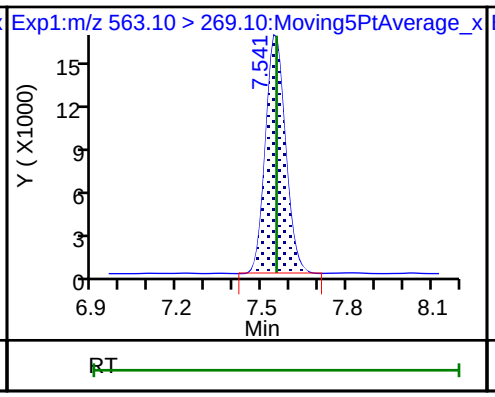
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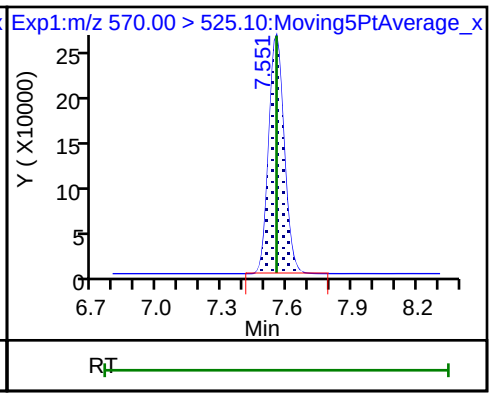
59 PFUnA



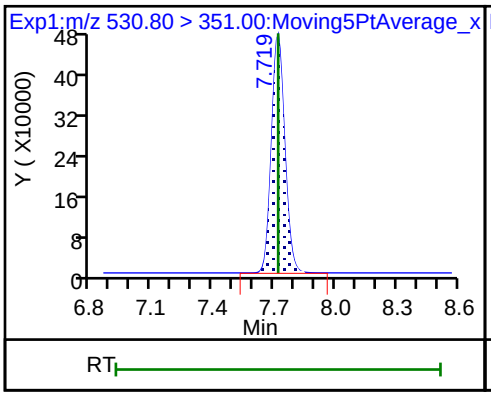
59 PFUnA



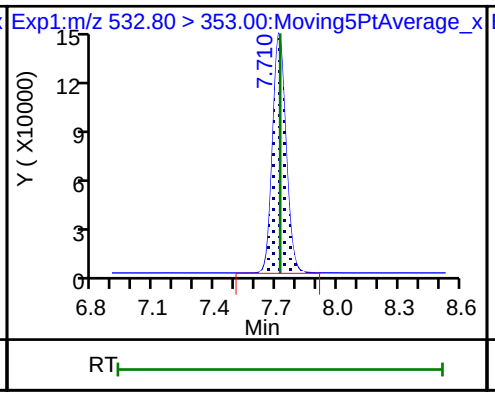
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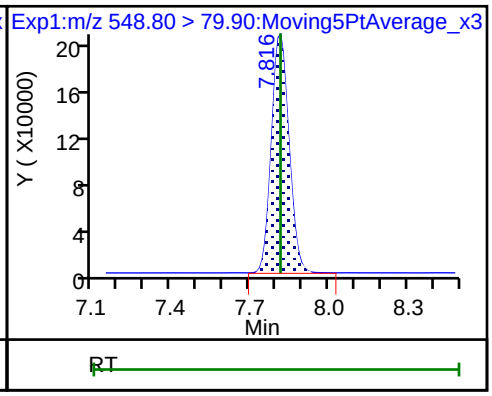
61 9ClFOS



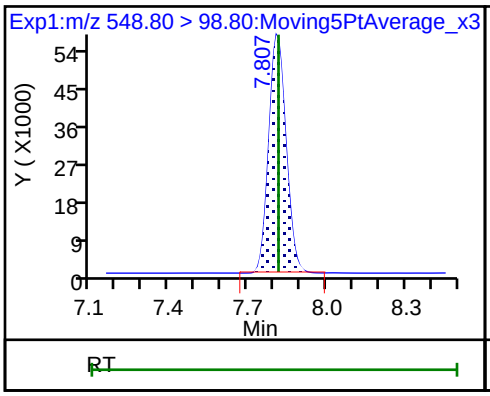
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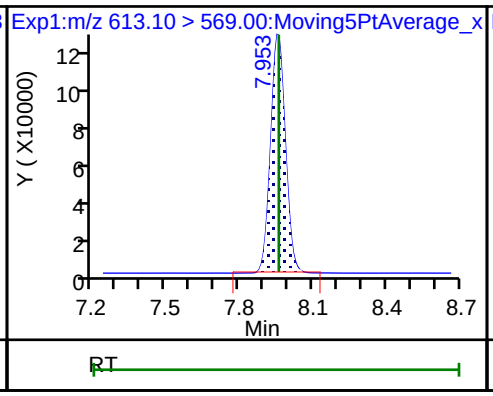
62 PFNS



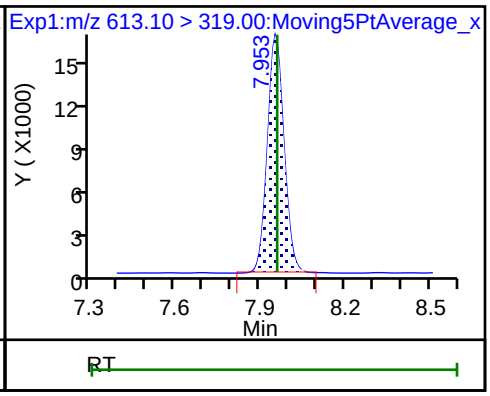
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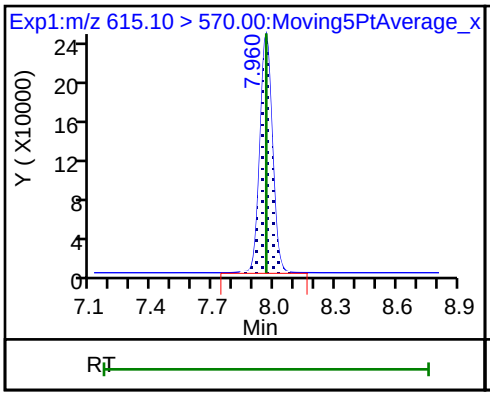
63 PFDoA



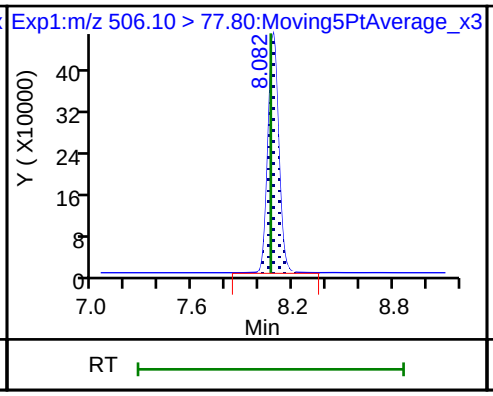
63 PFDoA



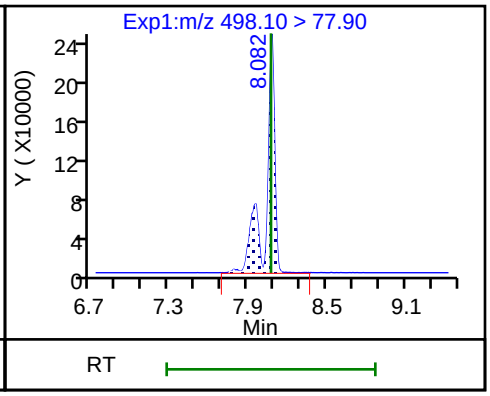
D 64 PFDoA



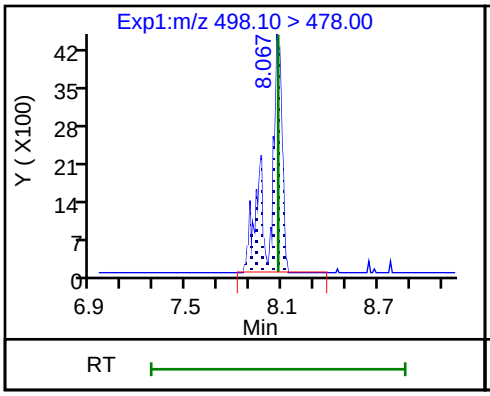
D 66 13C8 FOSA



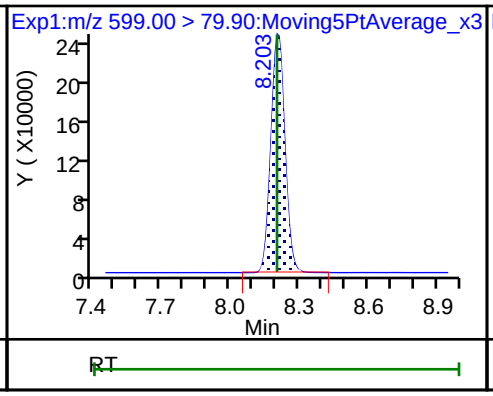
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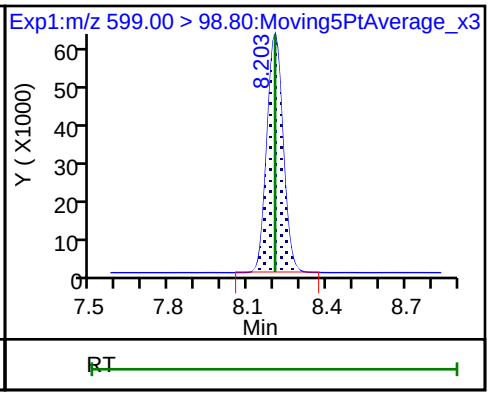
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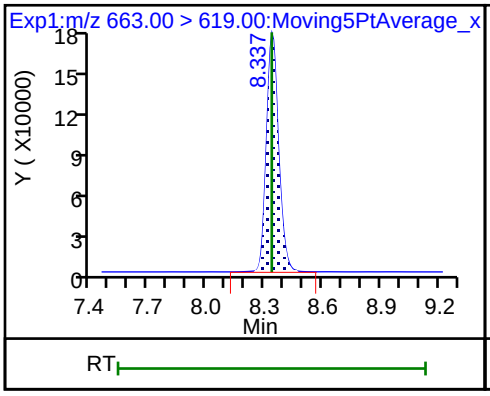
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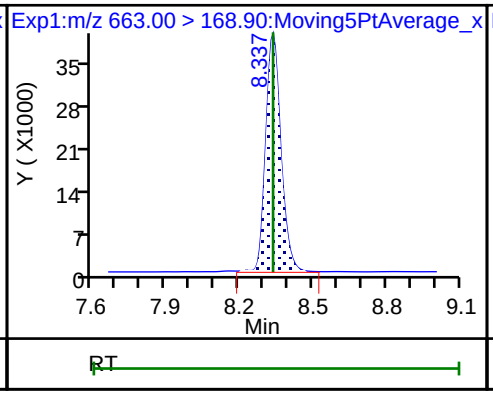
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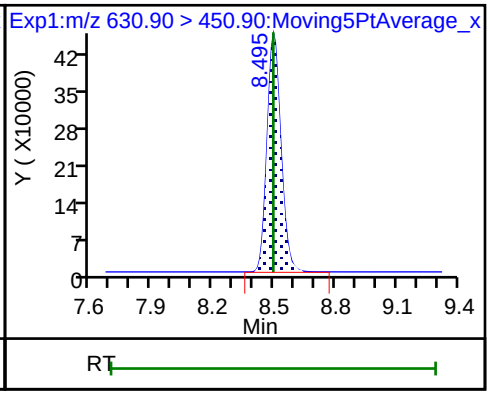
68 PFTrDA



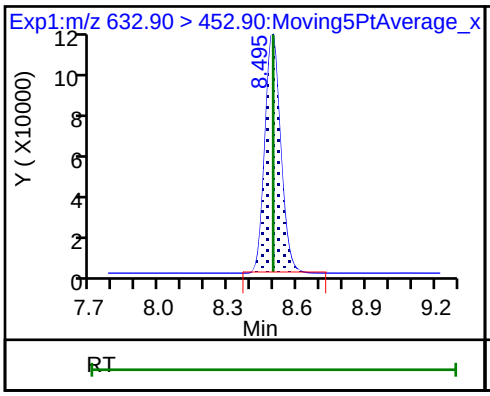
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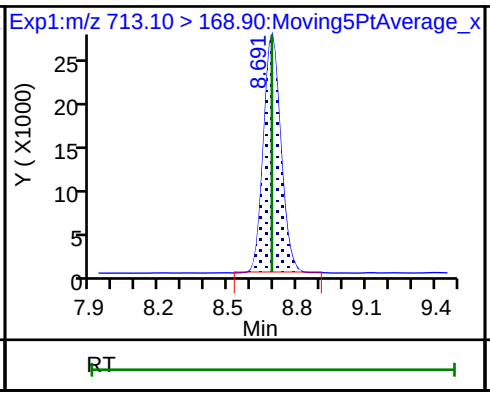
69 11ClFOS



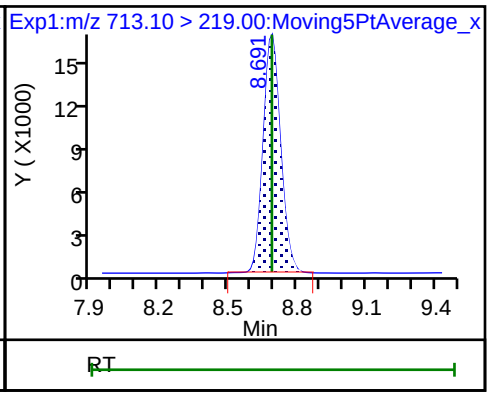
69 11ClFOS



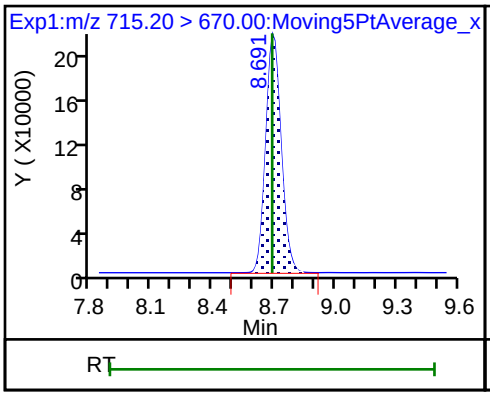
70 PFTeDA



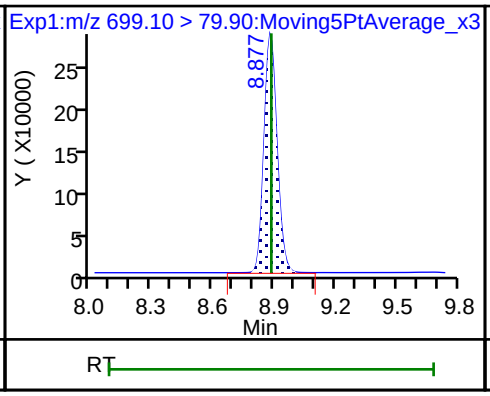
70 PFTeDA



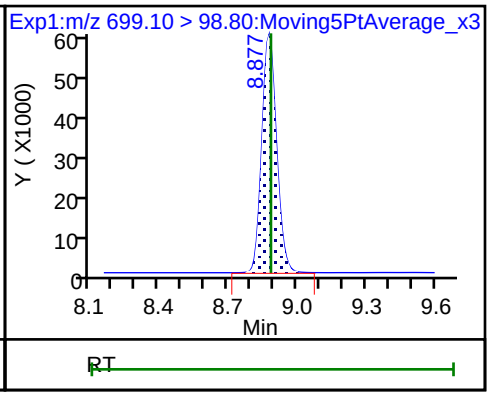
D 71 13C2 PFTeDA



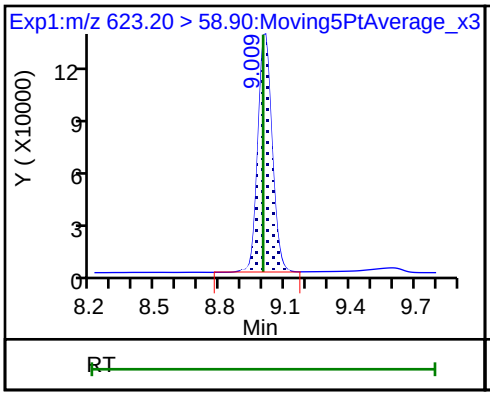
72 PFDoS



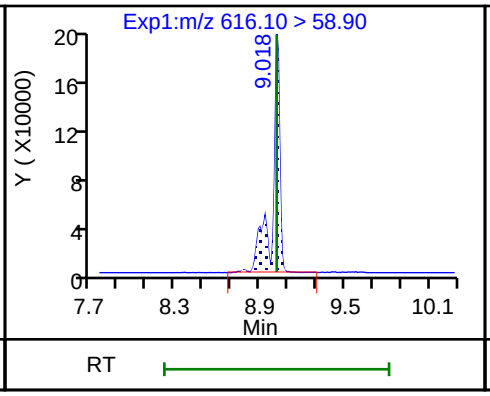
72 PFDoS



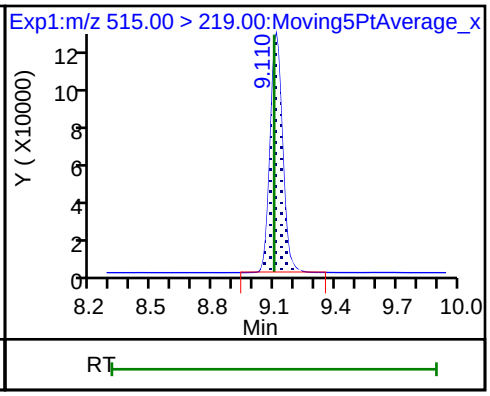
D 73 d7-N-Me-FOSE



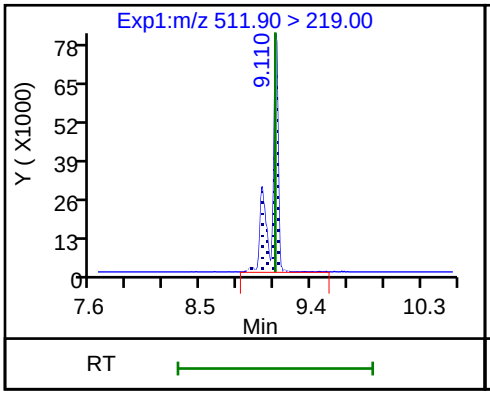
74 N-MeFOSE-M



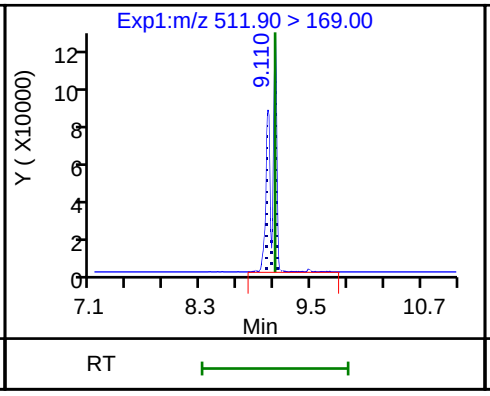
D 75 d3-NMePFOSA



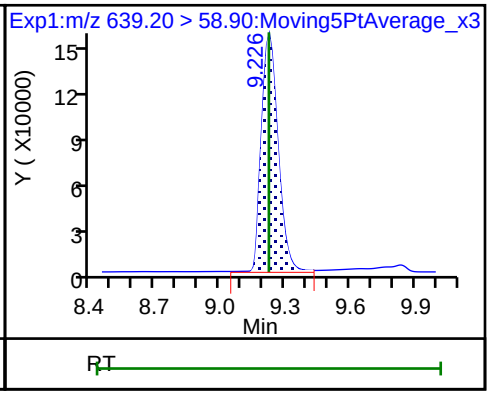
76 NMeFOSA



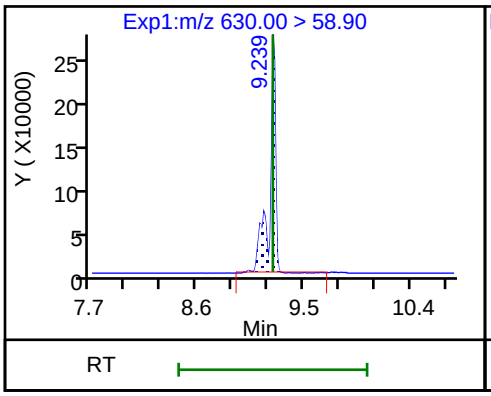
76 NMeFOSA



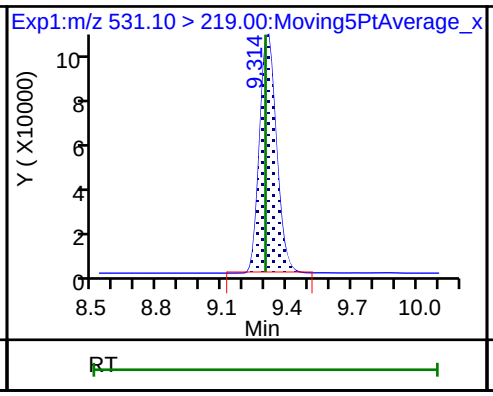
D 77 d9-N-EtFOSE



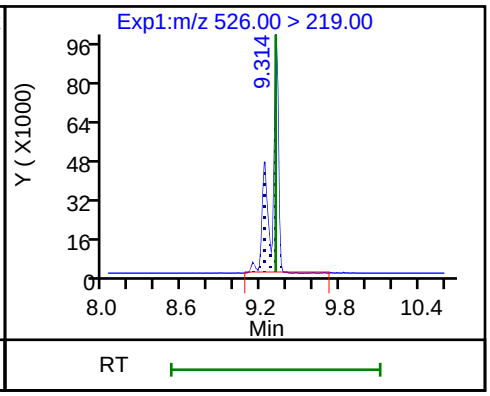
78 N-EtFOSE-M



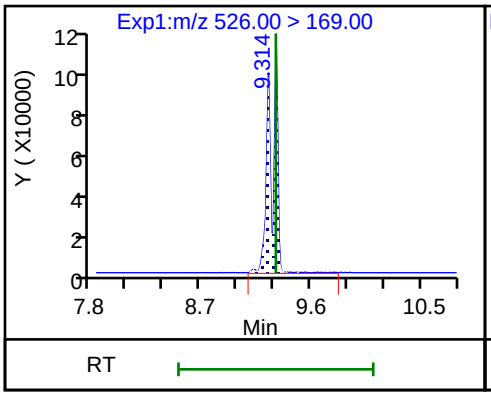
D 79 d5-NEtPFOSA



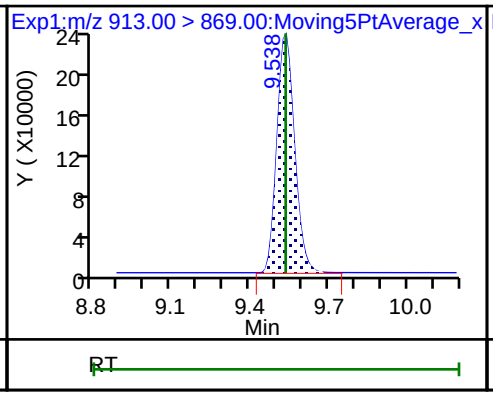
80 N-EtFOSA-M



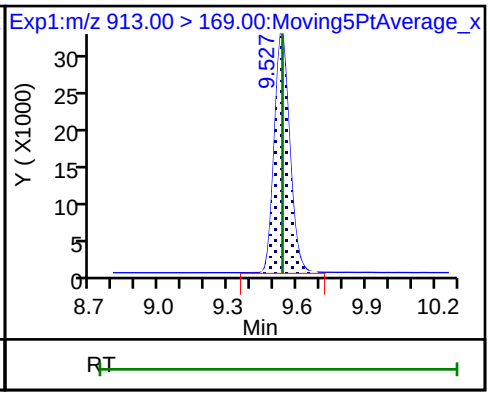
80 N-EtFOSA-M



81 Perfluorooctadecanoic acid



81 Perfluorooctadecanoic acid



FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: CCV 410-613042/167 Calibration Date: 03/06/2025 09:48

Instrument ID: 29347 Calib Start Date: 02/27/2025 15:11

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 02/27/2025 16:49

Lab File ID: 25MAR05W-93.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoropropionic acid (PFPrA)	AveID	1.049	1.016		4.84	5.00	-3.2	30.0
Perfluorobutanoic acid	AveID	0.9716	0.9145		1.88	2.00	-5.9	30.0
3:3 FTCA	L2ID		0.1265		1.96	2.00	-1.8	30.0
Perfluoro-3-methoxypropanoic acid	AveID	2.079	1.873		0.901	1.00	-9.9	30.0
Perfluoropentanoic acid	L2ID		1.652		1.03	1.00	2.6	30.0
Perfluoro(4-methoxybutanoic acid)	AveID	1.789	1.778		0.994	1.00	-0.6	30.0
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	AveID	3.390	3.358		1.85	1.87	-0.9	30.0
Perfluoro-3,6-dioxaheptanoic acid	AveID	0.2548	0.2630		1.03	1.00	3.2	30.0
Perfluorohexanoic acid	L2ID		1.015		1.06	1.00	6.4	30.0
5:3 FTCA	AveID	0.1339	0.1238		4.62	5.00	-7.6	30.0
Perfluorobutanesulfonic acid	AveID	1.092	0.9182		0.747	0.888	-15.9	30.0
HFPO-DA	AveID	1.147	1.136		0.743	0.750	-1.0	30.0
PFEESA	AveID	4.386	4.204		0.855	0.892	-4.1	30.0
Perfluoroheptanoic acid	L2ID		0.997		0.970	1.00	-3.0	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	3.320	3.088		0.880	0.946	-7.0	30.0
Perfluoropentanesulfonic acid	AveID	1.044	0.995		0.896	0.940	-4.7	30.0
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	AveID	4.697	4.687		1.89	1.90	-0.2	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	1.434	1.571		1.10	1.00	9.6	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	3.662	3.157		0.844	0.979	-13.8	30.0
Perfluorooctanoic acid	L2ID		0.8936		0.973	1.00	-2.7	30.0
7:3 FTCA	L2ID		0.1103		5.13	5.00	2.6	30.0
Perfluorohexanesulfonic acid	L2ID		0.9463		0.816	0.912	-10.5	30.0
Perfluorononanoic acid	L2ID		0.8790		1.02	1.00	1.7	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	1.037	0.999		0.963	1.00	-3.7	30.0
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	AveID	4.323	4.572		2.03	1.92	5.8	30.0
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	AveID	0.2884	0.2671		0.856	0.924	-7.4	30.0
Perfluoroheptanesulfonic acid	AveID	1.106	1.159		1.00	0.954	4.8	30.0
NMeFOSAA	L2ID		1.048		0.995	1.00	-0.5	30.0
Perfluorodecanoic acid	AveID	1.053	1.025		0.974	1.00	-2.6	30.0
NEtFOSAA	L2ID		0.7978		0.960	1.00	-4.0	30.0
Perfluorooctanesulfonic acid	L2ID		1.123		0.906	0.930	-2.6	30.0
Perfluoroundecanoic acid	AveID	0.8864	0.8220		0.927	1.00	-7.3	30.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	AveID	4.287	4.150		0.904	0.934	-3.2	30.0
Perfluorononanesulfonic acid	AveID	0.8930	0.8701		0.937	0.962	-2.6	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: CCV 410-613042/167 Calibration Date: 03/06/2025 09:48

Instrument ID: 29347 Calib Start Date: 02/27/2025 15:11

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 02/27/2025 16:49

Lab File ID: 25MAR05W-93.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorododecanoic acid	AveID	1.065	1.025		0.962	1.00	-3.8	30.0
Perfluorooctanesulfonamide	AveID	1.092	1.088		0.997	1.00	-0.3	30.0
Perfluorodecanesulfonic acid	AveID	0.9899	0.9180		0.894	0.964	-7.3	30.0
Perfluorotridecanoic acid	AveID	1.455	1.412		0.971	1.00	-2.9	30.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	L2ID		4.031		0.918	0.944	-2.7	30.0
Perfluorotetradecanoic acid	L2ID		0.2849		1.06	1.00	6.1	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	1.142	1.133		0.962	0.970	-0.8	30.0
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	AveID	1.158	1.097		4.74	5.00	-5.2	30.0
NMeFOSA	L2ID		1.051		0.943	1.00	-5.7	30.0
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	AveID	1.173	1.153		4.92	5.00	-1.7	30.0
N-ethylperfluoro-1-octanesulfonamide	AveID	1.209	1.211		1.00	1.00	0.2	30.0
Perfluoro-n-octadecanoic acid (PFODA)	L2ID		2.121		0.758	1.00	-24.2	30.0
13C3 PFPrA	Ave	0.4881	0.4933		2.02	2.00	1.1	30.0
13C4 PFBA	Ave	1.146	1.091		1.90	2.00	-4.8	30.0
13C5 PFPeA	Ave	0.5164	0.5034		1.95	2.00	-2.5	30.0
M2-4:2 FTS	Ave	0.0892	0.0752		3.96	4.69	-15.7	30.0
13C5 PFHxA	Ave	1.080	1.062		1.97	2.00	-1.6	30.0
13C3 PFBS	Ave	1.083	0.8004		1.38	1.86	-26.1	30.0
13C3 HFPO-DA	Ave	0.6952	0.6992		2.01	2.00	0.6	30.0
13C4 PFHpA	Ave	1.321	1.412		2.14	2.00	6.9	30.0
M2-6:2 FTS	Ave	0.0619	0.0563		4.33	4.76	-9.0	30.0
13C8 PFOA	Ave	1.014	1.009		1.99	2.00	-0.5	30.0
13C3 PFHxS	Ave	0.9811	0.9700		1.87	1.90	-1.1	30.0
13C9 PFNA	Ave	0.9777	1.012		2.07	2.00	3.5	30.0
M2-8:2 FTS	Ave	0.0388	0.0314		3.88	4.80	-19.2	30.0
d3-NMeFOSAA	Ave	0.3643	0.4076		5.59	5.00	11.9	30.0
13C6 PFDA	Ave	1.025	1.012		1.98	2.00	-1.2	30.0
d5-NEtFOSAA	Ave	0.3133	0.3696		5.90	5.00	18.0	30.0
13C8 PFOS	Ave	0.9408	1.005		2.04	1.91	6.8	30.0
13C7 PFUnA	Ave	0.7305	0.7396		2.02	2.00	1.2	30.0
13C2 PFDoA	Ave	0.5895	0.5825		1.98	2.00	-1.2	30.0
13C8 FOSA	Ave	0.9033	0.9339		2.07	2.00	3.4	30.0
13C2 PFTeDA	Ave	0.6229	0.6297		2.02	2.00	1.1	30.0
d7-N-MeFOSE-M	Ave	0.1022	0.1141		5.58	5.00	11.7	30.0
d3-NMePFOSA	Ave	0.1993	0.2381		2.39	2.00	19.4	30.0
d9-N-EtFOSE-M	Ave	0.1278	0.1449		5.67	5.00	13.4	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: CCV 410-613042/167 Calibration Date: 03/06/2025 09:48

Instrument ID: 29347 Calib Start Date: 02/27/2025 15:11

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 02/27/2025 16:49

Lab File ID: 25MAR05W-93.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d5-NEtPFOSA	Ave	0.2230	0.2548		2.29	2.00	14.3	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\25MAR05W-93.d
Lims ID: CCV 13_CAL 4
Client ID:
Sample Type: CCV
Inject. Date: 06-Mar-2025 09:48:17 ALS Bottle#: 20005 Worklist Smp#: 167
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: CCV 13_CAL 4
Misc. Info.: Plate: 1 Rack: 1 410-0139917-167
Operator ID: US19_USR_INS00012E Instrument ID: 29347
Sublist: chrom-29347_1633Final*sub1

Method: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\29347_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 06-Mar-2025 15:56:13 Calib Date: 27-Feb-2025 16:49:35
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1676

First Level Reviewer: JU9U Date: 06-Mar-2025 15:46:54
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C3PFPrA										
166.00 > 121.00	1.808	1.806	0.002	0.439	726853	2.02		101	306	
2 Perfluoropropionic acid										
163.00 > 119.00	1.816	1.815	0.001	1.005	1845524	4.84		96.8	3.5	
D 4 13C4-PFBA										
216.80 > 171.90	4.115	4.116	-0.001	1.000	1607679	1.90		95.2	47209	
3 PFBA										
212.80 > 168.90	4.115	4.116	-0.001	1.000	1470171	1.88		94.1	1343	
* 5 13C3PFBA										
216.00 > 172.00	4.115	4.116	-0.001		1473376	2.00			204	
7 PFMPA										
229.00 > 84.90	4.360	4.361	-0.001	0.926	743231	0.9009		90.1	23467	
6 3:3 FTCA										
241.00 > 177.00	4.360	4.361	-0.001	0.926	100435	1.96	Target=1.13	98.2	7346	
241.00 > 117.00	4.360	4.361	-0.001	0.926	88493		1.13(0.56-1.69)		1602	
8 PFPA										
263.00 > 219.00	4.710	4.711	-0.001	1.000	655374	1.03		103	6611	
D 9 13C5 PFPeA										
268.30 > 223.00	4.710	4.711	-0.001	0.894	793669	1.95		97.5	32000	
10 PFMBA										
279.00 > 85.10	4.885	4.897	-0.012	1.037	705411	0.99		99.4	28538	
11 4:2FTS										
327.10 > 307.00	5.052	5.063	-0.011	1.000	591008	1.85	Target=1.58	99.1	37734	
327.10 > 80.90	5.052	5.063	-0.011	1.000	371245		1.59(0.79-2.37)		7039	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.052	5.063	-0.011	0.780	441893	3.96		84.3	17021	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.216	5.217	-0.001	0.990	220138	1.03	Target=19.85	103	10032	
295.00 > 84.90	5.208	5.217	-0.009	0.988	11970		18.39(9.92-29.77)		740	
16 PFHxA										
313.00 > 269.00	5.262	5.272	-0.010	0.998	849323	1.06	Target=13.05	106	13135	
313.00 > 118.90	5.262	5.272	-0.010	0.998	63297		13.42(6.53-19.58)		2985	
D 17 13C5 PFHxA										
318.00 > 273.00	5.271	5.281	-0.010	1.000	1674336	1.97		98.4	63152	
* 15 13C2 PFHxA										
315.10 > 270.00	5.271	5.281	-0.010		3941650	5.00			82307	
18 5:3 FTCA										
341.00 > 237.10	5.365	5.375	-0.010	1.018	518063	4.62	Target=2.86	92.4	26573	
341.00 > 217.00	5.365	5.375	-0.010	1.018	185439		2.79(1.43-4.29)		12531	
19 PFBS										
298.70 > 79.90	5.417	5.418	-0.001	1.000	817597	0.7467	Target=3.09	84.1	33437	
298.70 > 98.80	5.406	5.418	-0.012	0.998	362006		2.26(1.55-4.64)		11935	
D 20 13C3 PFBS										
302.10 > 79.90	5.417	5.418	-0.001	0.836	1869144	1.38		73.9	74877	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.484	5.496	-0.012	1.040	1102456	2.01		101	47559	
21 HFPO-DA										
284.90 > 168.90	5.484	5.496	-0.012	1.000	469577	0.7429	Target=15.31	99.0	13400	
284.90 > 184.90	5.484	5.496	-0.012	1.000	32361		14.51(7.65-22.96)		1872	
24 PFEESA										
314.80 > 134.90	5.690	5.701	-0.011	1.080	3139484	0.8550	Target=13.22	95.9	109665	
314.80 > 82.90	5.690	5.701	-0.011	1.080	238293		13.17(6.61-19.83)		6630	
26 PFHpA										
363.10 > 319.00	5.779	5.790	-0.011	1.000	1109858	0.9695	Target=3.46	97.0	22817	
363.10 > 169.00	5.768	5.790	-0.022	0.998	344456		3.22(1.73-5.19)		15796	
D 27 13C4 PFHpA										
367.10 > 322.00	5.779	5.790	-0.011	1.096	2225826	2.14		107	82728	
28 ADONA										
376.90 > 250.90	5.952	5.963	-0.011	1.085	1610233	0.8800	Target=14.06	93.0	78013	
376.90 > 84.80	5.952	5.963	-0.011	1.085	117160		13.74(7.03-21.09)		7474	
29 PFPeS										
349.10 > 79.90	5.973	5.983	-0.010	0.922	1136991	0.8962	Target=2.97	95.3	45984	
349.10 > 98.90	5.973	5.983	-0.010	0.922	393561		2.89(1.48-4.45)		21126	
30 6:2FTS										
427.10 > 407.00	6.022	6.031	-0.009	1.000	626769	1.89	Target=1.46	99.8	43049	
427.10 > 80.90	6.012	6.031	-0.019	0.998	427853		1.46(0.73-2.20)		22040	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.022	6.031	-0.009	0.930	335716	4.33		91.0	23653	
33 FBSA										M
279.90 > 78.00	6.158	6.168	-0.010	1.137	1575498	1.10		110	61261	M
32 BTS										M
280.00 > 147.00	6.168	6.177	-0.009	0.952	3755571	0.8440		86.2	2415	M
D 34 13C8 PFOA										
421.10 > 376.00	6.244	6.254	-0.010	0.998	2253419	1.99		99.5	117222	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 35 13C4 PFOA										
417.10 > 372.00	6.254	6.254	0.0		5584306	5.00			488611	
36 PFOA										
413.00 > 369.00	6.244	6.254	-0.010	1.000	1006883	0.9732	Target=2.10	97.3	255203	
413.00 > 169.00	6.244	6.254	-0.010	1.000	475104		2.12(1.05-3.15)		58193	
37 7:3 FTCA										
441.00 > 316.90	6.303	6.312	-0.009	1.196	461728	5.13	Target=0.46	103	23516	
441.00 > 336.90	6.303	6.312	-0.009	1.196	917397		0.50(0.23-0.69)		37420	
* 38 18O2 PFHxS										
403.00 > 83.90	6.477	6.496	-0.019		2370293	1.89			146582	
40 PFHxS										
398.70 > 79.90	6.487	6.496	-0.010	1.002	1048807	0.8160	Target=2.96	89.5	229539	
398.70 > 98.90	6.477	6.496	-0.019	1.000	358912		2.92(1.48-4.44)		411	
D 39 13C3 PFHxS										
402.10 > 79.90	6.477	6.496	-0.019	1.000	2304038	1.87		98.9	86034	
42 PFNA										
463.00 > 419.00	6.692	6.701	-0.009	1.000	999248	1.02	Target=5.06	102	304314	
463.00 > 219.00	6.692	6.701	-0.009	1.000	197903		5.05(2.53-7.59)		21204	
D 41 13C9 PFNA										
472.10 > 427.00	6.692	6.701	-0.009	1.000	2273705	2.07		104	121437	
* 43 13C5 PFNA										
468.00 > 423.00	6.692	6.701	-0.009		2246107	2.00			120417	
48 FHxSA										
397.90 > 78.00	6.849	6.864	-0.015	1.057	1213409	0.9626		96.3	36310	
44 8:2FTS										
527.10 > 507.00	6.880	6.889	-0.009	0.999	344335	2.03	Target=1.12	106	25960	
527.10 > 80.80	6.880	6.889	-0.009	0.999	284554		1.21(0.56-1.68)		16439	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.889	6.898	-0.009	1.064	188697	3.88		80.8	14227	
46 PFECHS										
461.00 > 381.00	6.889	6.907	-0.018	1.064	299902	0.8556	Target=0.23	92.6	20895	
461.00 > 99.00	6.889	6.907	-0.018	1.064	1338186		0.22(0.11-0.34)		69235	
47 PFHpS										
449.00 > 79.90	6.935	6.952	-0.017	0.940	1279904	1.00	Target=3.51	105	67354	
449.00 > 98.80	6.935	6.952	-0.017	0.940	370192		3.46(1.75-5.26)		25847	
D 50 d3-NMeFOSAA										
573.20 > 419.00	7.050	7.058	-0.008	0.955	2347106	5.59		112	87241	
49 NMeFOSAA										
570.10 > 419.00	7.059	7.067	-0.008	1.001	491763	1.00	Target=2.33	99.5	1255	
570.10 > 483.00	7.050	7.067	-0.017	1.000	212815		2.31(1.16-3.49)		252	
51 PFDA										
512.90 > 469.00	7.111	7.128	-0.017	1.000	911893	0.9741	Target=6.65	97.4	40637	
512.90 > 219.00	7.111	7.128	-0.017	1.000	131349		6.94(3.33-9.98)		10014	
D 53 13C6 PFDA										
519.10 > 474.10	7.111	7.128	-0.017	0.999	1778832	1.98		98.8	130309	
* 52 13C2 PFDA										
515.10 > 470.10	7.120	7.128	-0.008		1757205	2.00			96602	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.229	7.246	-0.017	0.979	2128678	5.90		118	115599	
55 NEtFOSAA										
584.20 > 419.10	7.247	7.255	-0.008	1.002	339664	0.9595	Target=2.61	96.0	431	
584.20 > 526.00	7.238	7.255	-0.017	1.001	130131		2.61(1.31-3.92)		236	
D 56 13C8 PFOS										
507.10 > 79.90	7.380	7.388	-0.008	1.000	2212955	2.04		107	27735	
58 PFOS										
498.90 > 79.90	7.380	7.388	-0.008	1.000	1208547	0.9059	Target=3.87	97.4	152564	
498.90 > 98.80	7.371	7.388	-0.017	0.999	314257		3.85(1.93-5.80)		645	
* 57 13C4 PFOS										
502.80 > 79.90	7.380	7.398	-0.018		2202263	1.91			93612	
59 PFUnA										
563.10 > 519.00	7.531	7.551	-0.020	0.999	534164	0.9274	Target=6.45	92.7	26798	
563.10 > 269.10	7.531	7.551	-0.020	0.999	82769		6.45(3.23-9.68)		4221	
D 60 13C7 PFUnA										
570.00 > 525.10	7.541	7.551	-0.010	1.059	1299597	2.02		101	87848	
61 9ClFOS										
530.80 > 351.00	7.702	7.718	-0.016	1.405	2136799	0.9041	Target=3.27	96.8	155883	
532.80 > 353.00	7.702	7.718	-0.016	1.405	684848		3.12(1.64-4.91)		50106	
62 PFNS										
548.80 > 79.90	7.798	7.816	-0.018	1.057	968807	0.9373	Target=3.46	97.4	52431	
548.80 > 98.80	7.798	7.816	-0.018	1.057	271495		3.57(1.73-5.19)		19797	
63 PFDoA										
613.10 > 569.00	7.945	7.960	-0.015		524415	0.9620	Target=8.39	96.2	31066	
613.10 > 319.00	7.937	7.960	-0.023		60636		8.65(4.19-12.58)		4741	
D 64 PFDoA										
615.10 > 570.00	7.945	7.960	-0.015	1.116	1023529	1.98		98.8	80508	
D 66 13C8 FOSA										
506.10 > 77.80	8.068	8.066	0.002	1.093	2151265	2.07		103	80881	
65 PFOSA										M
498.10 > 77.90	8.068	8.074	-0.006	1.000	1170194	1.00	Target=55.40	99.7	272411	M
498.10 > 478.00	8.052	8.074	-0.022	0.998	22288		52.50(27.70-83.10)		45.2	M
67 PFDS										
599.00 > 79.90	8.188	8.203	-0.015	1.109	1024257	0.8940	Target=3.75	92.7	59726	
599.00 > 98.80	8.188	8.203	-0.015	1.109	282490		3.63(1.87-5.62)		22166	
68 PFTrDA										
663.00 > 619.00	8.322	8.336	-0.014	0.959	752137	0.9709	Target=4.52	97.1	43376	
663.00 > 168.90	8.322	8.336	-0.014	0.959	165617		4.54(2.26-6.78)		9602	
69 11ClFOS										
630.90 > 450.90	8.477	8.495	-0.017	1.546	2097378	0.9185	Target=3.74	97.3	146304	
632.90 > 452.90	8.477	8.495	-0.017	1.546	587693		3.57(1.87-5.61)		41703	
70 PFTeDA										
713.10 > 168.90	8.681	8.689	-0.008	1.000	157634	1.06	Target=1.81	106	9862	
713.10 > 219.00	8.669	8.689	-0.020	0.999	90178		1.75(0.91-2.72)		5624	
D 71 13C2 PFTeDA										
715.20 > 670.00	8.681	8.689	-0.008	1.219	1106584	2.02		101	52614	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
72 PFDoS										
699.10 > 79.90	8.869	8.885	-0.016	1.202	1271581	0.9618	Target=4.23	99.2	25946	
699.10 > 98.80	8.860	8.885	-0.025	1.200	271485		4.68(2.12-6.35)		20211	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.001	8.998	0.003	1.220	657167	5.58		112	4980	
74 N-MeFOSE-M										
616.10 > 58.90	9.019	9.016	0.003	1.002	721078	4.74		94.8	97304	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.102	9.099	0.003	1.233	548379	2.39		119	44010	
76 NMeFOSA										
511.90 > 219.00	9.102	9.107	-0.005	1.000	288212	0.9428	Target=0.56	94.3	909	
511.90 > 169.00	9.102	9.107	-0.005	1.000	527536		0.55(0.28-0.85)		1664	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.214	9.224	-0.010	1.248	834498	5.67		113	2805	
78 N-EtFOSE-M										
630.00 > 58.90	9.239	9.237	0.002	1.003	962548	4.92		98.3	101369	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.302	9.299	0.003	1.260	587055	2.29		114	21983	
80 N-EtFOSA-M										
526.00 > 219.00	9.314	9.312	0.002	1.001	355398	1.00	Target=0.74	100	2040	
526.00 > 169.00	9.302	9.312	-0.010	1.000	469574		0.76(0.37-1.11)		1650	
81 Perfluorooctadecanoic acid										
913.00 > 869.00	9.516	9.535	-0.019	1.096	1173334	0.7585	Target=7.31	75.8	41231	
913.00 > 169.00	9.516	9.535	-0.019	1.096	159426		7.36(3.65-10.96)		6779	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_CAL4_00033 Amount Added: 1.00 Units: mL

Report Date: 06-Mar-2025 15:56:14 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\25MAR05W-93.d

Injection Date: 06-Mar-2025 09:48:17 Instrument ID: 29347

Lims ID: CCV 13_CAL 4

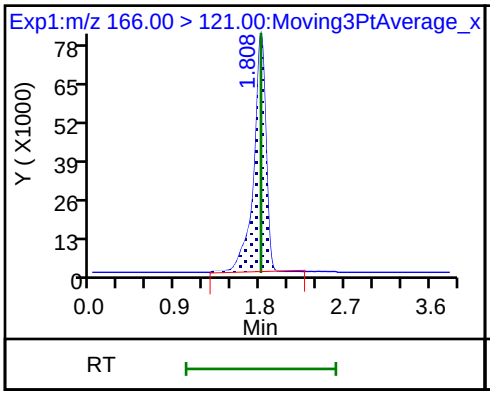
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Operator ID: US19_USR_INS00012E ALS Bottle#: 20005 Worklist Smp#: 167

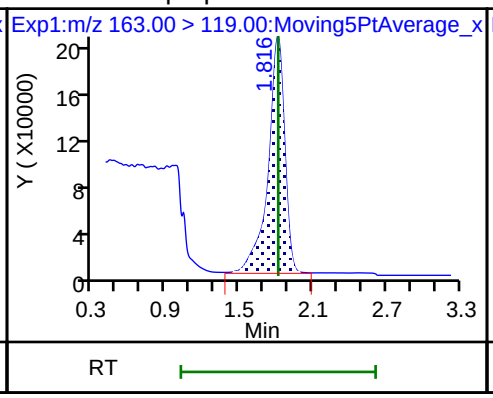
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 29347_1633Final Limit Group: LC - 1633 LVI- ICAL

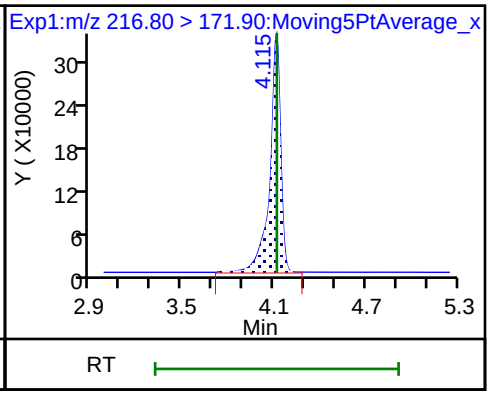
D 1 13C3PFPrA



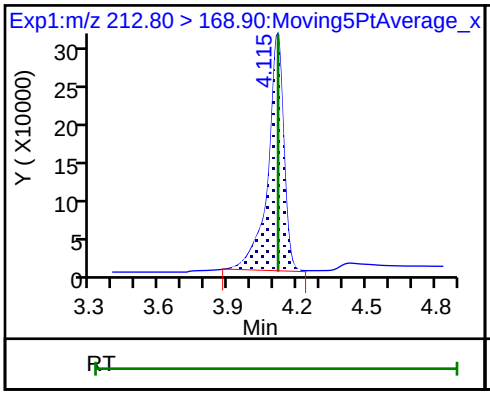
2 Perfluoropropionic acid



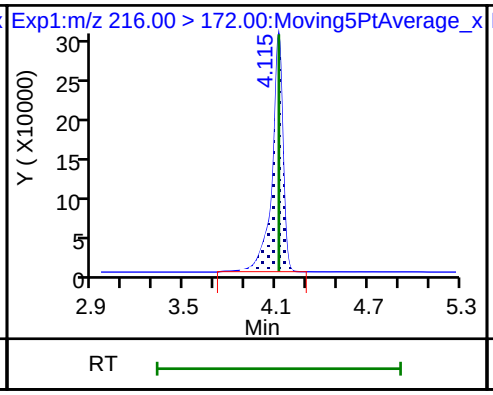
D 4 13C4-PFBA



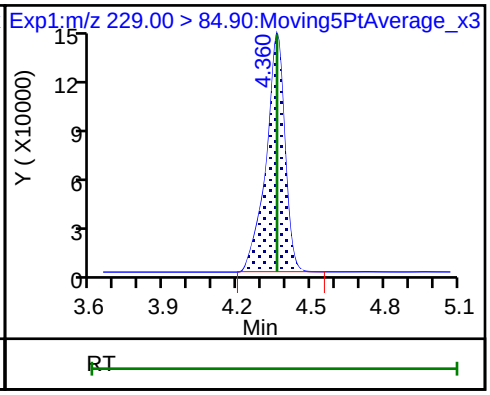
3 PFBA



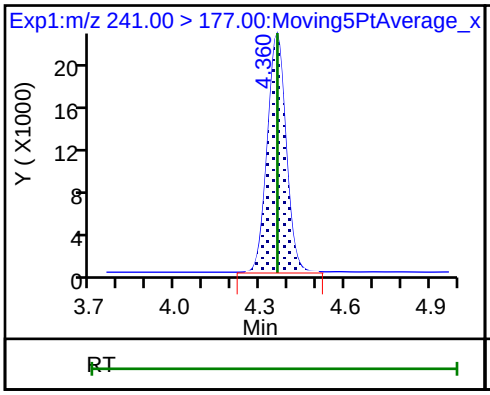
* 5 13C3PFBA



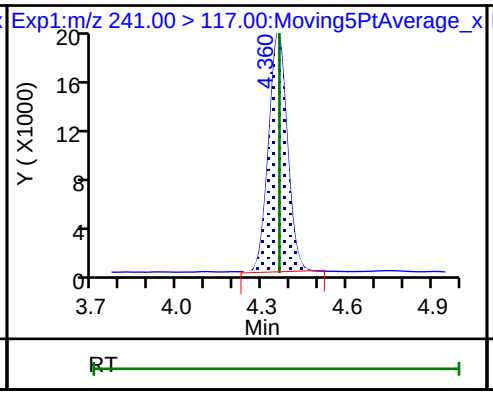
7 PFMPA



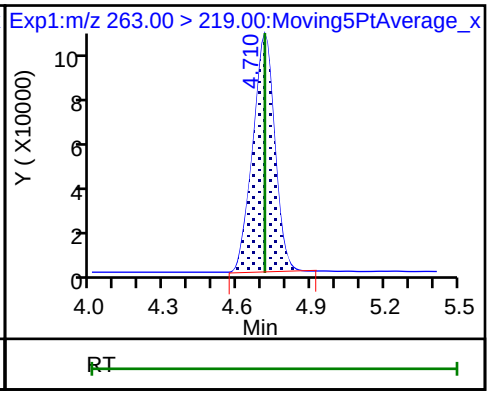
6 3:3 FTCA



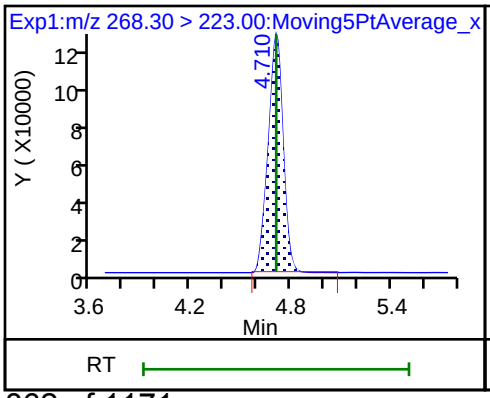
6 3:3 FTCA



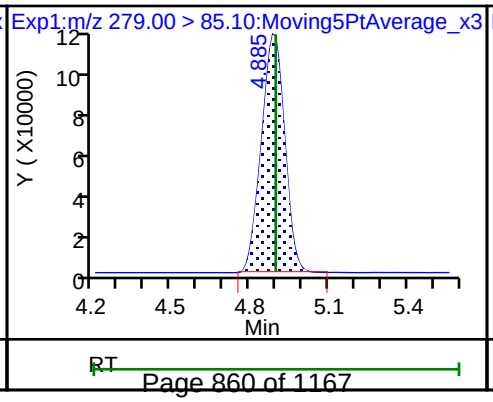
8 PFPA



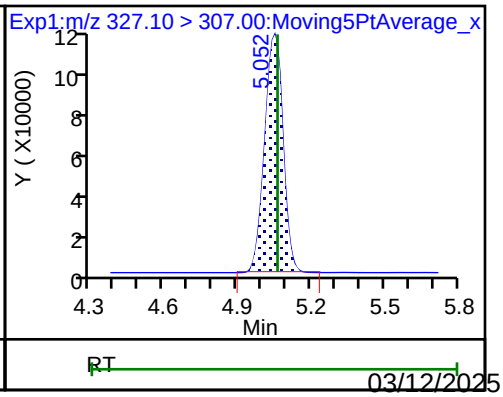
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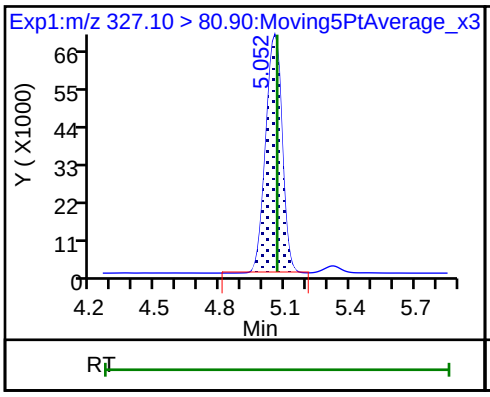
10 PFMBA



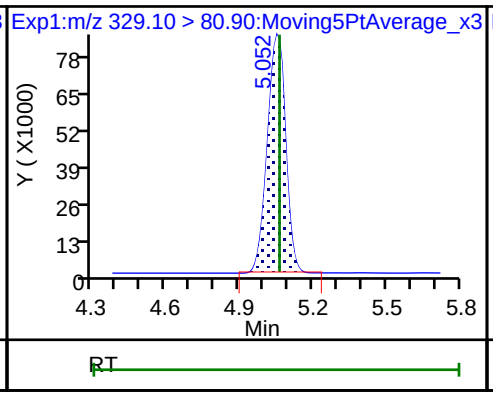
11 4:2FTS



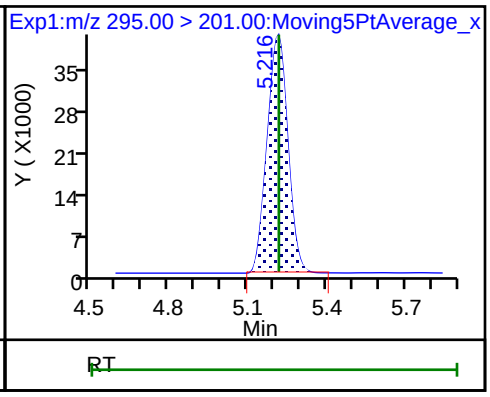
11 4:2FTS



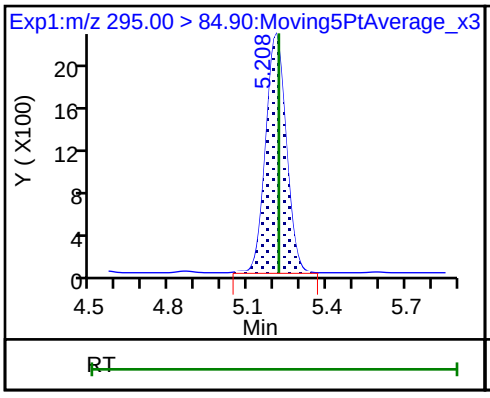
D 13 13C2-4:2FTS



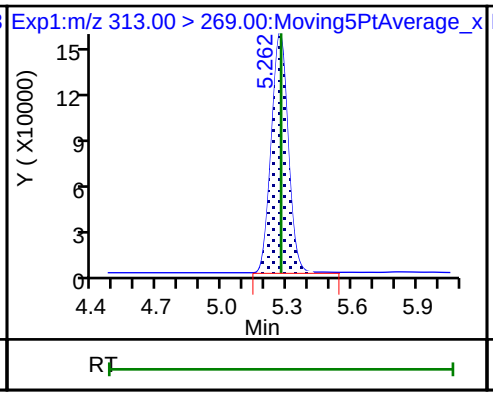
14 NFDHA



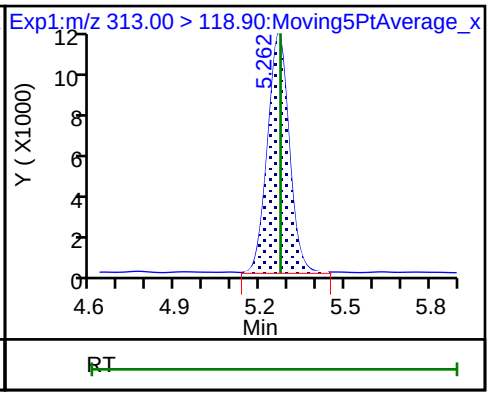
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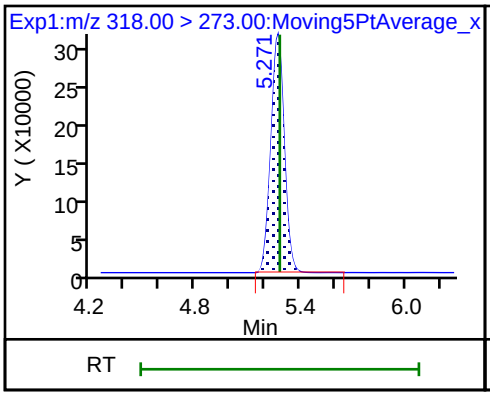
16 PFHxA



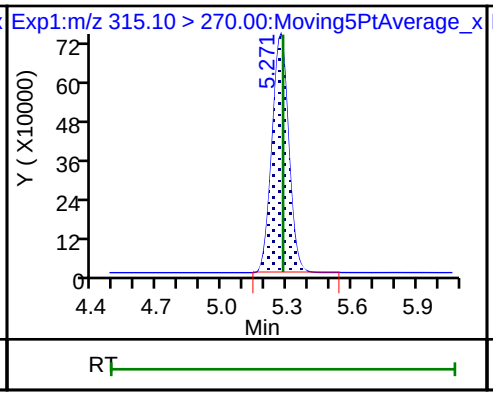
16 PFHxA



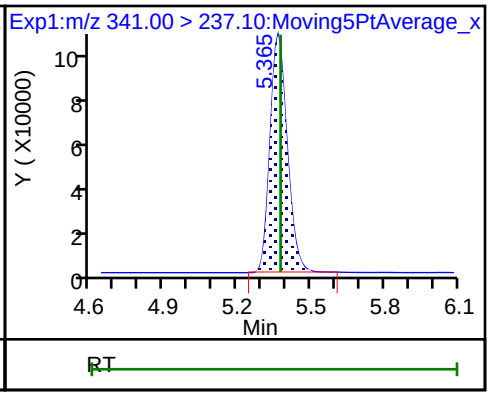
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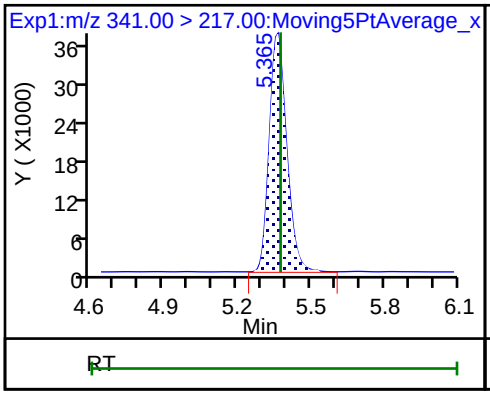
* 15 13C2 PFHxA



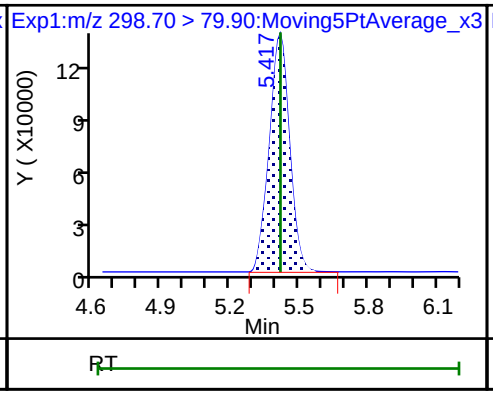
18 5:3 FTCA



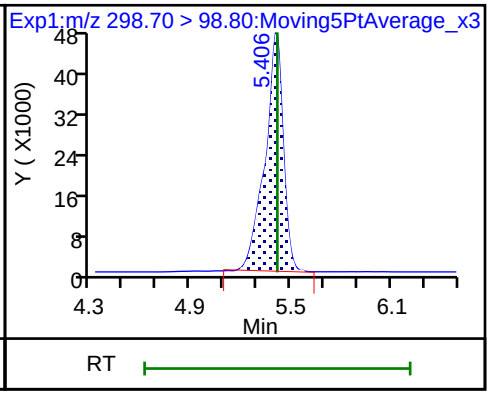
18 5:3 FTCA



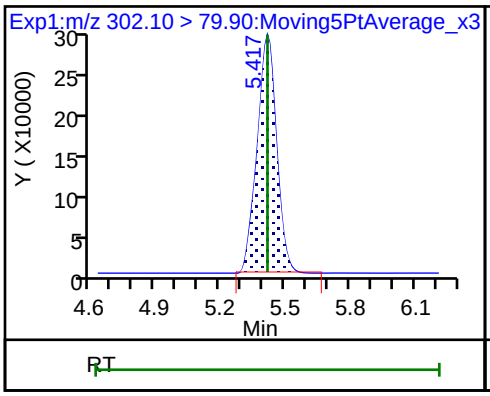
19 PFBS



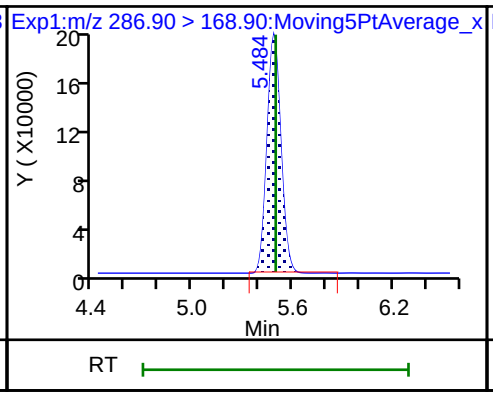
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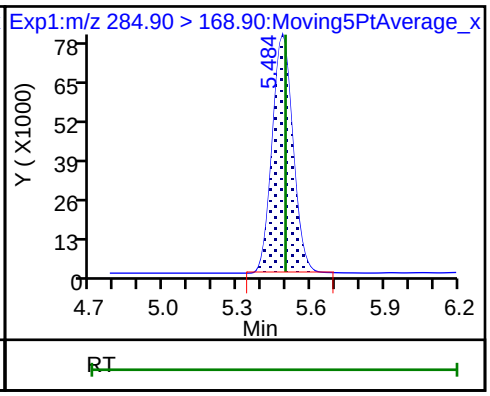
D 20 13C3 PFBS



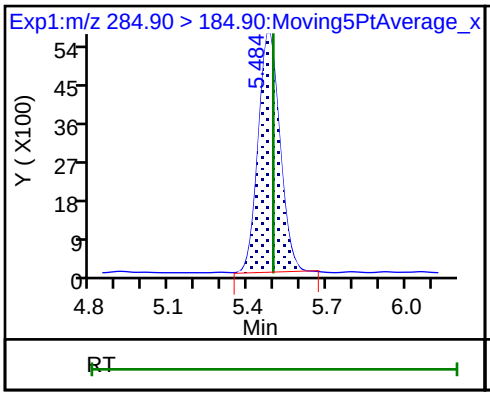
D 22 13C3 HFPO-DA



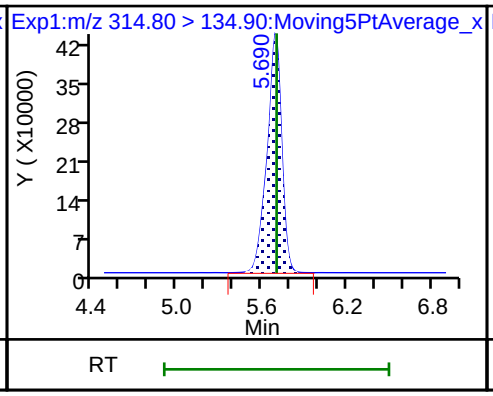
21 HFPO-DA



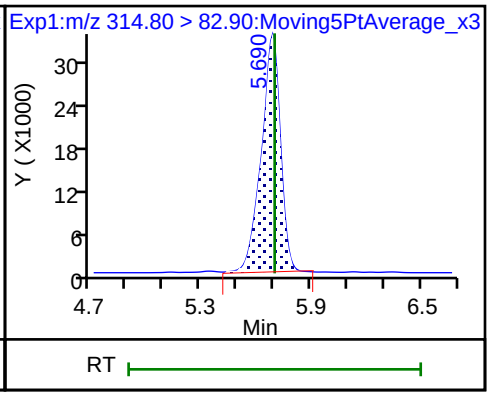
21 HFPO-DA



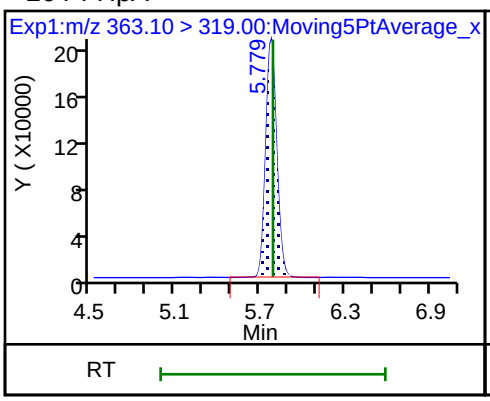
24 PFEESA



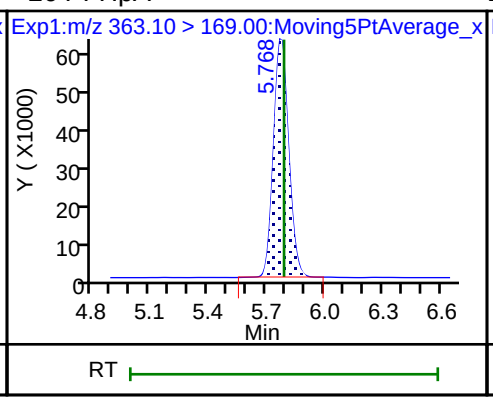
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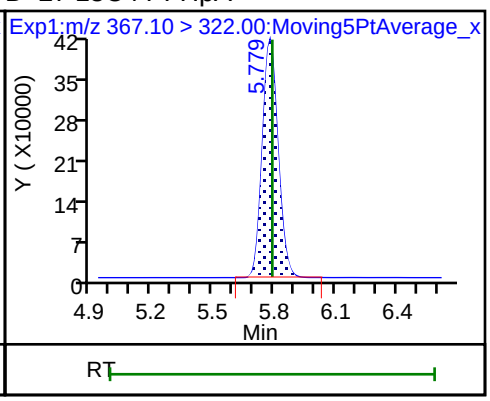
26 PFHpA



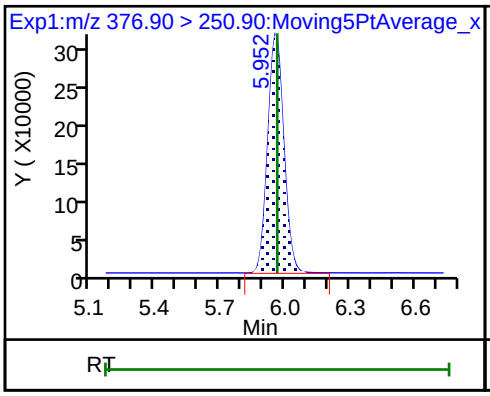
26 PFHpA



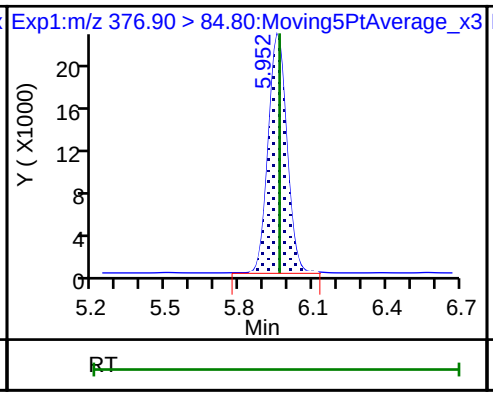
D 27 13C4 PFHpA



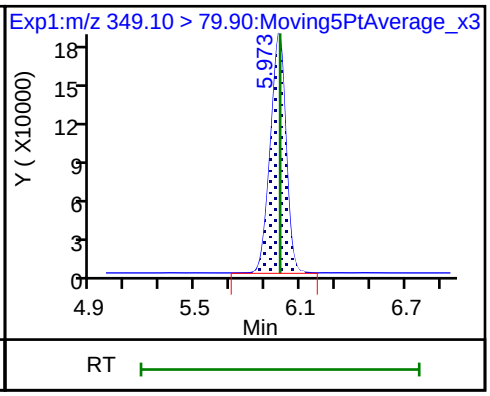
28 ADONA



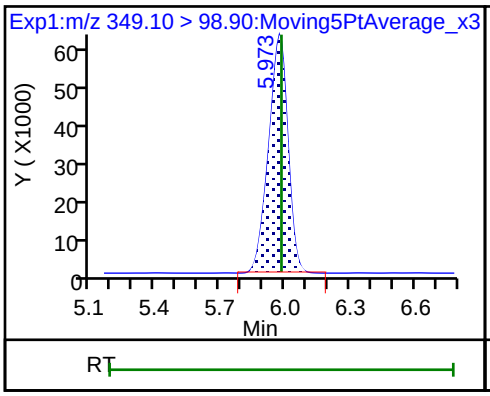
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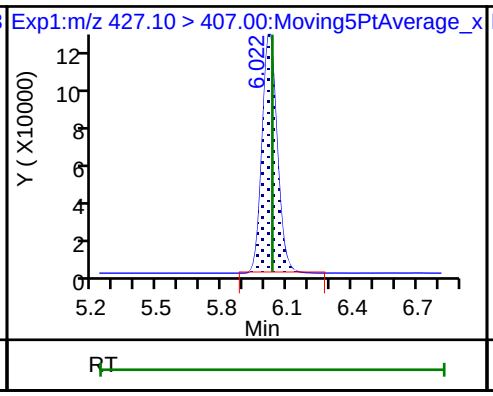
29 PFPeS



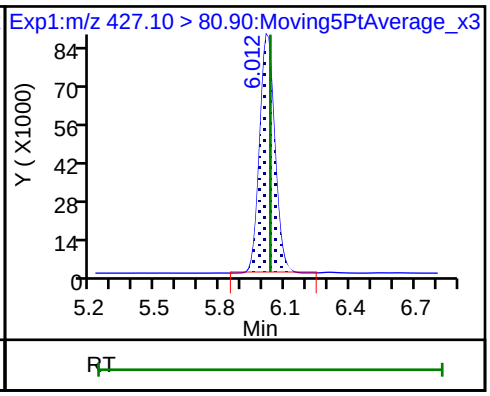
29 PFPeS



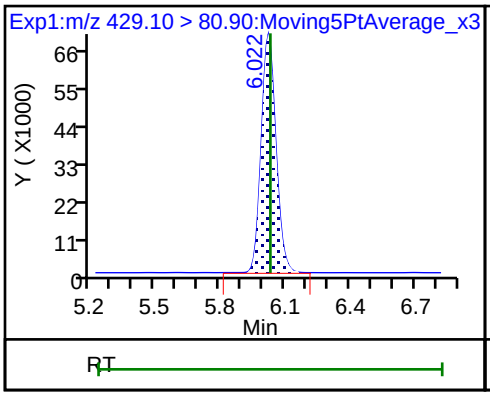
30 6:2FTS



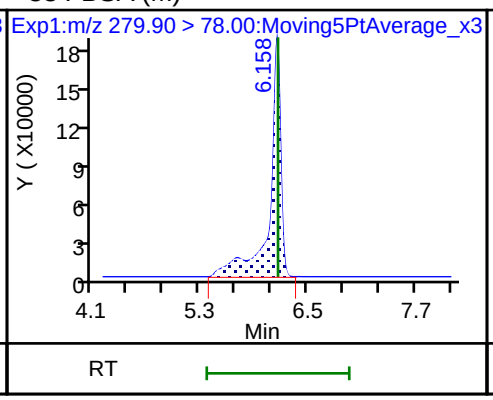
30 6:2FTS



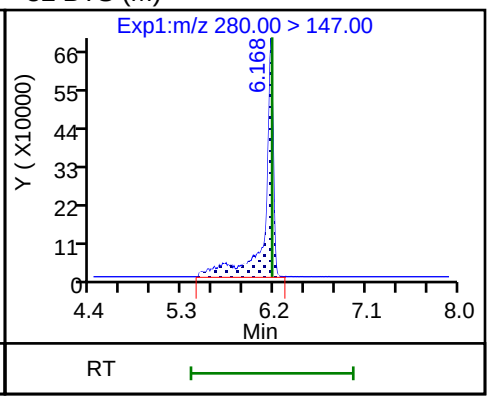
D 31 13C2-6:2FTS



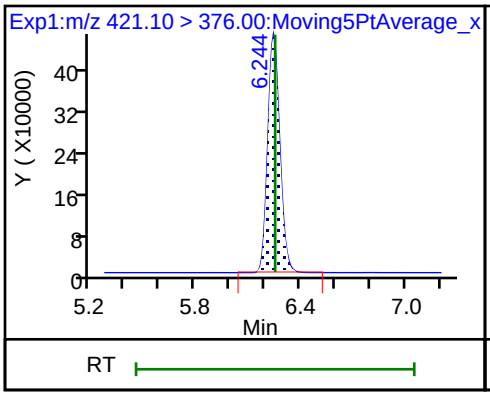
33 FBSA (M)



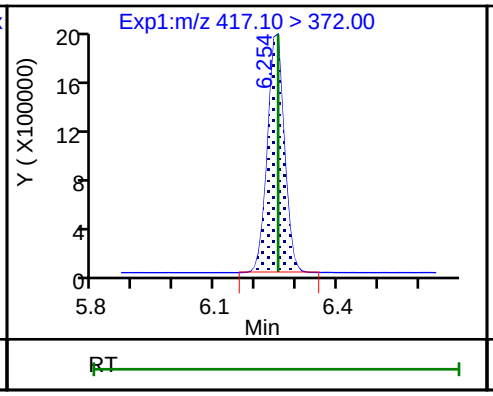
32 BTS (M)



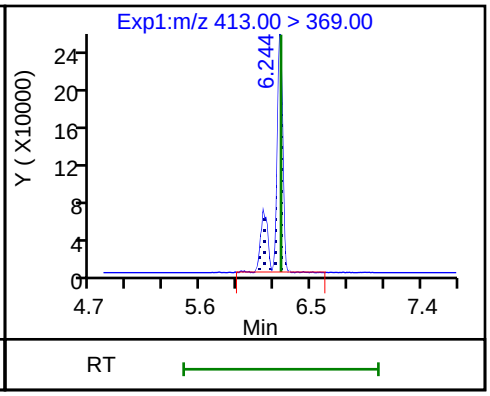
D 34 13C8 PFOA



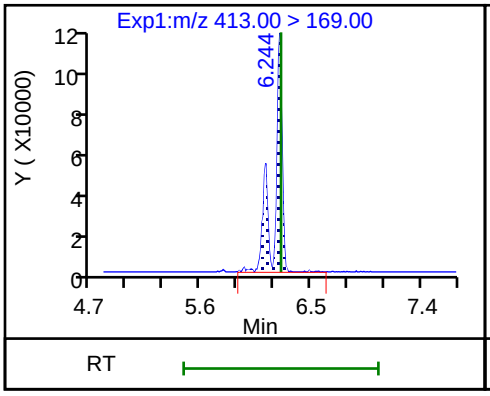
* 35 13C4 PFOA



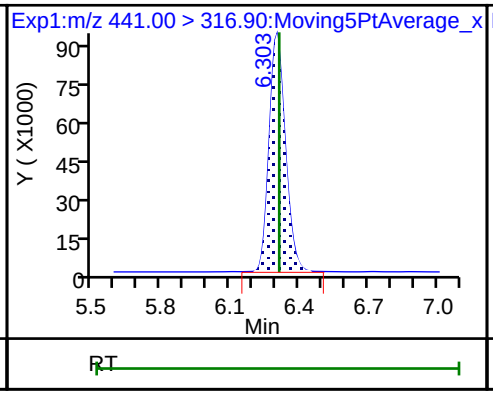
36 PFOA



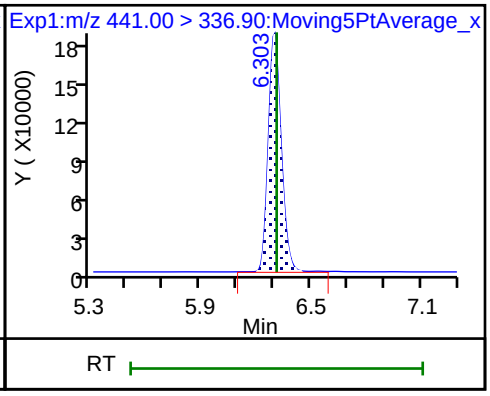
36 PFOA



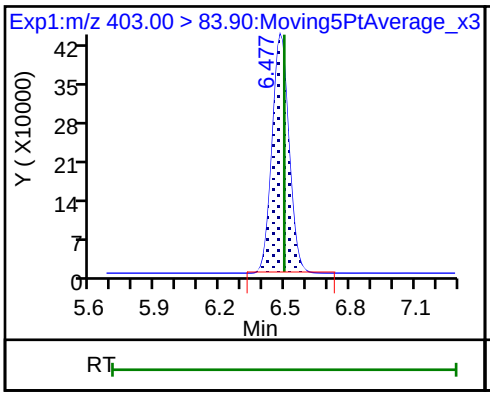
37 7:3 FTCA



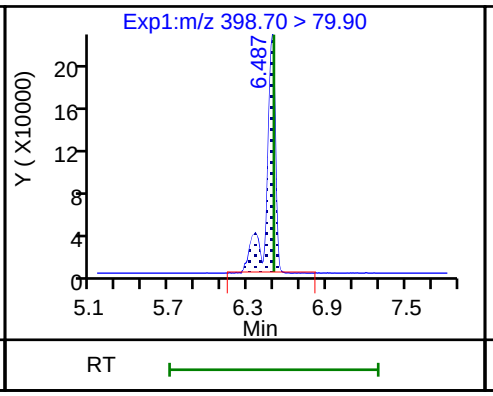
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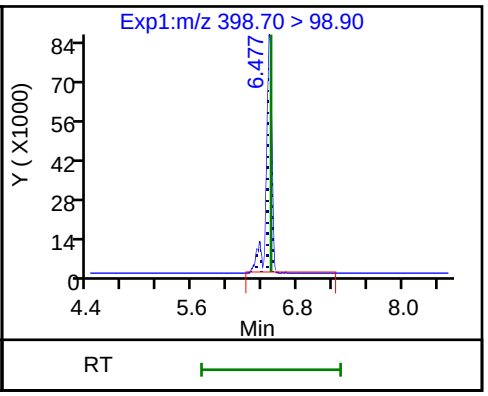
* 38 18O2 PFHxS



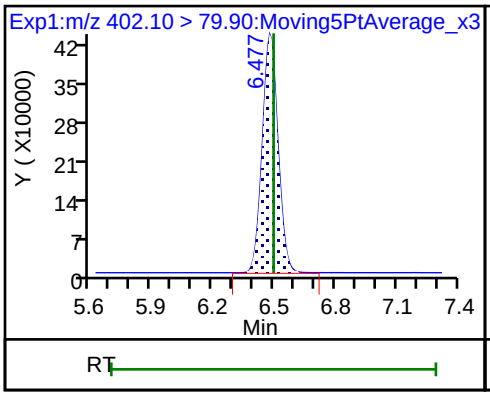
40 PFHxS



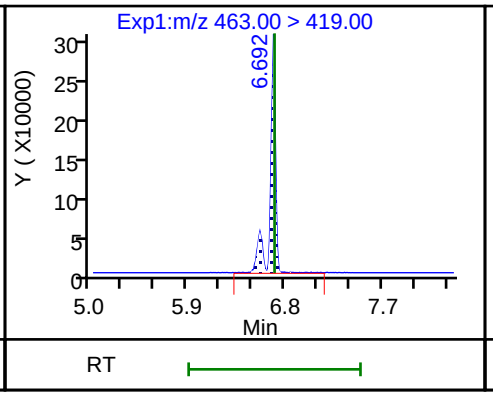
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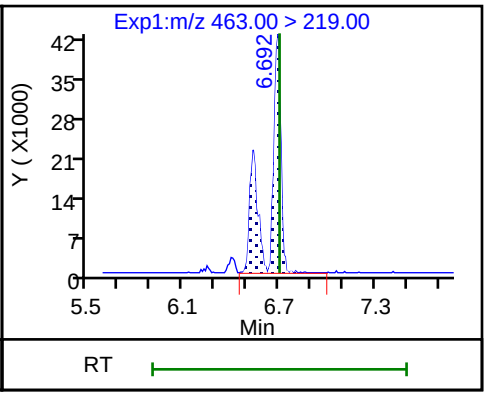
D 39 13C3 PFHxS



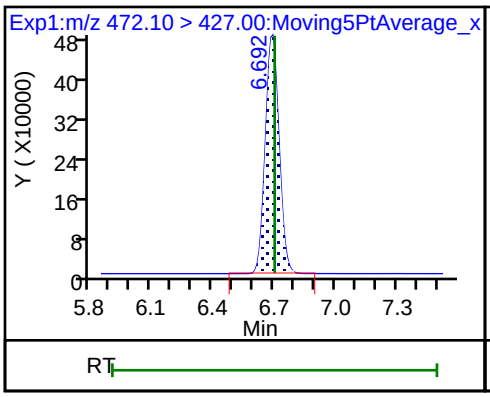
42 PFNA



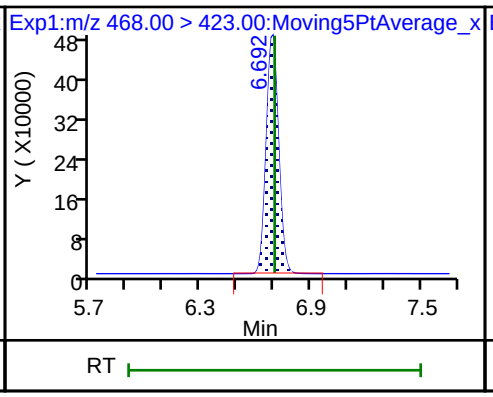
42 PFNA



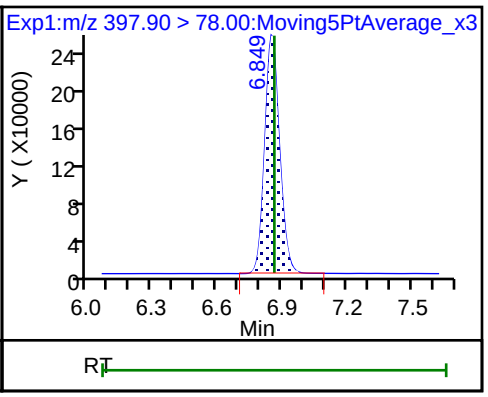
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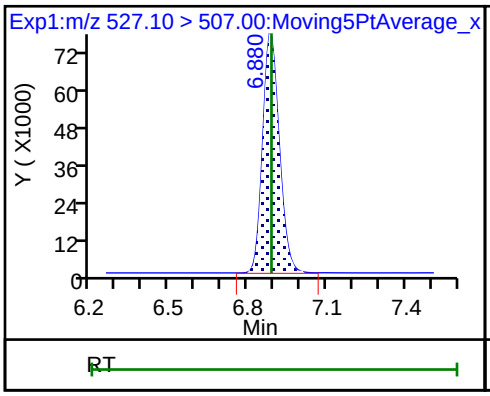
* 43 13C5 PFNA



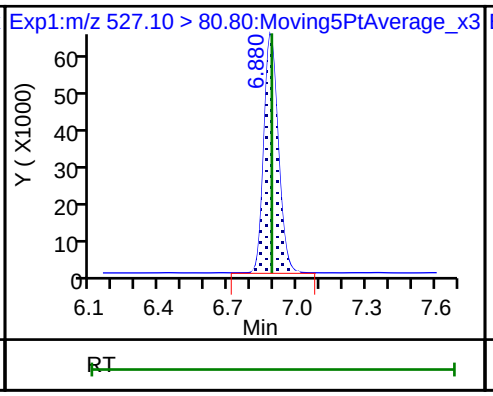
48 FHxSA



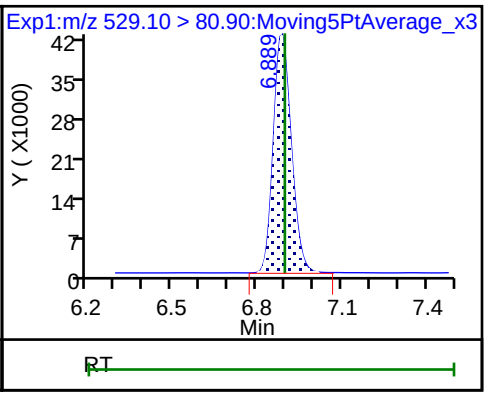
44 8:2FTS



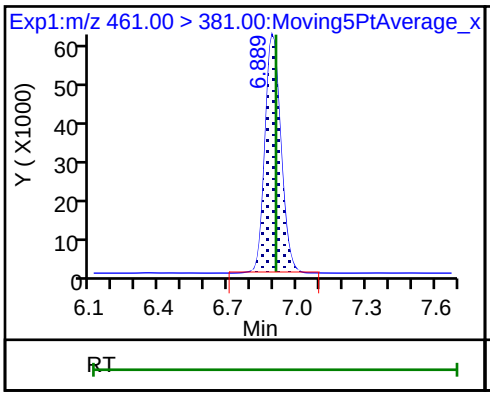
44 8:2FTS



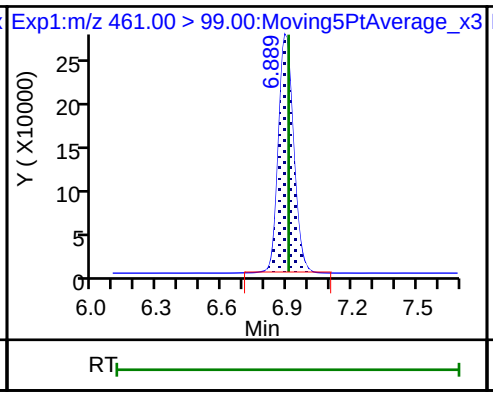
D 45 13C2-8:2FTS



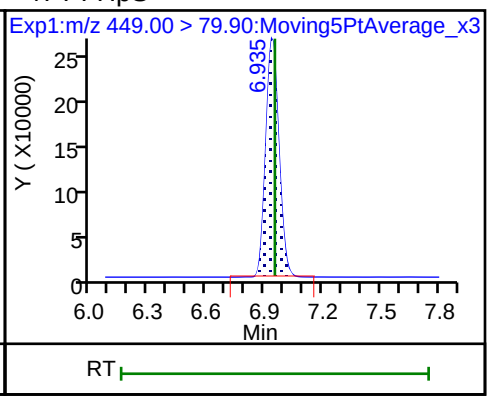
46 PFECHS



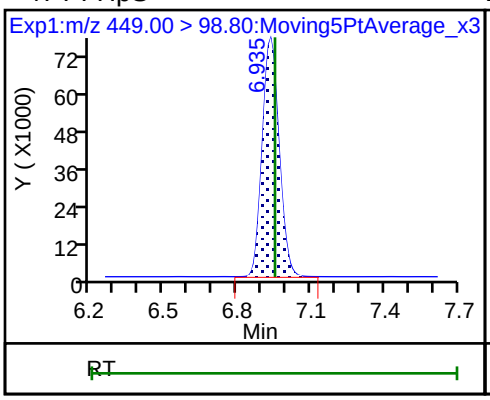
46 PFECHS



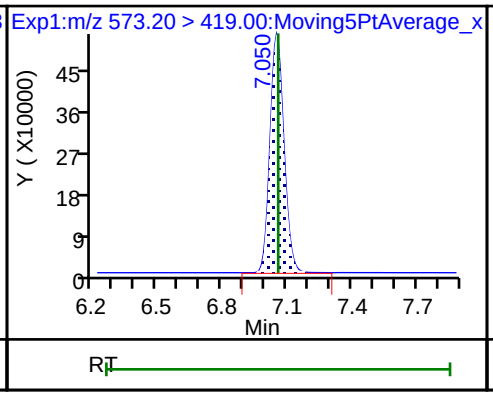
47 PFHpS



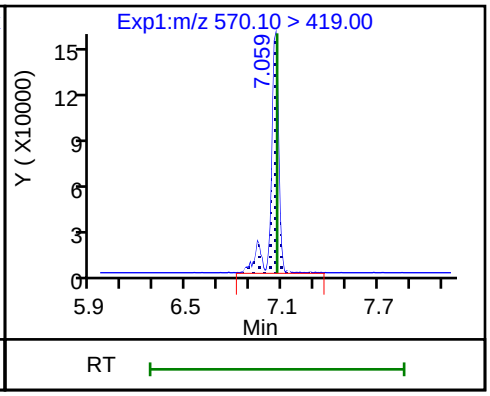
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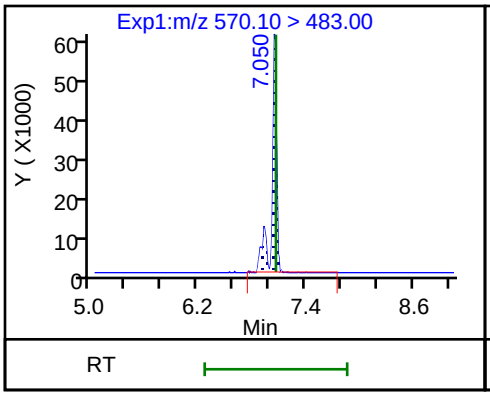
D 50 d3-NMeFOSAA



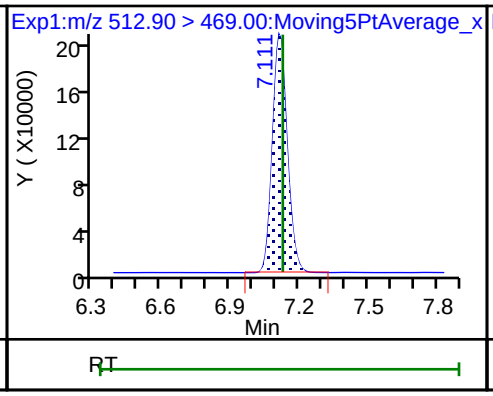
49 NMeFOSAA



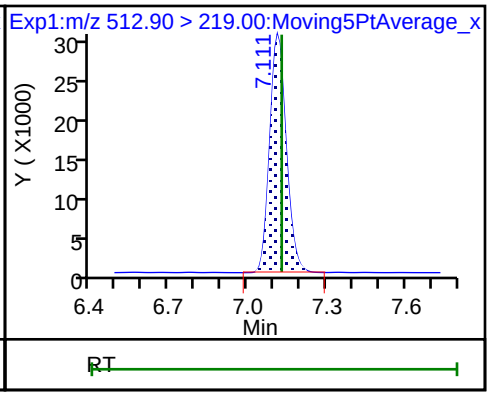
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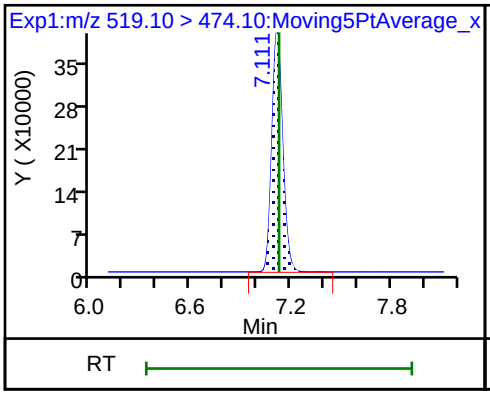
51 PFDA



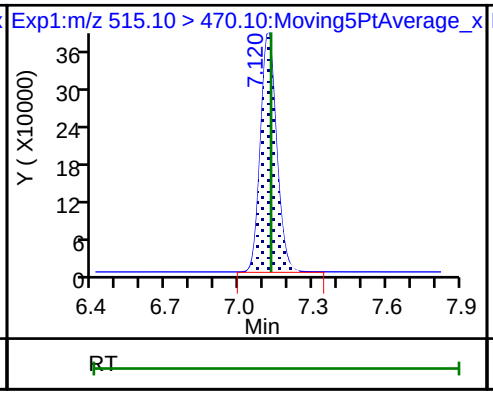
51 PFDA



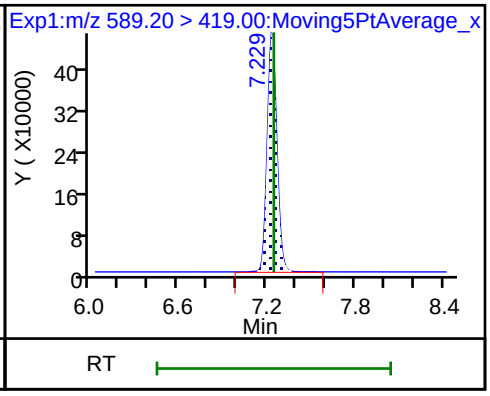
D 53 13C6 PFDA



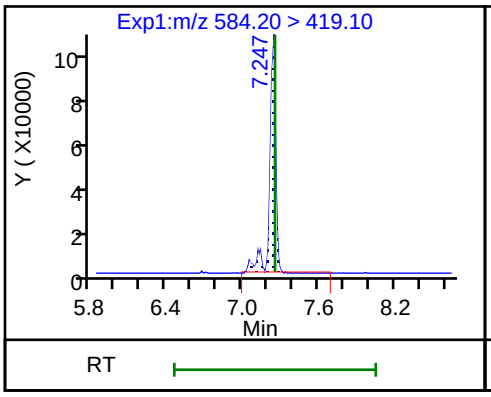
* 52 13C2 PFDA



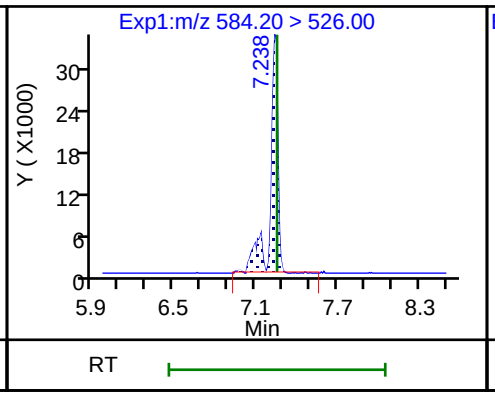
D 54 d5-NEtFOSAA



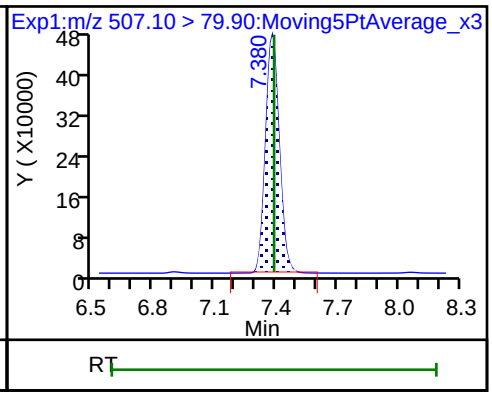
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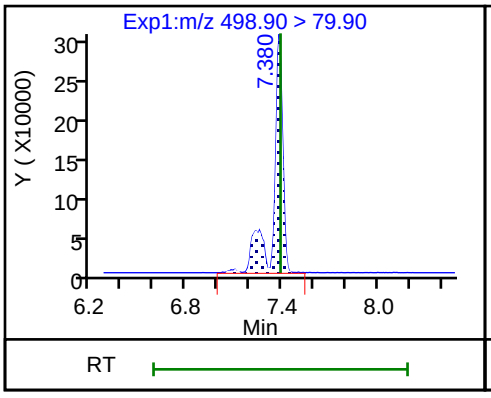
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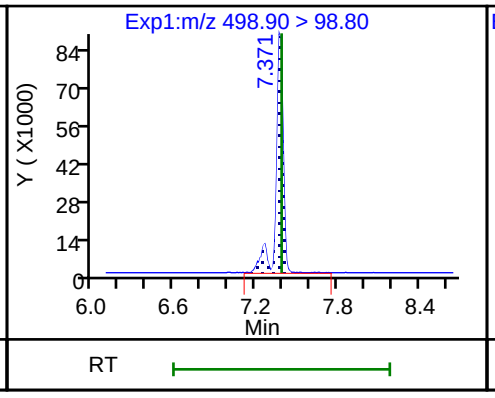
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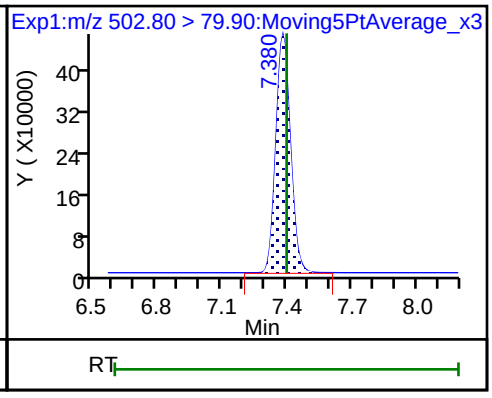
58 PFOS



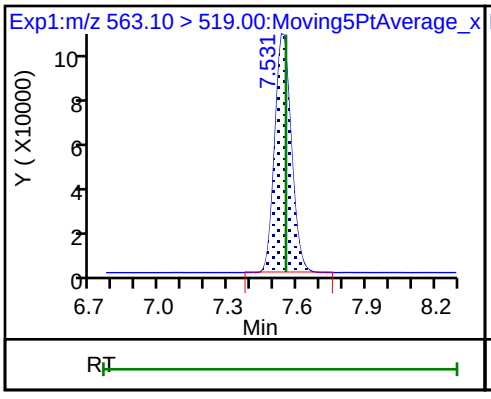
58 PFOS



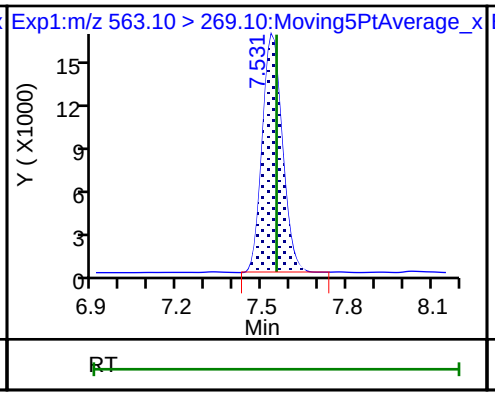
* 57 13C4 PFOS



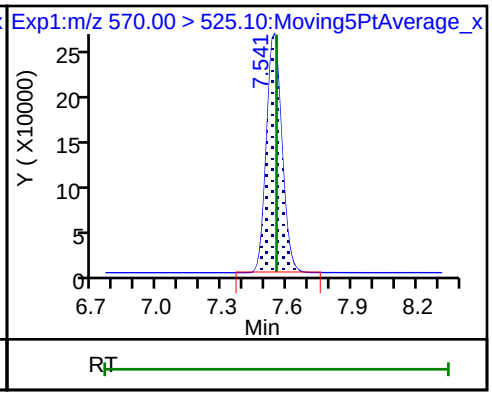
59 PFUnA



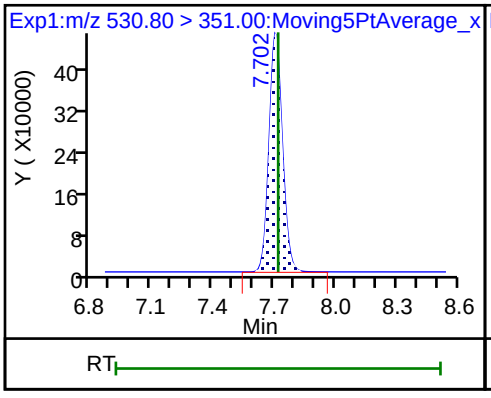
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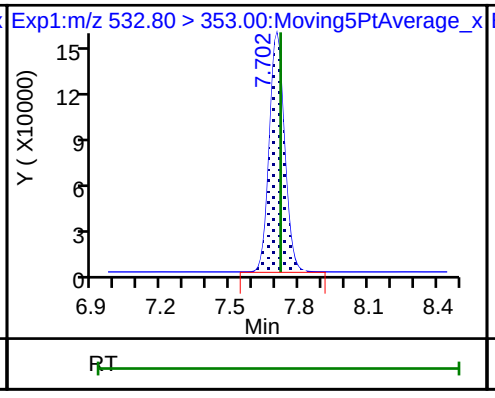
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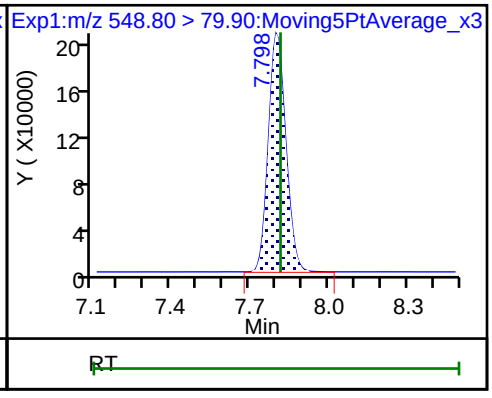
61 9ClFOS



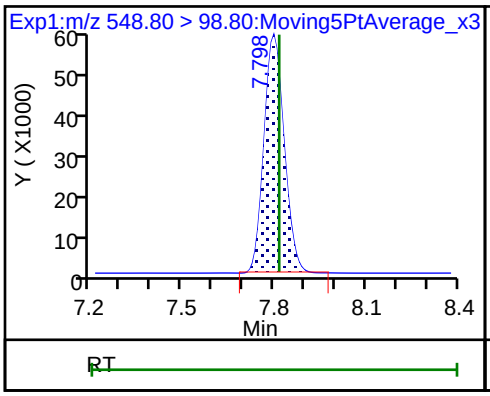
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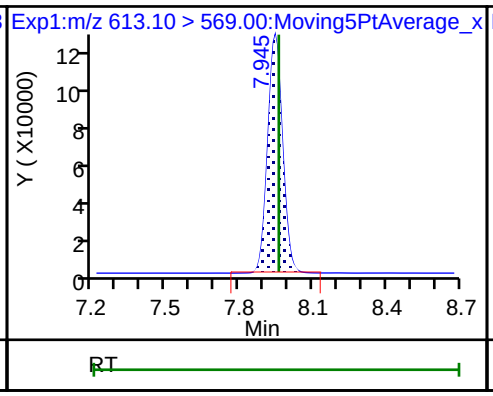
62 PFNS



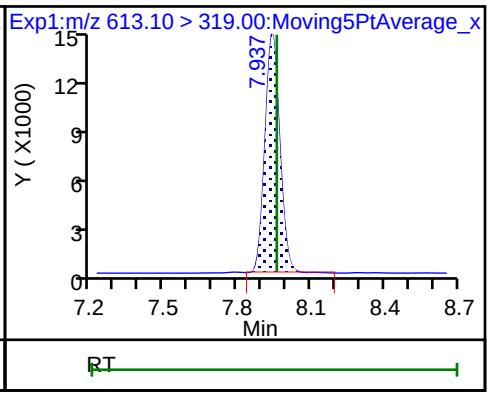
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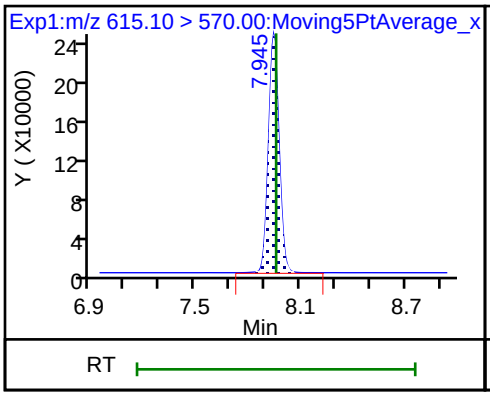
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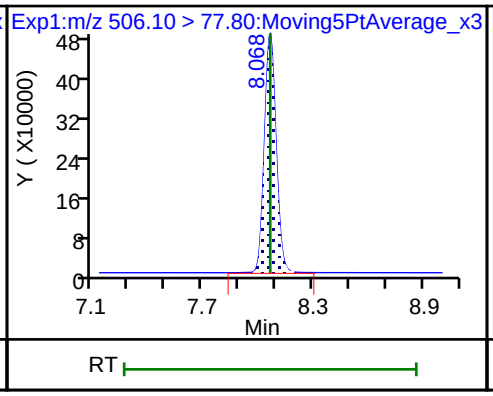
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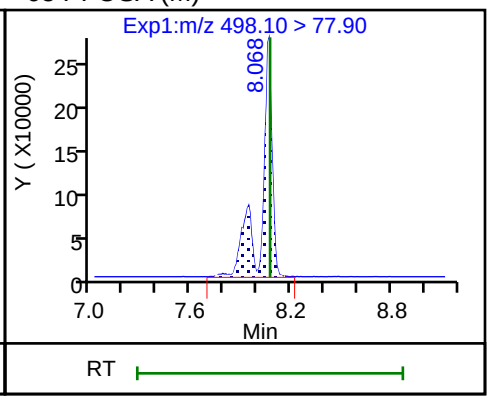
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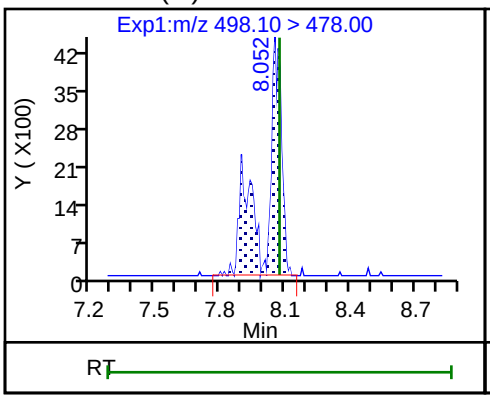
D 66 13C8 FOSA



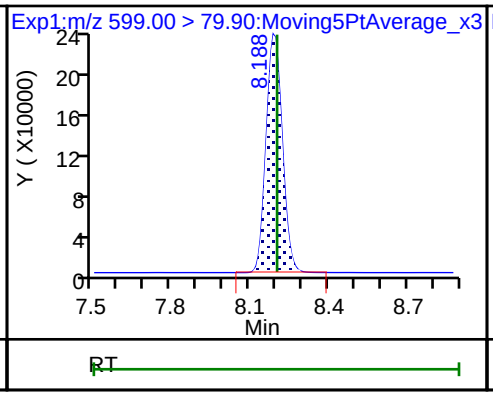
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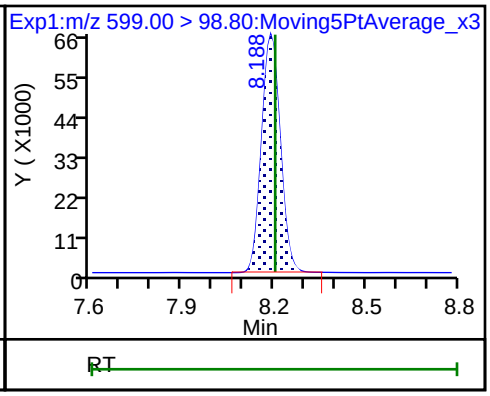
65 PFOSA (M)



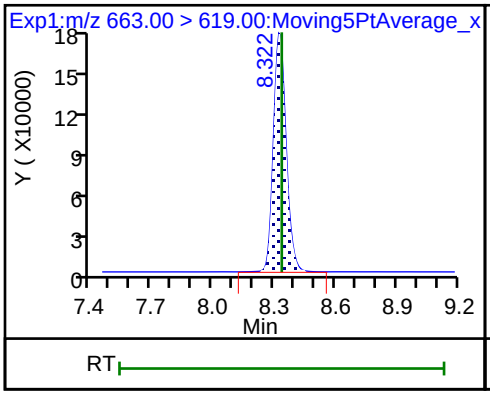
67 PFDS



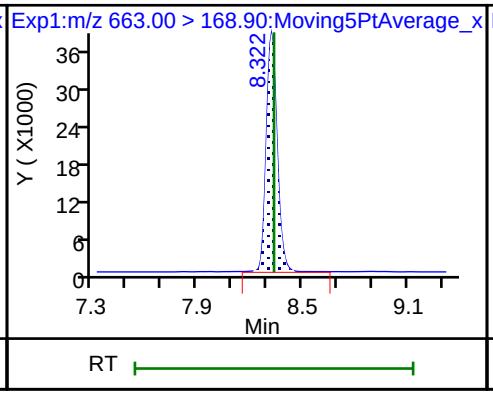
67 PFDS



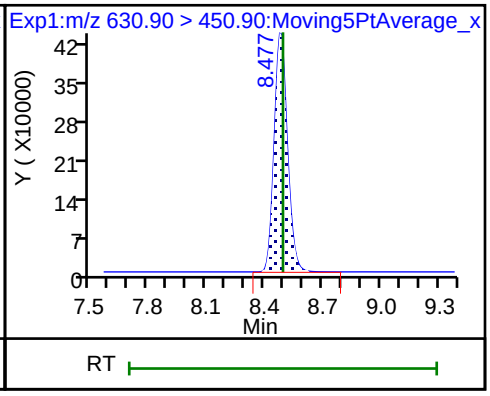
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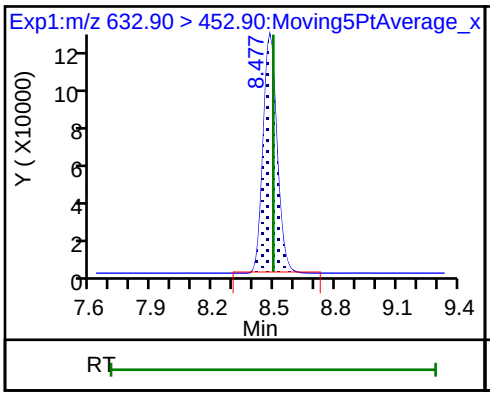
68 PFTrDA



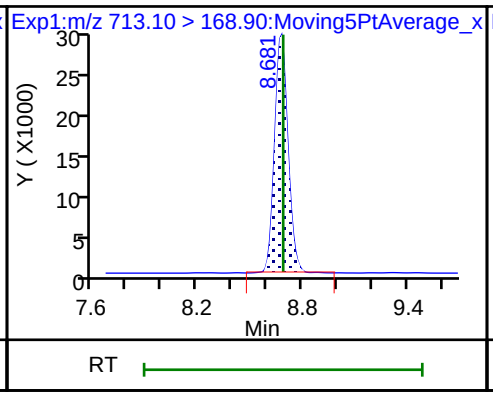
69 11ClFOS



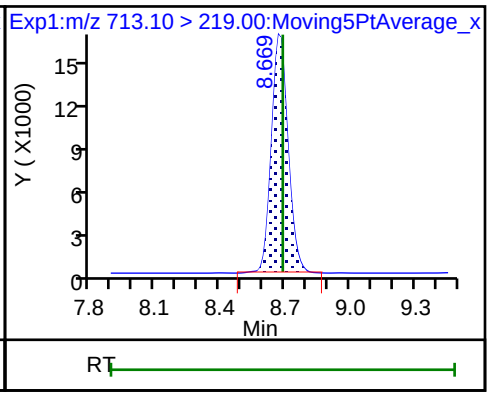
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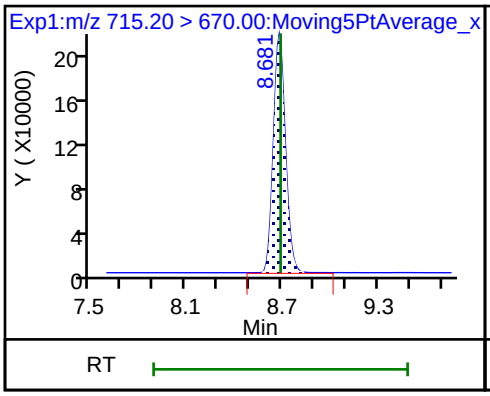
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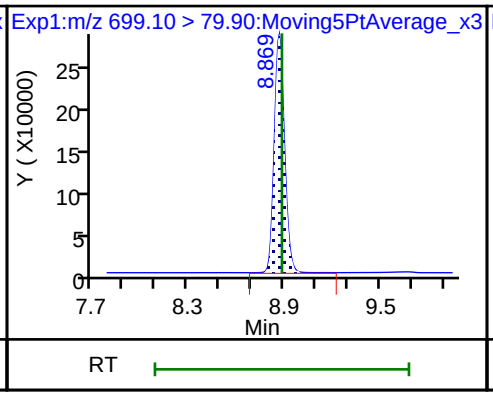
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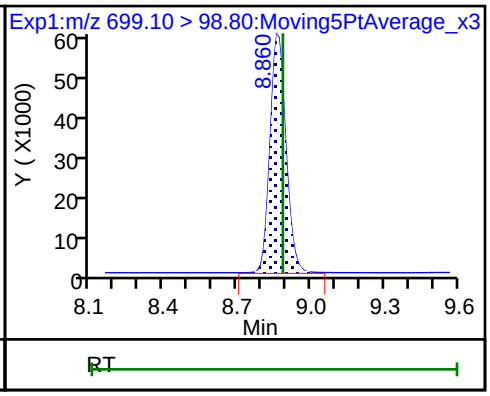
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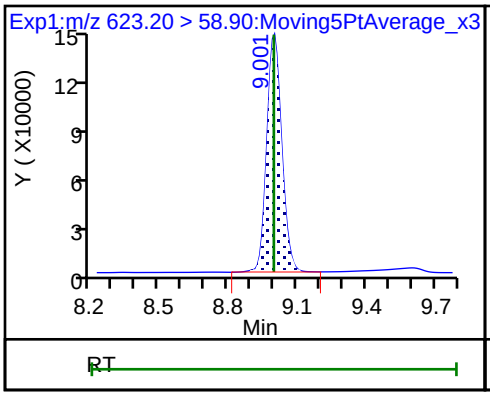
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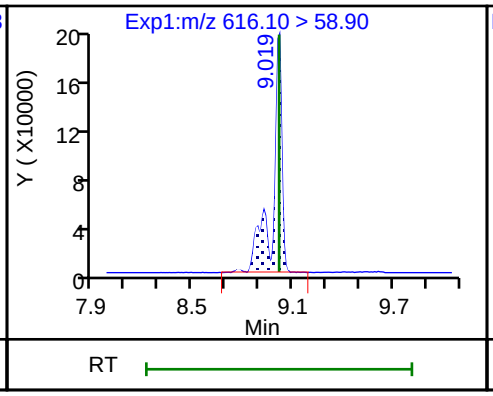
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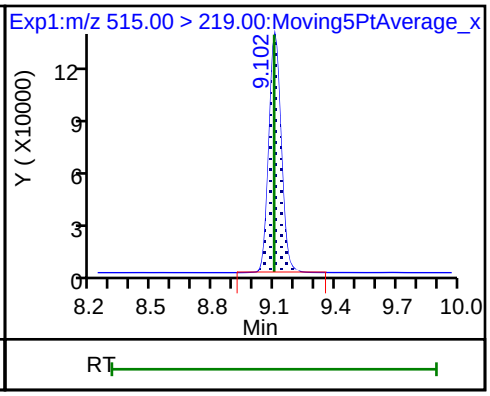
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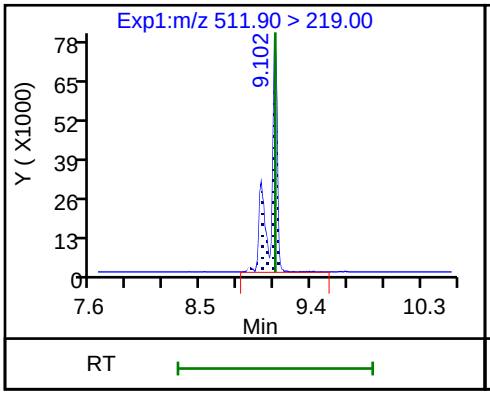
74 N-MeFOSE-M



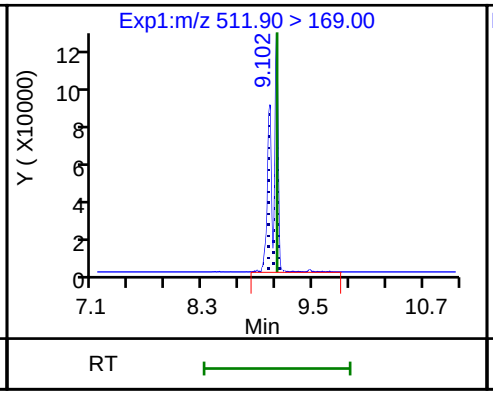
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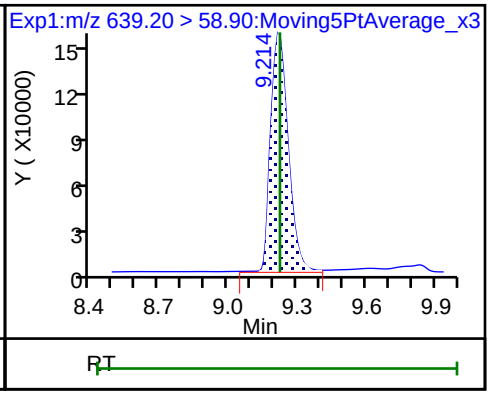
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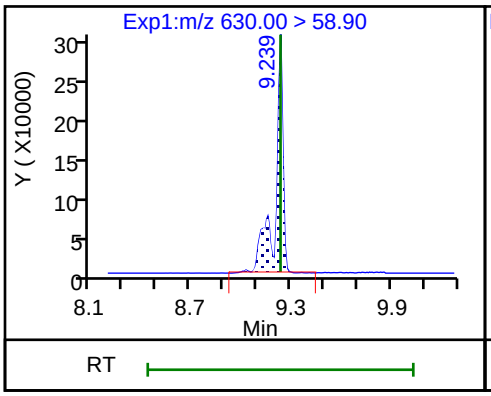
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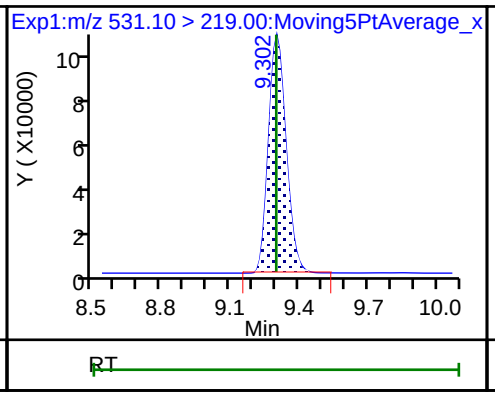
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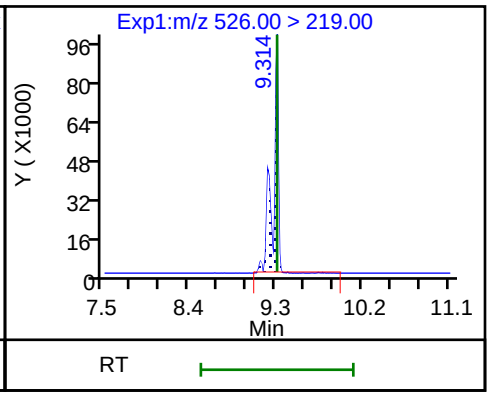
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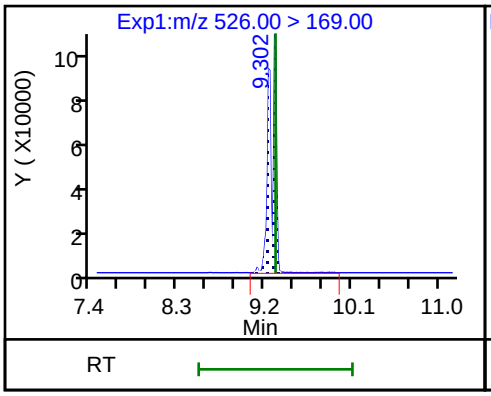
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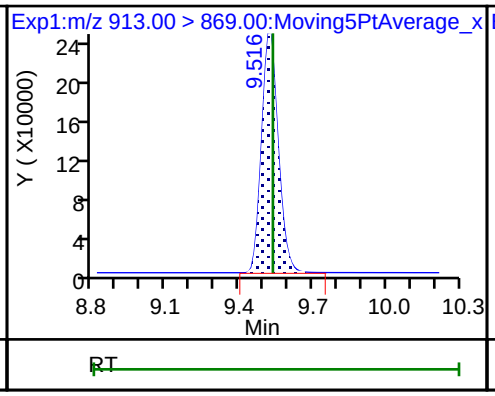
80 N-EtFOSA-M



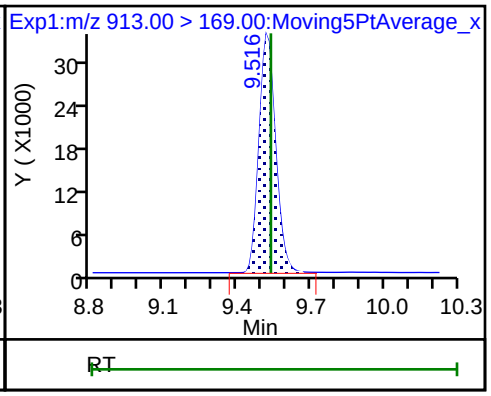
80 N-EtFOSA-M



81 Perfluorooctadecanoic acid



81 Perfluorooctadecanoic acid



FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: ICV 410-613974/10 Calibration Date: 03/06/2025 21:15

Instrument ID: 30570 Calib Start Date: 03/06/2025 19:13

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 03/06/2025 20:48

Lab File ID: 25MAR06CAL-10.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoropropionic acid (PFPrA)	AveID	1.079	1.053		6.10	6.25	-2.4	30.0
Perfluorobutanoic acid	AveID	0.9380	0.8928		2.38	2.50	-4.8	30.0
Perfluoro-3-methoxypropanoic acid	AveID	1.330	1.365		1.28	1.25	2.7	30.0
3:3 FTCA	AveID	0.0690	0.0667		2.42	2.50	-3.3	30.0
Perfluoropentanoic acid	L2ID		1.354		1.38	1.25	10.2	30.0
Perfluoro(4-methoxybutanoic acid)	AveID	1.410	1.506		1.33	1.25	6.7	30.0
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	AveID	1.814	1.701		2.19	2.34	-6.2	30.0
Perfluoro-3,6-dioxaheptanoic acid	AveID	0.4349	0.3994		1.15	1.25	-8.2	30.0
Perfluorohexanoic acid	AveID	0.8207	0.7361		1.12	1.25	-10.3	30.0
5:3 FTCA	L2ID		0.0967		5.59	6.25	-10.6	30.0
Perfluorobutanesulfonic acid	AveID	0.8966	0.8976		1.11	1.11	0.1	30.0
HFPO-DA	AveID	1.082	1.078		0.934	0.938	-0.4	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	0.6023	0.6127		1.27	1.25	1.7	30.0
PFEESA	AveID	1.999	1.823		1.01	1.11	-8.8	30.0
Perfluoroheptanoic acid	AveID	0.7302	0.7516		1.29	1.25	2.9	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	2.458	2.487		1.20	1.18	1.2	30.0
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	AveID	1.765	1.795		2.41	2.37	1.7	30.0
Perfluoropentanesulfonic acid	AveID	1.201	1.180		1.15	1.18	-1.8	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	1.861	1.470		0.967	1.22	-21.0	30.0
Perfluorooctanoic acid	L2ID		0.5905		1.25	1.25	0.1	30.0
7:3 FTCA	AveID	0.0815	0.0848		6.50	6.25	4.0	30.0
Perfluorohexanesulfonic acid	AveID	0.9012	0.8304		1.05	1.14	-7.9	30.0
Perfluorononanoic acid	AveID	0.8789	0.8586		1.22	1.25	-2.3	30.0
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	AveID	1.550	1.464		2.26	2.40	-5.5	30.0
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	AveID	0.3138	0.3285		1.21	1.16	4.7	30.0
Perfluoroheptanesulfonic acid	AveID	1.297	1.342		1.23	1.19	3.5	30.0
NMeFOSAA	AveID	1.032	0.996		1.21	1.25	-3.5	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	1.266	1.298		1.28	1.25	2.5	30.0
Perfluorodecanoic acid	AveID	0.7286	0.7514		1.29	1.25	3.1	30.0
NEtFOSAA	AveID	0.8473	0.8539		1.26	1.25	0.8	30.0
Perfluorooctanesulfonic acid	AveID	1.460	1.354		1.08	1.16	-7.3	30.0
Perfluoroundecanoic acid	AveID	0.5380	0.5464		1.27	1.25	1.6	30.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	AveID	1.508	1.564		1.21	1.17	3.7	30.0
Perfluorononanesulfonic acid	AveID	1.123	1.112		1.19	1.20	-1.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: ICV 410-613974/10 Calibration Date: 03/06/2025 21:15

Instrument ID: 30570 Calib Start Date: 03/06/2025 19:13

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 03/06/2025 20:48

Lab File ID: 25MAR06CAL-10.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorododecanoic acid	AveID	0.7711	0.7672		1.24	1.25	-0.5	30.0
Perfluorooctanesulfonamide	AveID	0.9435	0.9850		1.30	1.25	4.4	30.0
Perfluorodecanesulfonic acid	AveID	1.413	1.406		1.20	1.21	-0.5	30.0
Perfluorotridecanoic acid	AveID	1.034	1.001		1.21	1.25	-3.2	30.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	AveID	1.377	1.373		1.18	1.18	-0.3	30.0
Perfluorotetradecanoic acid	AveID	0.1760	0.1763		1.25	1.25	0.2	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	1.123	1.041		1.12	1.21	-7.3	30.0
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	AveID	2.450	2.321		5.92	6.25	-5.3	30.0
NMeFOSA	AveID	0.9285	0.9289		1.25	1.25	0.0	30.0
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	AveID	3.269	3.057		5.84	6.25	-6.5	30.0
N-ethylperfluoro-1-octanesulfonamide	AveID	0.8831	0.9321		1.32	1.25	5.5	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	1.225	1.181		1.20	1.25	-3.6	30.0
13C3 PFPrA	Ave	0.9027	0.8371		1.85	2.00	-7.3	30.0
13C4 PFBA	Ave	1.075	1.027		1.91	2.00	-4.4	30.0
13C5 PFPeA	Ave	0.999	0.999		2.00	2.00	-0.0	30.0
M2-4:2 FTS	Ave	0.2565	0.2340		4.28	4.69	-8.8	30.0
13C5 PFHxA	Ave	1.344	1.425		2.12	2.00	6.0	30.0
13C3 PFBS	Ave	1.254	1.213		1.80	1.86	-3.3	30.0
13C3 HFPO-DA	Ave	1.218	1.248		2.05	2.00	2.5	30.0
13C4 PFHpA	Ave	1.274	1.292		2.03	2.00	1.4	30.0
M2-6:2 FTS	Ave	0.2144	0.1971		4.38	4.76	-8.1	30.0
13C8 PFOA	Ave	0.9920	0.9844		1.98	2.00	-0.8	30.0
13C3 PFHxS	Ave	0.9677	0.9827		1.93	1.90	1.6	30.0
13C9 PFNA	Ave	0.9797	0.9155		1.87	2.00	-6.5	30.0
M2-8:2 FTS	Ave	0.1805	0.1770		4.71	4.80	-1.9	30.0
d3-NMeFOSAA	Ave	0.6400	0.5697		4.45	5.00	-11.0	30.0
13C6 PFDA	Ave	1.021	0.9640		1.89	2.00	-5.6	30.0
d5-NEtFOSAA	Ave	0.5408	0.4857		4.49	5.00	-10.2	30.0
13C8 PFOS	Ave	1.001	0.9929		1.90	1.92	-0.8	30.0
13C7 PFUnA	Ave	1.063	0.9887		1.86	2.00	-7.0	30.0
13C2 PFDoA	Ave	0.9152	0.8341		1.82	2.00	-8.9	30.0
13C8 FOSA	Ave	1.071	1.040		1.94	2.00	-3.0	30.0
13C2 PFTeDA	Ave	0.6497	0.6199		1.91	2.00	-4.6	30.0
d7-N-MeFOSE-M	Ave	0.1538	0.1503		4.89	5.00	-2.3	30.0
d3-NMePFOSA	Ave	0.3527	0.3542		2.01	2.00	0.4	30.0
d9-N-EtFOSE-M	Ave	0.1933	0.1826		4.72	5.00	-5.5	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: ICV 410-613974/10 Calibration Date: 03/06/2025 21:15

Instrument ID: 30570 Calib Start Date: 03/06/2025 19:13

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 03/06/2025 20:48

Lab File ID: 25MAR06CAL-10.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d5-NEtPFOSA	Ave	0.4832	0.4752		1.97	2.00	-1.6	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\25MAR06CAL-10.d
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 06-Mar-2025 21:15:38 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: Plate: 1 Rack: 1
Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570
Sublist:

Method: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\30570-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 07-Mar-2025 18:47:49 Calib Date: 06-Mar-2025 20:48:33
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\25MAR06CAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1645

First Level Reviewer: RPU6 Date: 06-Mar-2025 21:47:11
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C3PFPrA										
166.00 > 121.00	1.983	2.026	-0.043	0.480	1653641	1.85		92.7	398	
2 Perfluoropropionic acid										
163.00 > 119.00	2.033	2.026	0.007	1.025	5440779	6.10			84.2	
5 PFBA										
212.80 > 168.90	4.126	4.119	0.007	1.000	2264168	2.38			2958	
D 3 13C4-PFBA										
216.80 > 171.90	4.126	4.119	0.007	0.998	2028818	1.91		95.6	54187	
* 4 13C3PFBA										
216.00 > 172.00	4.133	4.127	0.006		1975400	2.00			2729	
6 PFMPA										
229.00 > 84.90	4.429	4.430	-0.001	0.930	1285513	1.28			48517	
7 3:3 FTCA										
241.00 > 177.00	4.439	4.439	0.0	0.932	125604	2.42	Target=1.52		9473	
241.00 > 117.00	4.439	4.439	0.0	0.932	84381		1.49(0.76-2.29)		4781	
D 8 13C5 PFPeA										
268.30 > 223.00	4.762	4.755	0.007	0.908	1506399	2.00		100.0	100300	
9 PFPA										
263.00 > 219.00	4.762	4.762	0.0	1.000	1275103	1.38			37807	
10 PFMBA										
279.00 > 85.10	4.926	4.926	0.0	1.034	1417554	1.33			61547	
11 4:2FTS										
327.10 > 307.00	5.049	5.049	0.0	1.000	590450	2.19	Target=1.56		43417	
327.10 > 80.90	5.049	5.049	0.0	1.000	371570		1.59(0.78-2.34)		9056	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.049	5.049	0.0	0.797	697328	4.28		91.2	38573	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.196	5.196	0.0	0.992	536273	1.15	Target=1.56		38508	
295.00 > 84.90	5.196	5.196	0.0	0.992	309967		1.73(0.78-2.34)		22297	
17 PFHxA										
313.00 > 269.00	5.246	5.236	0.010	1.002	988329	1.12	Target=11.59		29177	
313.00 > 118.90	5.246	5.236	0.010	1.002	94515		10.46(5.80-17.39)		6479	
* 16 13C2 PFHxA										
315.10 > 270.00	5.246	5.236	0.010		3769511	5.00			129836	
D 15 13C5 PFHxA										
318.00 > 273.00	5.235	5.236	-0.001	0.998	2148309	2.12		106	111015	
18 5:3 FTCA										
341.00 > 237.10	5.331	5.321	0.010	1.018	649187	5.59	Target=0.73		22688	
341.00 > 217.00	5.321	5.321	0.0	1.016	902257		0.72(0.36-1.09)		46981	
D 20 13C3 PFBS										
302.10 > 79.90	5.385	5.385	0.0	0.850	1436429	1.80		96.7	106196	
19 PFBS										
298.70 > 79.90	5.385	5.385	0.0	1.000	767832	1.11	Target=2.92		42530	
298.70 > 98.80	5.385	5.385	0.0	1.000	266259		2.88(1.46-4.37)		19718	
21 HFPO-DA										
284.90 > 168.90	5.431	5.431	0.0	1.000	950873	0.9336	Target=2.57		28499	
284.90 > 184.90	5.431	5.431	0.0	1.000	353326		2.69(1.28-3.85)		14872	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.431	5.431	0.0	1.035	1882342	2.05		102	100614	
23 FBSA										
297.90 > 78.00	5.451	5.441	0.010	1.012	590174	1.27			23264	
26 PFEESA										
314.80 > 134.90	5.631	5.630	0.001	1.076	2178382	1.01	Target=12.48		145054	
314.80 > 82.90	5.631	5.630	0.001	1.076	179586		12.13(6.24-18.71)		12098	
28 PFHpA										
363.10 > 319.00	5.683	5.681	0.002	1.000	915024	1.29	Target=1.91		30681	
363.10 > 169.00	5.683	5.681	0.002	1.000	468993		1.95(0.96-2.87)		31377	
D 27 13C4 PFHpA										
367.10 > 322.00	5.683	5.681	0.002	1.083	1947769	2.03		101	97382	
29 ADONA										
376.90 > 250.90	5.837	5.836	0.001	1.075	2767472	1.20	Target=2.10		101429	
376.90 > 84.80	5.837	5.836	0.001	1.075	1337354		2.07(1.05-3.14)		73800	
30 PFPeS										
349.10 > 79.90	5.882	5.872	0.010	0.929	865534	1.15	Target=3.36		62478	
349.10 > 98.90	5.882	5.872	0.010	0.929	240923		3.59(1.68-5.04)		17279	
31 6:2FTS										
427.10 > 407.00	5.882	5.882	0.0	1.000	532521	2.41	Target=1.65		38961	
427.10 > 80.90	5.882	5.882	0.0	1.000	311986		1.71(0.83-2.48)		22599	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.882	5.882	0.0	0.929	595993	4.38		91.9	43444	
33 BTS										
280.00 > 147.00	6.052	6.043	0.009	0.956	1122918	0.9665			85365	
D 34 13C8 PFOA										
421.10 > 376.00	6.094	6.085	0.009	0.999	2250905	1.98		99.2	101732	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
36 PFOA										
413.00 > 369.00	6.094	6.085	0.009	1.000	830777	1.25	Target=1.59		122276	
413.00 > 169.00	6.103	6.085	0.018	1.001	523258		1.59(0.79-2.38)		815	
* 35 13C4 PFOA										
417.10 > 372.00	6.103	6.093	0.010		5716253	5.00			10662	
37 7:3 FTCA										
441.00 > 316.90	6.199	6.181	0.018	1.184	569117	6.50	Target=0.64		24703	
441.00 > 336.90	6.199	6.181	0.018	1.184	904307		0.63(0.32-0.96)		48257	
D 39 13C3 PFHxS										
402.10 > 79.90	6.331	6.321	0.010	1.000	1183832	1.93		102	84968	
* 38 18O2 PFHxS										
403.00 > 83.90	6.331	6.321	0.010		1202100	1.89			85768	
40 PFHxS										
398.70 > 79.90	6.331	6.330	0.001	1.000	591054	1.05	Target=3.42		1286	
398.70 > 98.90	6.340	6.330	0.010	1.001	176519		3.35(1.71-5.12)		526	
43 PFNA										
463.00 > 419.00	6.518	6.499	0.019	1.001	1122715	1.22	Target=2.53		1622	
463.00 > 219.00	6.509	6.499	0.010	1.000	442297		2.54(1.26-3.79)		596	
D 42 13C9 PFNA										
472.10 > 427.00	6.509	6.499	0.010	1.000	2092165	1.87		93.5	148258	
* 41 13C5 PFNA										
468.00 > 423.00	6.509	6.499	0.010		2285187	2.00			162476	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.695	6.686	0.009	1.058	539861	4.71		98.1	39272	
44 8:2FTS										
527.10 > 507.00	6.695	6.686	0.009	1.000	394448	2.26	Target=1.68		28707	
527.10 > 80.80	6.695	6.686	0.009	1.000	243191		1.62(0.84-2.52)		17739	
46 PFECHS										
461.00 > 381.00	6.733	6.723	0.010	1.063	236929	1.21	Target=0.26		16428	
461.00 > 99.00	6.733	6.723	0.010	1.063	854811		0.28(0.13-0.39)		59063	
47 PFHpS										
449.00 > 79.90	6.770	6.760	0.010	0.941	806948	1.23	Target=3.85		57427	
449.00 > 98.80	6.770	6.760	0.010	0.941	212652		3.79(1.92-5.77)		14868	
D 48 d3-NMeFOSAA										
573.20 > 419.00	6.853	6.843	0.010	0.953	1446126	4.45		89.0	60472	
49 NMeFOSAA										
570.10 > 419.00	6.864	6.853	0.011	1.002	360261	1.21	Target=1.84		1189	
570.10 > 483.00	6.864	6.853	0.011	1.002	205785		1.75(0.92-2.76)		281	
53 FHxSA										
397.90 > 78.00	6.911	6.874	0.037	1.092	1013387	1.28			50388	
* 50 13C2 PFDA										
515.10 > 470.10	6.921	6.911	0.010		2082886	2.00			146244	
D 51 13C6 PFDA										
519.10 > 474.10	6.921	6.911	0.010	1.000	2007901	1.89		94.4	84575	
52 PFDA										
512.90 > 469.00	6.930	6.920	0.010	1.001	942948	1.29	Target=3.96		67714	
512.90 > 219.00	6.930	6.920	0.010	1.001	235567		4.00(1.98-5.94)		16491	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.043	7.033	0.010	0.979	1232850	4.49		89.8	84194	
55 NEtFOSAA										
584.20 > 419.10	7.043	7.043	0.0	1.000	263171	1.26	Target=1.53		529	
584.20 > 526.00	7.053	7.043	0.010	1.001	176989		1.49(0.76-2.29)		595	
D 56 13C8 PFOS										
507.10 > 79.90	7.194	7.184	0.010	1.000	963848	1.90		99.2	19793	
* 57 13C4 PFOS										
502.80 > 79.90	7.194	7.184	0.010		970696	1.91			66121	
58 PFOS										
498.90 > 79.90	7.194	7.184	0.010	1.000	793413	1.08	Target=4.24		206870	
498.90 > 98.80	7.194	7.184	0.010	1.000	178532		4.44(2.12-6.36)		633	
60 PFUnA										
563.10 > 519.00	7.335	7.326	0.009	1.000	703274	1.27	Target=3.85		37914	
563.10 > 269.10	7.335	7.326	0.009	1.000	183784		3.83(1.92-5.77)		12876	
D 59 13C7 PFUnA										
570.00 > 525.10	7.335	7.326	0.009	1.060	2059278	1.86		93.0	109531	
61 9ClFOS										
530.80 > 351.00	7.511	7.497	0.014	1.383	1718304	1.21	Target=3.07		98547	
532.80 > 353.00	7.511	7.497	0.014	1.383	600040		2.86(1.53-4.60)		46149	
62 PFNS										
548.80 > 79.90	7.609	7.600	0.009	1.058	673826	1.19	Target=3.59		36743	
548.80 > 98.80	7.609	7.600	0.009	1.058	181355		3.72(1.79-5.38)		13200	
D 81 13C2 PFDoA										
615.10 > 570.00	7.748	7.739	0.009	1.120	1737327	1.82		91.1	76494	
63 PFDoA										
613.10 > 569.00	7.748	7.739	0.009		833013	1.24	Target=4.53		46395	
613.10 > 319.00	7.748	7.739	0.009		191217		4.36(2.27-6.80)		14194	
64 PFOSA										
498.10 > 77.90	7.960	7.944	0.016	1.000	649756	1.30	Target=45.11		2167	
498.10 > 478.00	7.952	7.944	0.008	0.999	13286		48.91(22.56-67.67)		56.2	
D 65 13C8 FOSA										
506.10 > 77.80	7.960	7.944	0.016	1.106	1055484	1.94		97.0	46632	
66 PFDS										
599.00 > 79.90	8.015	8.007	0.008	1.114	853898	1.20	Target=3.86		49205	
599.00 > 98.80	8.015	8.007	0.008	1.114	222053		3.85(1.93-5.78)		17143	
67 PFTrDA										
663.00 > 619.00	8.155	8.148	0.007	0.954	947602	1.21	Target=4.57		56445	
663.00 > 168.90	8.155	8.148	0.007	0.954	202128		4.69(2.28-6.85)		15908	
68 11ClFOS										
630.90 > 450.90	8.335	8.321	0.014	1.535	1524588	1.18	Target=2.96		122554	
632.90 > 452.90	8.335	8.321	0.014	1.535	519086		2.94(1.48-4.43)		41812	
70 PFTeDA										
713.10 > 168.90	8.553	8.548	0.005	1.000	142287	1.25	Target=0.89		8172	
713.10 > 219.00	8.553	8.548	0.005	1.000	156865		0.91(0.44-1.33)		9021	
D 69 13C2 PFTeDA										
715.20 > 670.00	8.553	8.548	0.005	1.236	1291118	1.91		95.4	55995	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
71 PFDoS										
699.10 > 79.90	8.765	8.760	0.005	1.218	636014	1.12	Target=4.18		33842	
699.10 > 98.80	8.765	8.760	0.005	1.218	164423		3.87(2.09-6.27)		8701	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.793	8.789	0.004	1.222	381559	4.89		97.7	7492	
73 N-MeFOSE-M										
616.10 > 58.90	8.822	8.818	0.004	1.003	1106773	5.92			5321	
D 74 d3-NMePFOSA										
515.00 > 219.00	8.917	8.913	0.004	1.240	359636	2.01		100	19963	
75 NMeFOSA										
511.90 > 219.00	8.930	8.926	0.004	1.001	208802	1.25	Target=0.67		1255	
511.90 > 169.00	8.930	8.926	0.004	1.001	314029		0.66(0.33-1.00)		1131	
D 76 d9-N-EtFOSE										
639.20 > 58.90	9.037	9.032	0.005	1.256	463445	4.72		94.5	10077	
77 N-EtFOSE-M										
630.00 > 58.90	9.063	9.059	0.004	1.003	1770681	5.84			448895	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.122	9.119	0.003	1.268	482533	1.97		98.4	22482	
79 N-EtFOSA-M										
526.00 > 219.00	9.146	9.143	0.003	1.003	281099	1.32	Target=0.82		1778	
526.00 > 169.00	9.134	9.143	-0.009	1.001	327094		0.86(0.41-1.24)		1535	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.573	9.563	0.010	1.119	953130	1.20	Target=14.67		38104	
913.00 > 169.00	9.573	9.563	0.010	1.119	69656		13.68(7.34-22.01)		6489	

QC Flag Legend

Processing Flags

Reagents:

1633_125_ICV_00015 Amount Added: 1.00 Units: mL

Report Date: 07-Mar-2025 18:47:50 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\25MAR06CAL-10.d

Injection Date: 06-Mar-2025 21:15:38 Instrument ID: 30570

Lims ID: ICV

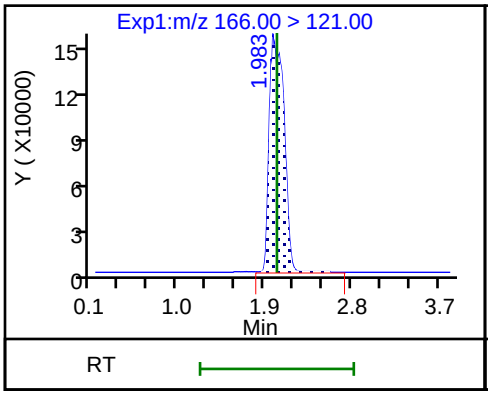
Client ID:

Operator ID: ETUS023_USR_INS00003 ALS Bottle#: 10 Worklist Smp#: 10

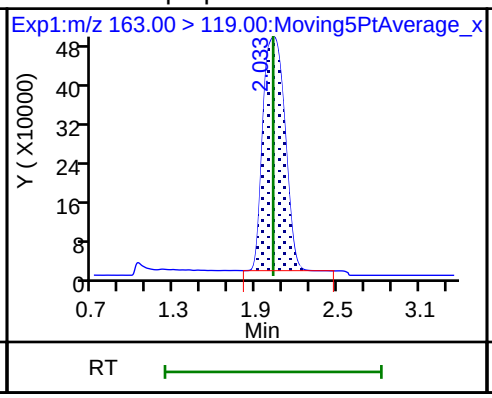
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 30570-1633-125ml Limit Group: LC - 1633 LVI- ICAL

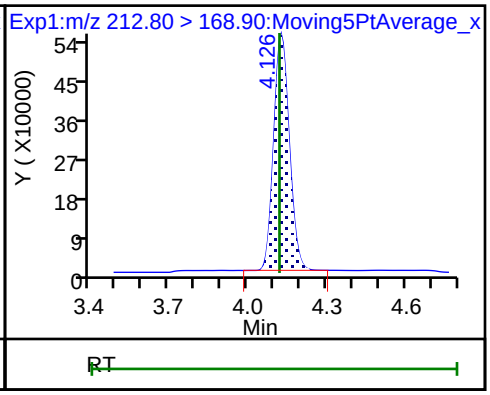
D 1 13C3PFPrA



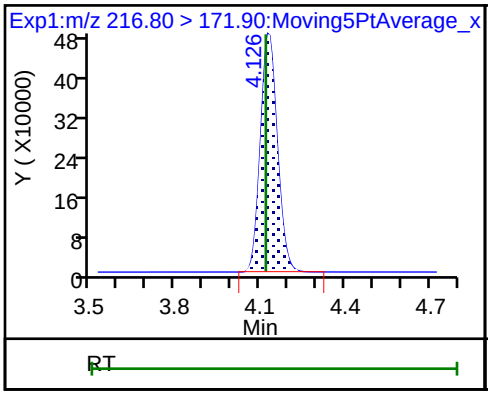
2 Perfluoropropionic acid



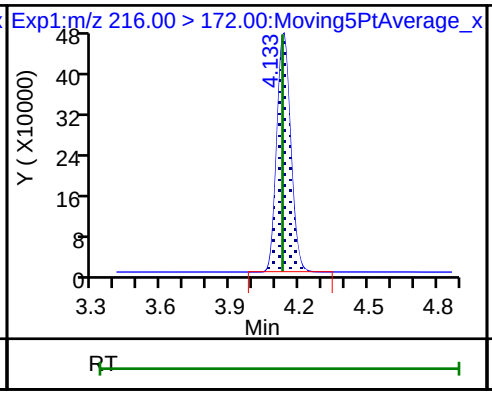
5 PFBA



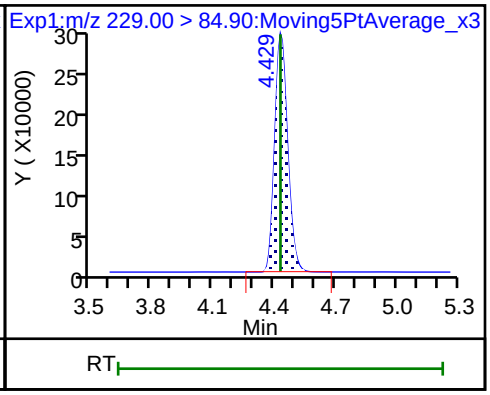
D 3 13C4-PFBA



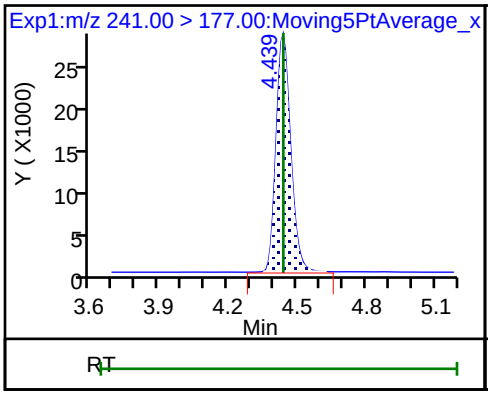
* 4 13C3PFBA



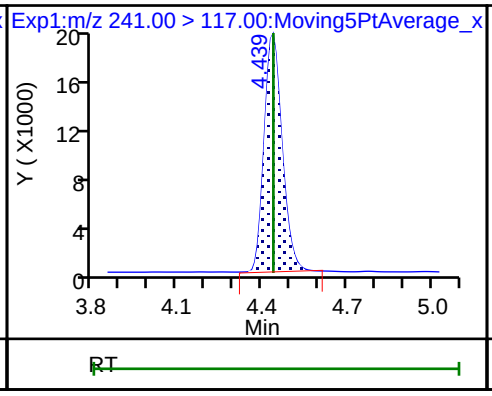
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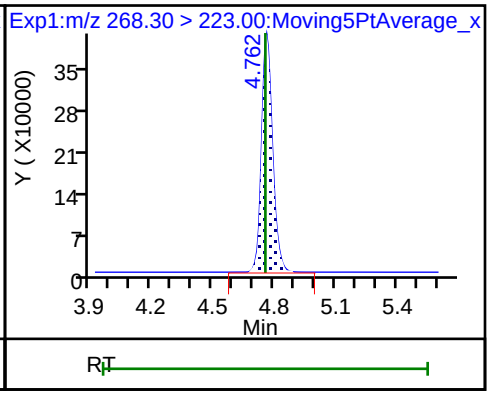
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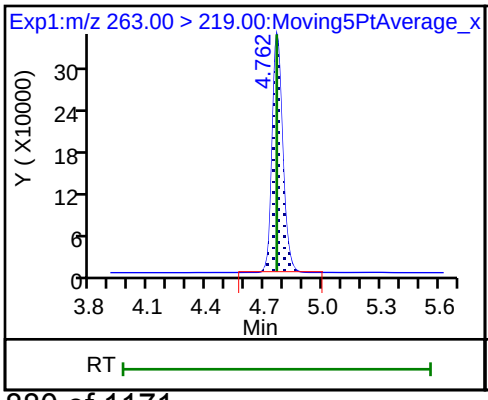
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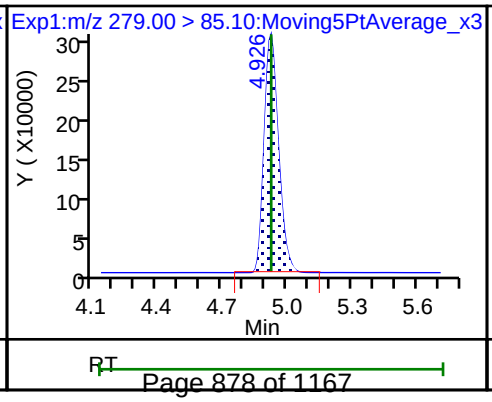
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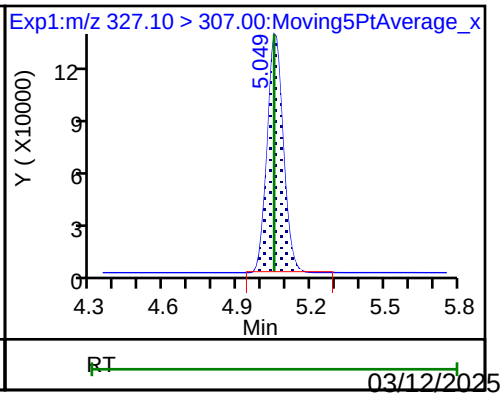
9 PFPA



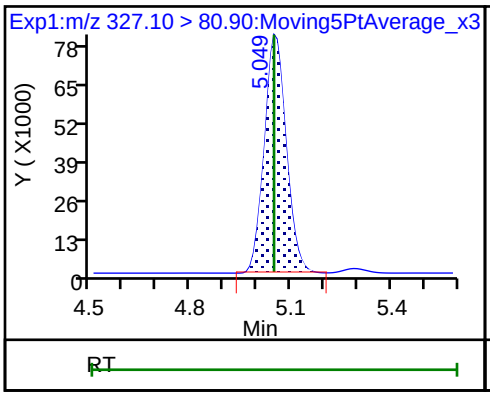
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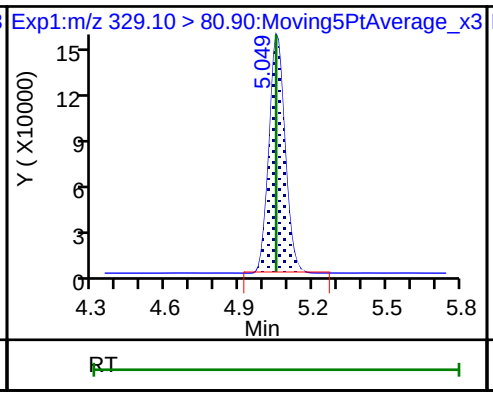
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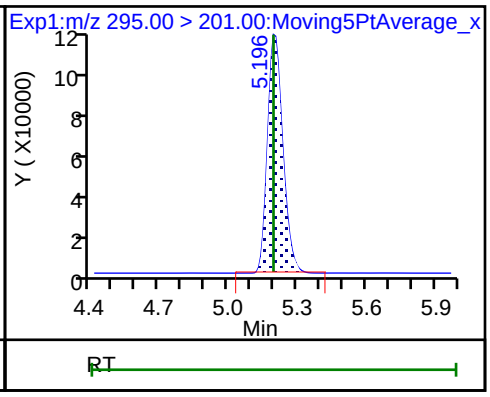
11 4:2FTS



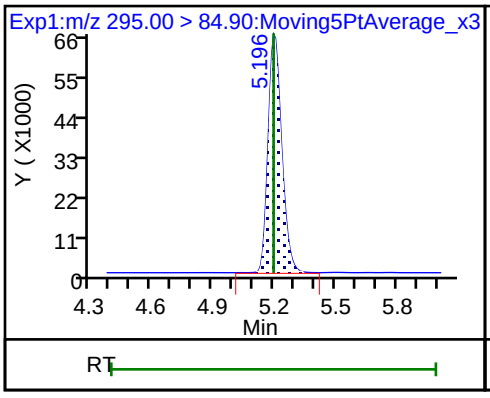
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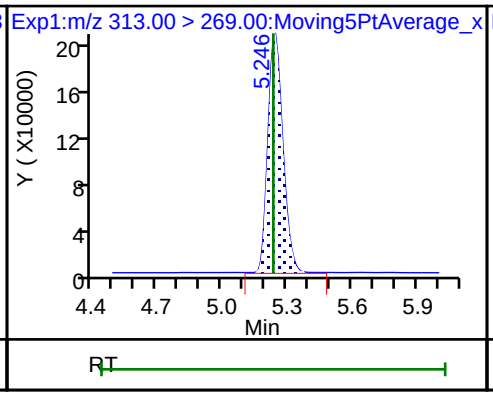
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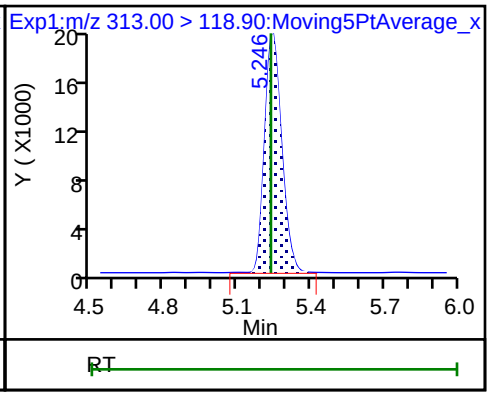
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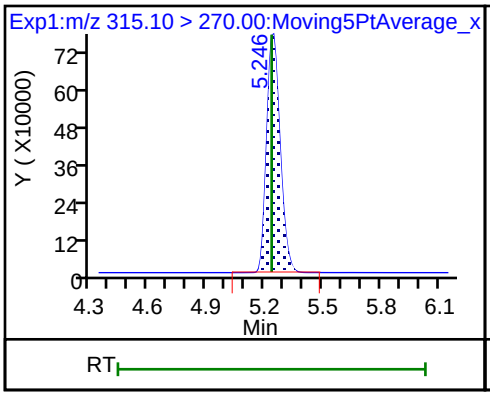
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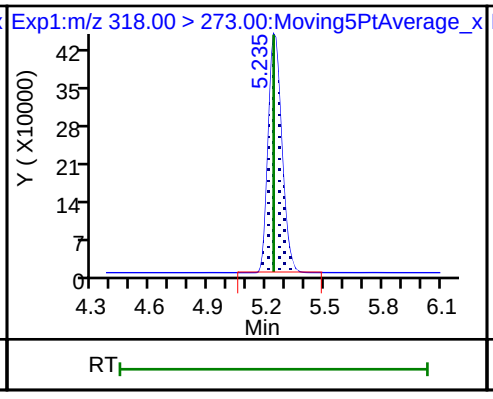
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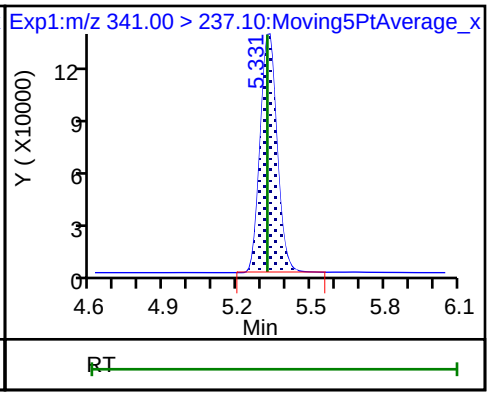
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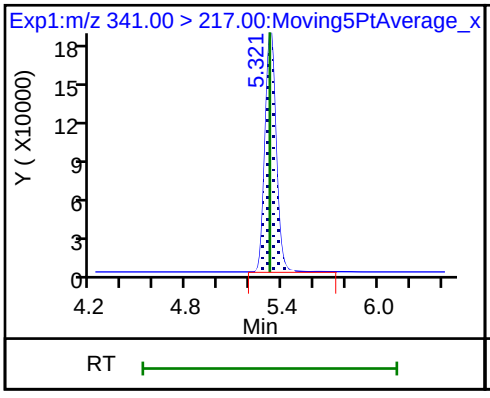
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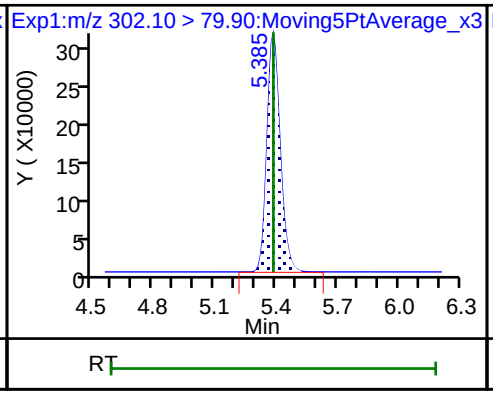
18 5:3 FTCA



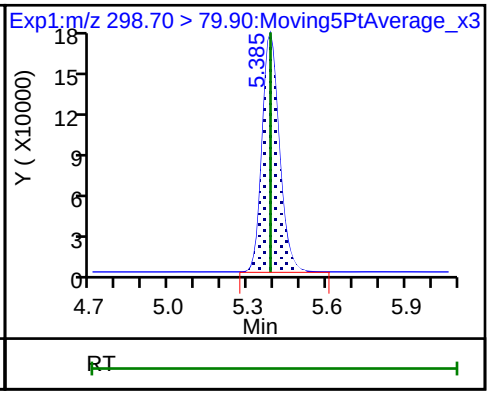
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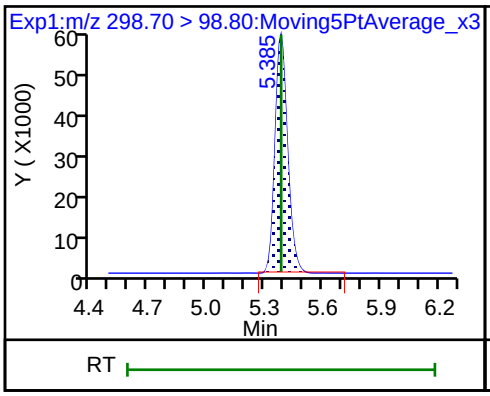
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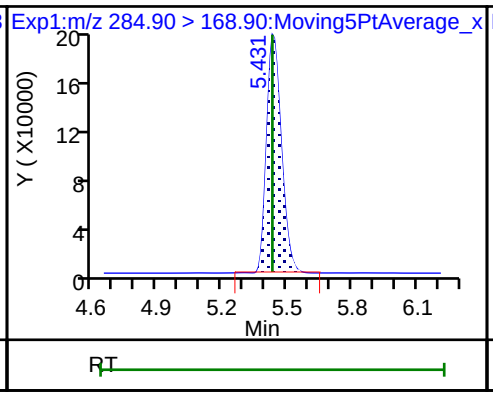
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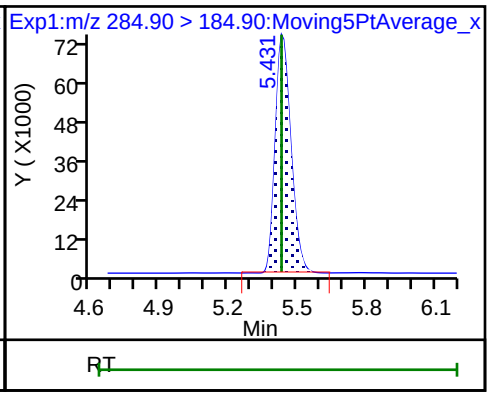
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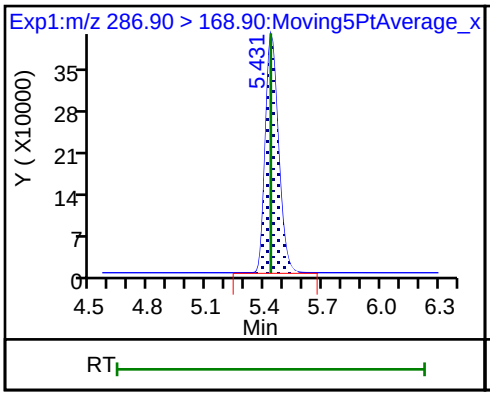
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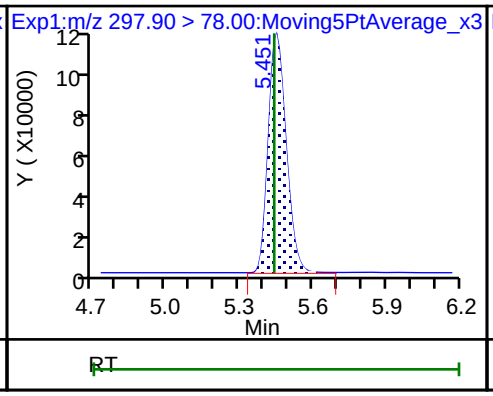
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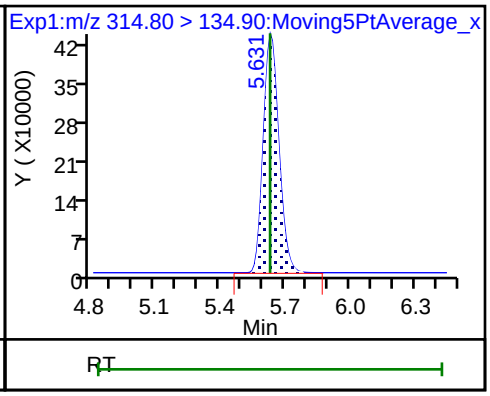
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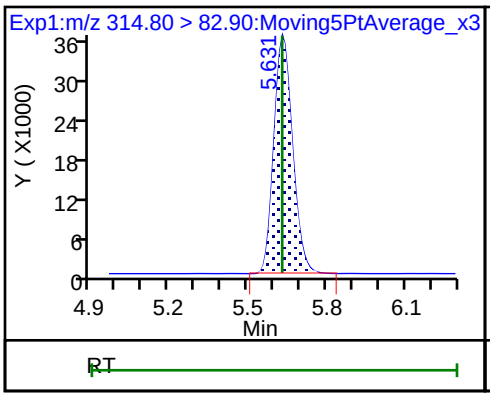
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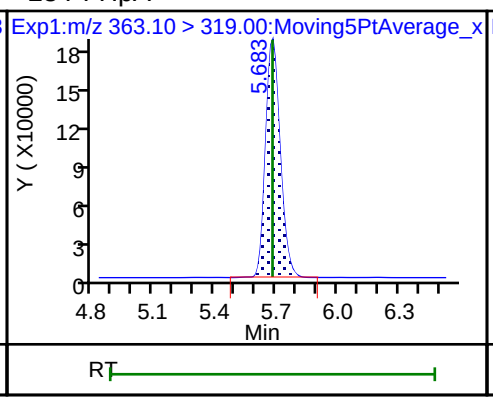
26 PFEESA



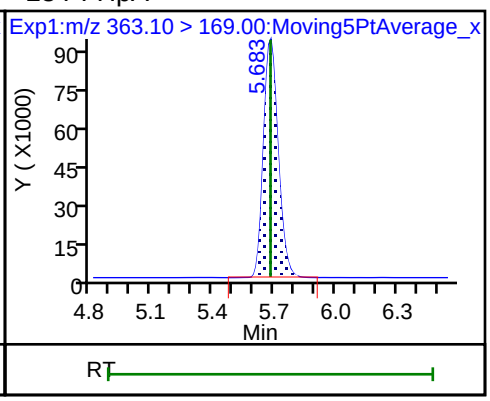
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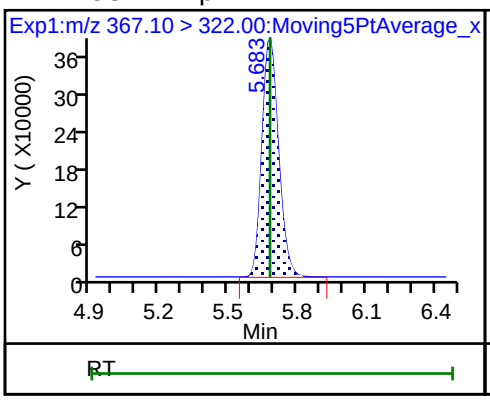
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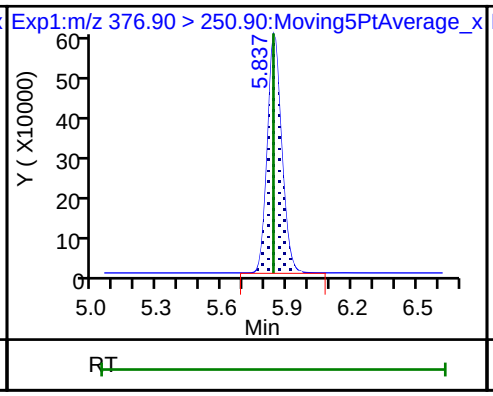
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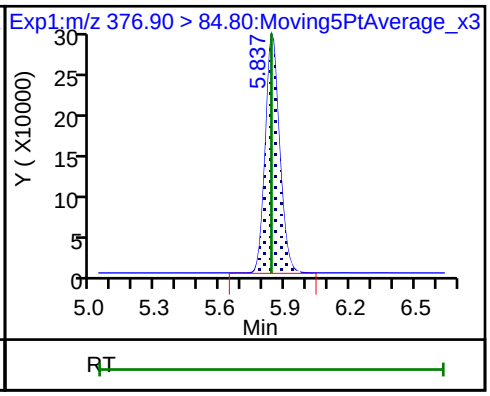
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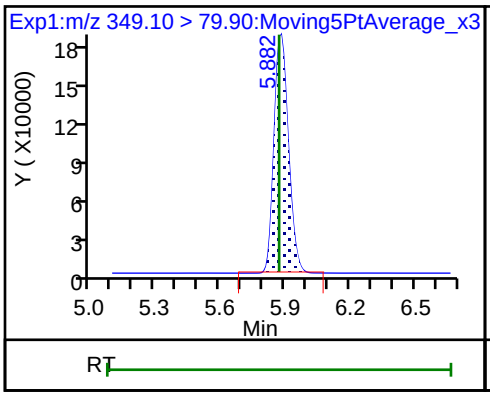
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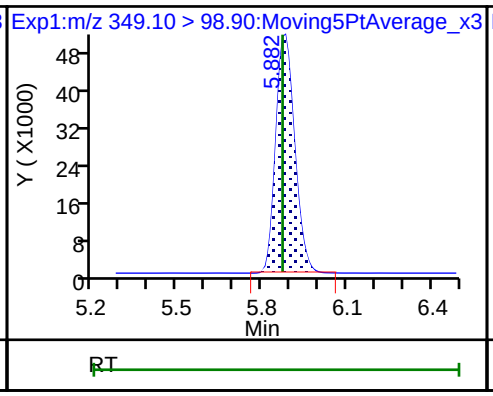
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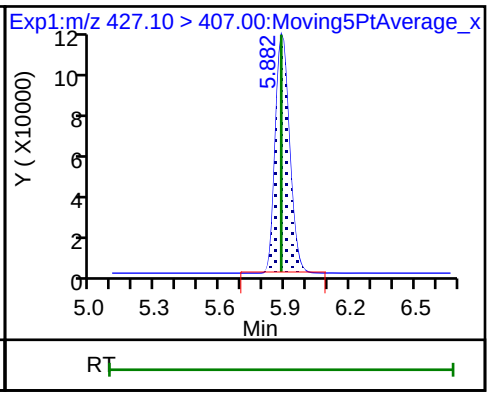
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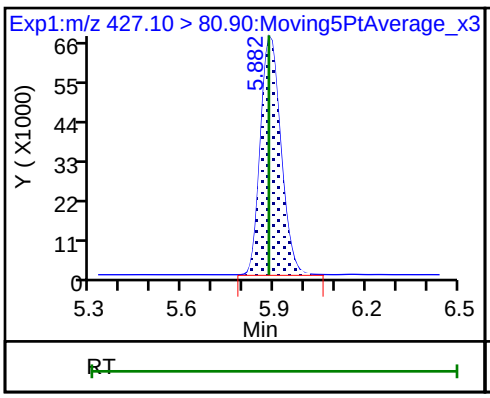
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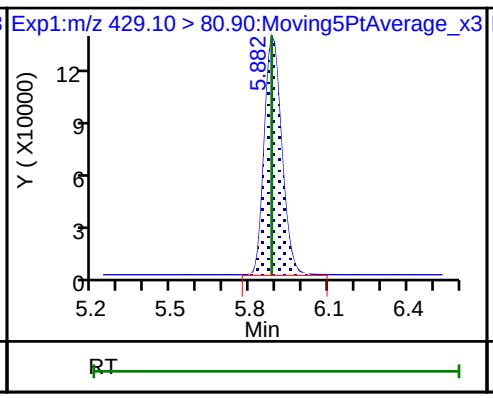
31 6:2FTS



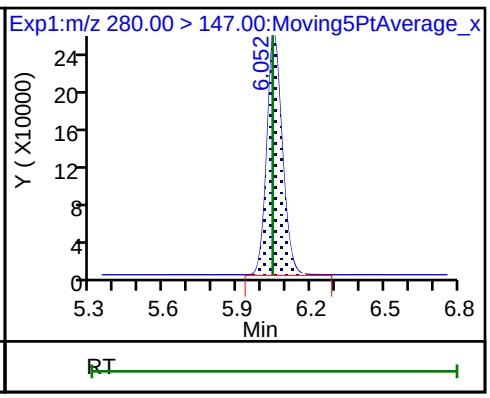
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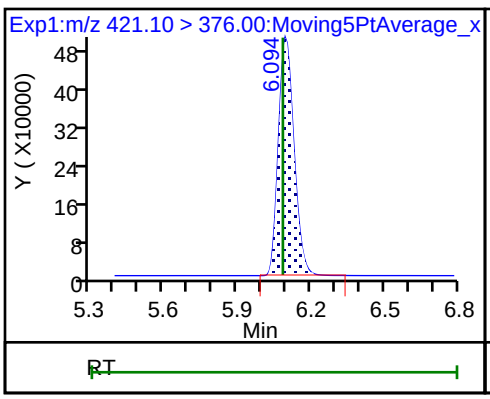
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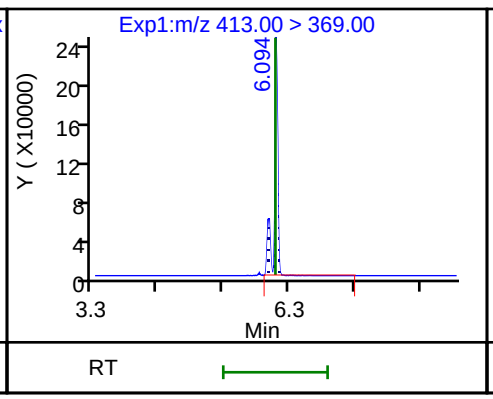
33 BTS



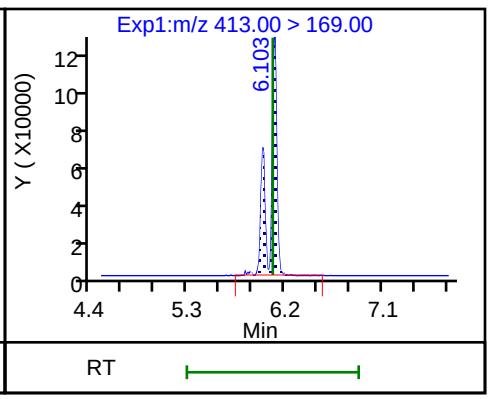
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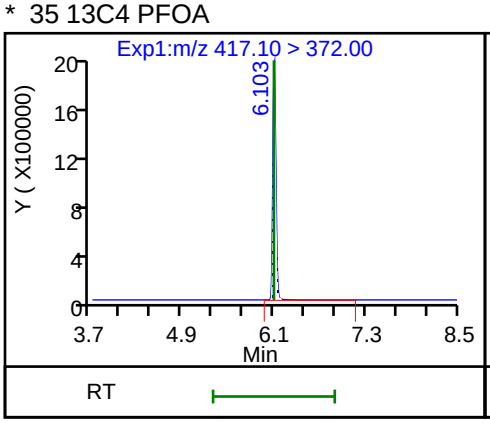
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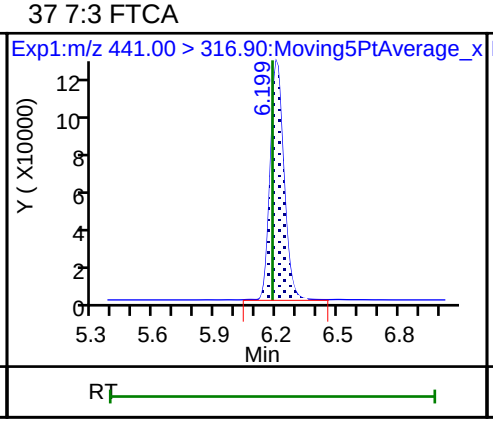
36 PFOA



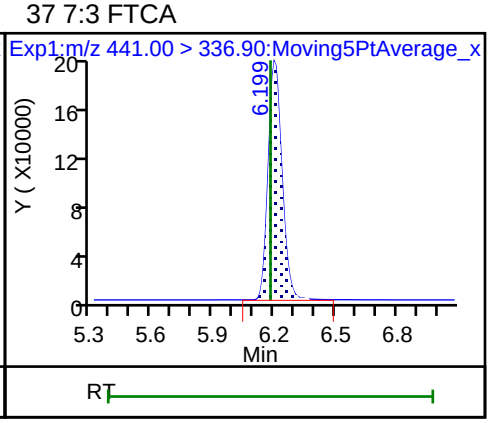
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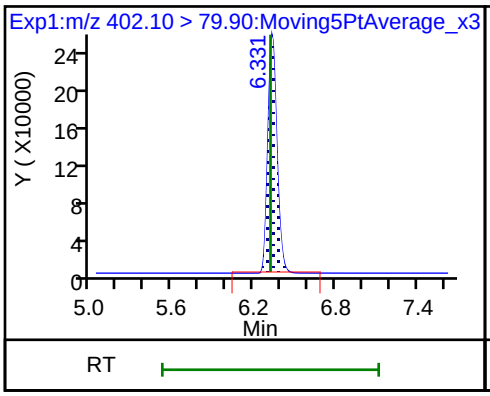
37 7:3 FTCA



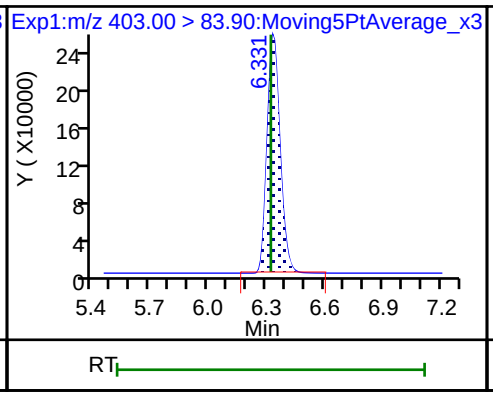
37 7:3 FTCA



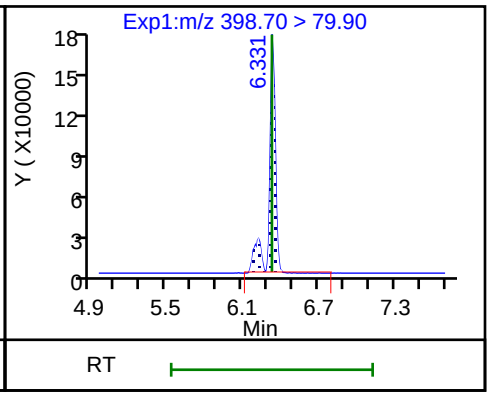
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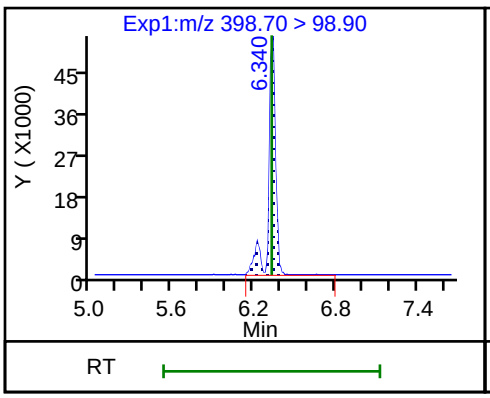
* 38 18O2 PFHxS



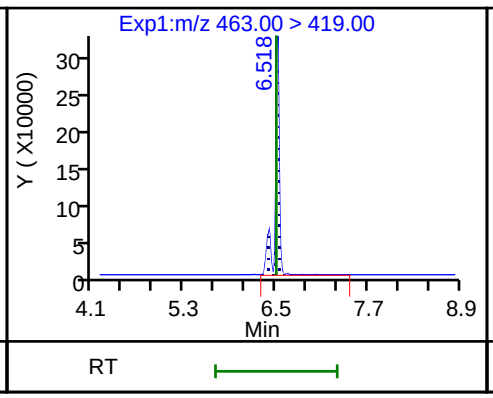
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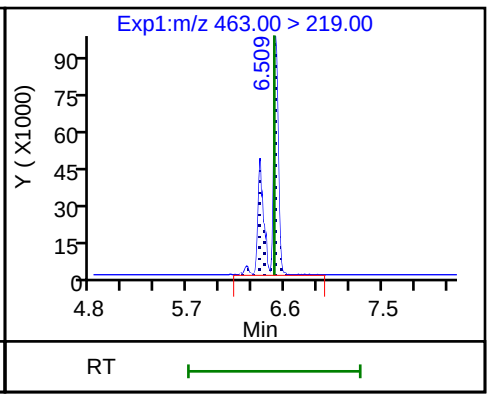
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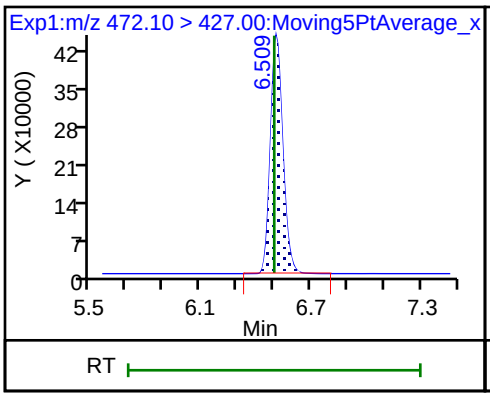
43 PFNA



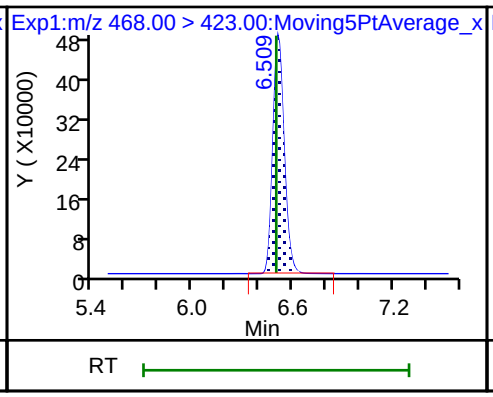
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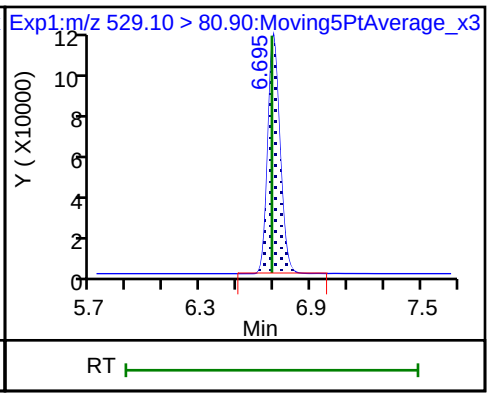
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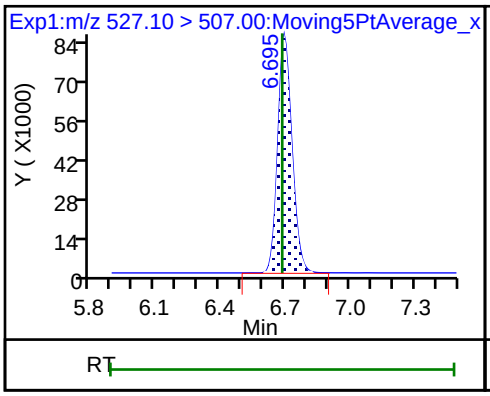
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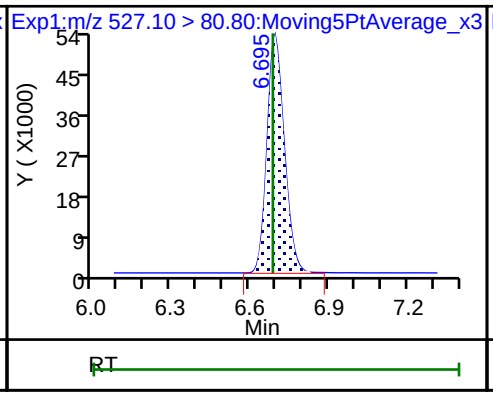
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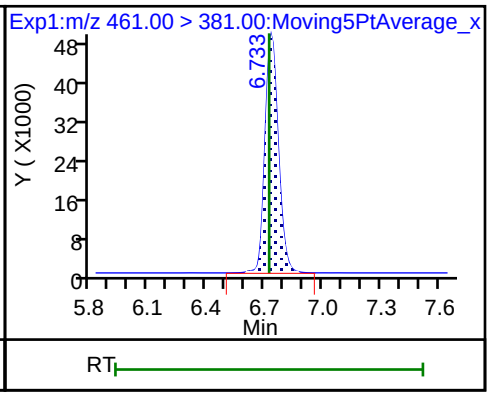
44 8:2FTS



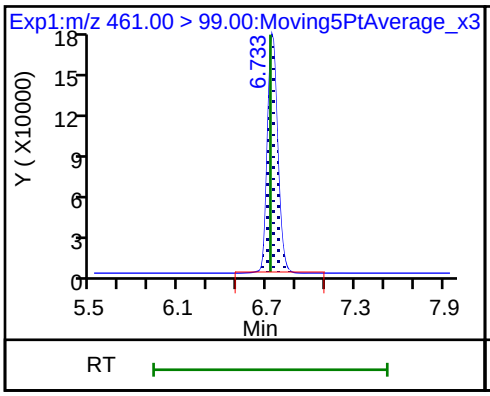
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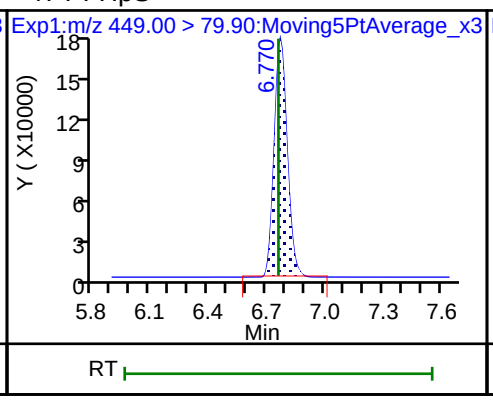
46 PFECHS



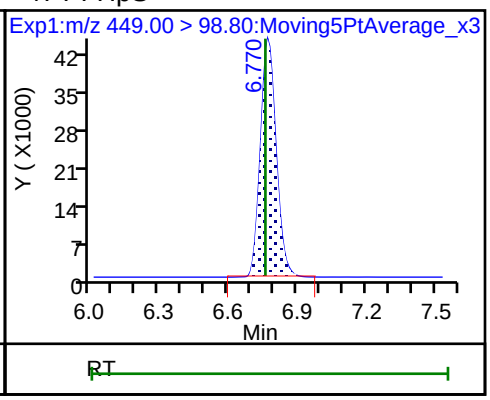
46 PFECHS



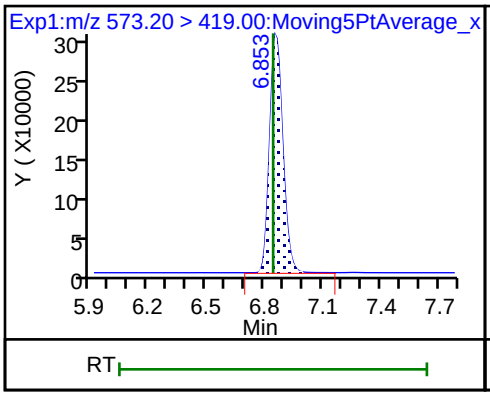
47 PFHpS



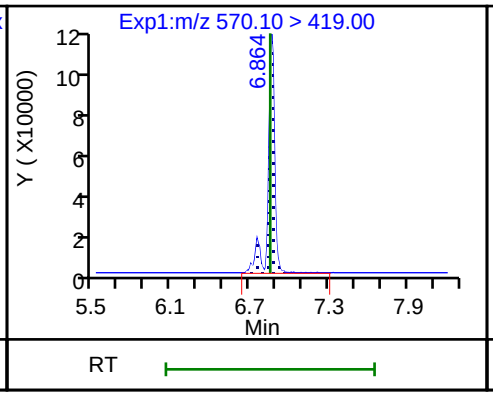
47 PFHpS



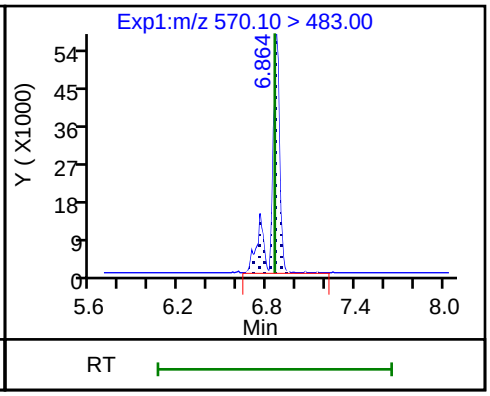
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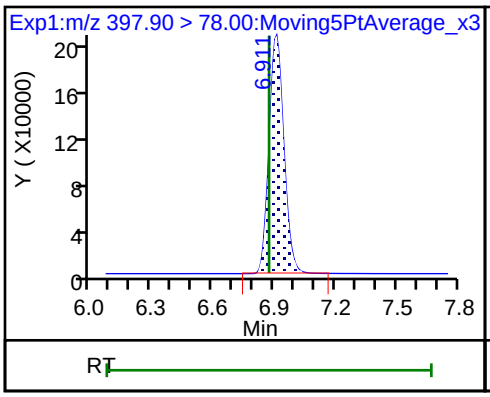
49 NMeFOSAA



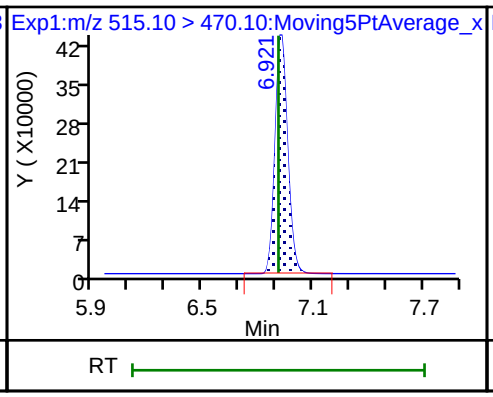
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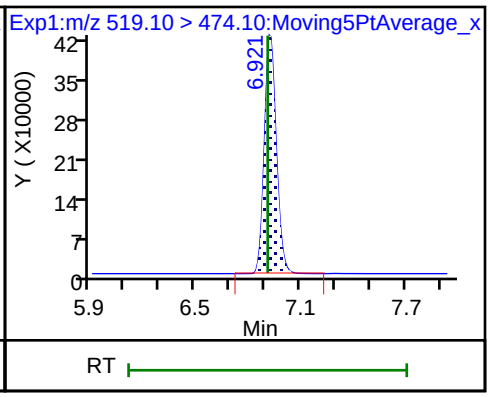
53 FHxSA



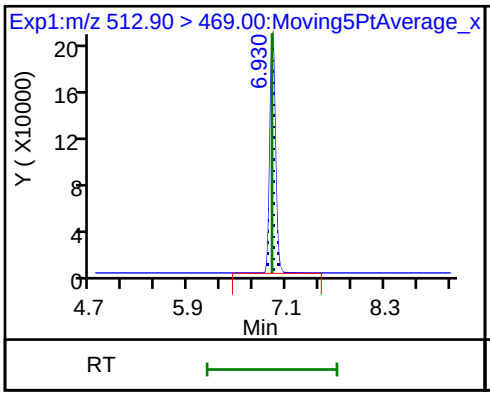
* 50 13C2 PFDA



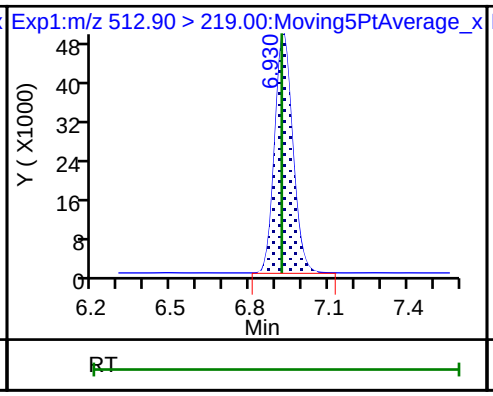
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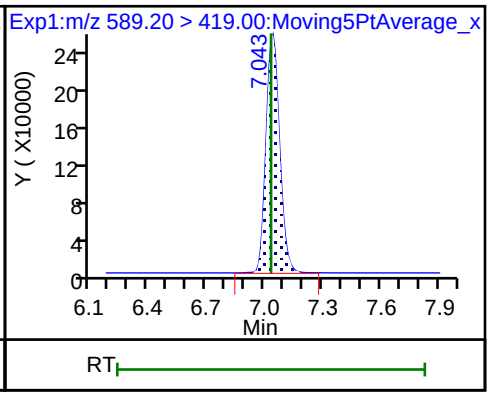
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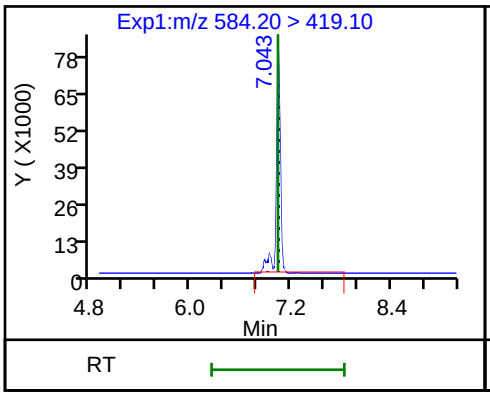
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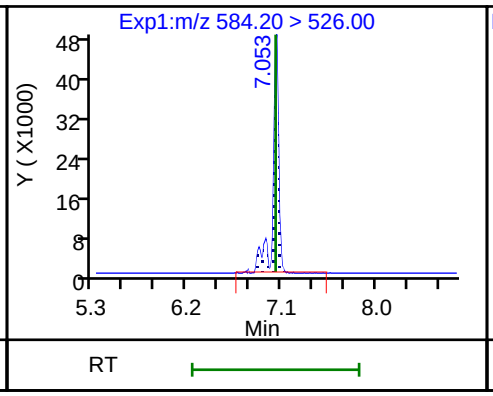
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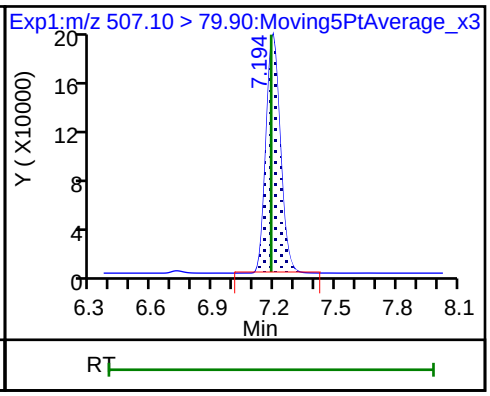
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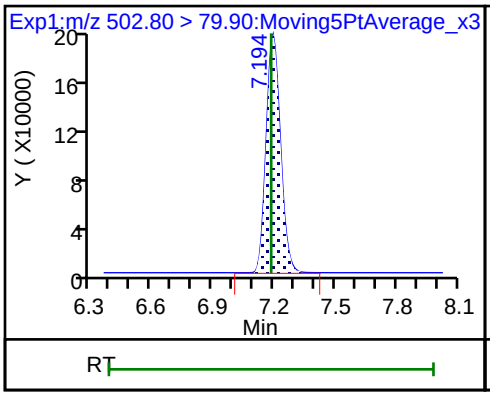
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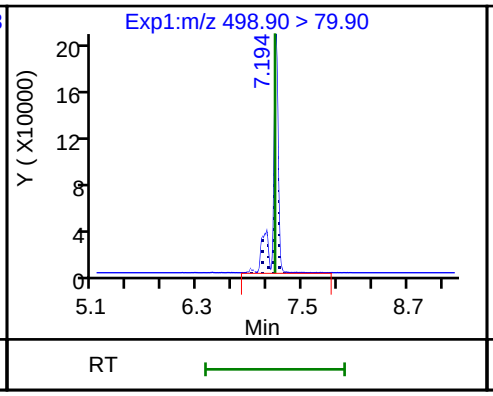
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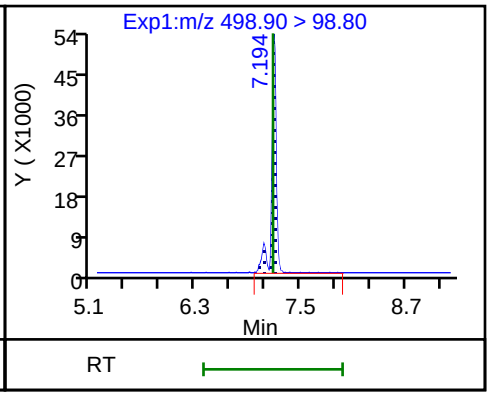
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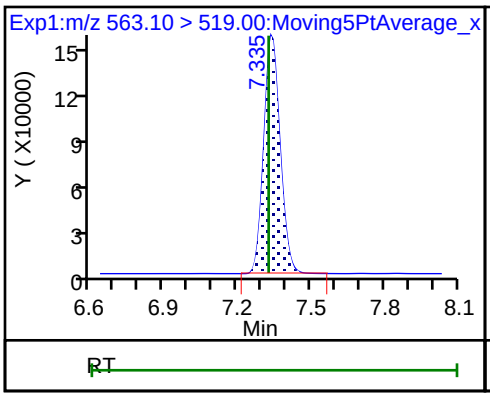
58 PFOS



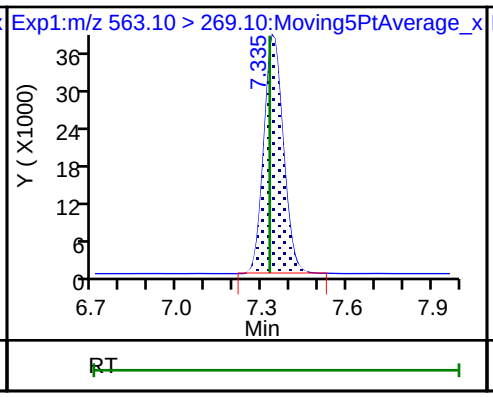
58 PFOS



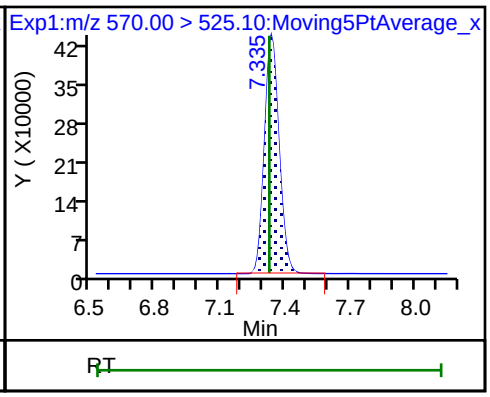
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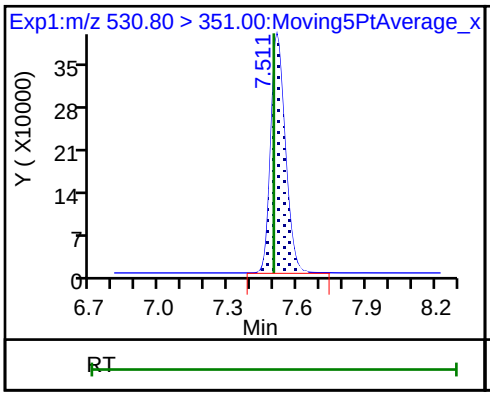
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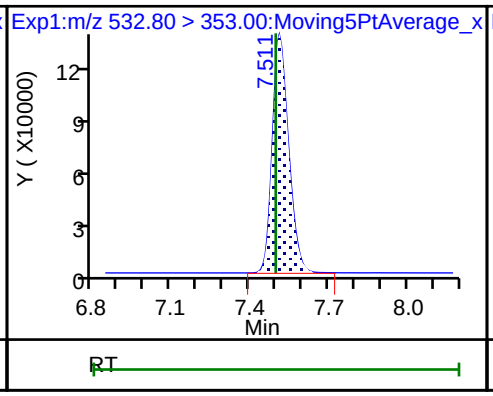
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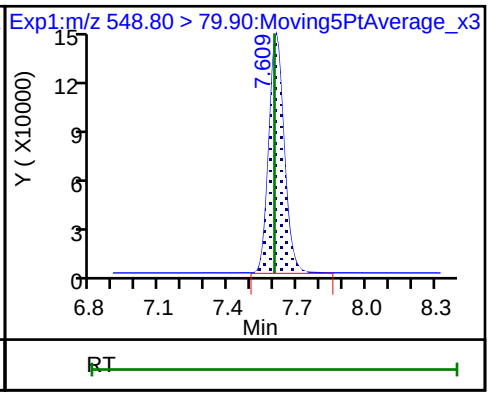
61 9ClFOS



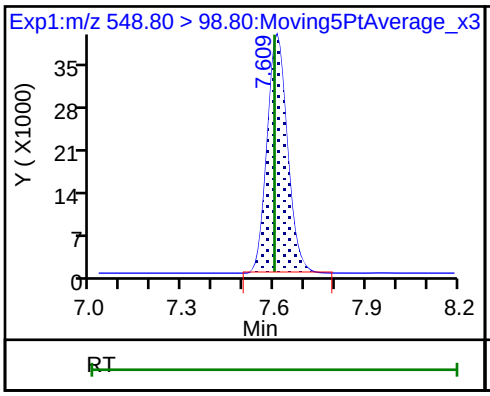
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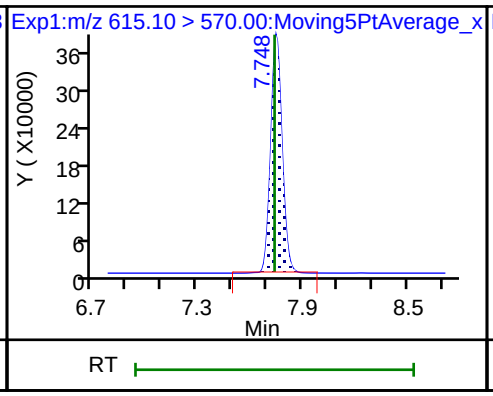
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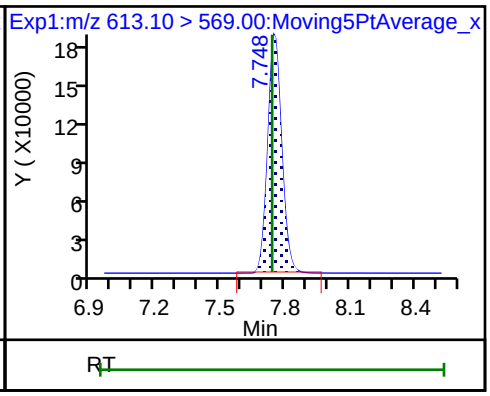
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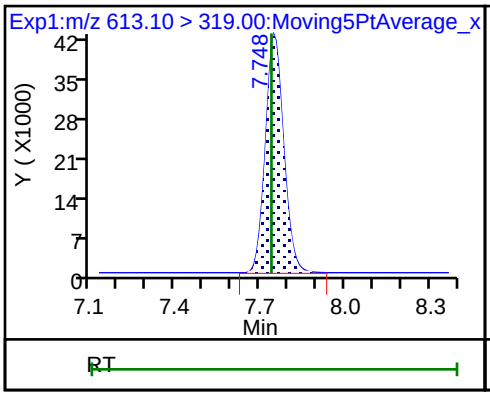
D 81 13C2 PFDoA



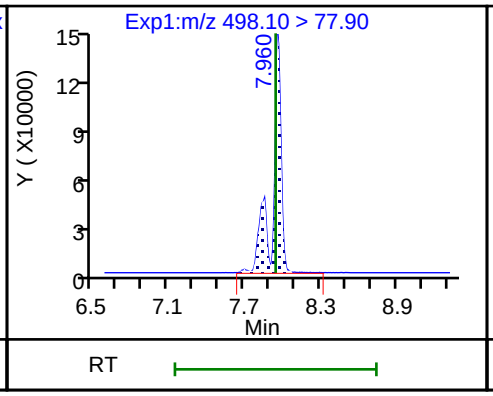
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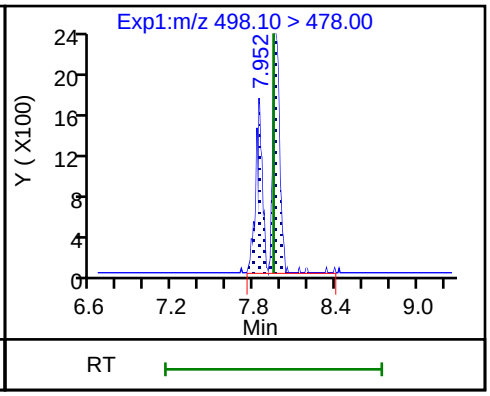
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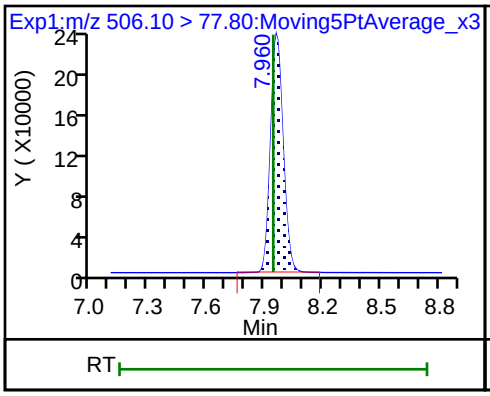
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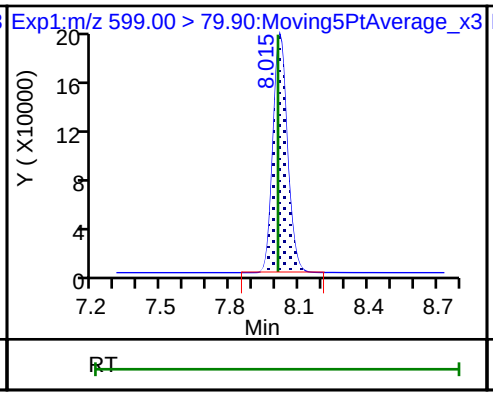
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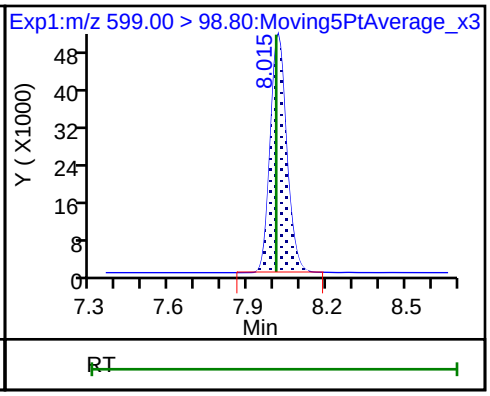
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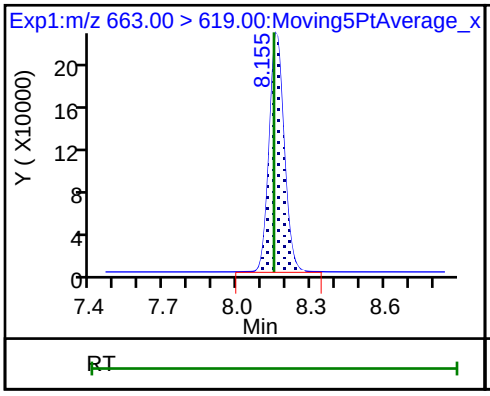
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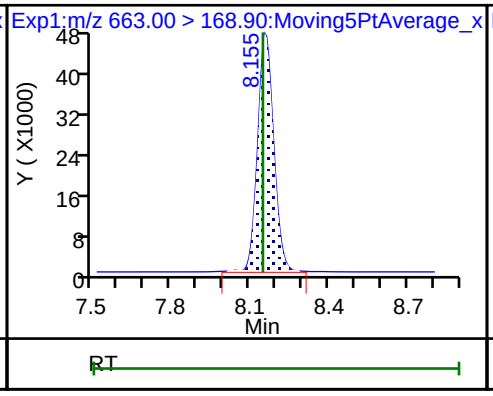
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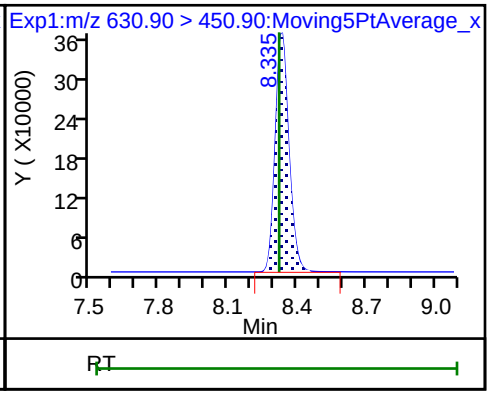
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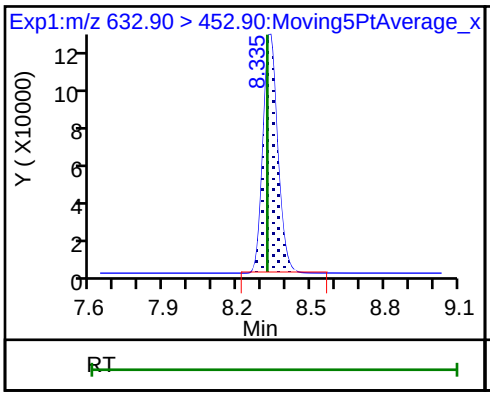
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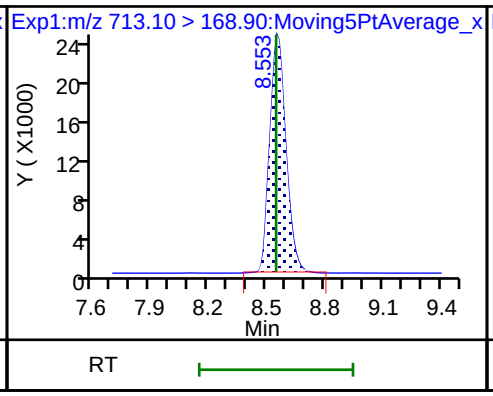
68 11ClFOS



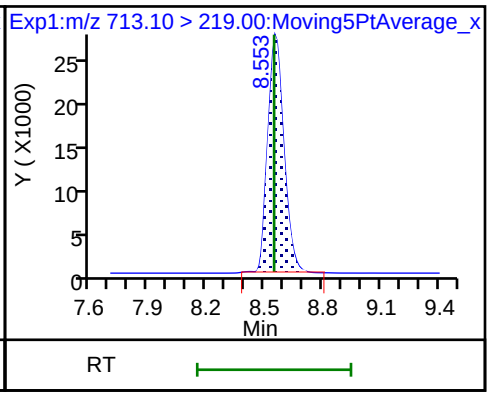
68 11ClFOS



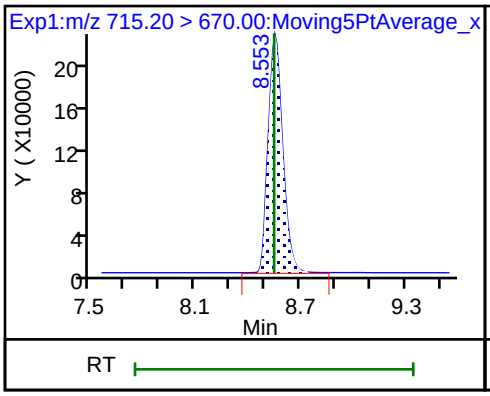
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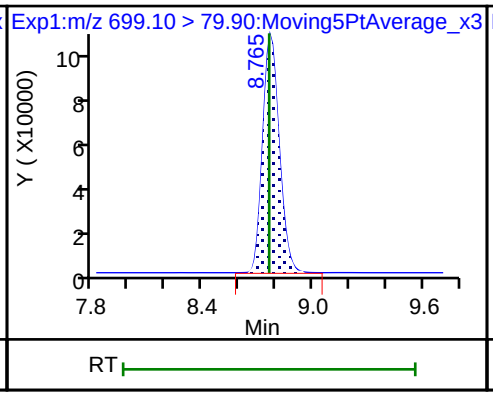
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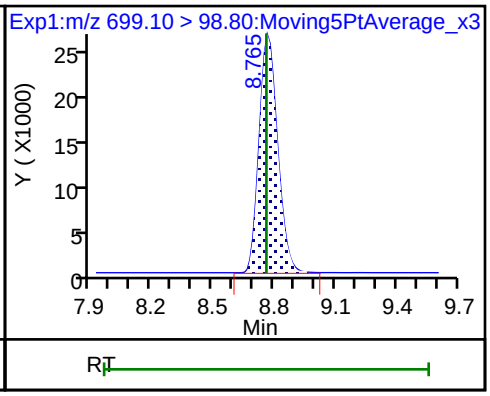
D 69 13C2 PFTeDA



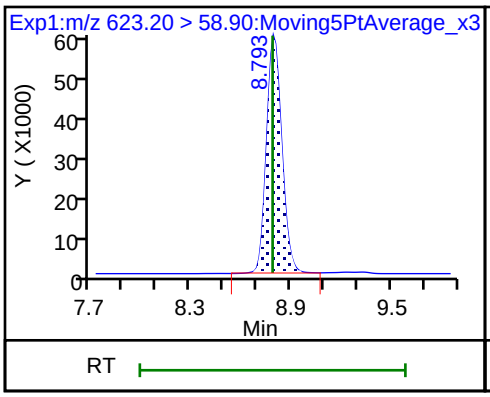
71 PFDoS



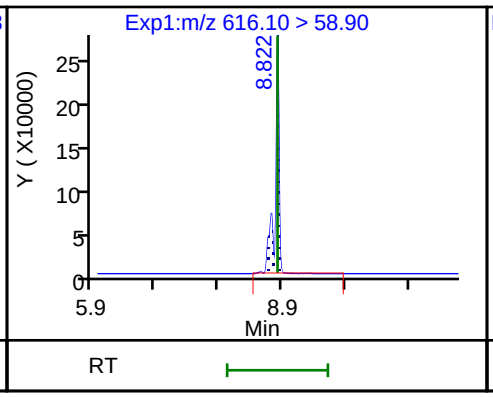
71 PFDoS



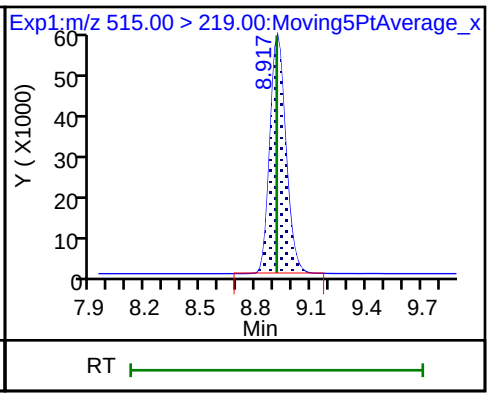
D 72 d7-N-Me-FOSE



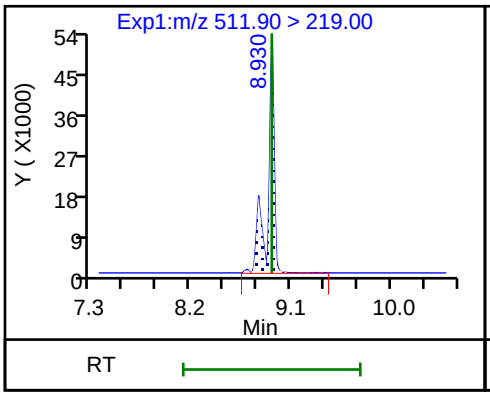
73 N-MeFOSE-M



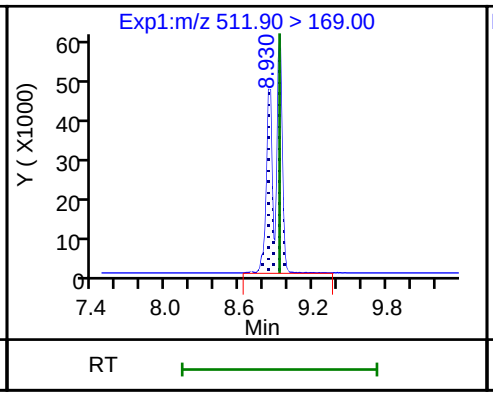
D 74 d3-NMePFOSA



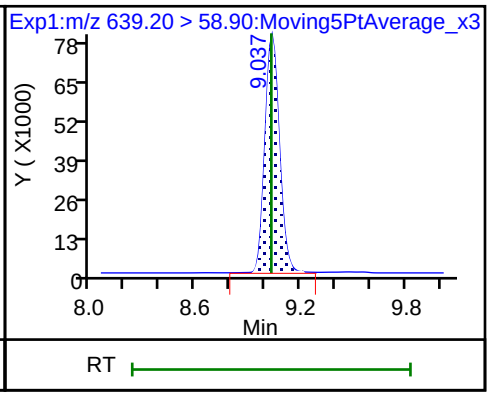
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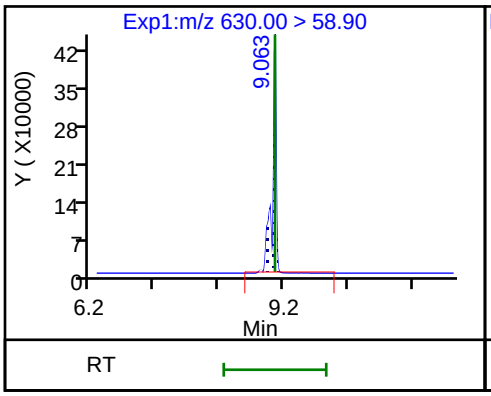
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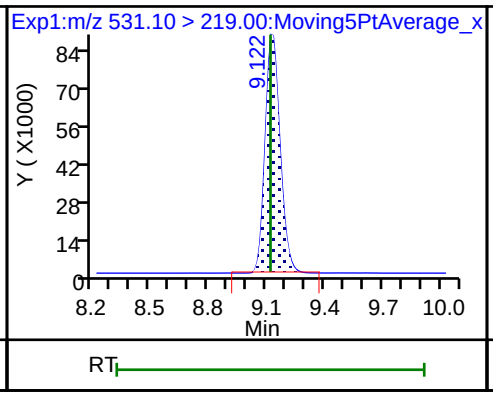
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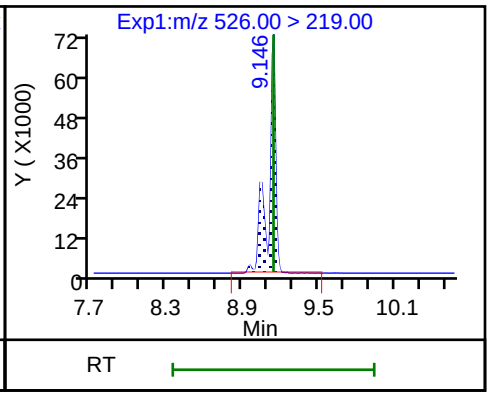
77 N-EtFOSE-M



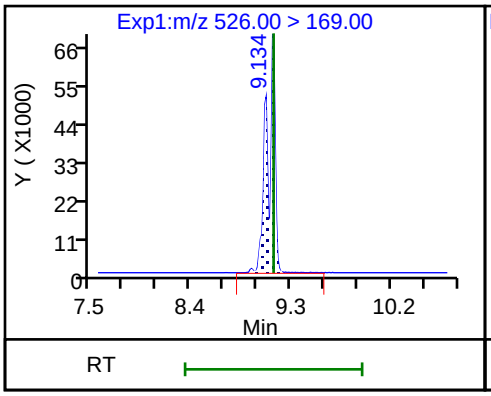
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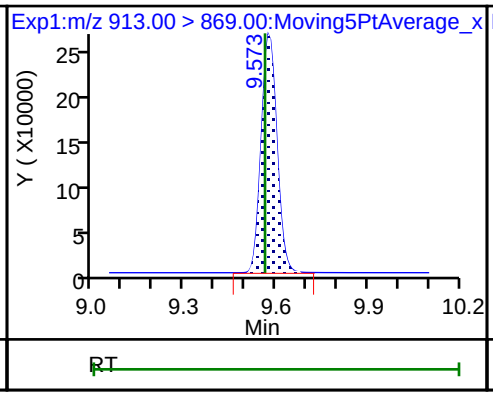
79 N-EtFOSA-M



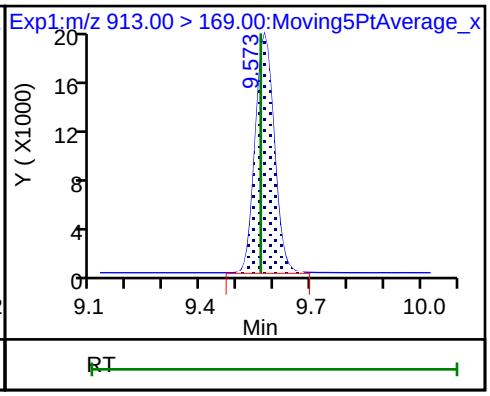
79 N-EtFOSA-M



80 Perfluorooctadecanoic acid



80 Perfluorooctadecanoic acid



FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: CCVO 410-615077/1 Calibration Date: 03/10/2025 17:15

Instrument ID: 30570 Calib Start Date: 03/06/2025 19:13

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 03/06/2025 20:48

Lab File ID: 25MAR10-01.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoropropionic acid (PFPrA)	AveID	1.079	1.093		0.253	0.250	1.3	30.0
Perfluorobutanoic acid	AveID	0.9380	1.004		0.107	0.100	7.0	30.0
Perfluoro-3-methoxypropanoic acid	AveID	1.330	1.357		0.0510	0.0500	2.0	30.0
3:3 FTCA	AveID	0.0690	0.0628		0.0911	0.100	-8.9	30.0
Perfluoropentanoic acid	L2ID		1.521		0.0486	0.0500	-2.8	30.0
Perfluoro(4-methoxybutanoic acid)	AveID	1.410	1.399		0.0496	0.0500	-0.8	30.0
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	AveID	1.814	1.856		0.0955	0.0934	2.3	30.0
Perfluoro-3,6-dioxaheptanoic acid	AveID	0.4349	0.4876		0.0561	0.0500	12.1	30.0
Perfluorohexanoic acid	AveID	0.8207	0.9442		0.0575	0.0500	15.0	30.0
5:3 FTCA	L2ID		0.0945		0.263	0.250	5.2	30.0
Perfluorobutanesulfonic acid	AveID	0.8966	0.8782		0.0435	0.0444	-2.0	30.0
HFPO-DA	AveID	1.082	1.148		0.0398	0.0375	6.1	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	0.6023	0.5561		0.0462	0.0500	-7.7	30.0
PFEESA	AveID	1.999	2.108		0.0470	0.0446	5.5	30.0
Perfluoroheptanoic acid	AveID	0.7302	0.9088		0.0622	0.0500	24.5	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	2.458	2.764		0.0532	0.0473	12.4	30.0
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	AveID	1.765	1.688		0.0907	0.0948	-4.3	30.0
Perfluoropentanesulfonic acid	AveID	1.201	1.228		0.0480	0.0470	2.2	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	1.861	1.500		0.0395	0.0490	-19.4	30.0
Perfluorooctanoic acid	L2ID		0.6975		0.0470	0.0500	-6.1	30.0
7:3 FTCA	AveID	0.0815	0.0919		0.282	0.250	12.7	30.0
Perfluorohexanesulfonic acid	AveID	0.9012	0.9819		0.0497	0.0456	8.9	30.0
Perfluorononanoic acid	AveID	0.8789	0.9629		0.0548	0.0500	9.6	30.0
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	AveID	1.550	1.806		0.112	0.0958	16.5	30.0
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	AveID	0.3138	0.3072		0.0452	0.0462	-2.1	30.0
Perfluoroheptanesulfonic acid	AveID	1.297	1.451		0.0533	0.0477	11.8	30.0
NMeFOSAA	AveID	1.032	1.167		0.0565	0.0500	13.1	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	1.266	1.301		0.0514	0.0500	2.8	30.0
Perfluorodecanoic acid	AveID	0.7286	0.6775		0.0465	0.0500	-7.0	30.0
NEtFOSAA	AveID	0.8473	0.8823		0.0521	0.0500	4.1	30.0
Perfluorooctanesulfonic acid	AveID	1.460	1.601		0.0510	0.0465	9.6	30.0
Perfluoroundecanoic acid	AveID	0.5380	0.5136		0.0477	0.0500	-4.5	30.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	AveID	1.508	1.564		0.0484	0.0467	3.7	30.0
Perfluorononanesulfonic acid	AveID	1.123	1.203		0.0515	0.0481	7.1	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: CCVO 410-615077/1 Calibration Date: 03/10/2025 17:15

Instrument ID: 30570 Calib Start Date: 03/06/2025 19:13

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 03/06/2025 20:48

Lab File ID: 25MAR10-01.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorododecanoic acid	AveID	0.7711	0.8023		0.0520	0.0500	4.0	30.0
Perfluorooctanesulfonamide	AveID	0.9435	0.9886		0.0524	0.0500	4.8	30.0
Perfluorodecanesulfonic acid	AveID	1.413	1.555		0.0530	0.0482	10.0	30.0
Perfluorotridecanoic acid	AveID	1.034	1.030		0.0498	0.0500	-0.4	30.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	AveID	1.377	1.593		0.0546	0.0472	15.7	30.0
Perfluorotetradecanoic acid	AveID	0.1760	0.1554		0.0442	0.0500	-11.7	30.0
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	AveID	2.450	2.416		0.247	0.250	-1.4	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	1.123	1.164		0.0503	0.0485	3.6	30.0
NMeFOSA	AveID	0.9285	1.013		0.0546	0.0500	9.1	30.0
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	AveID	3.269	3.295		0.252	0.250	0.8	30.0
N-ethylperfluoro-1-octanesulfonamide	AveID	0.8831	0.8892		0.0503	0.0500	0.7	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	1.225	1.138		0.0464	0.0500	-7.1	30.0
13C3 PFPrA	Ave	0.9027	0.9504		2.11	2.00	5.3	30.0
13C4 PFBA	Ave	1.075	1.095		2.04	2.00	1.9	30.0
13C5 PFPeA	Ave	0.999	1.075		2.15	2.00	7.5	30.0
M2-4:2 FTS	Ave	0.2565	0.2543		4.65	4.69	-0.8	30.0
13C5 PFHxA	Ave	1.344	1.396		2.08	2.00	3.9	30.0
13C3 PFBS	Ave	1.254	1.297		1.93	1.86	3.4	30.0
13C3 HFPO-DA	Ave	1.218	1.240		2.04	2.00	1.8	30.0
13C4 PFHpA	Ave	1.274	1.307		2.05	2.00	2.6	30.0
M2-6:2 FTS	Ave	0.2144	0.2223		4.94	4.76	3.7	30.0
13C8 PFOA	Ave	0.9920	1.065		2.15	2.00	7.4	30.0
13C3 PFHxS	Ave	0.9677	0.9945		1.95	1.90	2.8	30.0
13C9 PFNA	Ave	0.9797	1.036		2.12	2.00	5.8	30.0
M2-8:2 FTS	Ave	0.1805	0.1892		5.03	4.80	4.8	30.0
d3-NMeFOSAA	Ave	0.6400	0.6009		4.69	5.00	-6.1	30.0
13C6 PFDA	Ave	1.021	1.054		2.06	2.00	3.2	30.0
d5-NEtFOSAA	Ave	0.5408	0.5715		5.28	5.00	5.7	30.0
13C8 PFOS	Ave	1.001	0.9915		1.90	1.92	-0.9	30.0
13C7 PFUnA	Ave	1.063	1.115		2.10	2.00	4.9	30.0
13C2 PFDoA	Ave	0.9152	0.9507		2.08	2.00	3.9	30.0
13C8 FOSA	Ave	1.071	1.006		1.88	2.00	-6.1	30.0
13C2 PFTeDA	Ave	0.6497	0.7297		2.25	2.00	12.3	30.0
d7-N-MeFOSE-M	Ave	0.1538	0.1448		4.71	5.00	-5.9	30.0
d3-NMePFOSA	Ave	0.3527	0.3562		2.02	2.00	1.0	30.0
d9-N-EtFOSE-M	Ave	0.1933	0.1744		4.51	5.00	-9.8	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: CCVO 410-615077/1 Calibration Date: 03/10/2025 17:15

Instrument ID: 30570 Calib Start Date: 03/06/2025 19:13

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 03/06/2025 20:48

Lab File ID: 25MAR10-01.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d5-NEtPFOSA	Ave	0.4832	0.4841		2.00	2.00	0.2	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30570\20250310-140389.b\25MAR10-01.d
Lims ID: CCVO 1_CAL 1
Client ID:
Sample Type: CCVO
Inject. Date: 10-Mar-2025 17:15:20 ALS Bottle#: 2 Worklist Smp#: 1
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: CAL 1
Misc. Info.: Plate: 1 Rack: 1
Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570
Sublist: chrom-30570-1633-125ml*sub2

Method: \\chromfs\Lancaster\ChromData\30570\20250310-140389.b\30570-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 10-Mar-2025 22:01:01 Calib Date: 06-Mar-2025 20:48:33
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\25MAR06CAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1689

First Level Reviewer: RPU6 Date: 10-Mar-2025 17:54:45
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C3PFPrA										
166.00 > 121.00	2.003	2.003	0.0	0.484	1871059	2.11		105	454	
2 Perfluoropropionic acid										M
163.00 > 119.00	2.036	2.036	0.0	1.017	255713	0.2534		101	7.6	M
5 PFBA										
212.80 > 168.90	4.141	4.141	0.0	1.000	108184	0.1070		107	229	
D 3 13C4-PFBA										
216.80 > 171.90	4.141	4.141	0.0	1.000	2155432	2.04		102	73762	
* 4 13C3PFBA										
216.00 > 172.00	4.141	4.141	0.0		1968787	2.00			2923	
6 PFMPA										
229.00 > 84.90	4.447	4.447	0.0	0.930	53758	0.0510		102	2029	
7 3:3 FTCA										
241.00 > 177.00	4.457	4.457	0.0	0.932	4980	0.0911	Target=1.52	91.1	368	
241.00 > 117.00	4.457	4.457	0.0	0.932	3987		1.25(0.76-2.29)		296	
D 8 13C5 PFPeA										
268.30 > 223.00	4.783	4.783	0.0	0.910	1584834	2.15		108	101409	
9 PFPA										
263.00 > 219.00	4.783	4.783	0.0	1.000	60269	0.0486		97.2	1950	
10 PFMBA										
279.00 > 85.10	4.944	4.944	0.0	1.034	55416	0.0496		99.2	3940	
11 4:2FTS										
327.10 > 307.00	5.075	5.075	0.0	1.000	28000	0.0955	Target=1.56	102	2105	
327.10 > 80.90	5.075	5.075	0.0	1.000	16991		1.65(0.78-2.34)		471	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.075	5.075	0.0	0.798	757732	4.65		99.2	42029	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.224	5.224	0.0	0.994	25098	0.0561	Target=1.56	112	1793	
295.00 > 84.90	5.224	5.224	0.0	0.994	13734		1.83(0.78-2.34)		956	
* 16 13C2 PFHxA										
315.10 > 270.00	5.255	5.255	0.0		3686662	5.00			150747	
D 15 13C5 PFHxA										
318.00 > 273.00	5.255	5.255	0.0	1.000	2059067	2.08		104	104218	
17 PFHxA										
313.00 > 269.00	5.266	5.266	0.0	1.002	48602	0.0575	Target=11.59	115	1625	
313.00 > 118.90	5.266	5.266	0.0	1.002	3771		12.89(5.80-17.39)		260	
18 5:3 FTCA										
341.00 > 237.10	5.348	5.348	0.0	1.018	24329	0.2631	Target=0.73	105	1762	
341.00 > 217.00	5.348	5.348	0.0	1.018	35323		0.69(0.36-1.09)		2524	
D 20 13C3 PFBS										
302.10 > 79.90	5.401	5.401	0.0	0.850	1535452	1.93		103	110519	
19 PFBS										
298.70 > 79.90	5.411	5.411	0.0	1.002	32119	0.0435	Target=2.92	98.0	2289	
298.70 > 98.80	5.401	5.411	-0.010	1.000	12638		2.54(1.46-4.37)		873	
21 HFPO-DA										
284.90 > 168.90	5.448	5.448	0.0	1.000	39361	0.0398	Target=2.57	106	1343	
284.90 > 184.90	5.448	5.448	0.0	1.000	14111		2.79(1.28-3.85)		703	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.448	5.448	0.0	1.037	1829109	2.04		102	75680	
23 FBSA										
297.90 > 78.00	5.481	5.481	0.0	1.015	22906	0.0462		92.3	1491	
26 PFEESA										
314.80 > 134.90	5.658	5.658	0.0	1.077	96791	0.0470	Target=12.48	105	6538	
314.80 > 82.90	5.647	5.658	-0.011	1.074	8325		11.63(6.24-18.71)		586	
28 PFHpA										
363.10 > 319.00	5.700	5.700	0.0	1.000	43789	0.0622	Target=1.91	124	2175	
363.10 > 169.00	5.700	5.700	0.0	1.000	23011		1.90(0.96-2.87)		1462	
D 27 13C4 PFHpA										
367.10 > 322.00	5.700	5.700	0.0	1.085	1927341	2.05		103	96346	
29 ADONA										
376.90 > 250.90	5.860	5.860	0.0	1.076	119548	0.0532	Target=2.10	112	8614	
376.90 > 84.80	5.860	5.860	0.0	1.076	57952		2.06(1.05-3.14)		4210	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.900	5.900	0.0	0.928	672215	4.94		104	49039	
30 PFPeS										
349.10 > 79.90	5.900	5.900	0.0	0.928	36449	0.0480	Target=3.36	102	2585	
349.10 > 98.90	5.909	5.900	0.009	0.930	10086		3.61(1.68-5.04)		708	
31 6:2FTS										
427.10 > 407.00	5.900	5.900	0.0	1.000	22605	0.0907	Target=1.65	95.7	1668	
427.10 > 80.90	5.900	5.900	0.0	1.000	15016		1.51(0.83-2.48)		1075	
33 BTS										
280.00 > 147.00	6.075	6.075	0.0	0.956	46386	0.0395		80.6	3307	
D 34 13C8 PFOA										
421.10 > 376.00	6.118	6.118	0.0	1.000	2415158	2.15		107	182075	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 35 13C4 PFOA										
417.10 > 372.00	6.118	6.118	0.0		5669208	5.00			13461	
36 PFOA										
413.00 > 369.00	6.127	6.127	0.0	1.001	42115	0.0470	Target=1.59	93.9	80.8	
413.00 > 169.00	6.118	6.127	-0.009	1.000	25615		1.64(0.79-2.38)		45.8	
37 7:3 FTCA										
441.00 > 316.90	6.214	6.214	0.0	1.182	23649	0.2819	Target=0.64	113	1656	
441.00 > 336.90	6.222	6.214	0.008	1.184	33341		0.71(0.32-0.96)		2406	
* 38 18O2 PFHxS										
403.00 > 83.90	6.356	6.356	0.0		1201831	1.89			84608	
40 PFHxS										
398.70 > 79.90	6.356	6.356	0.0	1.000	28285	0.0497	Target=3.42	109	88.2	
398.70 > 98.90	6.356	6.356	0.0	1.000	9638		2.93(1.71-5.12)		3809	
D 39 13C3 PFHxS										
402.10 > 79.90	6.356	6.356	0.0	1.000	1197797	1.95		103	84765	
D 42 13C9 PFNA										
472.10 > 427.00	6.535	6.535	0.0	1.000	2107464	2.12		106	110248	
* 41 13C5 PFNA										
468.00 > 423.00	6.535	6.535	0.0		2033687	2.00			107131	
43 PFNA										
463.00 > 419.00	6.535	6.535	0.0	1.000	50730	0.0548	Target=2.53	110	71.0	
463.00 > 219.00	6.526	6.535	-0.009	0.999	21029		2.41(1.26-3.79)		22.2	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.712	6.712	0.0	1.056	576769	5.03		105	41165	
44 8:2FTS										
527.10 > 507.00	6.712	6.712	0.0	1.000	20787	0.1116	Target=1.68	117	1515	
527.10 > 80.80	6.722	6.712	0.010	1.001	10685		1.95(0.84-2.52)		742	
46 PFECHS										
461.00 > 381.00	6.759	6.759	0.0	1.063	8965	0.0452	Target=0.26	97.9	660	
461.00 > 99.00	6.759	6.759	0.0	1.063	36323		0.25(0.13-0.39)		2508	
47 PFHpS										
449.00 > 79.90	6.796	6.796	0.0	0.941	33651	0.0533	Target=3.85	112	2353	
449.00 > 98.80	6.796	6.796	0.0	0.941	7839		4.29(1.92-5.77)		553	
D 48 d3-NMeFOSAA										
573.20 > 419.00	6.873	6.873	0.0	0.952	1473425	4.69		93.9	75795	
49 NMeFOSAA										M
570.10 > 419.00	6.891	6.891	0.0	1.003	17199	0.0565	Target=1.84	113	4832	
570.10 > 483.00	6.882	6.891	-0.009	1.001	7948		2.16(0.92-2.76)		2416	M
53 FHxSA										
397.90 > 78.00	6.900	6.900	0.0	1.086	41109	0.0514		103	2799	
* 50 13C2 PFDA										
515.10 > 470.10	6.947	6.947	0.0		1856006	2.00			130108	
D 51 13C6 PFDA										
519.10 > 474.10	6.947	6.947	0.0	1.000	1955574	2.06		103	102135	
52 PFDA										
512.90 > 469.00	6.947	6.947	0.0	1.000	33123	0.0465	Target=3.96	93.0	2363	
512.90 > 219.00	6.947	6.947	0.0	1.000	10493		3.16(1.98-5.94)		761	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.060	7.060	0.0	0.978	1401285	5.28		106	73483	
55 NEtFOSAA										
584.20 > 419.10	7.087	7.087	0.0	1.004	12363	0.0521	Target=1.53	104	3491	
584.20 > 526.00	7.069	7.087	-0.018	1.001	8068		1.53(0.76-2.29)		17.4	
D 56 13C8 PFOS										
507.10 > 79.90	7.222	7.222	0.0	1.000	931617	1.90		99.1	47887	
* 57 13C4 PFOS										
502.80 > 79.90	7.222	7.222	0.0		937660	1.91			64338	
58 PFOS										
498.90 > 79.90	7.231	7.231	0.0	1.001	36194	0.0510	Target=4.24	110	4482	
498.90 > 98.80	7.222	7.231	-0.009	1.000	8231		4.40(2.12-6.36)		2241	
60 PFUnA										
563.10 > 519.00	7.360	7.360	0.0	1.000	26579	0.0477	Target=3.85	95.5	1942	
563.10 > 269.10	7.369	7.360	0.009	1.001	7415		3.58(1.92-5.77)		537	
D 59 13C7 PFUnA										
570.00 > 525.10	7.360	7.360	0.0	1.059	2070082	2.10		105	88819	
61 9ClFOS										
530.80 > 351.00	7.543	7.543	0.0	1.384	66779	0.0484	Target=3.07	104	4871	
532.80 > 353.00	7.543	7.543	0.0	1.384	22372		2.98(1.53-4.60)		1645	
62 PFNS										
548.80 > 79.90	7.639	7.639	0.0	1.058	28131	0.0515	Target=3.59	107	2078	
548.80 > 98.80	7.639	7.639	0.0	1.058	7225		3.89(1.79-5.38)		526	
D 81 13C2 PFDoA										
615.10 > 570.00	7.777	7.777	0.0	1.120	1764589	2.08		104	64855	
63 PFDoA										
613.10 > 569.00	7.785	7.785	0.0		35394	0.0520	Target=4.53	104	2638	
613.10 > 319.00	7.785	7.785	0.0		7859		4.50(2.27-6.80)		563	
D 65 13C8 FOSA										
506.10 > 77.80	7.941	7.941	0.0	1.100	986852	1.88		93.9	54474	
64 PFOSA										M
498.10 > 77.90	7.949	7.949	0.0	1.001	24391	0.0524	Target=45.11	105	95.8	M
498.10 > 478.00	7.941	7.949	-0.008	1.000	634		38.47(22.56-67.67)		5.0	M
66 PFDS										
599.00 > 79.90	8.049	8.049	0.0	1.115	36434	0.0530	Target=3.86	110	2782	
599.00 > 98.80	8.057	8.049	0.008	1.116	8597		4.24(1.93-5.78)		650	
67 PFTrDA										
663.00 > 619.00	8.195	8.195	0.0	0.953	40168	0.0498	Target=4.57	99.6	3108	
663.00 > 168.90	8.195	8.195	0.0	0.953	8762		4.58(2.28-6.85)		682	
68 11ClFOS										
630.90 > 450.90	8.382	8.382	0.0	1.538	68770	0.0546	Target=2.96	116	5270	
632.90 > 452.90	8.382	8.382	0.0	1.538	23009		2.99(1.48-4.43)		1774	
70 PFTeDA										
713.10 > 168.90	8.602	8.602	0.0	1.000	5263	0.0442	Target=0.89	88.3	300	
713.10 > 219.00	8.602	8.602	0.0	1.000	7502		0.70(0.44-1.33)		435	
D 69 13C2 PFTeDA										
715.20 > 670.00	8.602	8.602	0.0	1.238	1354418	2.25		112	76585	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.781	8.781	0.0	1.216	354962	4.71		94.1	5514	
73 N-MeFOSE-M										M
616.10 > 58.90	8.809	8.809	0.0	1.003	42879	0.2465		98.6	10734	M
71 PFDoS										
699.10 > 79.90	8.823	8.823	0.0	1.222	27442	0.0503	Target=4.18	104	1480	
699.10 > 98.80	8.823	8.823	0.0	1.222	7472		3.67(2.09-6.27)		405	
D 74 d3-NMePFOSA										
515.00 > 219.00	8.905	8.905	0.0	1.233	349403	2.02		101	19458	
75 NMeFOSA										
511.90 > 219.00	8.919	8.919	0.0	1.001	8850	0.0546	Target=0.67	109	47.8	
511.90 > 169.00	8.919	8.919	0.0	1.001	11368		0.78(0.33-1.00)		33.5	
D 76 d9-N-EtFOSE										
639.20 > 58.90	9.025	9.025	0.0	1.250	427651	4.51		90.2	10559	
77 N-EtFOSE-M										
630.00 > 58.90	9.051	9.051	0.0	1.003	70454	0.2520		101	114	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.123	9.123	0.0	1.263	474786	2.00		100	22296	
79 N-EtFOSA-M										
526.00 > 219.00	9.135	9.135	0.0	1.001	10554	0.0503	Target=0.82	101	110	
526.00 > 169.00	9.135	9.135	0.0	1.001	13184		0.80(0.41-1.24)		115	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.723	9.723	0.0	1.130	38534	0.0464	Target=14.67	92.9	5342	
913.00 > 169.00	9.723	9.723	0.0	1.130	2711		14.21(7.34-22.01)		362	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_CAL1_00036 Amount Added: 1.00 Units: mL

Report Date: 10-Mar-2025 22:01:03 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30570\20250310-140389.b\25MAR10-01.d

Injection Date: 10-Mar-2025 17:15:20 Instrument ID: 30570

Lims ID: CCVO 1_CAL 1

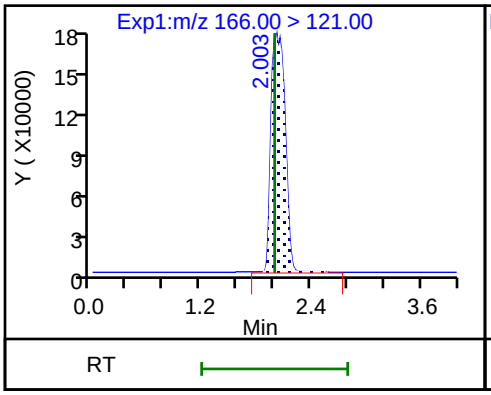
Client ID:

Operator ID: ETUS023_USR_INS00003 ALS Bottle#: 2 Worklist Smp#: 1

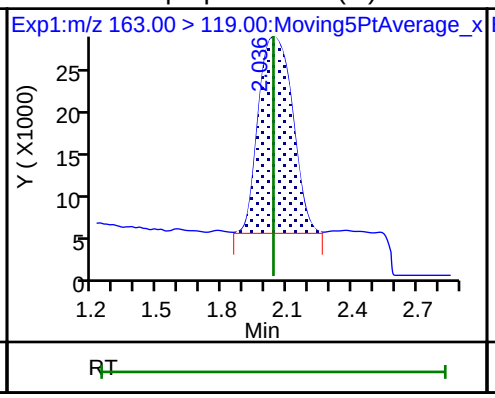
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 30570-1633-125ml Limit Group: LC - 1633 LVI- ICAL

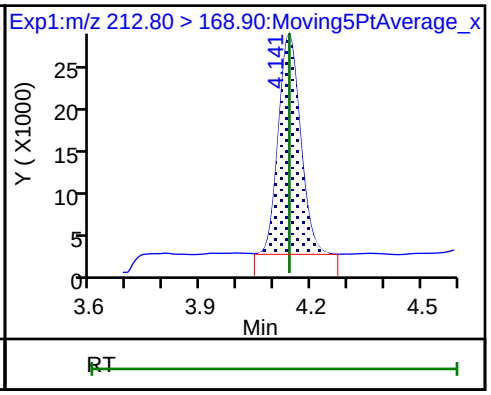
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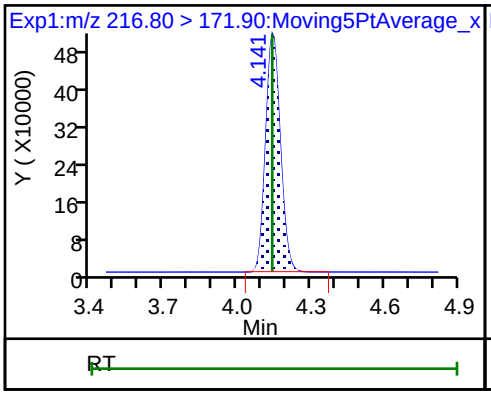
2 Perfluoropropionic acid (M)



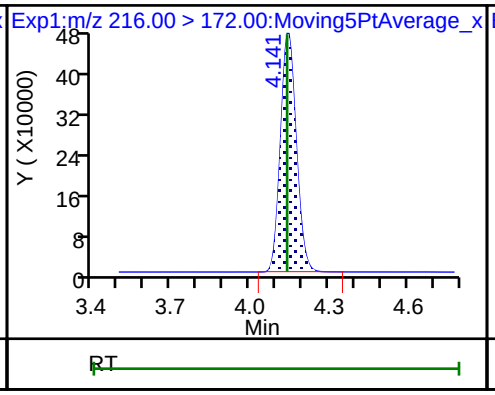
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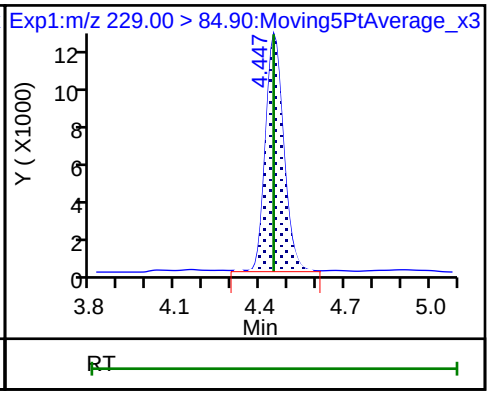
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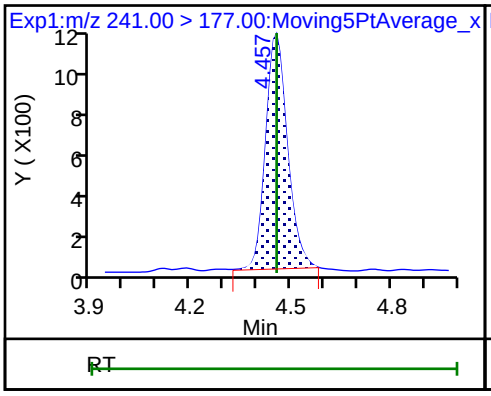
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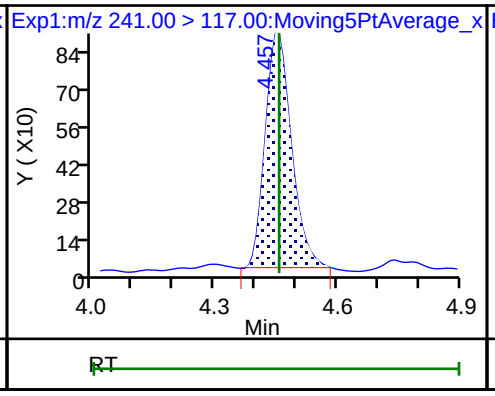
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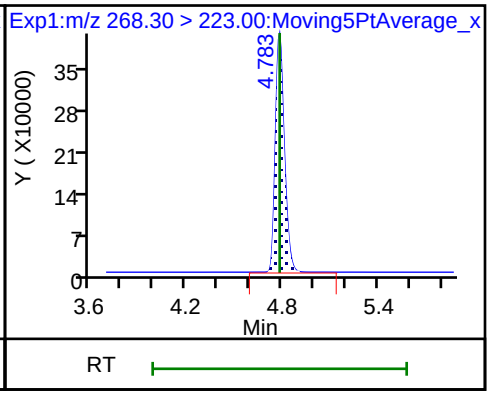
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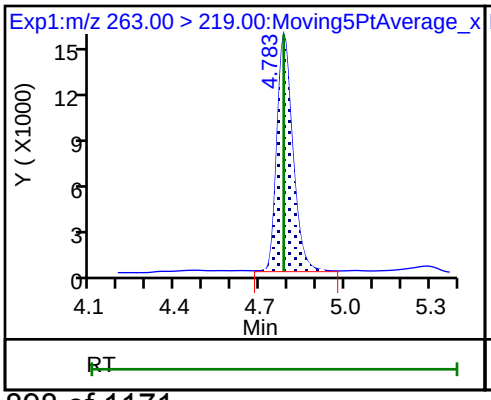
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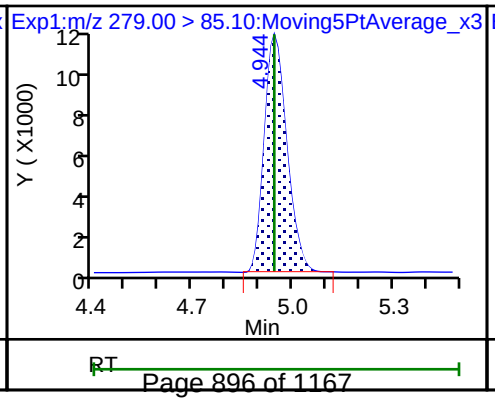
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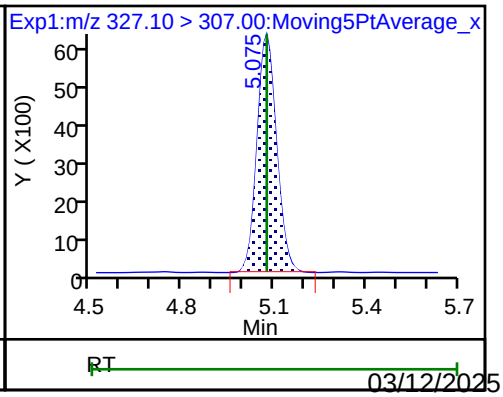
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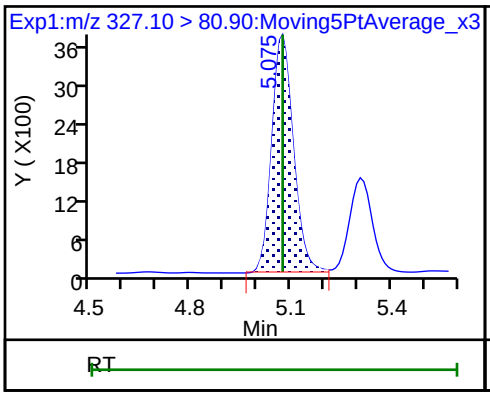
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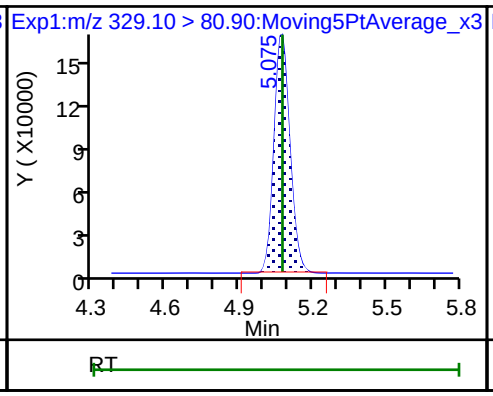
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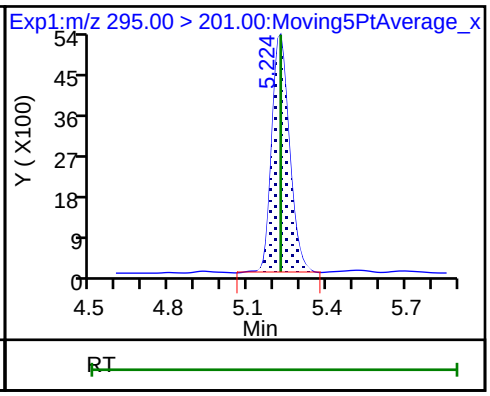
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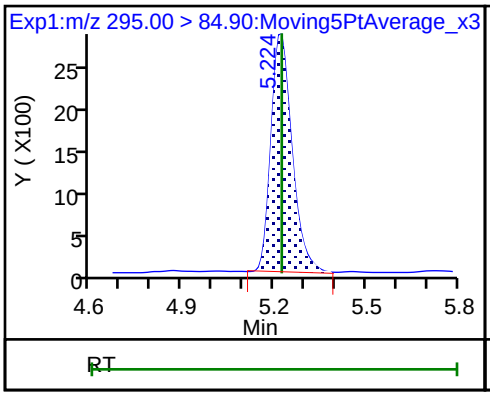
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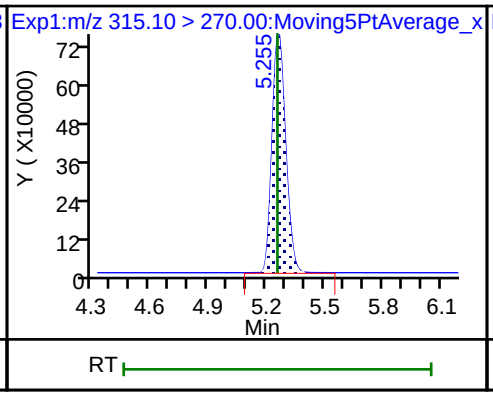
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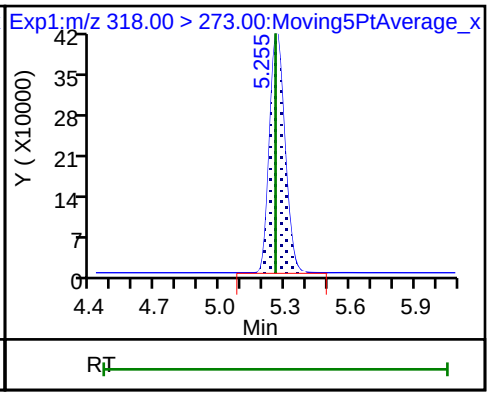
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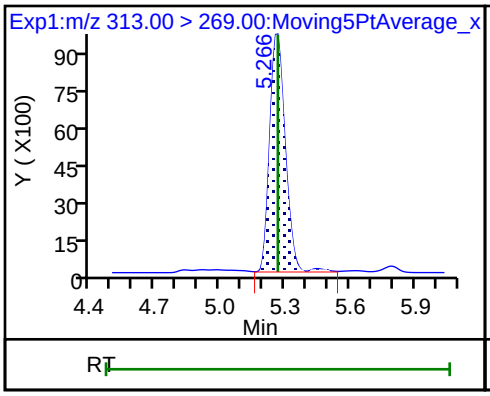
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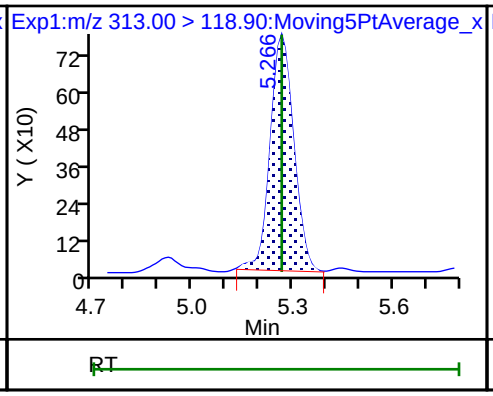
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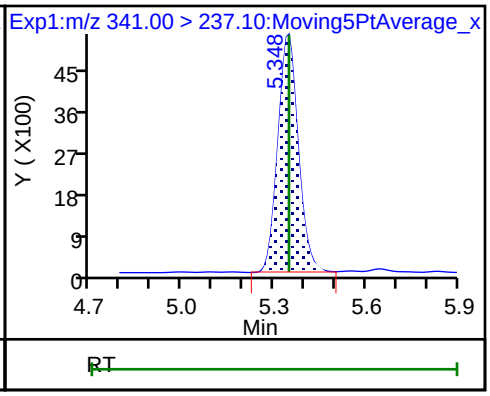
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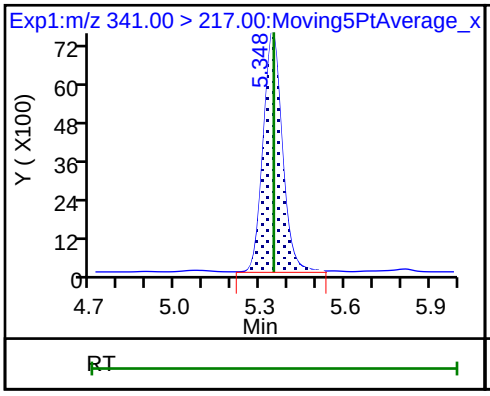
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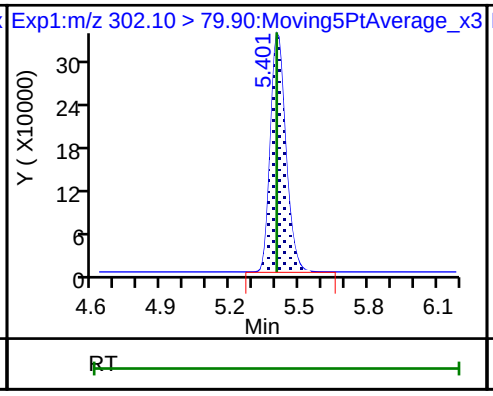
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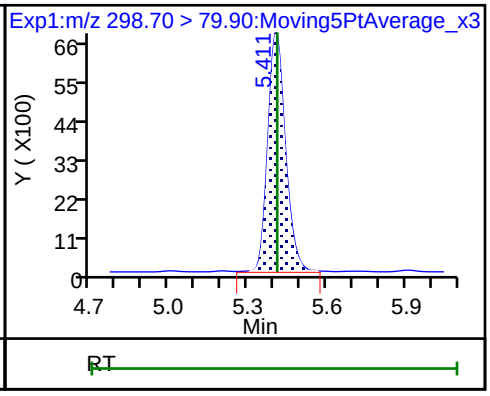
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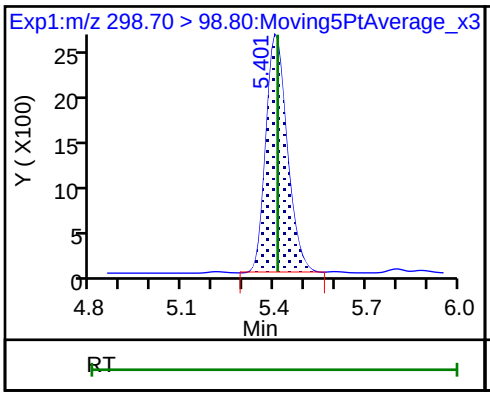
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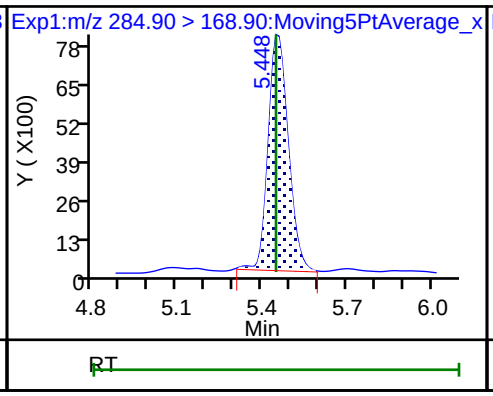
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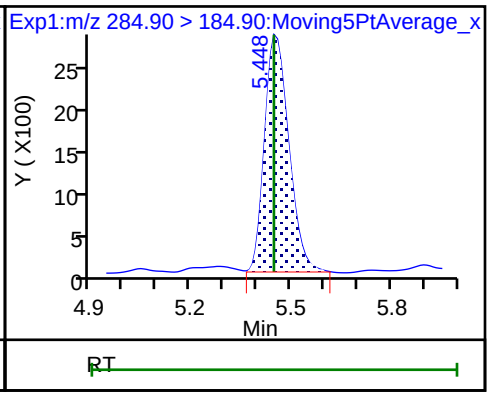
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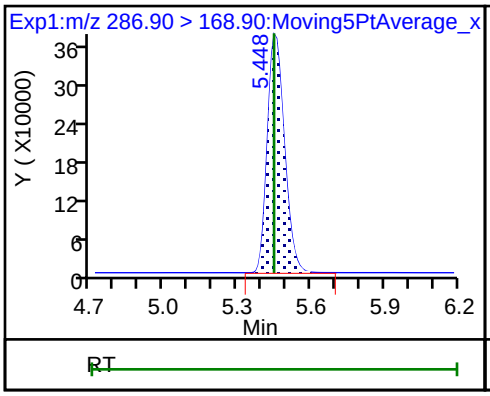
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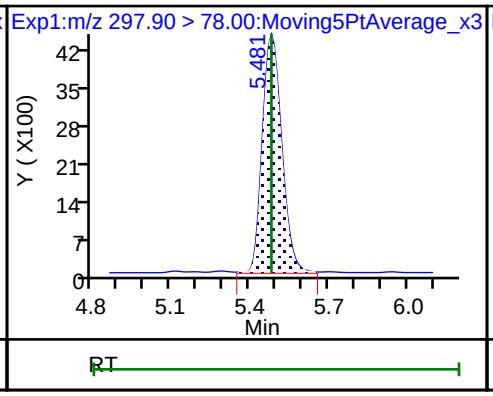
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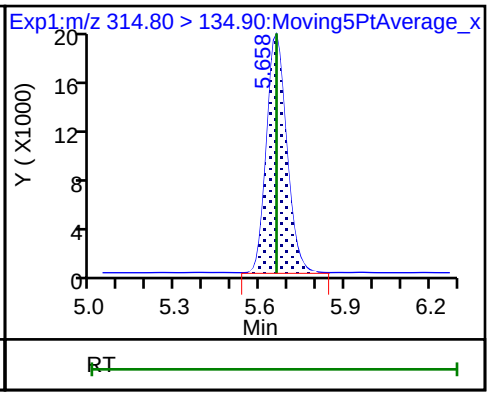
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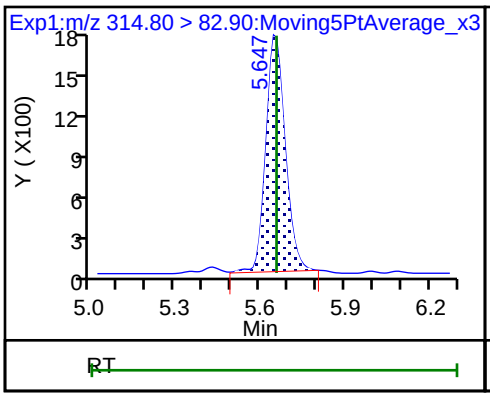
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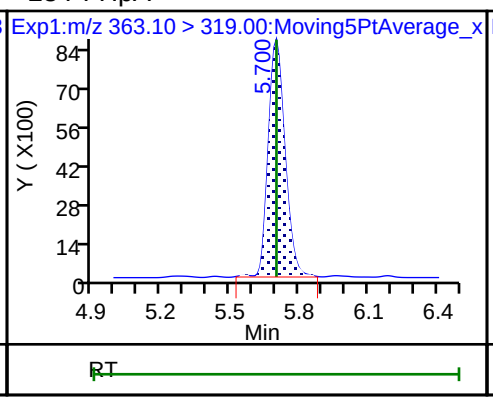
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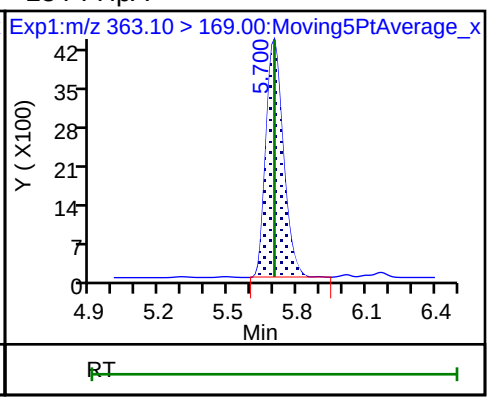
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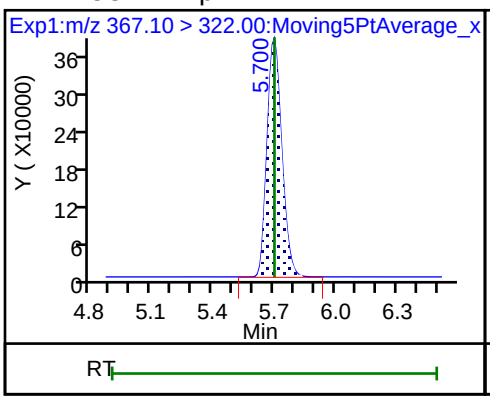
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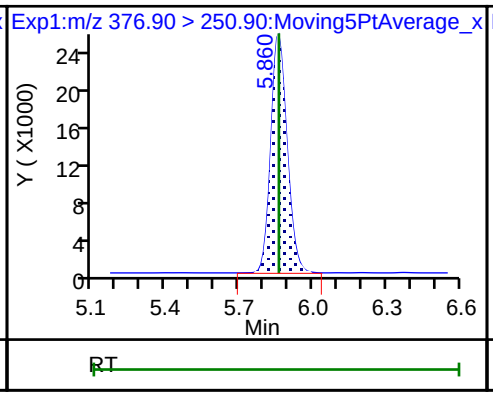
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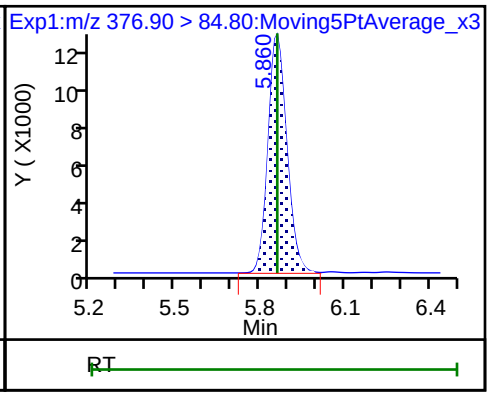
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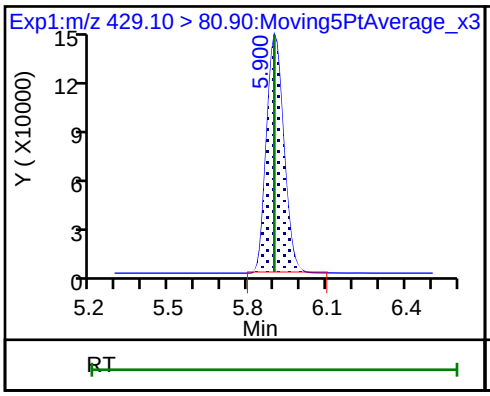
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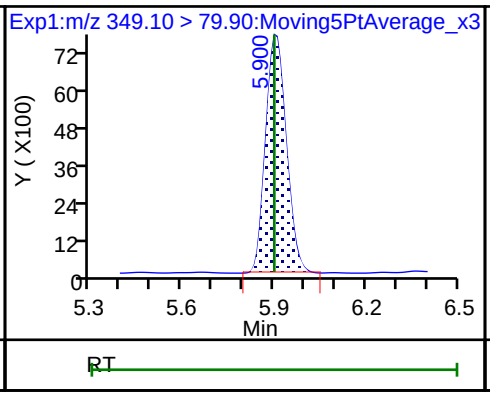
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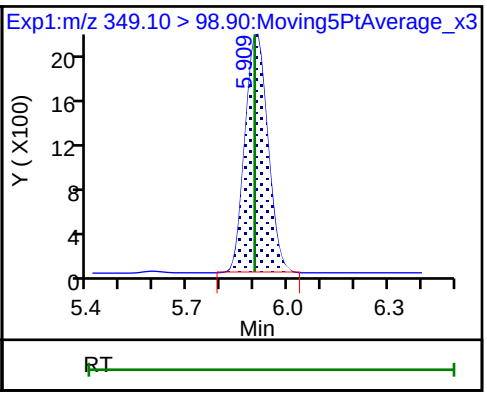
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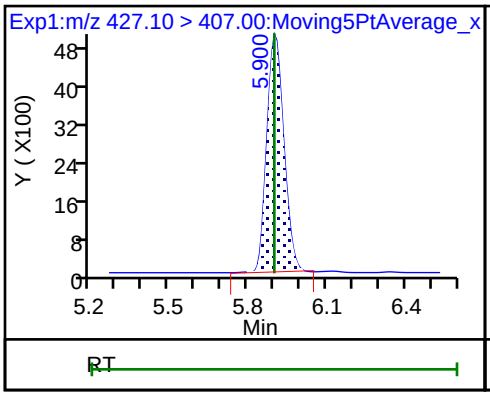
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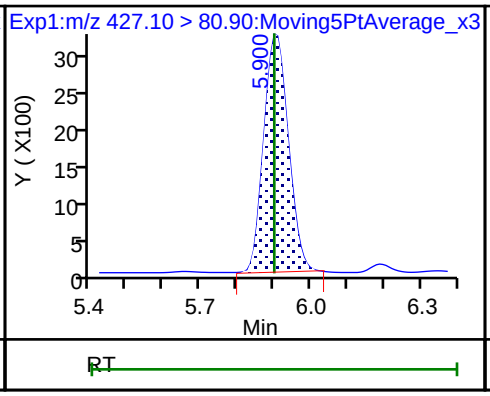
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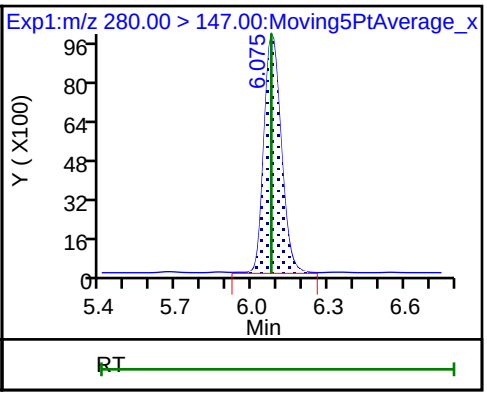
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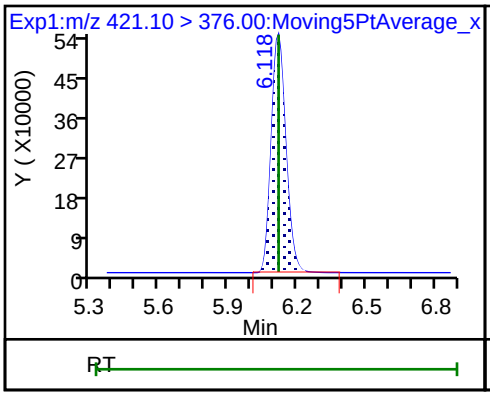
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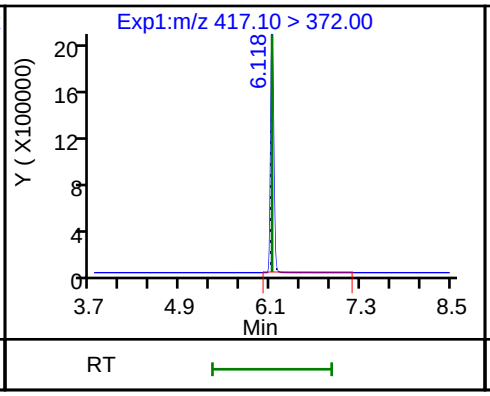
33 BTS



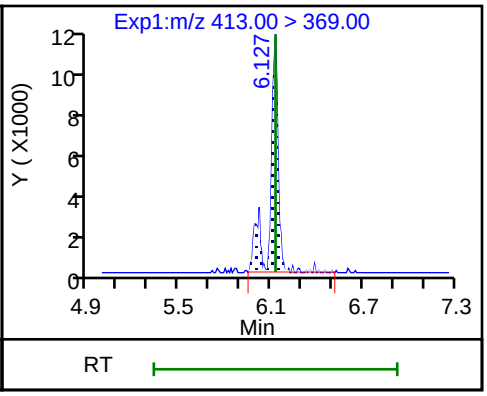
D 34 13C8 PFOA



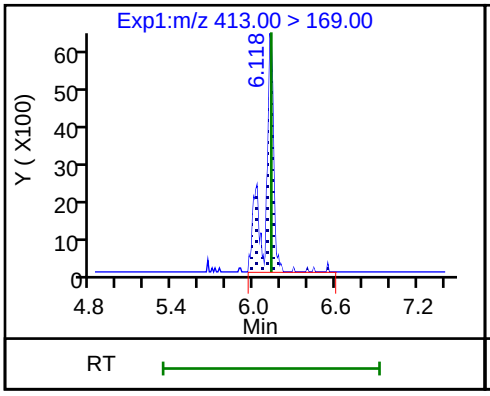
* 35 13C4 PFOA



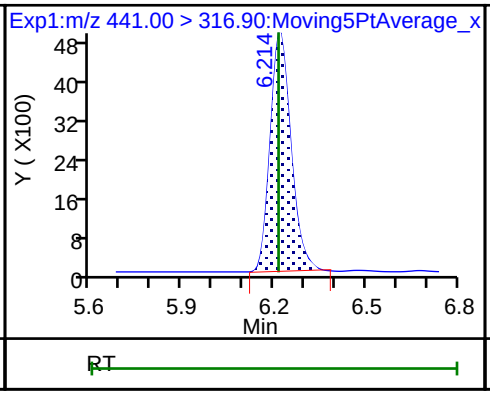
36 PFOA



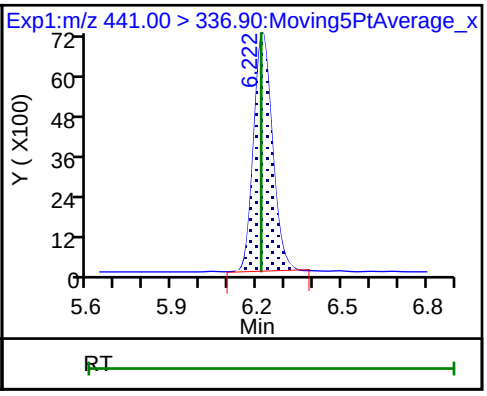
36 PFOA



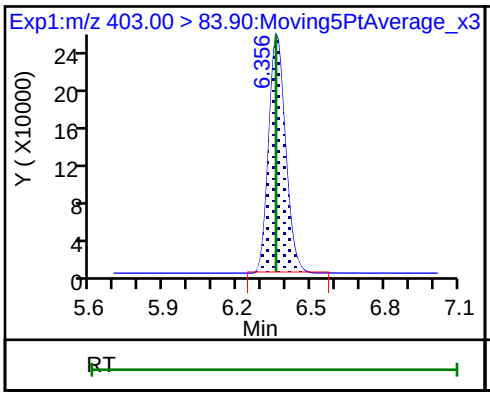
37 7:3 FTCA



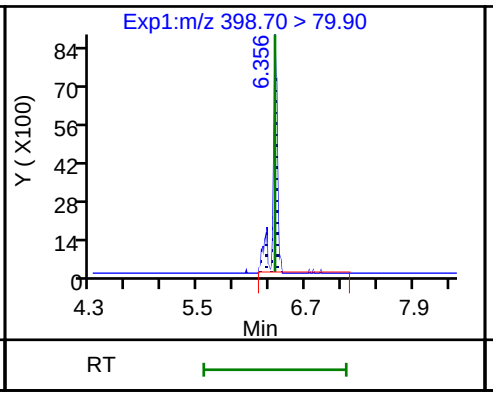
37 7:3 FTCA



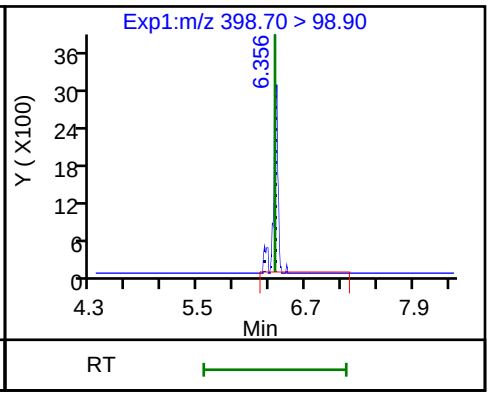
* 38 18O2 PFHxS



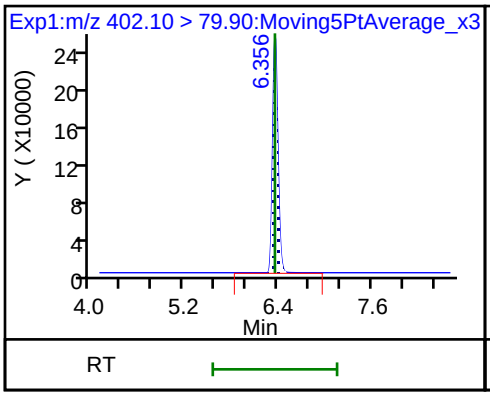
40 PFHxS



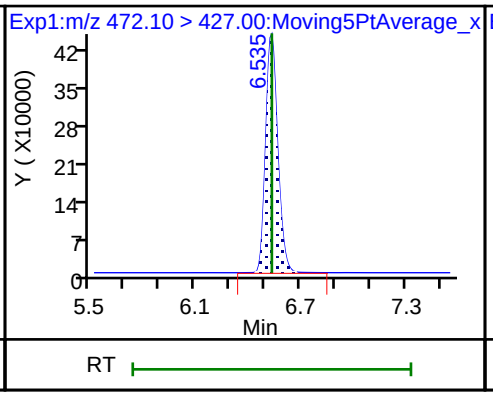
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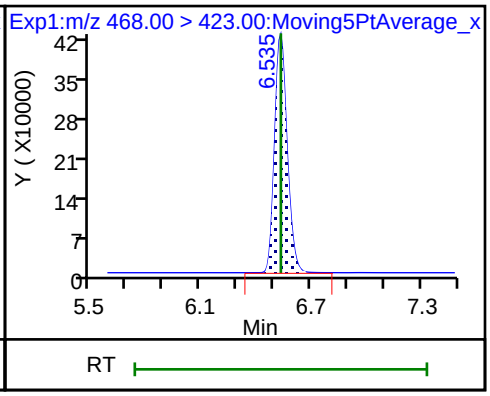
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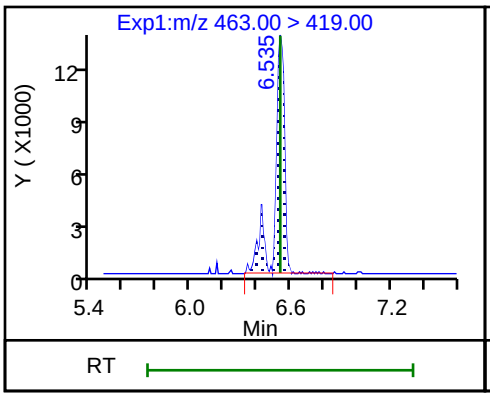
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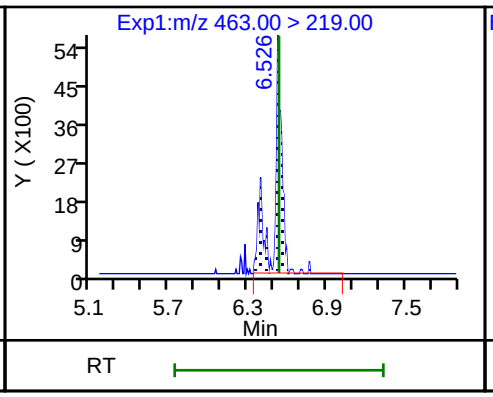
* 41 13C5 PFNA



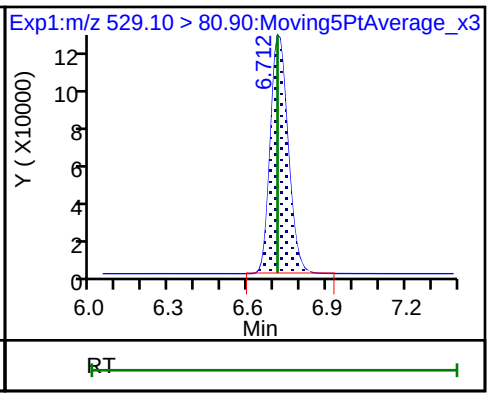
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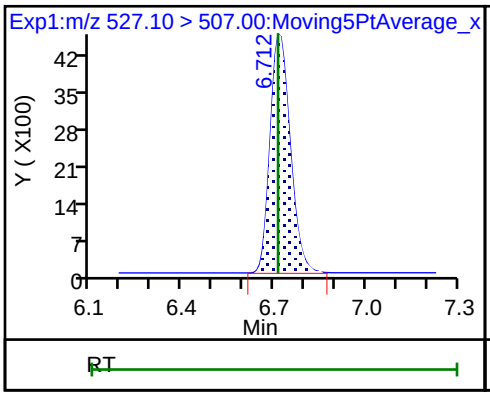
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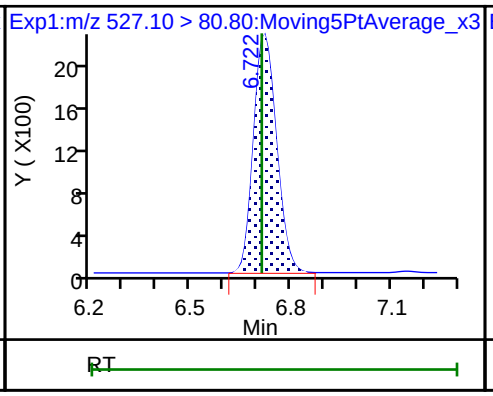
D 45 13C2-8:2FTS



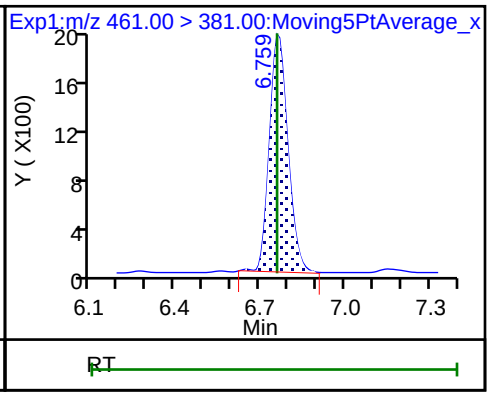
44 8:2FTS



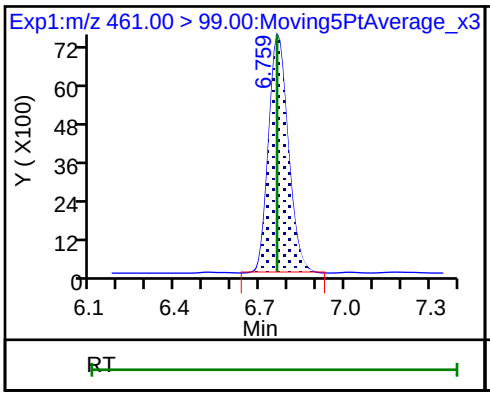
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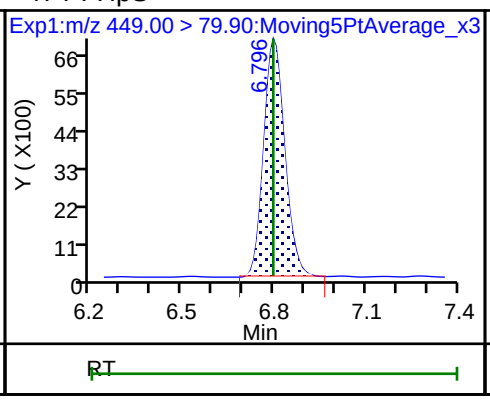
46 PFECHS



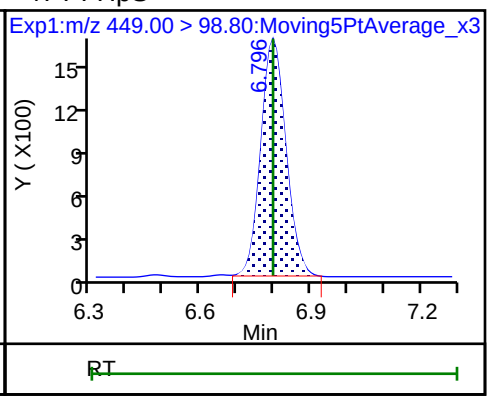
46 PFECHS



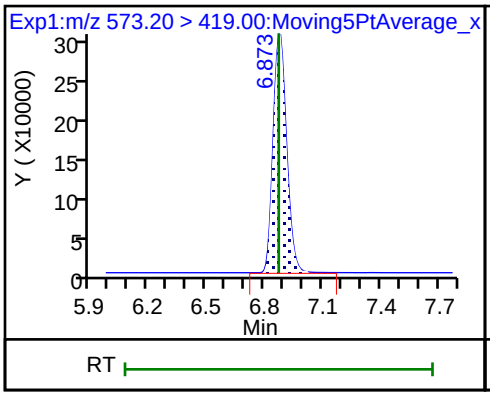
47 PFHpS



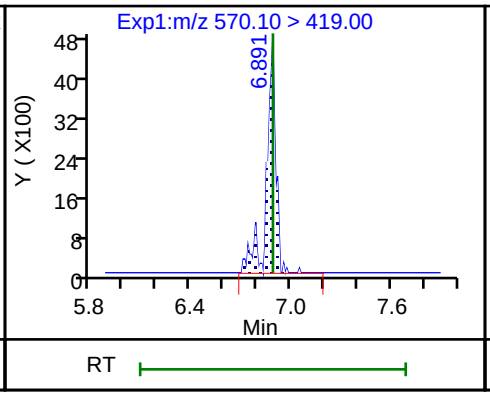
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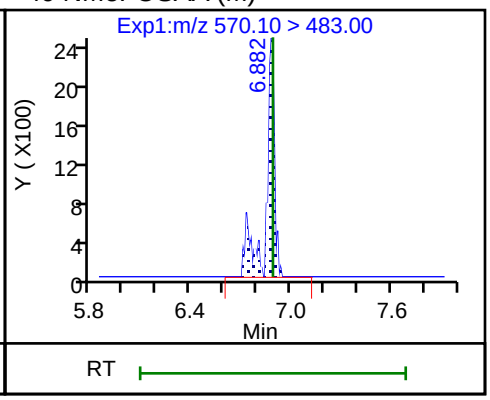
D 48 d3-NMeFOSAA



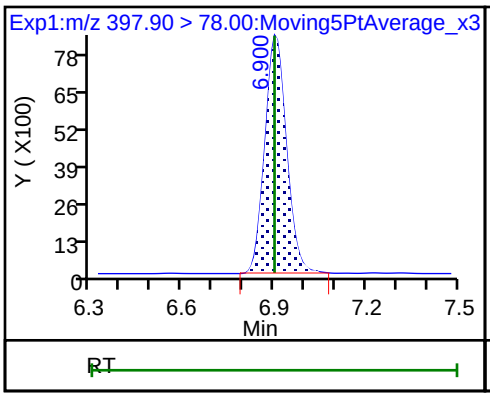
49 NMeFOSAA



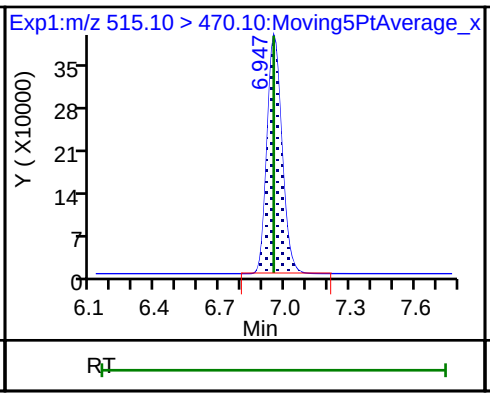
49 NMeFOSAA (M)



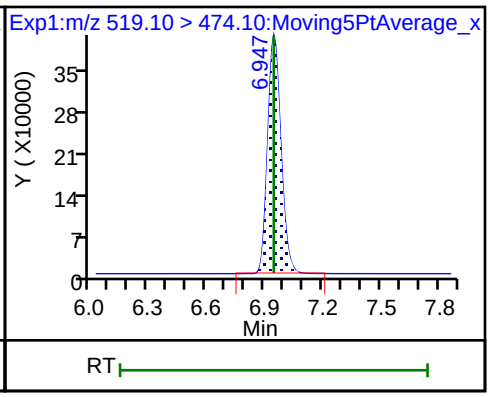
53 FHxSA



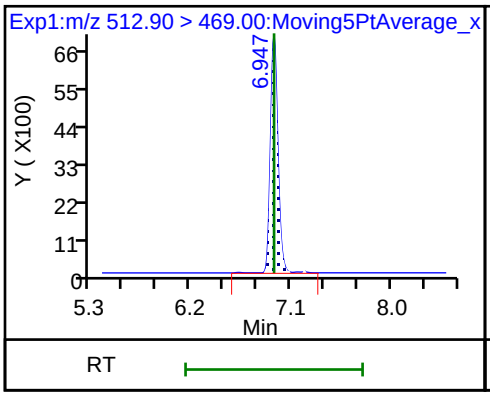
* 50 13C2 PFDA



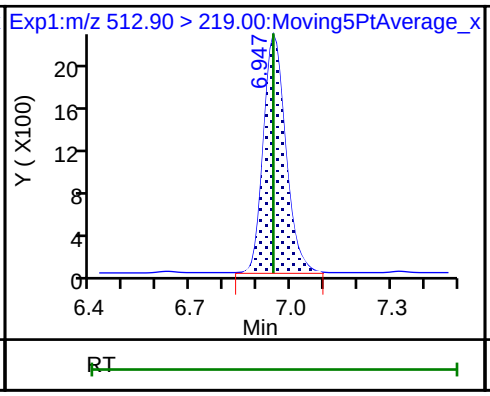
D 51 13C6 PFDA



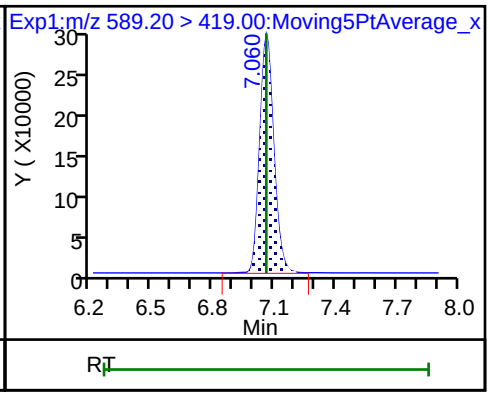
52 PFDA



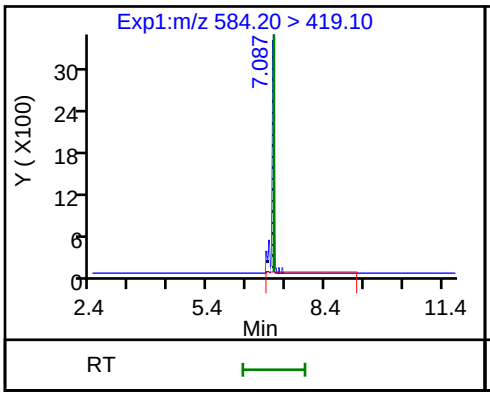
52 PFDA



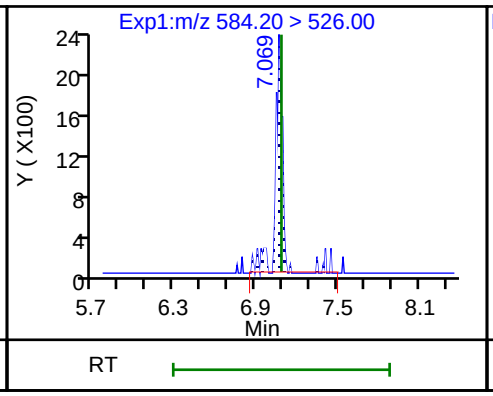
D 54 d5-NEtFOSAA



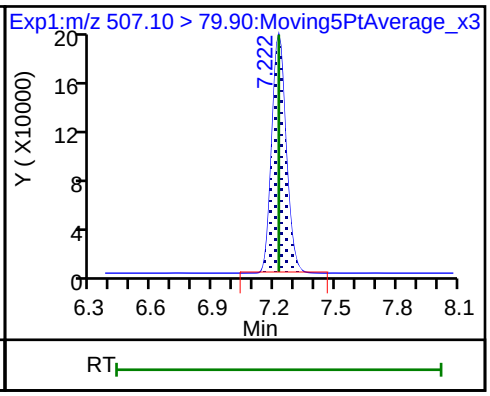
55 NEtFOSAA



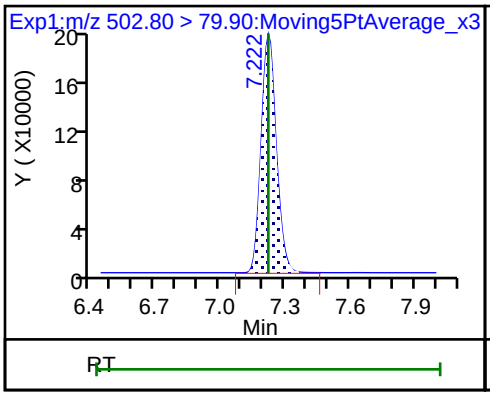
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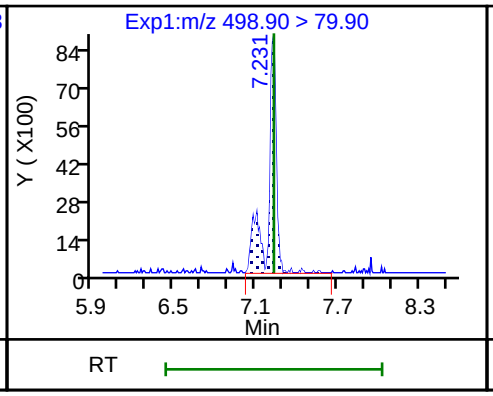
D 56 13C8 PFOS



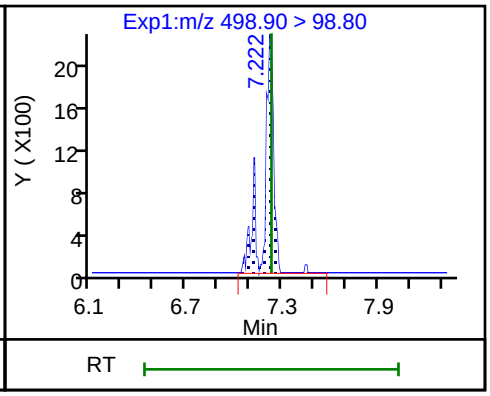
* 57 13C4 PFOS



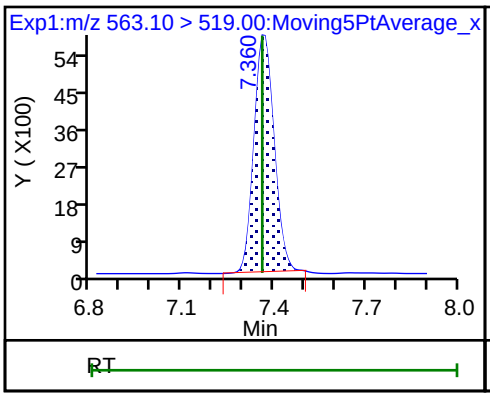
58 PFOS



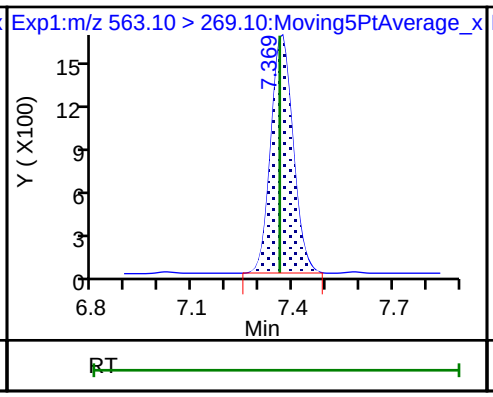
58 PFOS



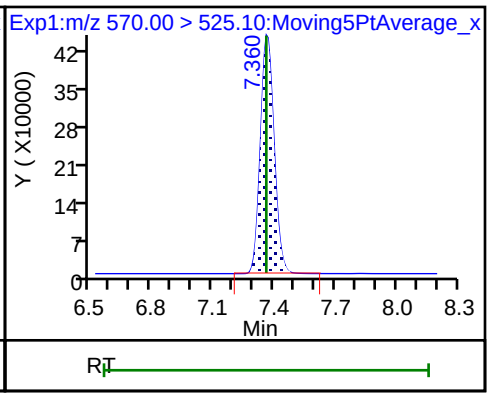
60 PFUnA



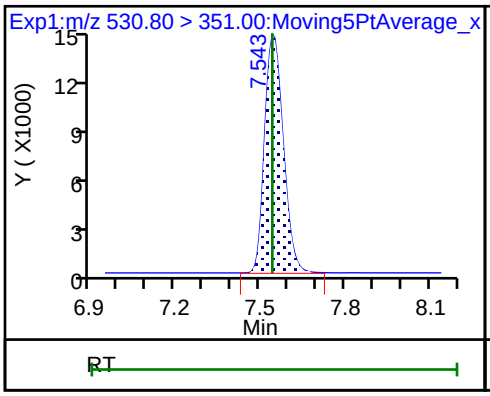
60 PFUnA



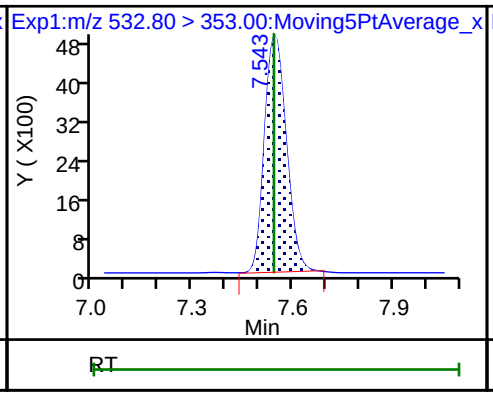
D 59 13C7 PFUnA



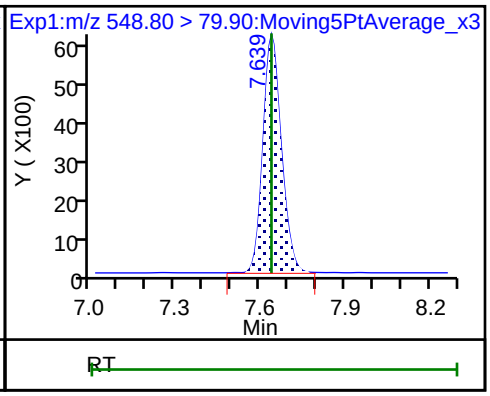
61 9ClFOS



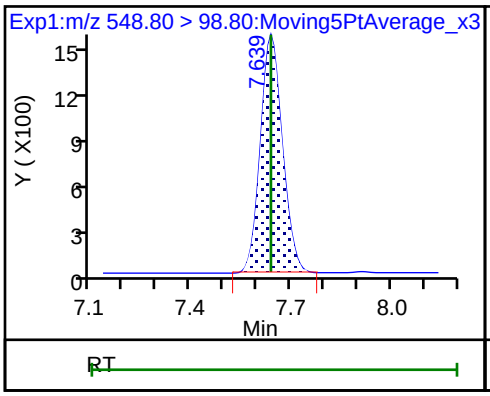
61 9ClFOS



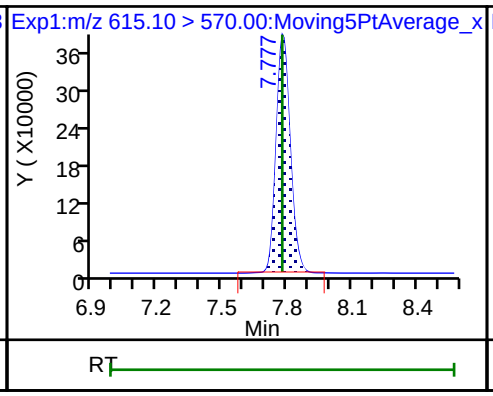
62 PFNS



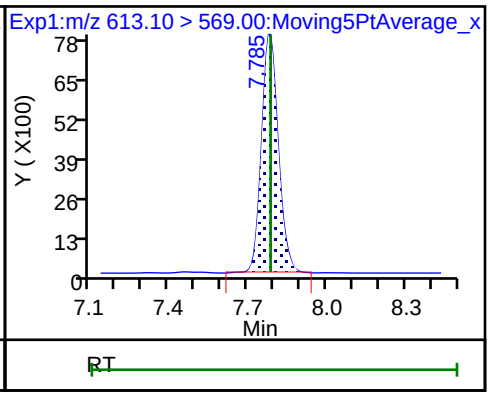
62 PFNS



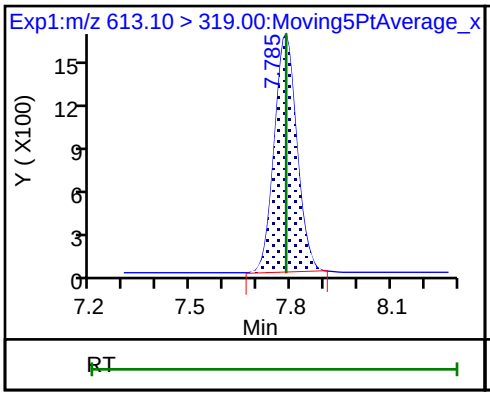
D 81 13C2 PFDoA



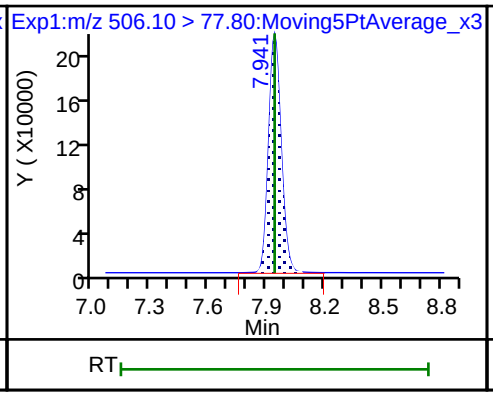
63 PFDoA



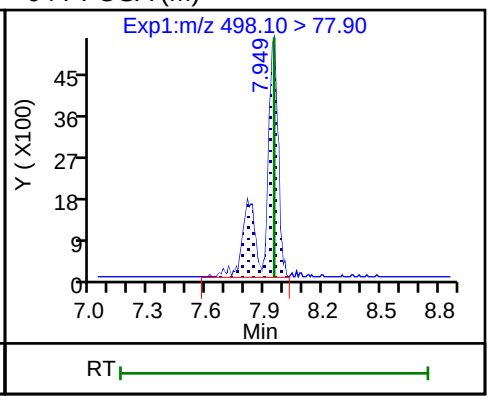
63 PFDoA



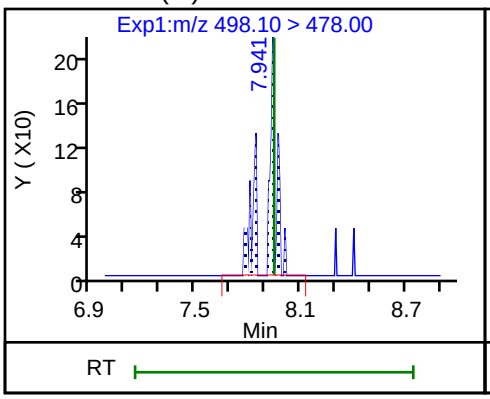
D 65 13C8 FOSA



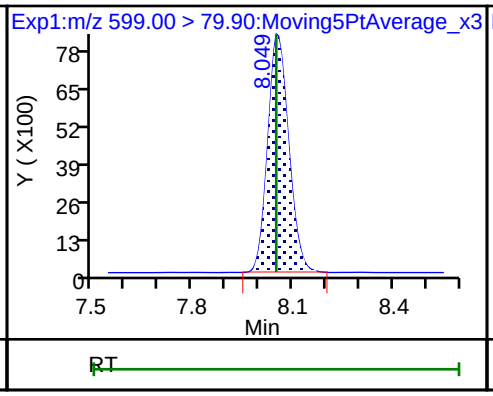
64 PFOSA (M)



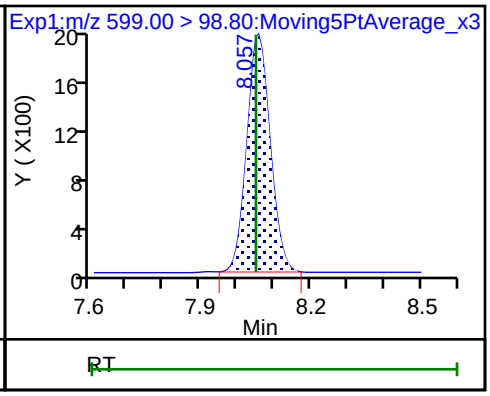
64 PFOSA (M)



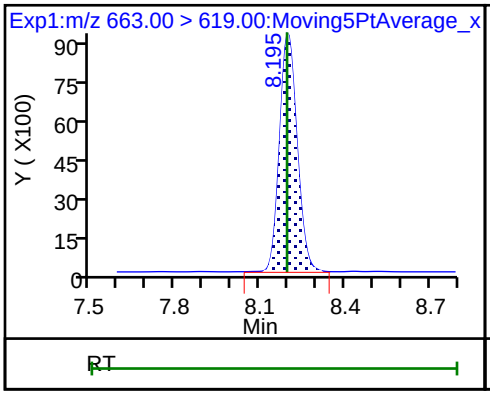
66 PFDS



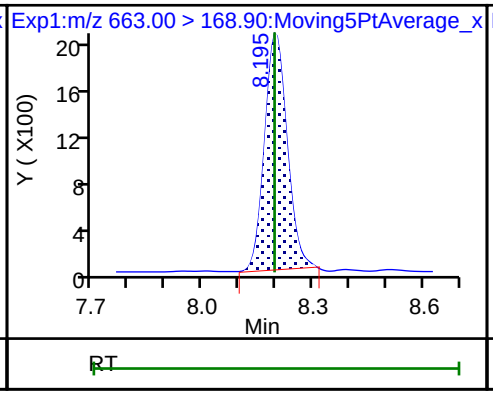
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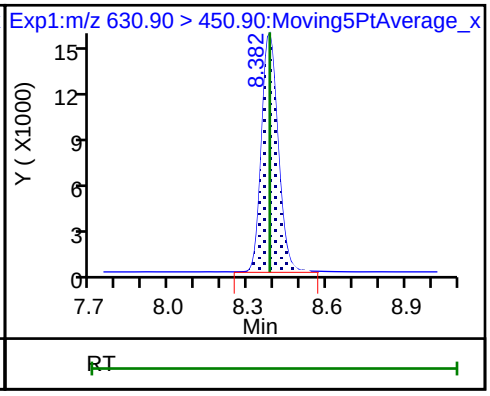
67 PFTrDA



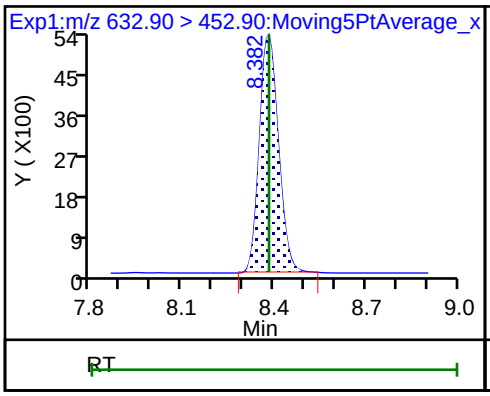
67 PFTrDA



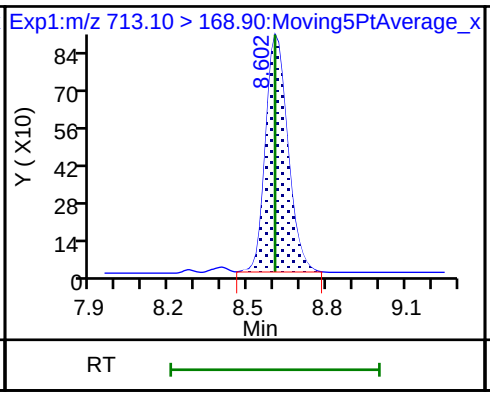
68 11ClFOS



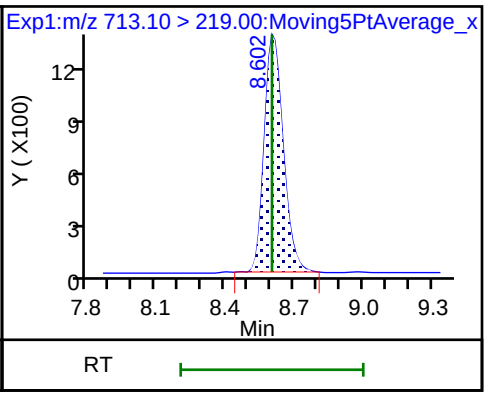
68 11ClFOS



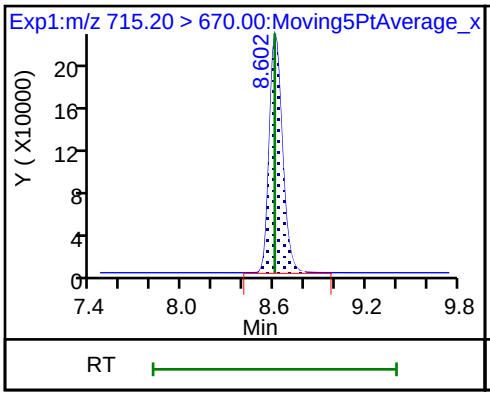
70 PFTeDA



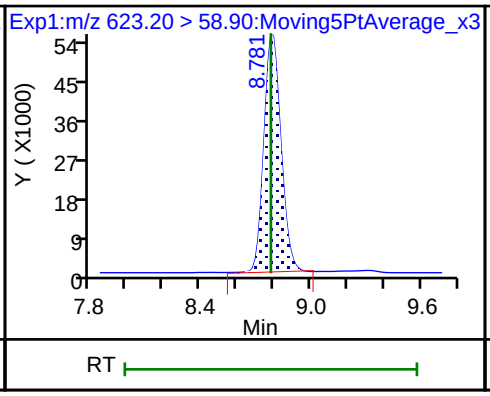
70 PFTeDA



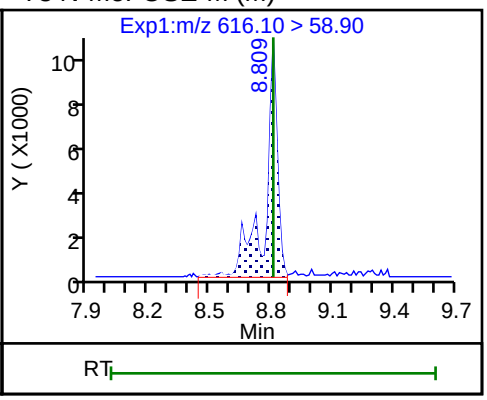
D 69 13C2 PFTeDA



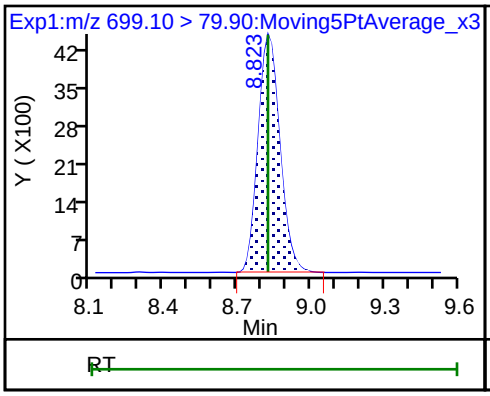
D 72 d7-N-Me-FOSE



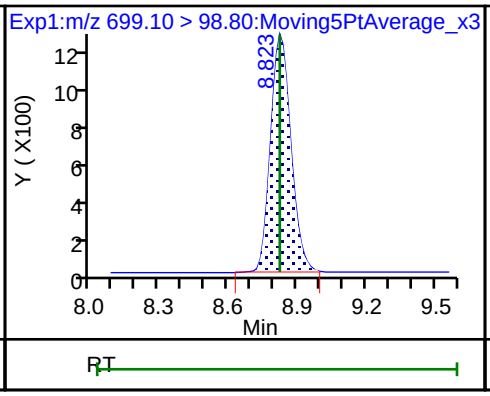
73 N-MeFOSE-M (M)



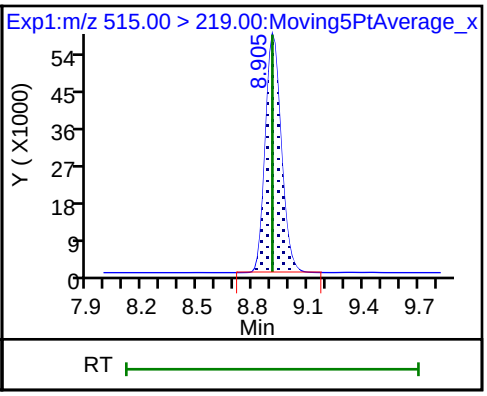
71 PFDoS



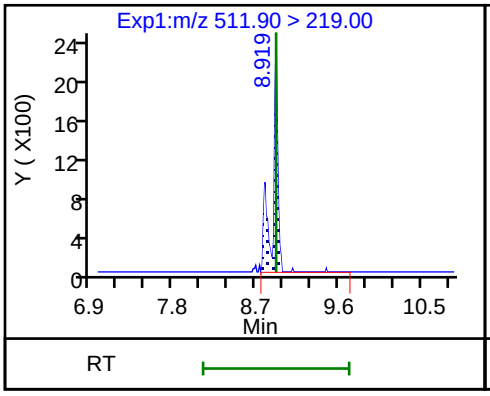
71 PFDoS



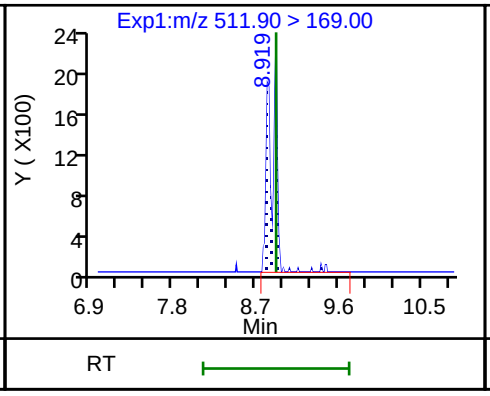
D 74 d3-NMePFOSA



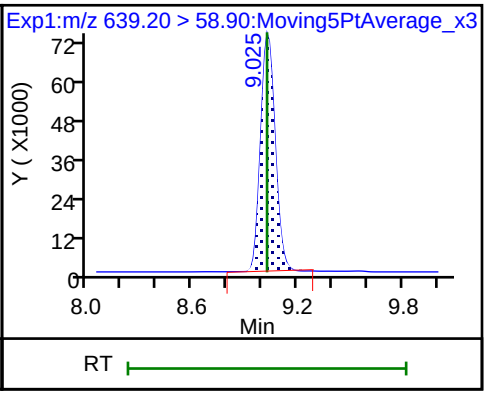
75 NMeFOSA



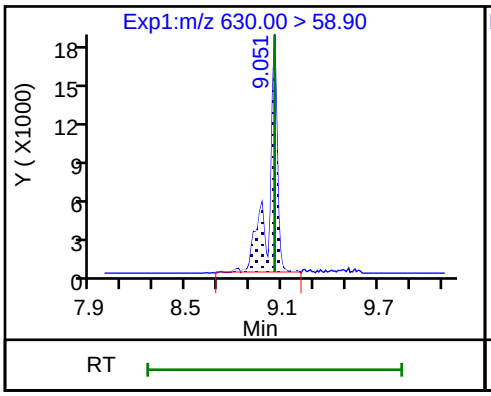
75 NMeFOSA



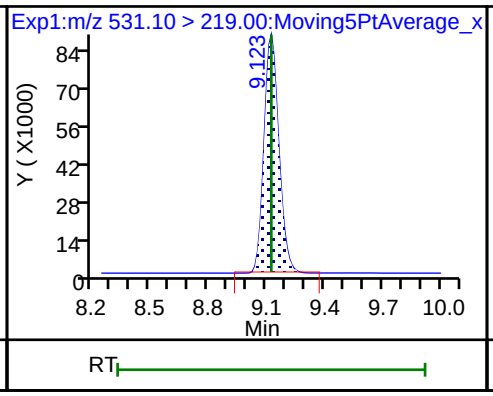
D 76 d9-N-EtFOSE



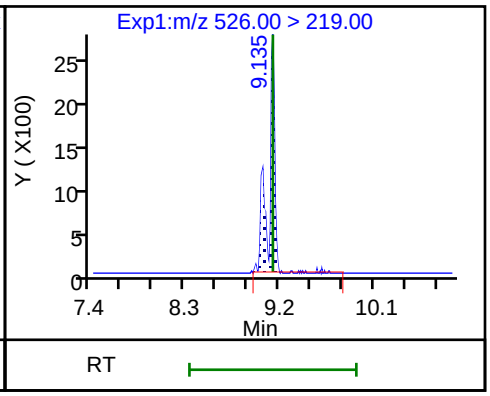
77 N-EtFOSE-M



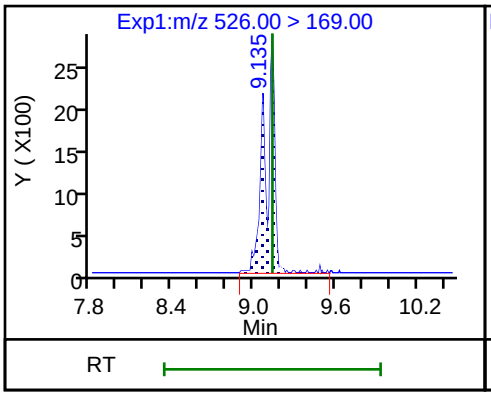
D 78 d5-NEtPFOSA



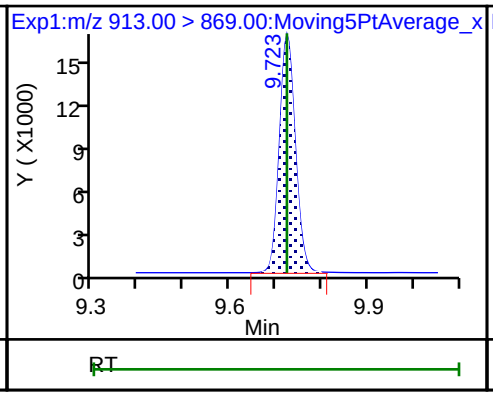
79 N-EtFOSA-M



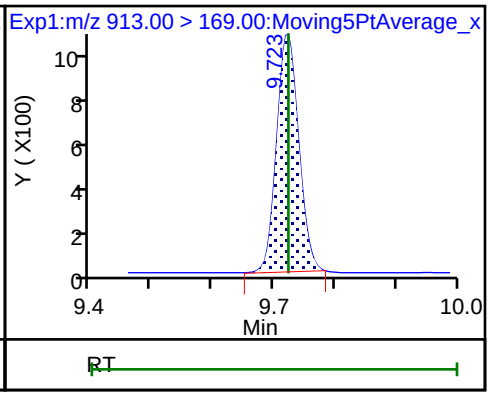
79 N-EtFOSA-M



80 Perfluorooctadecanoic acid



80 Perfluorooctadecanoic acid



FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: CCV 410-615077/12 Calibration Date: 03/10/2025 22:54

Instrument ID: 30570 Calib Start Date: 03/06/2025 19:13

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 03/06/2025 20:48

Lab File ID: 25MAR10N-15.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoropropionic acid (PFPrA)	AveID	1.079	1.039		4.82	5.00	-3.7	30.0
Perfluorobutanoic acid	AveID	0.9380	0.8940		1.91	2.00	-4.7	30.0
Perfluoro-3-methoxypropanoic acid	AveID	1.330	1.283		0.964	1.00	-3.6	30.0
3:3 FTCA	AveID	0.0690	0.0630		1.83	2.00	-8.7	30.0
Perfluoropentanoic acid	L2ID		1.248		1.01	1.00	1.2	30.0
Perfluoro(4-methoxybutanoic acid)	AveID	1.410	1.376		0.976	1.00	-2.4	30.0
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	AveID	1.814	1.828		1.88	1.87	0.8	30.0
Perfluoro-3,6-dioxaheptanoic acid	AveID	0.4349	0.3404		0.783	1.00	-21.7	30.0
Perfluorohexanoic acid	AveID	0.8207	0.7208		0.878	1.00	-12.2	30.0
5:3 FTCA	L2ID		0.0849		3.94	5.00	-21.2	30.0
Perfluorobutanesulfonic acid	AveID	0.8966	0.8318		0.824	0.888	-7.2	30.0
HFPO-DA	AveID	1.082	1.098		0.761	0.750	1.5	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	0.6023	0.5237		0.870	1.00	-13.0	30.0
PFEESA	AveID	1.999	1.901		0.849	0.892	-4.9	30.0
Perfluoroheptanoic acid	AveID	0.7302	0.6843		0.937	1.00	-6.3	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	2.458	2.607		1.00	0.946	6.1	30.0
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	AveID	1.765	1.713		1.84	1.90	-2.9	30.0
Perfluoropentanesulfonic acid	AveID	1.201	1.166		0.913	0.940	-2.9	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	1.861	1.730		0.910	0.979	-7.0	30.0
Perfluorooctanoic acid	L2ID		0.5536		0.935	1.00	-6.5	30.0
7:3 FTCA	AveID	0.0815	0.0810		4.97	5.00	-0.6	30.0
Perfluorohexanesulfonic acid	AveID	0.9012	0.8339		0.844	0.912	-7.5	30.0
Perfluorononanoic acid	AveID	0.8789	0.8899		1.01	1.00	1.3	30.0
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	AveID	1.550	1.533		1.89	1.92	-1.1	30.0
Perfluoro-4-ethylcyclohexane sulfonic acid (PFECHS)	AveID	0.3138	0.2962		0.872	0.924	-5.6	30.0
Perfluoroheptanesulfonic acid	AveID	1.297	1.306		0.961	0.954	0.7	30.0
NMeFOSAA	AveID	1.032	0.9764		0.946	1.00	-5.4	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	1.266	1.178		0.931	1.00	-6.9	30.0
Perfluorodecanoic acid	AveID	0.7286	0.5480		0.752	1.00	-24.8	30.0
NEtFOSAA	AveID	0.8473	0.8014		0.946	1.00	-5.4	30.0
Perfluorooctanesulfonic acid	AveID	1.460	1.401		0.892	0.930	-4.1	30.0
Perfluoroundecanoic acid	AveID	0.5380	0.4624		0.859	1.00	-14.1	30.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	AveID	1.508	1.460		0.905	0.934	-3.1	30.0
Perfluorononanesulfonic acid	AveID	1.123	1.243		1.07	0.962	10.7	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: CCV 410-615077/12 Calibration Date: 03/10/2025 22:54

Instrument ID: 30570 Calib Start Date: 03/06/2025 19:13

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 03/06/2025 20:48

Lab File ID: 25MAR10N-15.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorododecanoic acid	AveID	0.7711	0.6942		0.900	1.00	-10.0	30.0
Perfluorooctanesulfonamide	AveID	0.9435	0.9158		0.971	1.00	-2.9	30.0
Perfluorodecanesulfonic acid	AveID	1.413	1.518		1.04	0.964	7.4	30.0
Perfluorotridecanoic acid	AveID	1.034	0.9311		0.900	1.00	-10.0	30.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	AveID	1.377	1.325		0.909	0.944	-3.7	30.0
Perfluorotetradecanoic acid	AveID	0.1760	0.1680		0.955	1.00	-4.5	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	1.123	1.111		0.960	0.970	-1.1	30.0
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	AveID	2.450	2.379		4.85	5.00	-2.9	30.0
NMeFOSA	AveID	0.9285	0.8892		0.958	1.00	-4.2	30.0
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	AveID	3.269	3.249		4.97	5.00	-0.6	30.0
N-ethylperfluoro-1-octanesulfonamide	AveID	0.8831	0.8674		0.982	1.00	-1.8	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	1.225	0.8421		0.687	1.00	-31.3*	30.0
13C3 PFPrA	Ave	0.9027	0.8878		1.97	2.00	-1.7	30.0
13C4 PFBA	Ave	1.075	1.075		2.00	2.00	0.0	30.0
13C5 PFPeA	Ave	0.999	1.006		2.01	2.00	0.6	30.0
M2-4:2 FTS	Ave	0.2565	0.2166		3.96	4.69	-15.6	30.0
13C5 PFHxA	Ave	1.344	1.381		2.05	2.00	2.7	30.0
13C3 PFBS	Ave	1.254	1.123		1.67	1.86	-10.5	30.0
13C3 HFPO-DA	Ave	1.218	1.180		1.94	2.00	-3.2	30.0
13C4 PFHpA	Ave	1.274	1.287		2.02	2.00	1.1	30.0
M2-6:2 FTS	Ave	0.2144	0.1784		3.96	4.76	-16.8	30.0
13C8 PFOA	Ave	0.9920	0.9757		1.97	2.00	-1.6	30.0
13C3 PFHxS	Ave	0.9677	0.8426		1.65	1.90	-12.9	30.0
13C9 PFNA	Ave	0.9797	0.9905		2.02	2.00	1.1	30.0
M2-8:2 FTS	Ave	0.1805	0.1575		4.19	4.80	-12.7	30.0
d3-NMeFOSAA	Ave	0.6400	0.6551		5.12	5.00	2.4	30.0
13C6 PFDA	Ave	1.021	0.9516		1.86	2.00	-6.8	30.0
d5-NEtFOSAA	Ave	0.5408	0.5446		5.03	5.00	0.7	30.0
13C8 PFOS	Ave	1.001	0.9591		1.84	1.92	-4.2	30.0
13C7 PFUnA	Ave	1.063	1.064		2.00	2.00	0.0	30.0
13C2 PFDoA	Ave	0.9152	0.9335		2.04	2.00	2.0	30.0
13C8 FOSA	Ave	1.071	1.027		1.92	2.00	-4.2	30.0
13C2 PFTeDA	Ave	0.6497	0.6725		2.07	2.00	3.5	30.0
d7-N-MeFOSE-M	Ave	0.1538	0.1321		4.29	5.00	-14.1	30.0
d3-NMePFOSA	Ave	0.3527	0.3488		1.98	2.00	-1.1	30.0
d9-N-EtFOSE-M	Ave	0.1933	0.1633		4.22	5.00	-15.5	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: CCV 410-615077/12 Calibration Date: 03/10/2025 22:54

Instrument ID: 30570 Calib Start Date: 03/06/2025 19:13

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 03/06/2025 20:48

Lab File ID: 25MAR10N-15.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d5-NEtPFOSA	Ave	0.4832	0.4565		1.89	2.00	-5.5	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30570\20250310-140389.b\25MAR10N-15.d
Lims ID: CCV 3_CAL 4
Client ID:
Sample Type: CCV
Inject. Date: 10-Mar-2025 22:54:25 ALS Bottle#: 5 Worklist Smp#: 12
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: CCV 3_CAL 4
Misc. Info.: Plate: 1 Rack: 1 410-0140389-012
Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570
Sublist: chrom-30570-1633-125ml*sub2

Method: \\chromfs\Lancaster\ChromData\30570\20250310-140389.b\30570-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 11-Mar-2025 14:36:19 Calib Date: 06-Mar-2025 20:48:33
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\25MAR06CAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1699

First Level Reviewer: LDU5 Date: 11-Mar-2025 14:35:06
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C3PFPrA										
166.00 > 121.00	2.002	2.003	-0.001	0.484	1826555	1.97		98.3	593	
2 Perfluoropropionic acid										
163.00 > 119.00	2.019	2.036	-0.017	1.008	4745331	4.82		96.3	438	
5 PFBA										
212.80 > 168.90	4.133	4.141	-0.008	1.000	1977246	1.91		95.3	10661	
D 3 13C4-PFBA										
216.80 > 171.90	4.133	4.141	-0.008	1.000	2211596	2.00		100	88327	
* 4 13C3PFBA										
216.00 > 172.00	4.133	4.141	-0.008		2057452	2.00			3074	
6 PFMPA										
229.00 > 84.90	4.438	4.447	-0.009	0.931	1038736	0.9644		96.4	38945	
7 3:3 FTCA										
241.00 > 177.00	4.447	4.457	-0.010	0.933	101981	1.83	Target=1.52	91.3	7678	
241.00 > 117.00	4.447	4.457	-0.010	0.933	68872		1.48(0.76-2.29)		3903	
D 8 13C5 PFPeA										
268.30 > 223.00	4.768	4.783	-0.015	0.909	1619802	2.01		101	104830	
9 PFPA										
263.00 > 219.00	4.775	4.783	-0.008	1.002	1010868	1.01		101	32879	
10 PFMBA										
279.00 > 85.10	4.934	4.944	-0.010	1.035	1114616	0.9758		97.6	79853	
11 4:2FTS										
327.10 > 307.00	5.056	5.075	-0.019	1.000	544542	1.88	Target=1.56	101	40339	
327.10 > 80.90	5.065	5.075	-0.010	1.002	334561		1.63(0.78-2.34)		8219	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.056	5.075	-0.019	0.799	747776	3.96		84.4	41790	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.204	5.224	-0.020	0.992	378447	0.7826	Target=1.56	78.3	20102	
295.00 > 84.90	5.204	5.224	-0.020	0.992	255069		1.48(0.78-2.34)		18051	
* 16 13C2 PFHxA										
315.10 > 270.00	5.244	5.255	-0.011		4025835	5.00			165598	
D 15 13C5 PFHxA										
318.00 > 273.00	5.244	5.255	-0.011	1.000	2223734	2.05		103	113919	
17 PFHxA										
313.00 > 269.00	5.255	5.266	-0.011	1.002	801388	0.8782	Target=11.59	87.8	32800	
313.00 > 118.90	5.244	5.266	-0.022	1.000	78381		10.22(5.80-17.39)		5273	
18 5:3 FTCA										
341.00 > 237.10	5.330	5.348	-0.018	1.016	471823	3.94	Target=0.73	78.8	24484	
341.00 > 217.00	5.330	5.348	-0.018	1.016	705702		0.67(0.36-1.09)		37115	
D 20 13C3 PFBS										
302.10 > 79.90	5.394	5.401	-0.007	0.852	1540691	1.67		89.5	112057	
19 PFBS										
298.70 > 79.90	5.394	5.411	-0.017	1.000	610527	0.8239	Target=2.92	92.8	44413	
298.70 > 98.80	5.394	5.411	-0.017	1.000	216200		2.82(1.46-4.37)		15568	
21 HFPO-DA										
284.90 > 168.90	5.441	5.448	-0.007	1.000	782209	0.7610	Target=2.57	101	27262	
284.90 > 184.90	5.441	5.448	-0.007	1.000	303434		2.58(1.28-3.85)		15970	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.441	5.448	-0.007	1.037	1899582	1.94		96.8	99723	
23 FBSA										
297.90 > 78.00	5.452	5.481	-0.029	1.011	432904	0.8695		87.0	20957	
26 PFEESA										
314.80 > 134.90	5.639	5.658	-0.019	1.075	1885701	0.8485	Target=12.48	95.1	95313	
314.80 > 82.90	5.639	5.658	-0.019	1.075	150946		12.49(6.24-18.71)		10088	
28 PFHpA										
363.10 > 319.00	5.681	5.700	-0.019	1.000	709358	0.9372	Target=1.91	93.7	20492	
363.10 > 169.00	5.681	5.700	-0.019	1.000	389358		1.82(0.96-2.87)		19684	
D 27 13C4 PFHpA										
367.10 > 322.00	5.681	5.700	-0.019	1.083	2073107	2.02		101	104818	
29 ADONA										
376.90 > 250.90	5.845	5.860	-0.015	1.074	2342595	1.00	Target=2.10	106	126399	
376.90 > 84.80	5.845	5.860	-0.015	1.074	1169305		2.00(1.05-3.14)		84443	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.882	5.900	-0.018	0.929	625063	3.96		83.2	44700	
30 PFPeS										
349.10 > 79.90	5.882	5.900	-0.018	0.929	679943	0.9125	Target=3.36	97.1	36549	
349.10 > 98.90	5.882	5.900	-0.018	0.929	199975		3.40(1.68-5.04)		14457	
31 6:2FTS										
427.10 > 407.00	5.882	5.900	-0.018	1.000	426604	1.84	Target=1.65	97.1	30481	
427.10 > 80.90	5.882	5.900	-0.018	1.000	287334		1.48(0.83-2.48)		20887	
33 BTS										
280.00 > 147.00	6.051	6.075	-0.024	0.956	1050838	0.9104		93.0	79918	
D 34 13C8 PFOA										
421.10 > 376.00	6.093	6.118	-0.025	0.999	2315021	1.97		98.4	104810	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 35 13C4 PFOA										
417.10 > 372.00	6.102	6.118	-0.016		5931776	5.00			9365	
36 PFOA										
413.00 > 369.00	6.093	6.127	-0.034	1.000	640829	0.9355	Target=1.59	93.5	1272	
413.00 > 169.00	6.093	6.127	-0.034	1.000	424010		1.51(0.79-2.38)		791	
37 7:3 FTCA										
441.00 > 316.90	6.181	6.214	-0.033	1.179	450229	4.97	Target=0.64	99.4	25588	
441.00 > 336.90	6.181	6.214	-0.033	1.179	626338		0.72(0.32-0.96)		33388	
* 38 18O2 PFHxS										
403.00 > 83.90	6.330	6.356	-0.026		1392834	1.89			76228	
40 PFHxS										
398.70 > 79.90	6.330	6.356	-0.026	1.000	471722	0.8439	Target=3.42	92.5	681	
398.70 > 98.90	6.330	6.356	-0.026	1.000	138005		3.42(1.71-5.12)		424	
D 39 13C3 PFHxS										
402.10 > 79.90	6.330	6.356	-0.026	1.000	1176073	1.65		87.1	84703	
D 42 13C9 PFNA										
472.10 > 427.00	6.508	6.535	-0.027	1.000	2112654	2.02		101	88118	
* 41 13C5 PFNA										
468.00 > 423.00	6.508	6.535	-0.027		2132855	2.00			112496	
43 PFNA										
463.00 > 419.00	6.517	6.535	-0.018	1.001	940023	1.01	Target=2.53	101	816	
463.00 > 219.00	6.508	6.535	-0.027	1.000	373768		2.51(1.26-3.79)		718	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.686	6.712	-0.026	1.056	556653	4.19		87.3	40119	
44 8:2FTS										
527.10 > 507.00	6.686	6.712	-0.026	1.000	340552	1.89	Target=1.68	98.9	24625	
527.10 > 80.80	6.686	6.712	-0.026	1.000	198251		1.72(0.84-2.52)		14361	
46 PFECHS										
461.00 > 381.00	6.722	6.759	-0.037	1.062	169783	0.8722	Target=0.26	94.4	11597	
461.00 > 99.00	6.732	6.759	-0.027	1.064	581803		0.29(0.13-0.39)		38630	
47 PFHpS										
449.00 > 79.90	6.760	6.796	-0.036	0.941	579006	0.9605	Target=3.85	101	40244	
449.00 > 98.80	6.760	6.796	-0.036	0.941	161841		3.58(1.92-5.77)		11412	
D 48 d3-NMeFOSAA										
573.20 > 419.00	6.843	6.873	-0.029	0.953	1587016	5.12		102	66684	
49 NMeFOSAA										
570.10 > 419.00	6.852	6.891	-0.039	1.001	309919	0.9458	Target=1.84	94.6	527	
570.10 > 483.00	6.852	6.891	-0.039	1.001	178665		1.73(0.92-2.76)		594	
53 FHxSA										
397.90 > 78.00	6.863	6.900	-0.037	1.084	730974	0.9306		93.1	35660	
* 50 13C2 PFDA										
515.10 > 470.10	6.910	6.947	-0.037		1974574	2.00			102812	
D 51 13C6 PFDA										
519.10 > 474.10	6.910	6.947	-0.037	1.000	1879034	1.86		93.2	97655	
52 PFDA										
512.90 > 469.00	6.920	6.947	-0.027	1.001	514852	0.7521	Target=3.96	75.2	35827	
512.90 > 219.00	6.910	6.947	-0.037	1.000	167862		3.07(1.98-5.94)		11622	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.022	7.060	-0.038	0.978	1319207	5.03		101	67469	
55 NEtFOSAA										
584.20 > 419.10	7.032	7.087	-0.055	1.001	211450	0.9458	Target=1.53	94.6	708	
584.20 > 526.00	7.042	7.087	-0.045	1.003	148886		1.42(0.76-2.29)		460	
D 56 13C8 PFOS										
507.10 > 79.90	7.183	7.222	-0.039	1.000	890317	1.84		95.8	29992	
* 57 13C4 PFOS										
502.80 > 79.90	7.183	7.222	-0.039		926387	1.91			62705	
58 PFOS										
498.90 > 79.90	7.183	7.231	-0.048	1.000	605242	0.8921	Target=4.24	95.9	151306	
498.90 > 98.80	7.183	7.231	-0.048	1.000	148841		4.07(2.12-6.36)		478	
60 PFUnA										
563.10 > 519.00	7.325	7.360	-0.035	1.000	485692	0.8593	Target=3.85	85.9	20992	
563.10 > 269.10	7.325	7.360	-0.035	1.000	142392		3.41(1.92-5.77)		10082	
D 59 13C7 PFUnA										
570.00 > 525.10	7.325	7.360	-0.035	1.060	2100922	2.00		100	110209	
61 9ClFOS										
530.80 > 351.00	7.496	7.543	-0.047	1.378	1295612	0.9047	Target=3.07	96.9	100229	
532.80 > 353.00	7.503	7.543	-0.040	1.379	455847		2.84(1.53-4.60)		35182	
62 PFNS										
548.80 > 79.90	7.597	7.639	-0.042	1.058	555817	1.07	Target=3.59	111	39665	
548.80 > 98.80	7.597	7.639	-0.042	1.058	149258		3.72(1.79-5.38)		10708	
D 81 13C2 PFDoA										
615.10 > 570.00	7.736	7.777	-0.041	1.120	1843321	2.04		102	100040	
63 PFDoA										
613.10 > 569.00	7.736	7.785	-0.049		639848	0.9003	Target=4.53	90.0	46588	
613.10 > 319.00	7.736	7.785	-0.049		148286		4.31(2.27-6.80)		10749	
D 65 13C8 FOSA										
506.10 > 77.80	7.933	7.941	-0.008	1.104	994724	1.92		95.8	54362	
64 PFOSA										
498.10 > 77.90	7.933	7.949	-0.016	1.000	455477	0.9706	Target=45.11	97.1	2089	
498.10 > 478.00	7.941	7.949	-0.008	1.001	10167		44.80(22.56-67.67)		44.6	
66 PFDS										
599.00 > 79.90	8.004	8.049	-0.045	1.114	679792	1.04	Target=3.86	107	52152	
599.00 > 98.80	8.004	8.049	-0.045	1.114	168818		4.03(1.93-5.78)		12870	
67 PFTrDA										
663.00 > 619.00	8.144	8.195	-0.051	0.953	738197	0.9004	Target=4.57	90.0	43069	
663.00 > 168.90	8.144	8.195	-0.051	0.953	170743		4.32(2.28-6.85)		10103	
68 11ClFOS										
630.90 > 450.90	8.324	8.382	-0.058	1.530	1188163	0.9086	Target=2.96	96.3	94514	
632.90 > 452.90	8.324	8.382	-0.058	1.530	424474		2.80(1.48-4.43)		34431	
70 PFTeDA										
713.10 > 168.90	8.554	8.602	-0.048	1.001	111556	0.9546	Target=0.89	95.5	6453	
713.10 > 219.00	8.554	8.602	-0.048	1.001	134547		0.83(0.44-1.33)		7762	
D 69 13C2 PFTeDA										
715.20 > 670.00	8.543	8.602	-0.059	1.236	1327983	2.07		104	76032	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.795	8.781	0.014	1.224	320084	4.29		85.9	8281	
73 N-MeFOSE-M										
616.10 > 58.90	8.824	8.809	0.015	1.003	761466	4.85		97.1	2008	
71 PFDoS										
699.10 > 79.90	8.766	8.823	-0.057	1.220	500754	0.9596	Target=4.18	98.9	26603	
699.10 > 98.80	8.766	8.823	-0.057	1.220	122971		4.07(2.09-6.27)		6493	
D 74 d3-NMePFOSA										
515.00 > 219.00	8.919	8.905	0.014	1.242	337955	1.98		98.9	18665	
75 NMeFOSA										
511.90 > 219.00	8.919	8.919	0.0	1.000	150260	0.9578	Target=0.67	95.8	1016	
511.90 > 169.00	8.919	8.919	0.0	1.000	235848		0.64(0.33-1.00)		1102	
D 76 d9-N-EtFOSE										
639.20 > 58.90	9.038	9.025	0.013	1.258	395617	4.22		84.5	9759	
77 N-EtFOSE-M										
630.00 > 58.90	9.051	9.051	0.0	1.001	1285250	4.97		99.4	350975	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.124	9.123	0.001	1.270	442349	1.89		94.5	20749	
79 N-EtFOSA-M										
526.00 > 219.00	9.147	9.135	0.012	1.003	191836	0.9821	Target=0.82	98.2	1750	
526.00 > 169.00	9.147	9.135	0.012	1.003	226614		0.85(0.41-1.24)		1628	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.574	9.723	-0.149	1.121	559131	0.6872	Target=14.67	68.7	31010	
913.00 > 169.00	9.574	9.723	-0.149	1.121	41796		13.38(7.34-22.01)		3843	

QC Flag Legend

Processing Flags

Reagents:

1633_125_CAL4_00033 Amount Added: 1.00 Units: mL

Report Date: 11-Mar-2025 14:36:20 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30570\20250310-140389.b\25MAR10N-15.d

Injection Date: 10-Mar-2025 22:54:25 Instrument ID: 30570

Lims ID: CCV 3_CAL 4

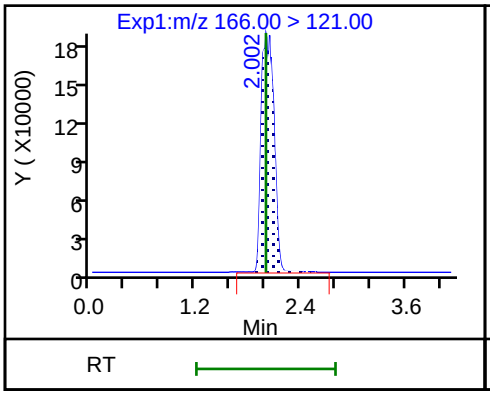
Client ID:

Operator ID: ETUS023_USR_INS00003 ALS Bottle#: 5 Worklist Smp#: 12

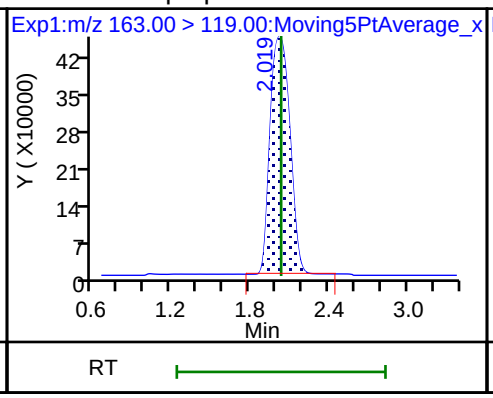
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 30570-1633-125ml Limit Group: LC - 1633 LVI- ICAL

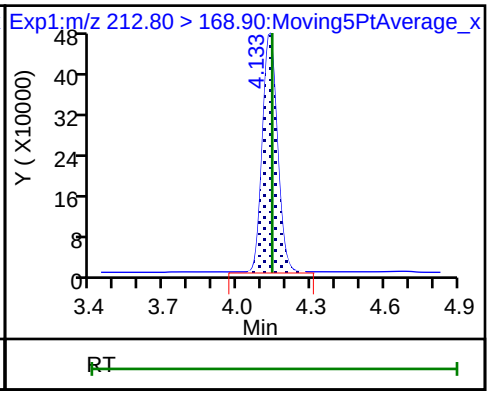
D 1 13C3PFPrA



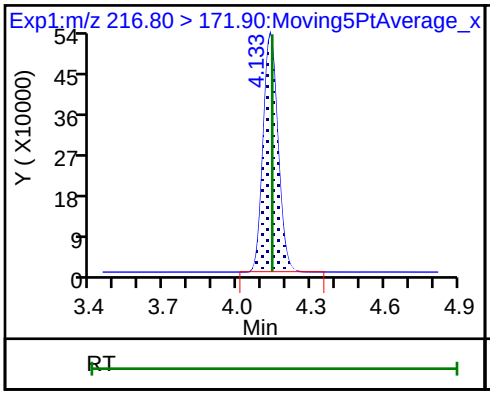
2 Perfluoropropionic acid



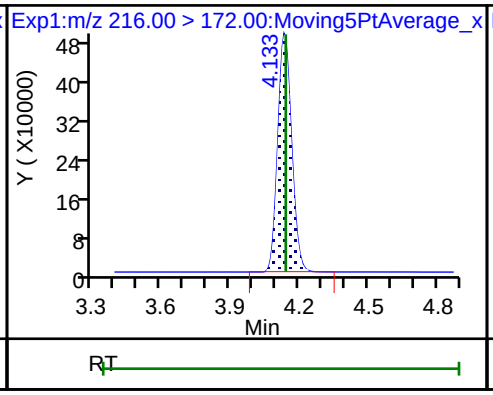
5 PFBA



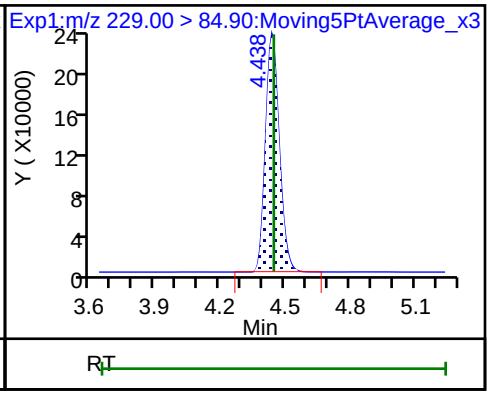
D 3 13C4-PFBA



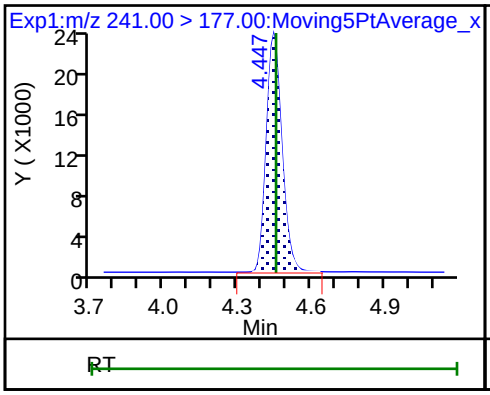
* 4 13C3PFBA



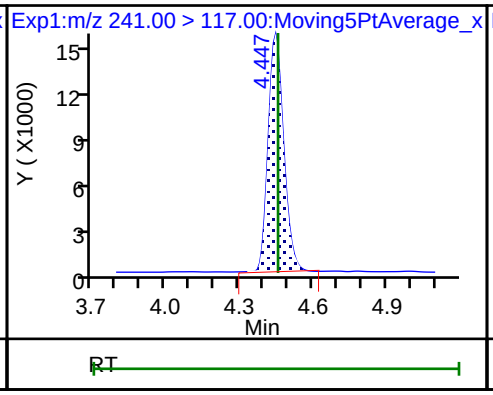
6 PFMPA



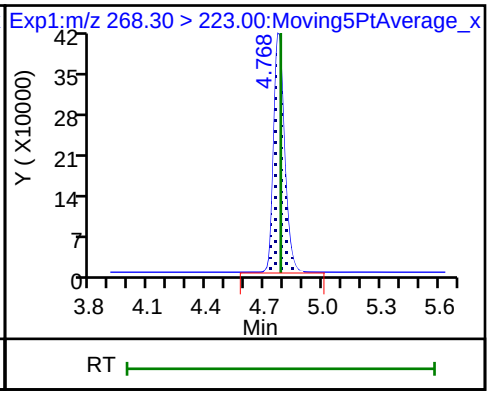
7 3:3 FTCA



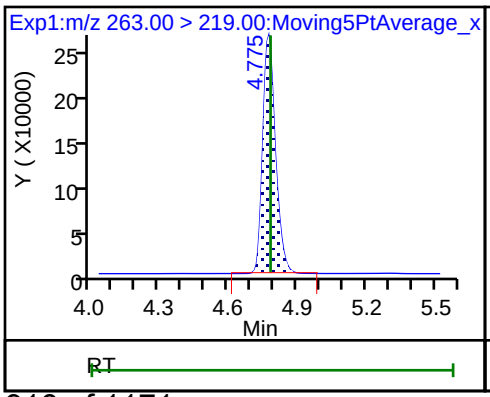
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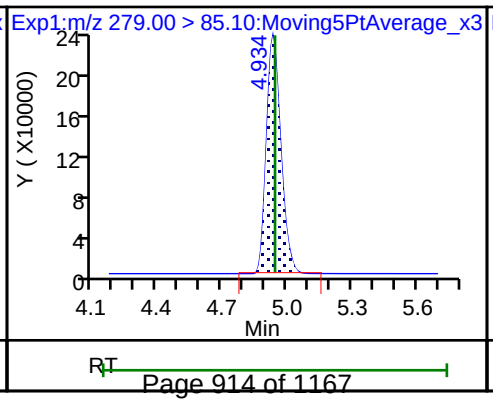
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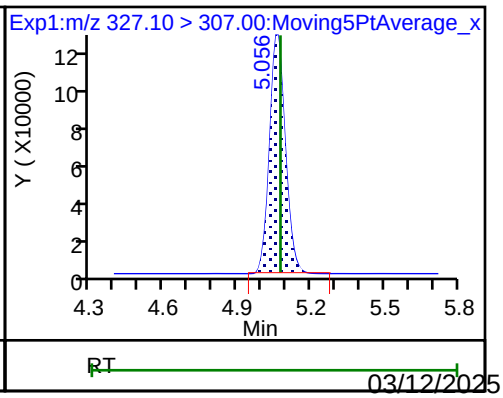
9 PFPA



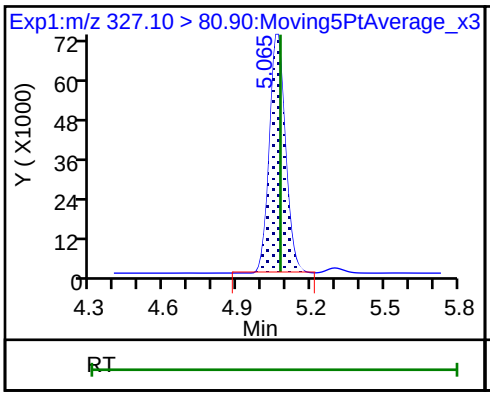
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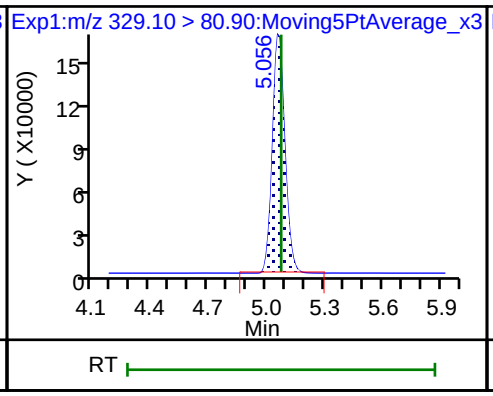
11 4:2FTS



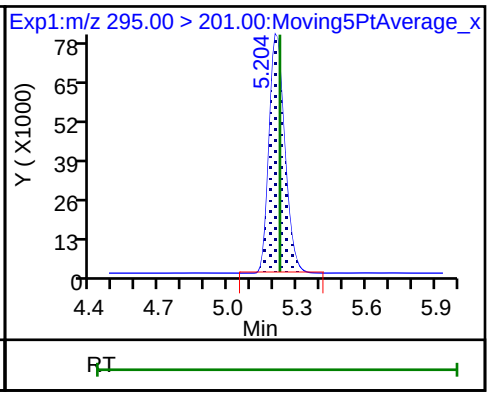
11 4:2FTS



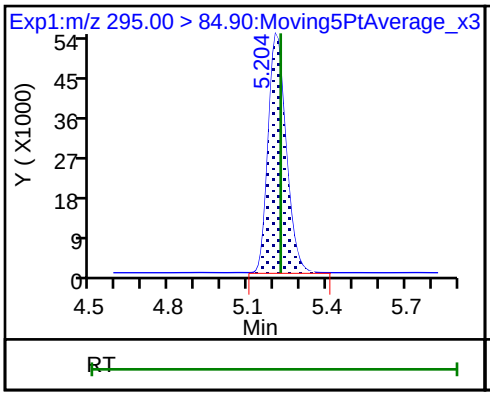
D 13 13C2-4:2FTS



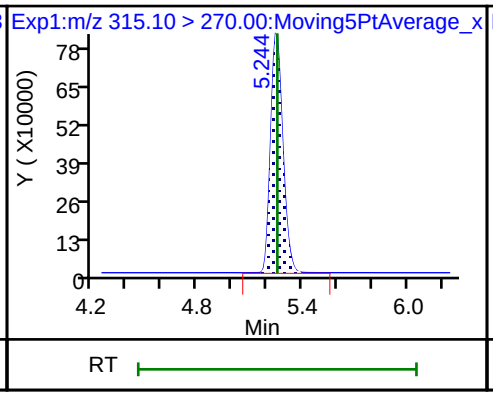
14 NFDHA



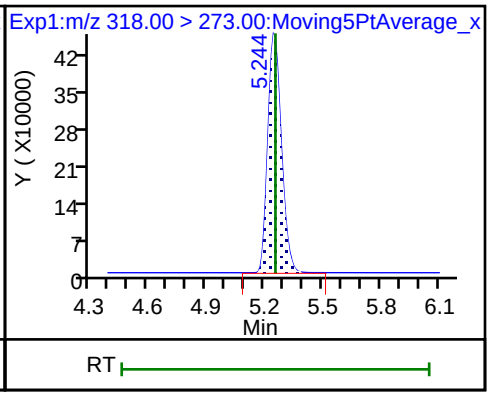
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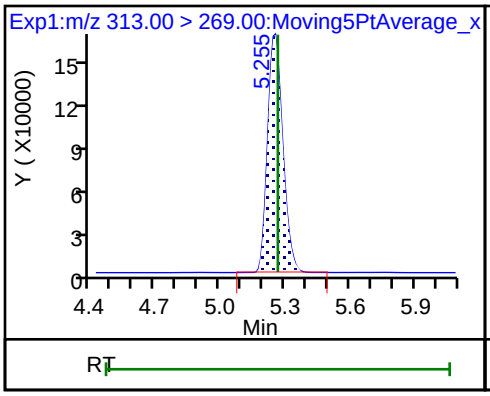
* 16 13C2 PFHxA



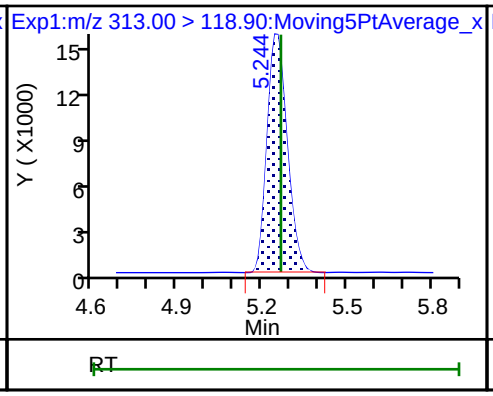
D 15 13C5 PFHxA



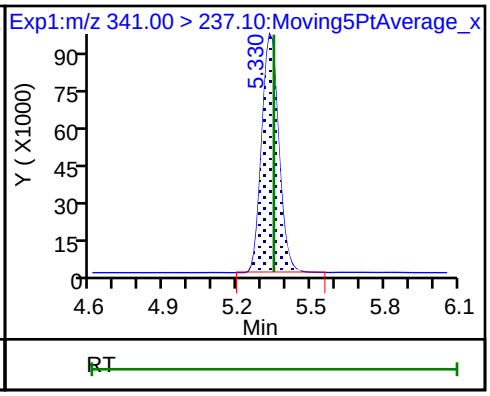
17 PFHxA



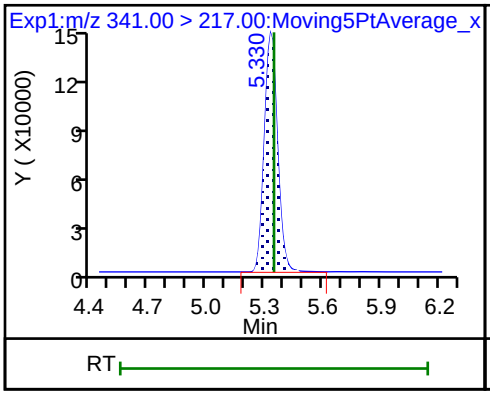
17 PFHxA



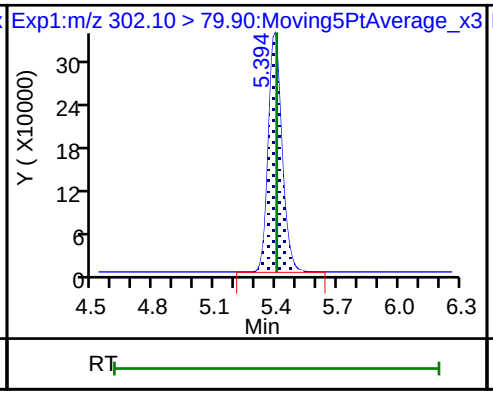
18 5:3 FTCA



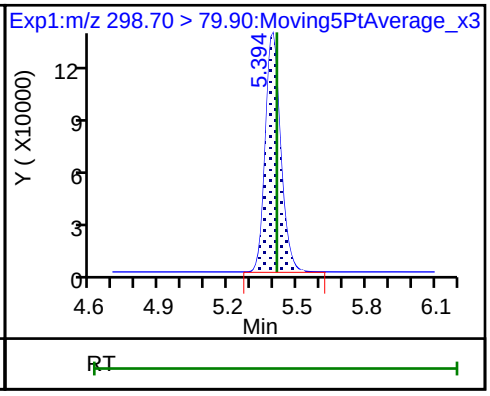
18 5:3 FTCA



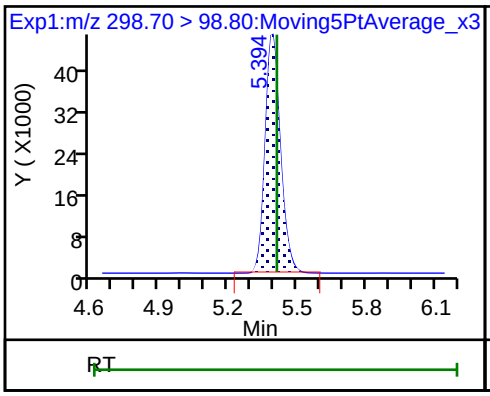
D 20 13C3 PFBS



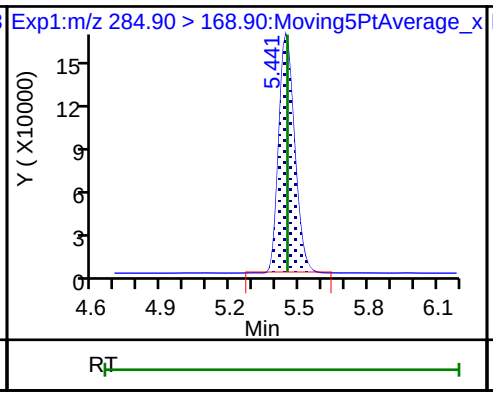
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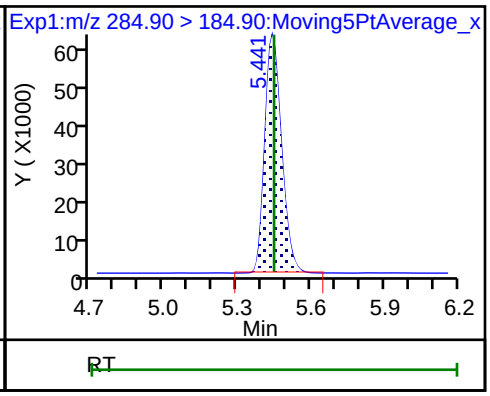
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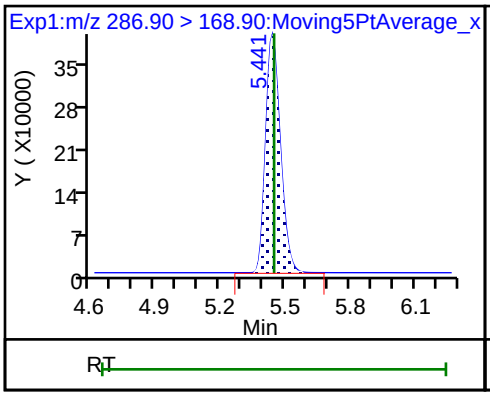
21 HFPO-DA



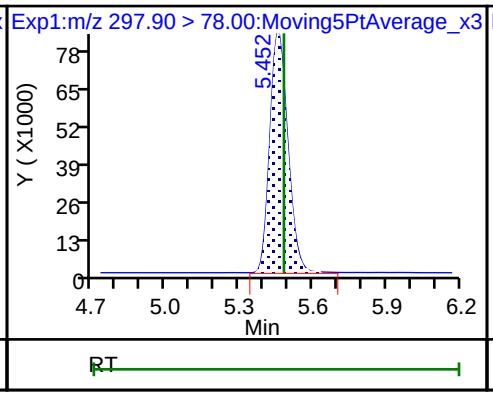
21 HFPO-DA



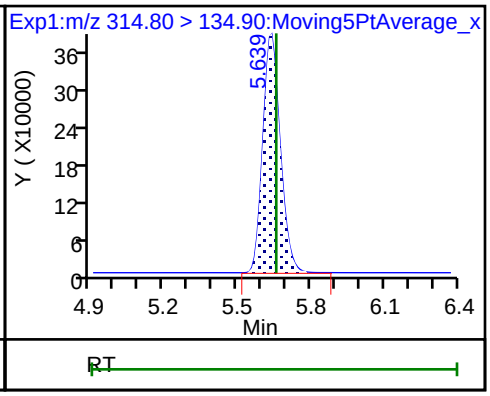
D 22 13C3 HFPO-DA



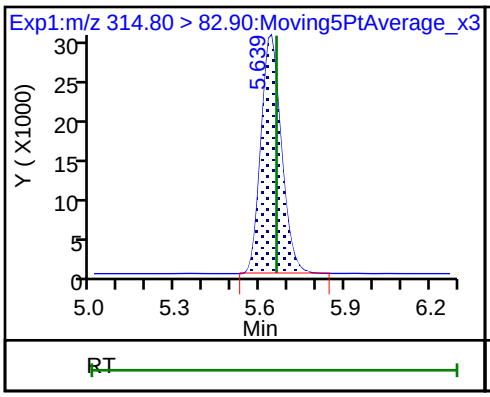
23 FBSA



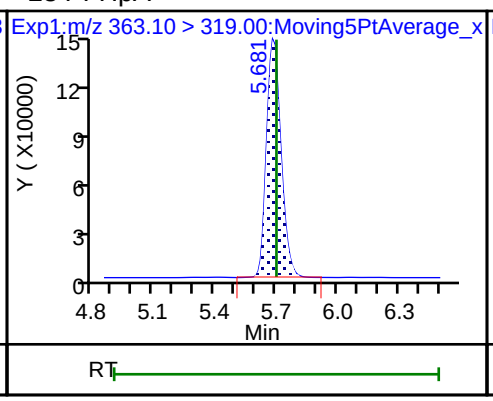
26 PFEESA



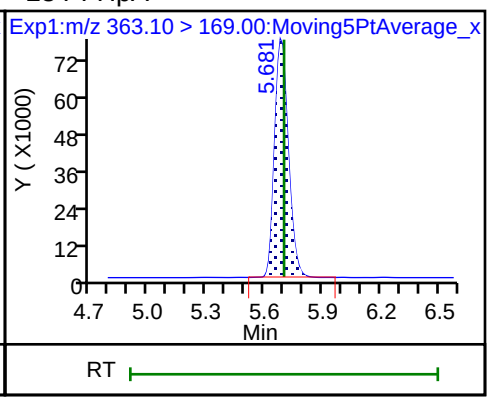
26 PFEESA



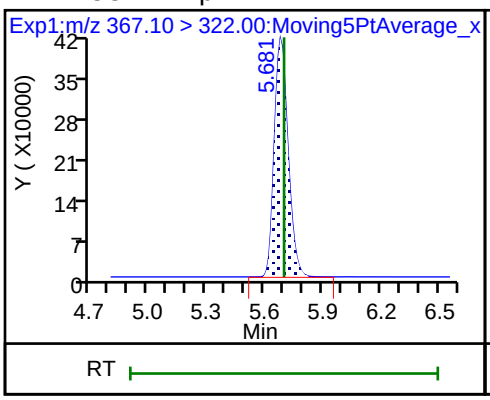
28 PFHpA



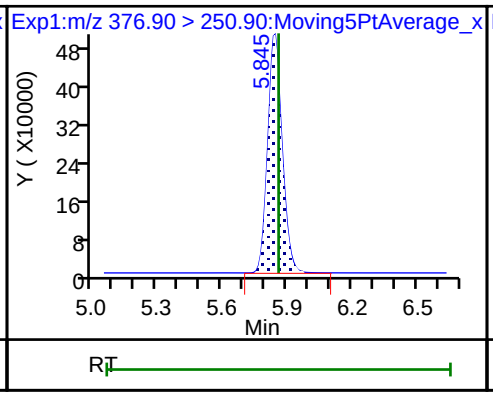
28 PFHpA



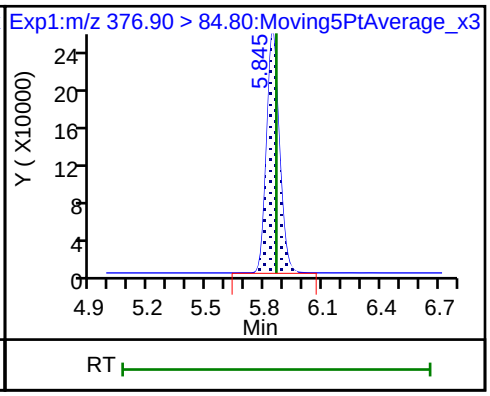
D 27 13C4 PFHpA



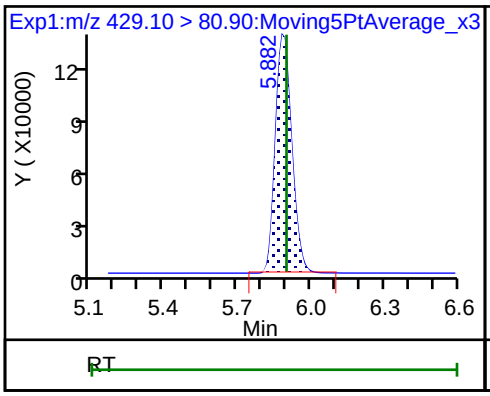
29 ADONA



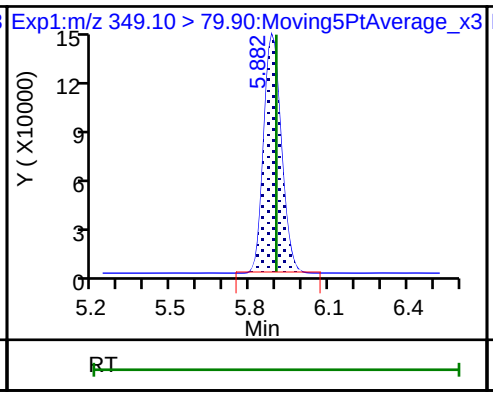
29 ADONA



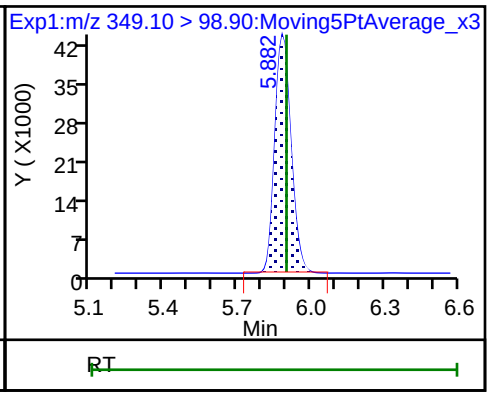
D 32 13C2-6:2FTS



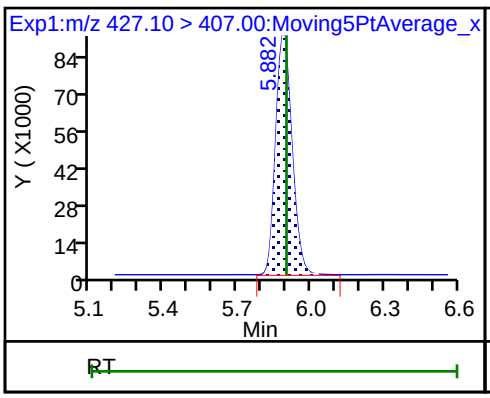
30 PFPeS



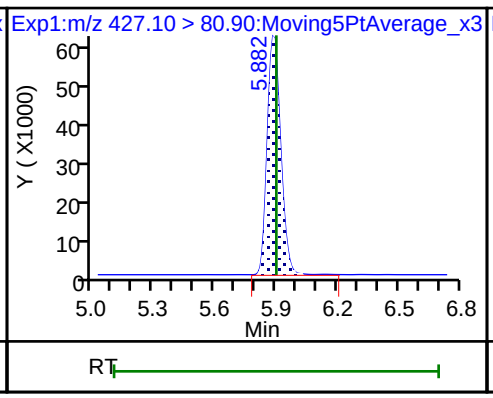
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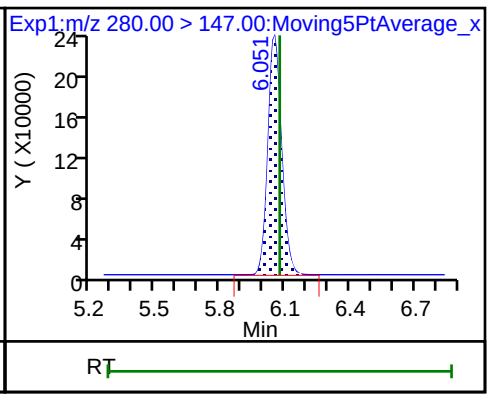
31 6:2FTS



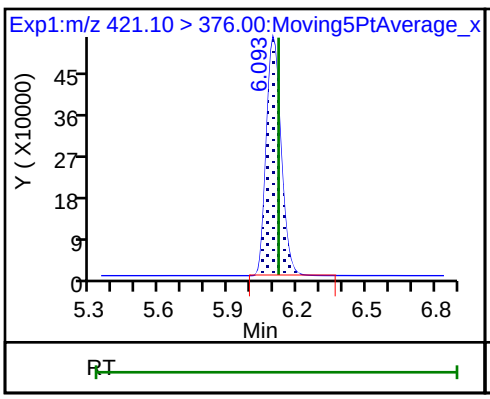
31 6:2FTS



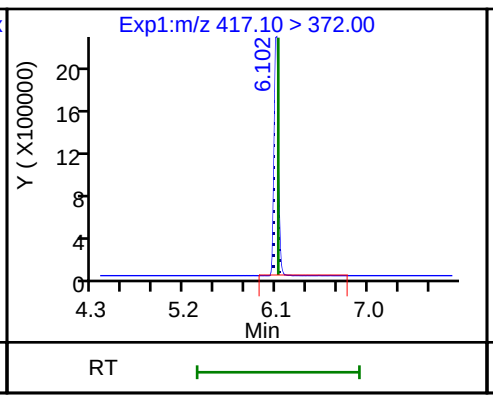
33 BTS



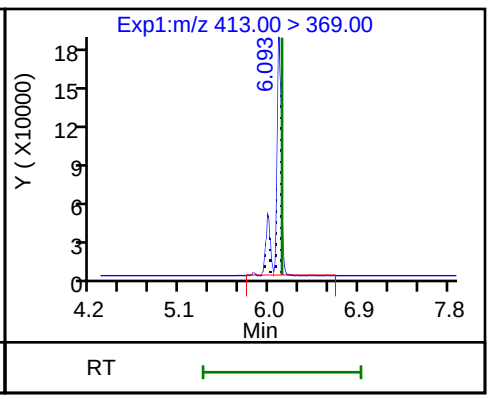
D 34 13C8 PFOA



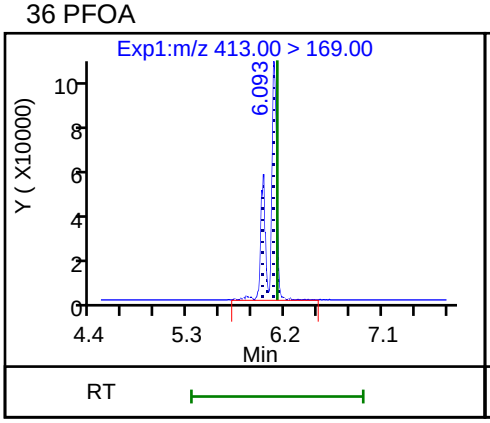
* 35 13C4 PFOA



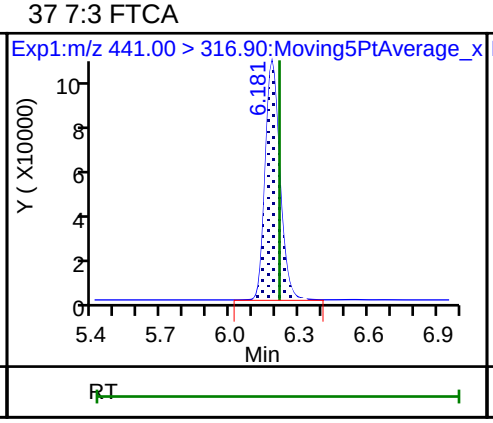
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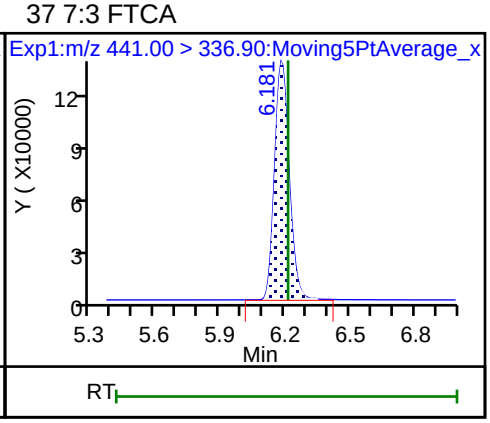
36 PFOA



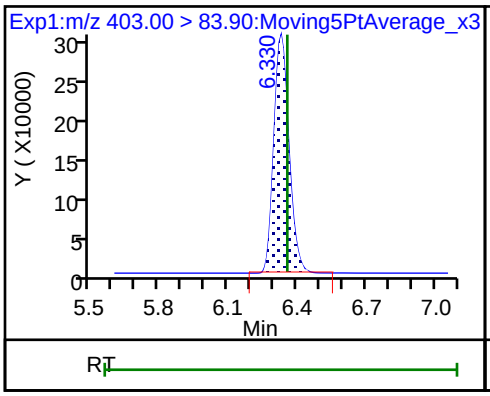
37 7:3 FTCA



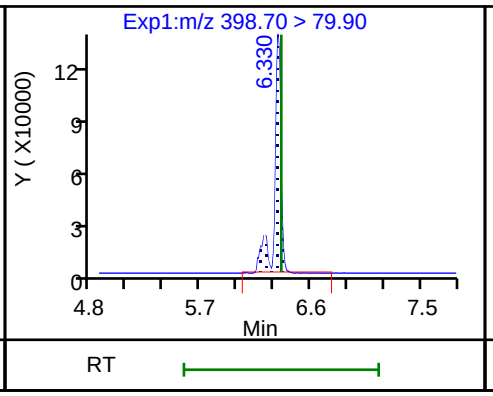
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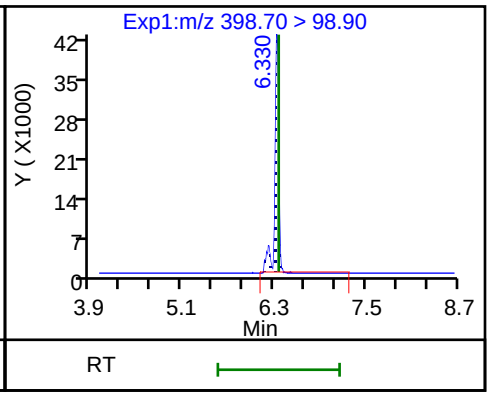
* 38 18O2 PFHxS



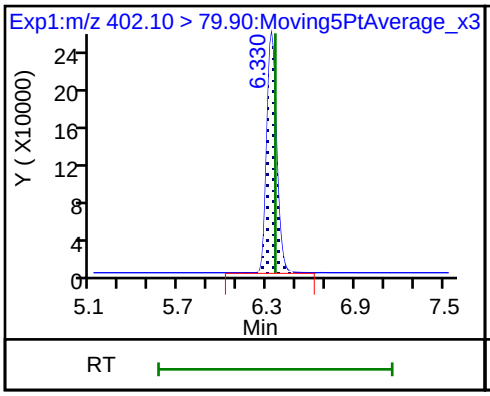
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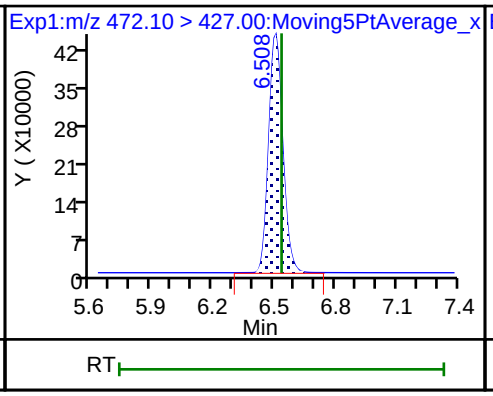
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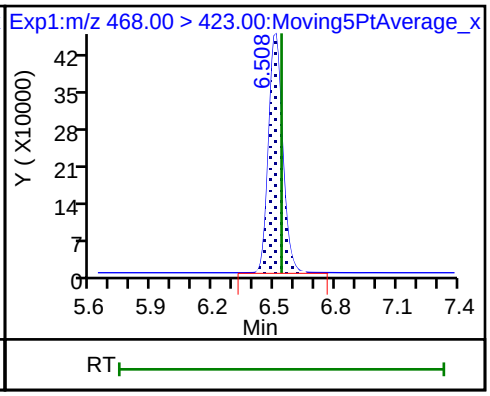
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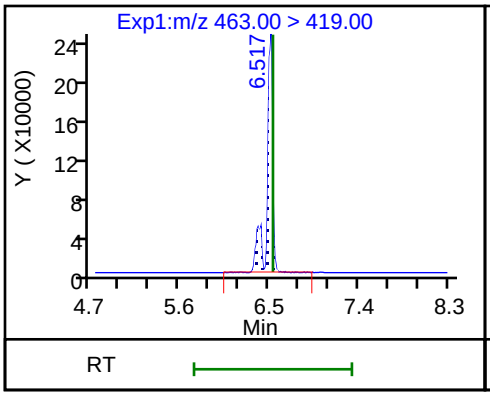
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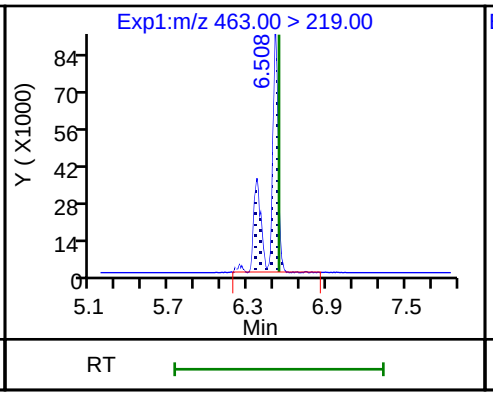
* 41 13C5 PFNA



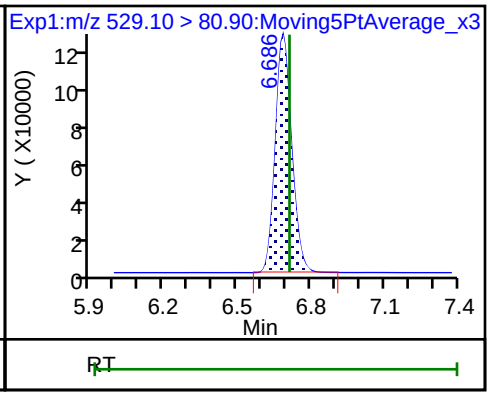
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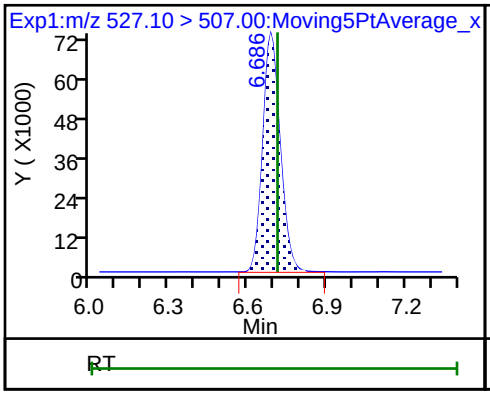
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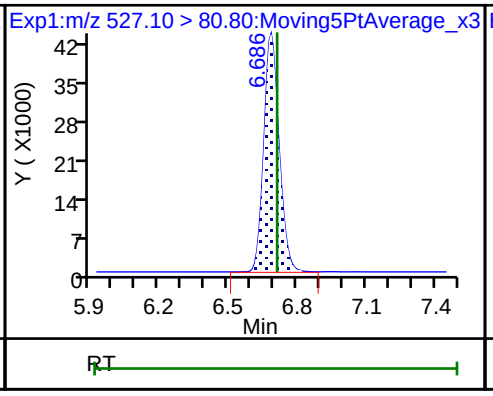
D 45 13C2-8:2FTS



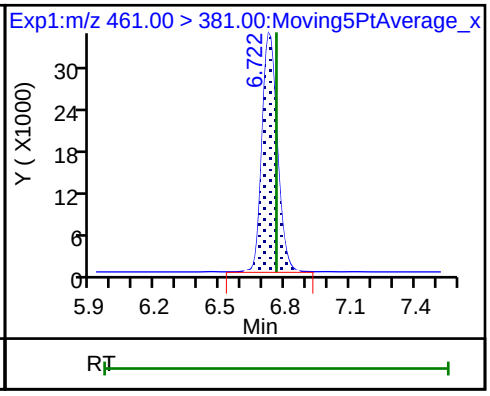
44 8:2FTS



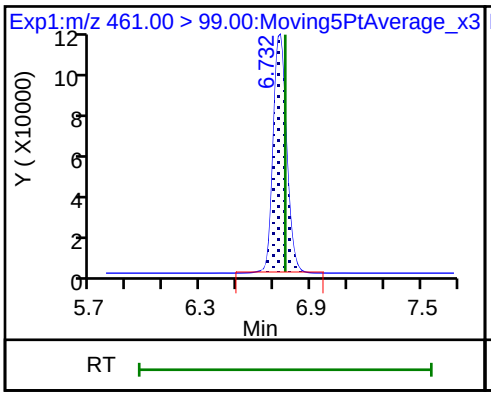
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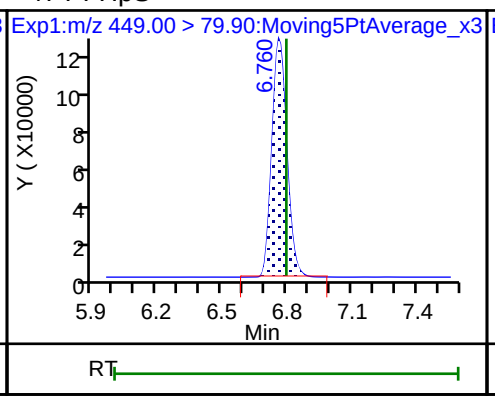
46 PFECHS



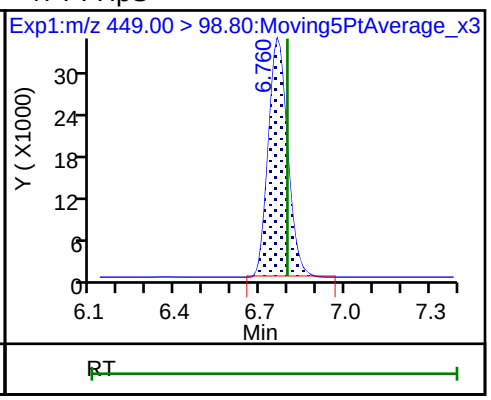
46 PFECHS



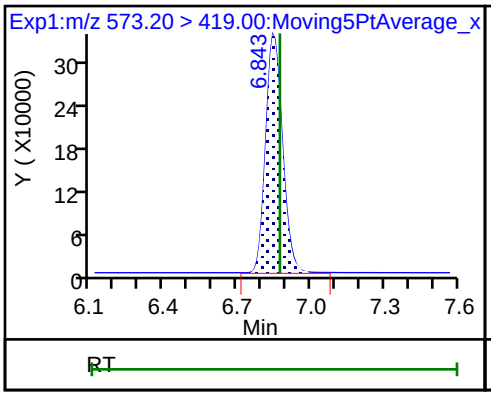
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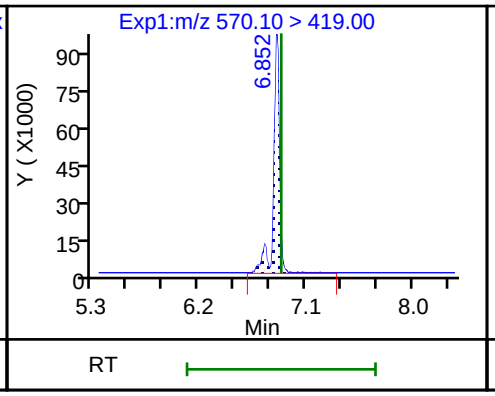
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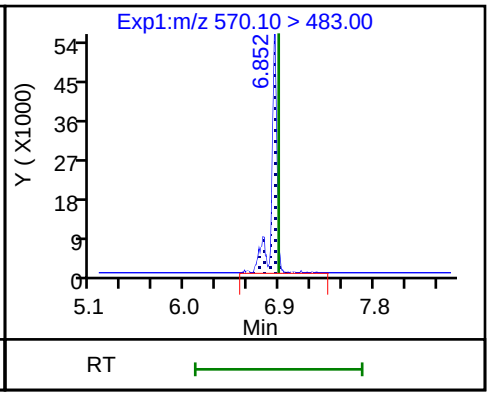
D 48 d3-NMeFOSAA



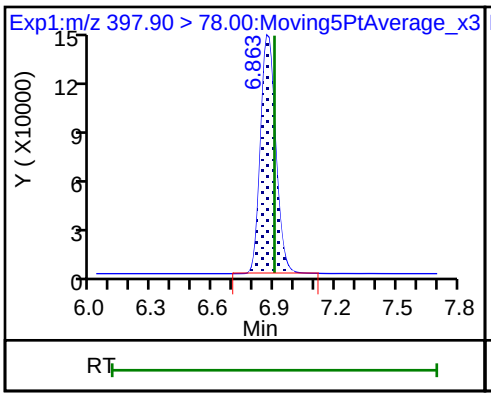
49 NMeFOSAA



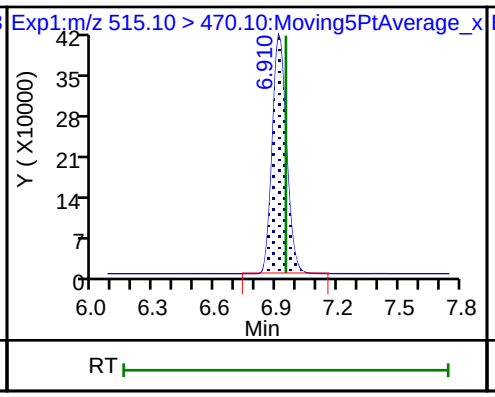
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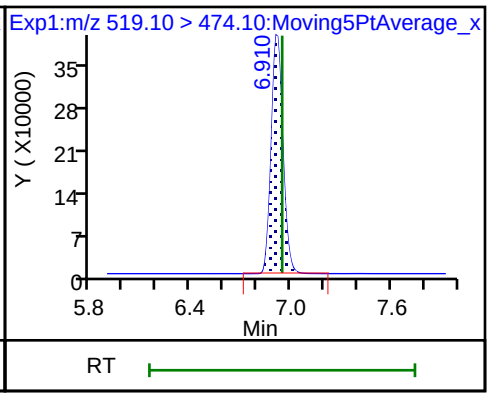
53 FHxSA



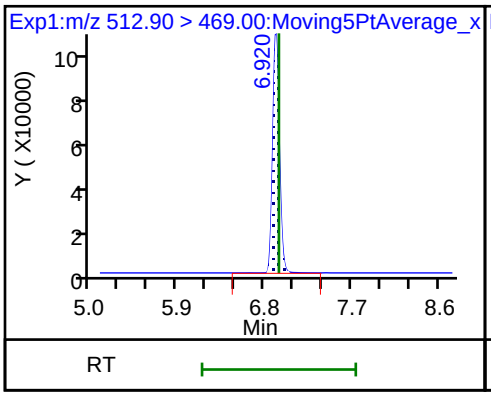
* 50 13C2 PFDA



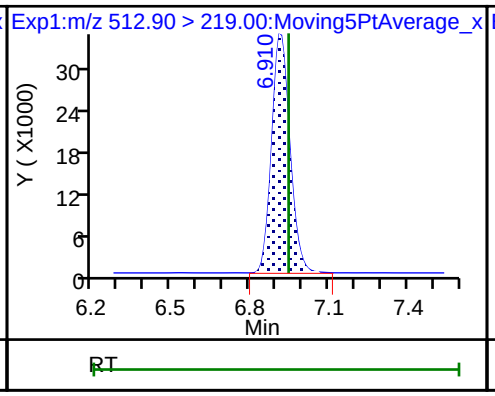
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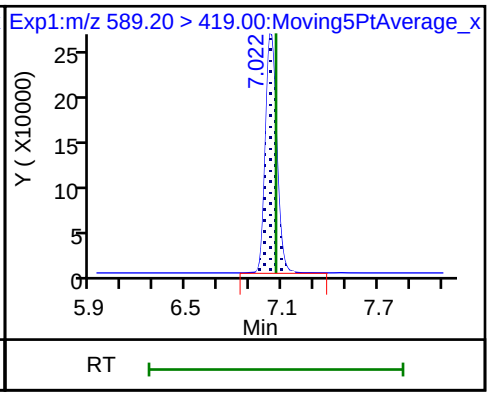
52 PFDA



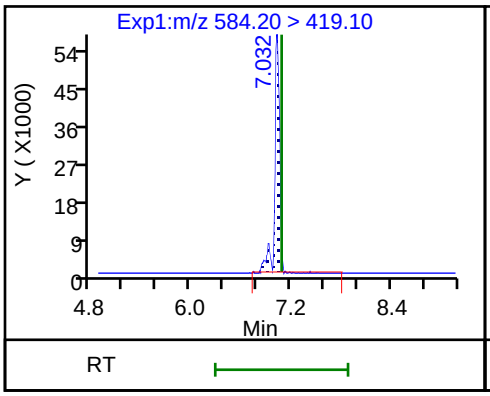
52 PFDA



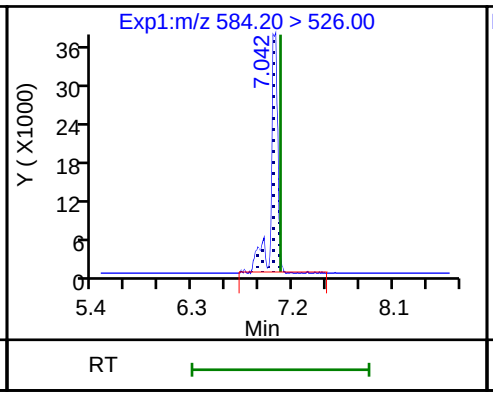
D 54 d5-NEtFOSAA



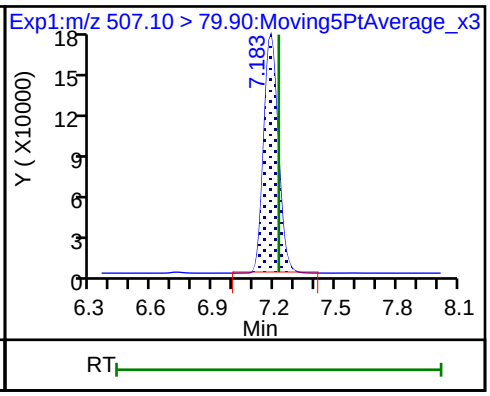
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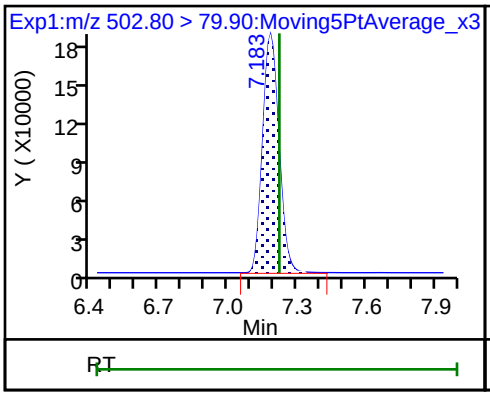
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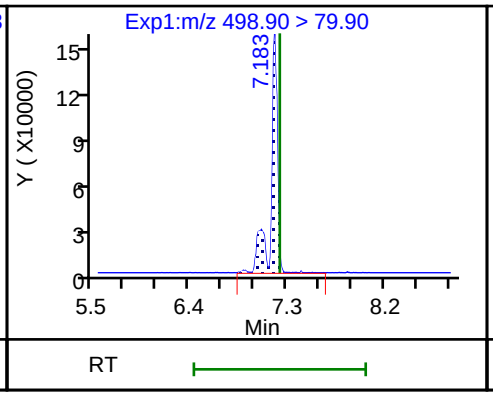
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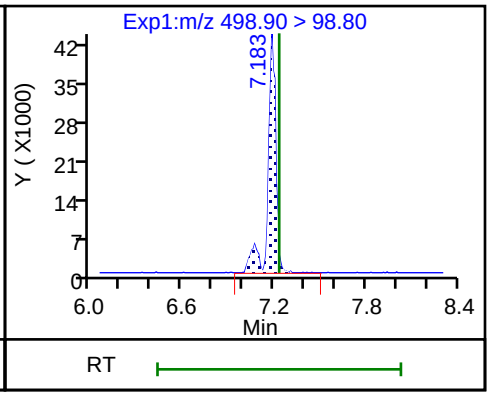
* 57 13C4 PFOS



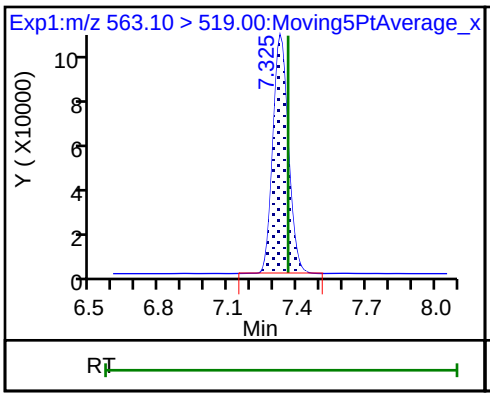
58 PFOS



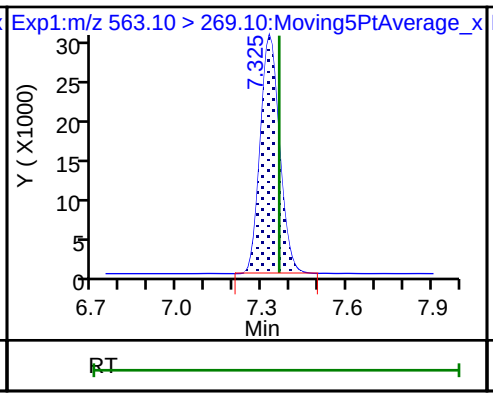
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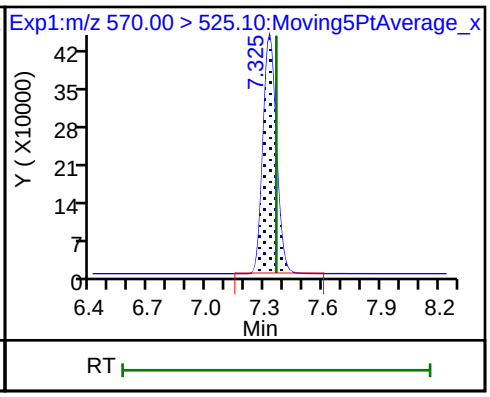
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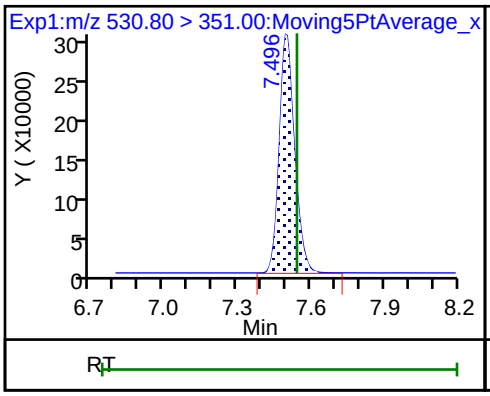
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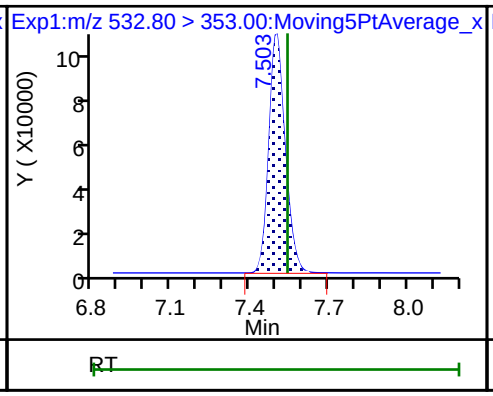
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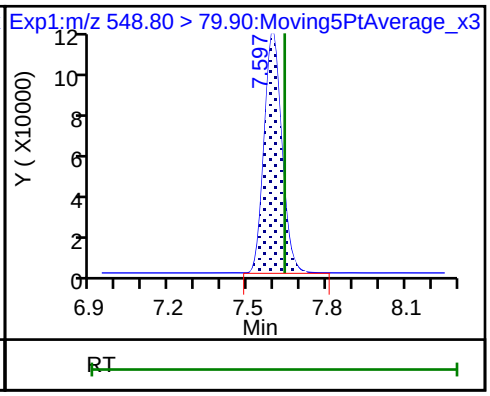
61 9ClFOS



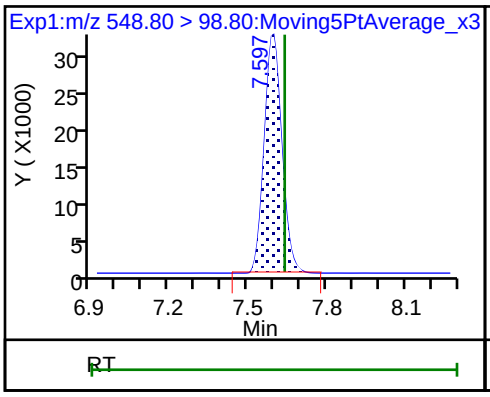
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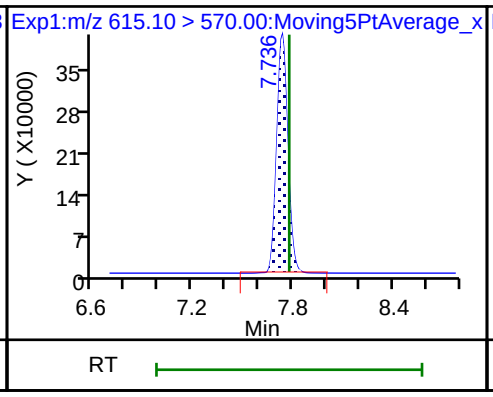
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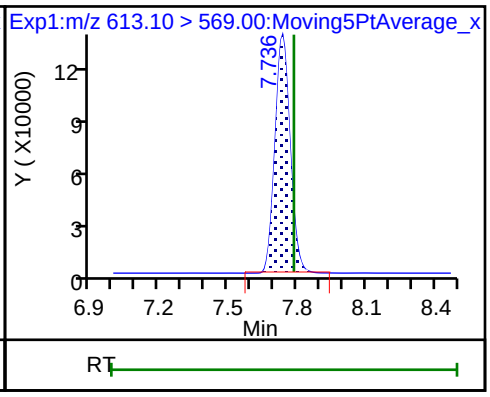
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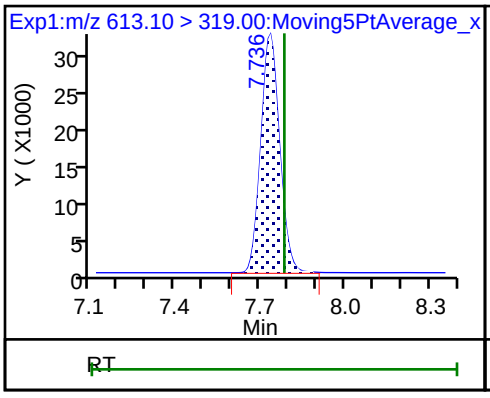
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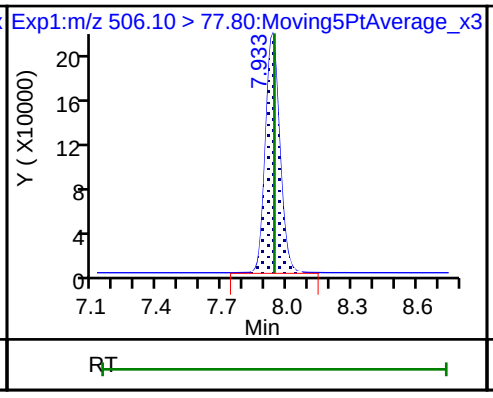
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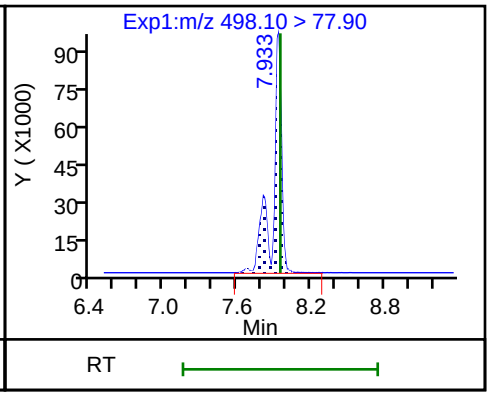
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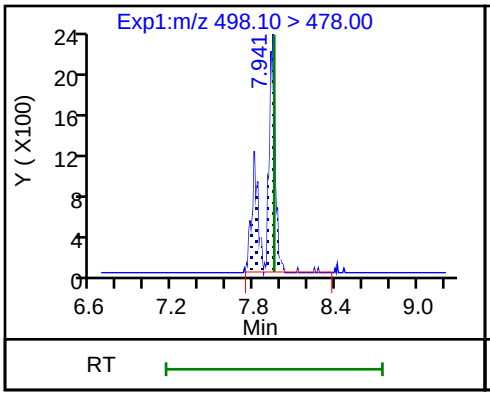
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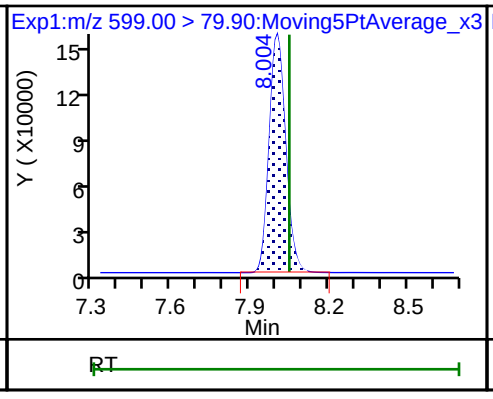
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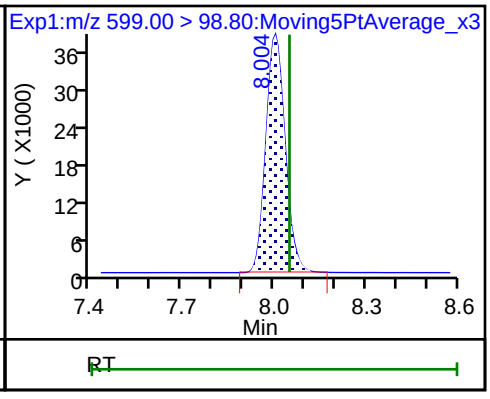
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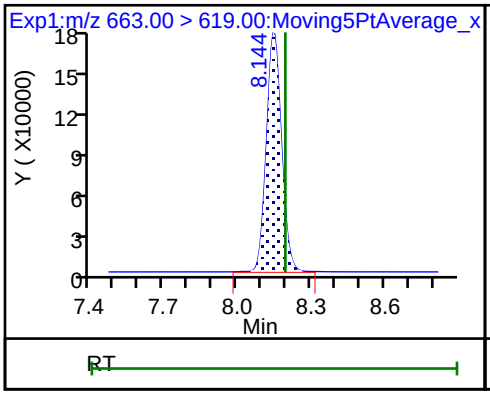
66 PFDS



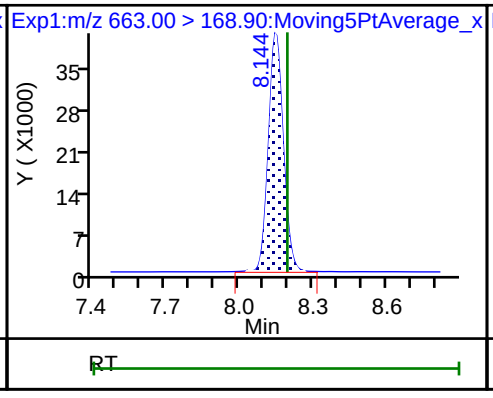
66 PFDS



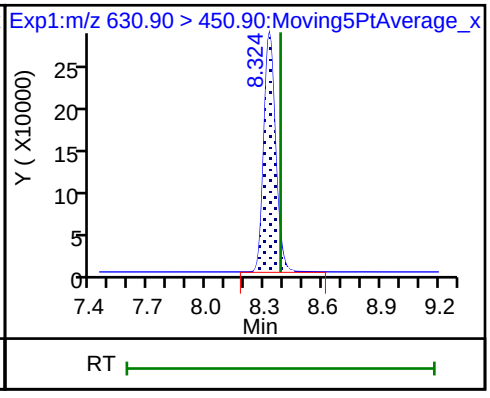
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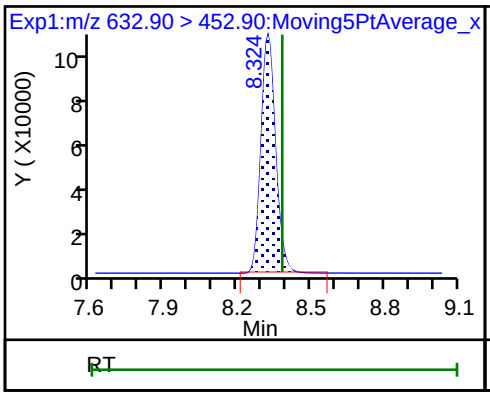
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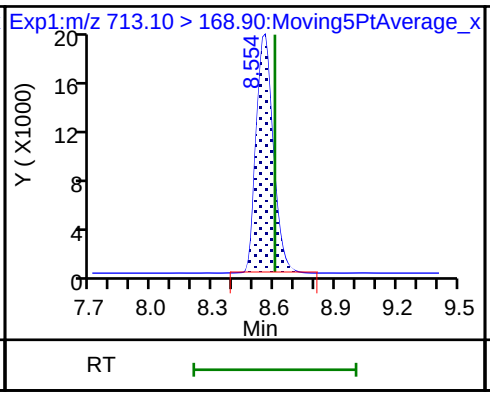
68 11ClFOS



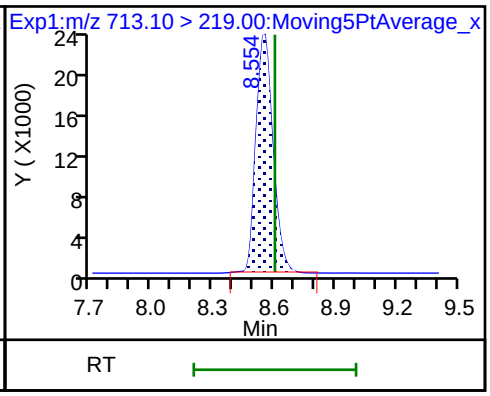
68 11ClFOS



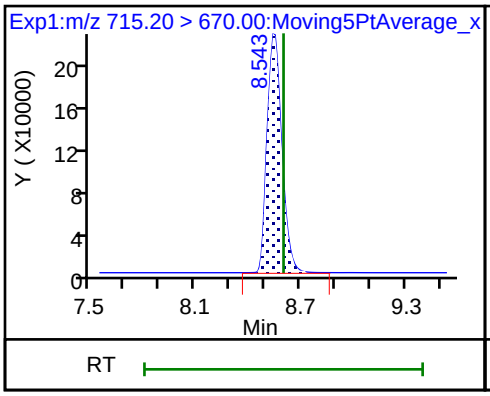
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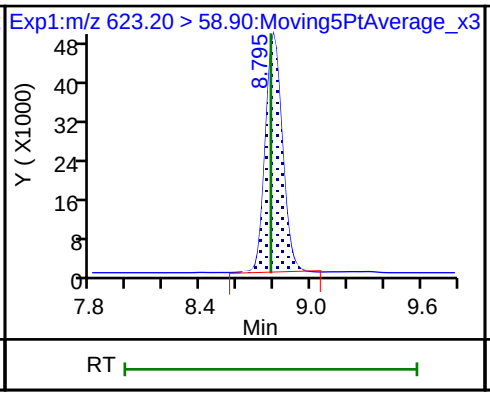
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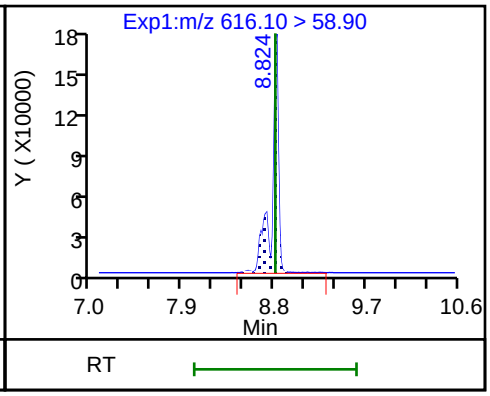
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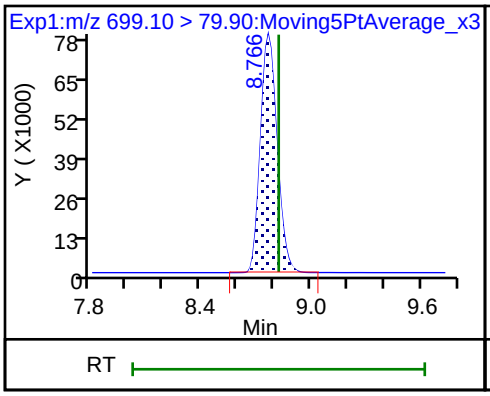
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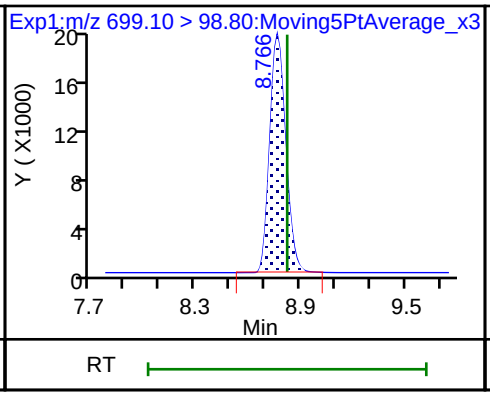
73 N-MeFOSE-M



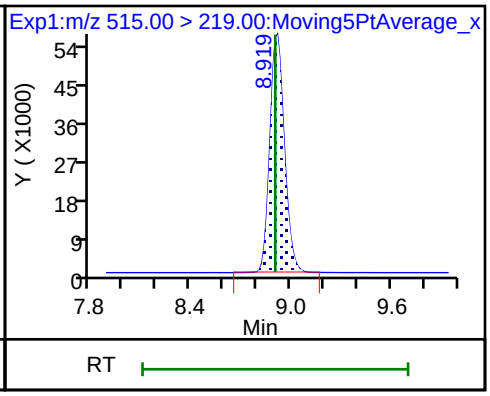
71 PFDoS



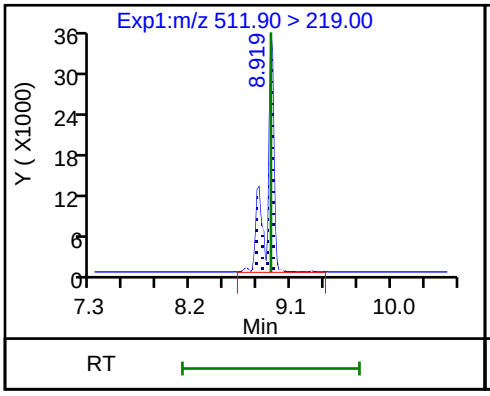
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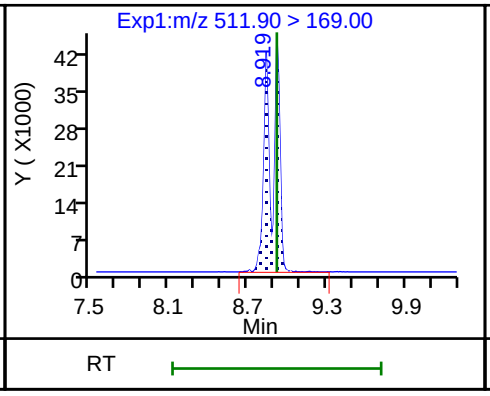
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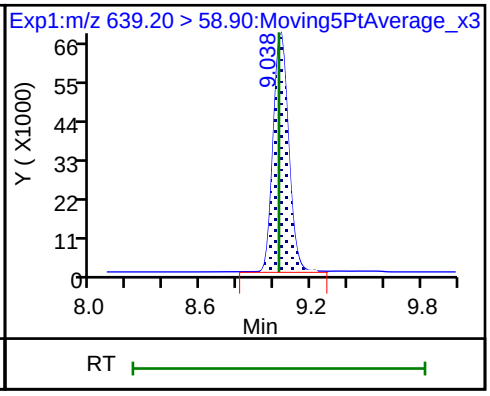
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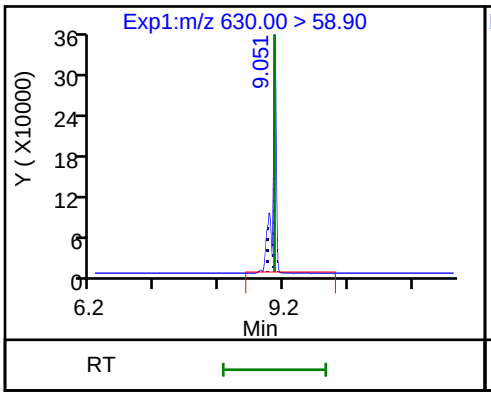
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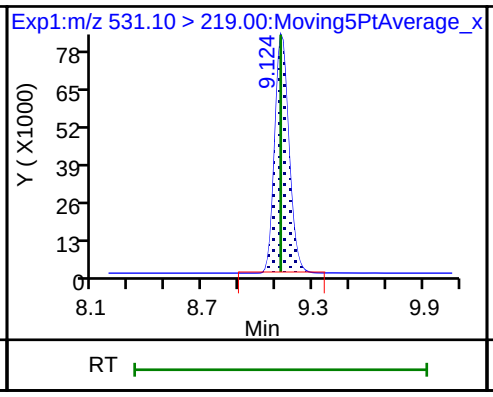
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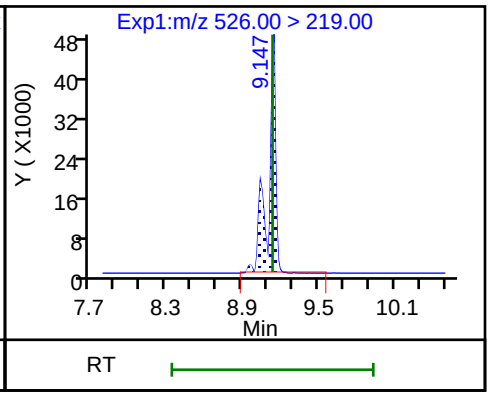
77 N-EtFOSE-M



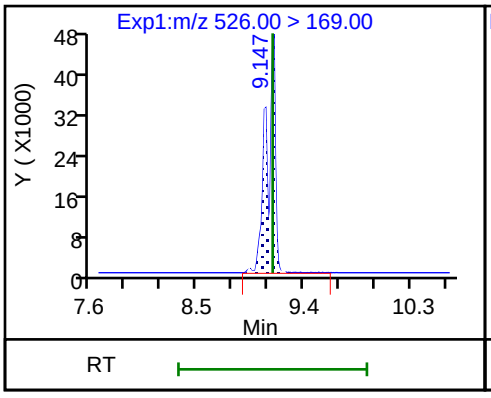
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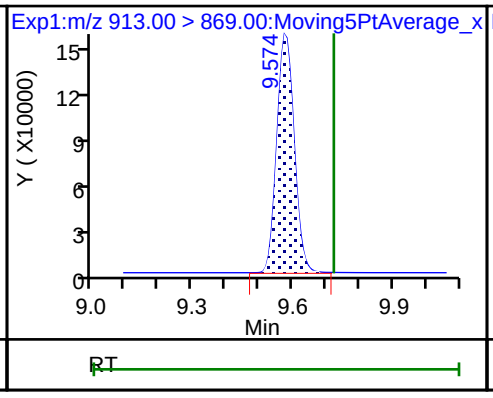
79 N-EtFOSA-M



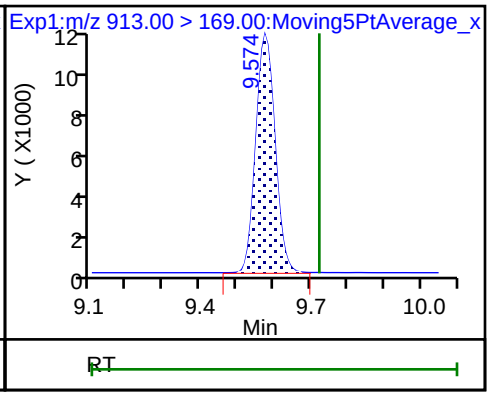
79 N-EtFOSA-M



80 Perfluorooctadecanoic acid



80 Perfluorooctadecanoic acid



FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: CCV 410-615077/33 Calibration Date: 03/11/2025 01:23

Instrument ID: 30570 Calib Start Date: 03/06/2025 19:13

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 03/06/2025 20:48

Lab File ID: 25MAR10N-26.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoropropionic acid (PFPrA)	AveID	1.079	1.032		4.78	5.00	-4.4	30.0
Perfluorobutanoic acid	AveID	0.9380	0.8890		1.90	2.00	-5.2	30.0
Perfluoro-3-methoxypropanoic acid	AveID	1.330	1.324		0.996	1.00	-0.4	30.0
3:3 FTCA	AveID	0.0690	0.0665		1.93	2.00	-3.6	30.0
Perfluoropentanoic acid	L2ID		1.310		1.06	1.00	6.3	30.0
Perfluoro(4-methoxybutanoic acid)	AveID	1.410	1.518		1.08	1.00	7.6	30.0
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	AveID	1.814	1.764		1.82	1.87	-2.8	30.0
Perfluoro-3,6-dioxaheptanoic acid	AveID	0.4349	0.3589		0.825	1.00	-17.5	30.0
Perfluorohexanoic acid	AveID	0.8207	0.7707		0.939	1.00	-6.1	30.0
5:3 FTCA	L2ID		0.0946		4.38	5.00	-12.3	30.0
Perfluorobutanesulfonic acid	AveID	0.8966	0.9163		0.907	0.888	2.2	30.0
HFPO-DA	AveID	1.082	1.111		0.770	0.750	2.7	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	0.6023	0.5875		0.975	1.00	-2.5	30.0
PFEESA	AveID	1.999	1.958		0.874	0.892	-2.0	30.0
Perfluoroheptanoic acid	AveID	0.7302	0.7369		1.01	1.00	0.9	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	2.458	2.746		1.06	0.946	11.7	30.0
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	AveID	1.765	1.629		1.75	1.90	-7.7	30.0
Perfluoropentanesulfonic acid	AveID	1.201	1.114		0.872	0.940	-7.3	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	1.861	1.714		0.902	0.979	-7.9	30.0
Perfluorooctanoic acid	L2ID		0.5826		0.985	1.00	-1.5	30.0
7:3 FTCA	AveID	0.0815	0.0779		4.78	5.00	-4.4	30.0
Perfluorohexanesulfonic acid	AveID	0.9012	0.8127		0.822	0.912	-9.8	30.0
Perfluorononanoic acid	AveID	0.8789	0.8620		0.981	1.00	-1.9	30.0
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	AveID	1.550	1.521		1.88	1.92	-1.9	30.0
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	AveID	0.3138	0.2828		0.833	0.924	-9.9	30.0
Perfluoroheptanesulfonic acid	AveID	1.297	1.442		1.06	0.954	11.1	30.0
NMeFOSAA	AveID	1.032	1.024		0.992	1.00	-0.8	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	1.266	1.072		0.846	1.00	-15.4	30.0
Perfluorodecanoic acid	AveID	0.7286	0.5768		0.792	1.00	-20.8	30.0
NEtFOSAA	AveID	0.8473	0.9305		1.10	1.00	9.8	30.0
Perfluorooctanesulfonic acid	AveID	1.460	1.414		0.901	0.930	-3.1	30.0
Perfluoroundecanoic acid	AveID	0.5380	0.4552		0.846	1.00	-15.4	30.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	AveID	1.508	1.472		0.912	0.934	-2.4	30.0
Perfluorononanesulfonic acid	AveID	1.123	1.109		0.950	0.962	-1.2	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: CCV 410-615077/33 Calibration Date: 03/11/2025 01:23

Instrument ID: 30570 Calib Start Date: 03/06/2025 19:13

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 03/06/2025 20:48

Lab File ID: 25MAR10N-26.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorododecanoic acid	AveID	0.7711	0.7297		0.946	1.00	-5.4	30.0
Perfluorooctanesulfonamide	AveID	0.9435	0.8825		0.935	1.00	-6.5	30.0
Perfluorodecanesulfonic acid	AveID	1.413	1.500		1.02	0.964	6.2	30.0
Perfluorotridecanoic acid	AveID	1.034	0.9788		0.947	1.00	-5.3	30.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	AveID	1.377	1.353		0.928	0.944	-1.7	30.0
Perfluorotetradecanoic acid	AveID	0.1760	0.1654		0.940	1.00	-6.0	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	1.123	1.132		0.978	0.970	0.8	30.0
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	AveID	2.450	2.290		4.67	5.00	-6.5	30.0
NMeFOSA	AveID	0.9285	0.9172		0.988	1.00	-1.2	30.0
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	AveID	3.269	3.190		4.88	5.00	-2.4	30.0
N-ethylperfluoro-1-octanesulfonamide	AveID	0.8831	0.9065		1.03	1.00	2.6	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	1.225	0.8611		0.703	1.00	-29.7	30.0
13C3 PFPrA	Ave	0.9027	0.8871		1.97	2.00	-1.7	30.0
13C4 PFBA	Ave	1.075	1.060		1.97	2.00	-1.3	30.0
13C5 PFPeA	Ave	0.999	1.027		2.06	2.00	2.8	30.0
M2-4:2 FTS	Ave	0.2565	0.2544		4.65	4.69	-0.8	30.0
13C5 PFHxA	Ave	1.344	1.404		2.09	2.00	4.5	30.0
13C3 PFBS	Ave	1.254	1.229		1.83	1.86	-2.0	30.0
13C3 HFPO-DA	Ave	1.218	1.225		2.01	2.00	0.6	30.0
13C4 PFHpA	Ave	1.274	1.402		2.20	2.00	10.1	30.0
M2-6:2 FTS	Ave	0.2144	0.2205		4.89	4.76	2.8	30.0
13C8 PFOA	Ave	0.9920	0.9293		1.87	2.00	-6.3	30.0
13C3 PFHxS	Ave	0.9677	1.008		1.97	1.90	4.1	30.0
13C9 PFNA	Ave	0.9797	0.9738		1.99	2.00	-0.6	30.0
M2-8:2 FTS	Ave	0.1805	0.1734		4.61	4.80	-3.9	30.0
d3-NMeFOSAA	Ave	0.6400	0.6415		5.01	5.00	0.2	30.0
13C6 PFDA	Ave	1.021	1.019		2.00	2.00	-0.1	30.0
d5-NEtFOSAA	Ave	0.5408	0.5056		4.67	5.00	-6.5	30.0
13C8 PFOS	Ave	1.001	0.9605		1.84	1.92	-4.0	30.0
13C7 PFUnA	Ave	1.063	1.042		1.96	2.00	-2.0	30.0
13C2 PFDoA	Ave	0.9152	0.9421		2.06	2.00	2.9	30.0
13C8 FOSA	Ave	1.071	1.034		1.93	2.00	-3.5	30.0
13C2 PFTeDA	Ave	0.6497	0.6688		2.06	2.00	3.0	30.0
d7-N-MeFOSE-M	Ave	0.1538	0.1429		4.65	5.00	-7.1	30.0
d3-NMePFOSA	Ave	0.3527	0.3490		1.98	2.00	-1.1	30.0
d9-N-EtFOSE-M	Ave	0.1933	0.1699		4.39	5.00	-12.1	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: CCV 410-615077/33 Calibration Date: 03/11/2025 01:23

Instrument ID: 30570 Calib Start Date: 03/06/2025 19:13

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 03/06/2025 20:48

Lab File ID: 25MAR10N-26.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d5-NEtPFOSA	Ave	0.4832	0.4656		1.93	2.00	-3.6	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30570\20250310-140389.b\25MAR10N-26.d
Lims ID: CCV 4_CAL 4
Client ID:
Sample Type: CCV
Inject. Date: 11-Mar-2025 01:23:46 ALS Bottle#: 5 Worklist Smp#: 33
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: CAL 4
Misc. Info.: Plate: 1 Rack: 1
Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570
Sublist: chrom-30570-1633-125ml*sub2

Method: \\chromfs\Lancaster\ChromData\30570\20250310-140389.b\30570-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 11-Mar-2025 15:11:35 Calib Date: 06-Mar-2025 20:48:33
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30570\20250306-140144.b\25MAR06CAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1612

First Level Reviewer: RPU6 Date: 11-Mar-2025 14:41:09
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C3PFPrA										
166.00 > 121.00	2.003	2.003	0.0	0.485	1764195	1.97		98.3	381	
2 Perfluoropropionic acid										
163.00 > 119.00	2.028	2.036	-0.008	1.013	4550071	4.78		95.6	452	
5 PFBA										
212.80 > 168.90	4.127	4.141	-0.015	1.000	1874387	1.90		94.8	11319	
D 3 13C4-PFBA										
216.80 > 171.90	4.127	4.141	-0.015	1.000	2108430	1.97		98.7	83548	
* 4 13C3PFBA										
216.00 > 172.00	4.127	4.141	-0.015		1988679	2.00			3153	
6 PFMPA										
229.00 > 84.90	4.429	4.447	-0.018	0.929	1025071	1.00		99.6	45654	
7 3:3 FTCA										
241.00 > 177.00	4.438	4.457	-0.019	0.931	102901	1.93	Target=1.52	96.4	7727	
241.00 > 117.00	4.438	4.457	-0.019	0.931	66067		1.56(0.76-2.29)		3772	
D 8 13C5 PFPeA										
268.30 > 223.00	4.769	4.783	-0.014	0.909	1548122	2.06		103	101490	
9 PFPA										
263.00 > 219.00	4.769	4.783	-0.014	1.000	1013905	1.06		106	38267	
10 PFMBA										
279.00 > 85.10	4.925	4.944	-0.019	1.033	1175202	1.08		108	63345	
11 4:2FTS										
327.10 > 307.00	5.057	5.075	-0.018	1.000	539259	1.82	Target=1.56	97.2	40006	
327.10 > 80.90	5.057	5.075	-0.018	1.000	341591		1.58(0.78-2.34)		9532	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.057	5.075	-0.018	0.799	767487	4.65		99.2	42803	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.205	5.224	-0.019	0.992	379793	0.8252	Target=1.56	82.5	27019	
295.00 > 84.90	5.205	5.224	-0.019	0.992	280260		1.36(0.78-2.34)		20355	
* 16 13C2 PFHxA										
315.10 > 270.00	5.245	5.255	-0.010		3767265	5.00			156524	
D 15 13C5 PFHxA										
318.00 > 273.00	5.245	5.255	-0.010	1.000	2116427	2.09		104	146109	
17 PFHxA										
313.00 > 269.00	5.245	5.266	-0.021	1.000	815610	0.9392	Target=11.59	93.9	28319	
313.00 > 118.90	5.245	5.266	-0.021	1.000	80119		10.18(5.80-17.39)		5553	
18 5:3 FTCA										
341.00 > 237.10	5.330	5.348	-0.018	1.016	500606	4.38	Target=0.73	87.7	26621	
341.00 > 217.00	5.330	5.348	-0.018	1.016	769488		0.65(0.36-1.09)		41408	
D 20 13C3 PFBS										
302.10 > 79.90	5.383	5.401	-0.018	0.851	1473303	1.83		98.0	108142	
19 PFBS										
298.70 > 79.90	5.383	5.411	-0.028	1.000	643096	0.9075	Target=2.92	102	47334	
298.70 > 98.80	5.383	5.411	-0.028	1.000	217451		2.96(1.46-4.37)		15943	
21 HFPO-DA										
284.90 > 168.90	5.439	5.448	-0.009	1.000	769502	0.7702	Target=2.57	103	32182	
284.90 > 184.90	5.439	5.448	-0.009	1.000	291350		2.64(1.28-3.85)		15398	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.439	5.448	-0.009	1.037	1846545	2.01		101	129286	
23 FBSA										
297.90 > 78.00	5.460	5.481	-0.021	1.014	464341	0.9753		97.5	22763	
26 PFEESA										
314.80 > 134.90	5.628	5.658	-0.030	1.073	1848387	0.8739	Target=12.48	98.0	123353	
314.80 > 82.90	5.628	5.658	-0.030	1.073	148607		12.44(6.24-18.71)		9880	
28 PFHpA										
363.10 > 319.00	5.679	5.700	-0.021	1.000	778515	1.01	Target=1.91	101	26577	
363.10 > 169.00	5.679	5.700	-0.021	1.000	403162		1.93(0.96-2.87)		27339	
D 27 13C4 PFHpA										
367.10 > 322.00	5.679	5.700	-0.021	1.083	2113076	2.20		110	143071	
29 ADONA										
376.90 > 250.90	5.835	5.860	-0.026	1.073	2398606	1.06	Target=2.10	112	174735	
376.90 > 84.80	5.835	5.860	-0.026	1.073	1167637		2.05(1.05-3.14)		63413	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.880	5.900	-0.020	0.929	675089	4.89		103	49074	
30 PFPeS										
349.10 > 79.90	5.880	5.900	-0.020	0.929	678926	0.8717	Target=3.36	92.7	48436	
349.10 > 98.90	5.880	5.900	-0.020	0.929	201470		3.37(1.68-5.04)		14360	
31 6:2FTS										
427.10 > 407.00	5.880	5.900	-0.020	1.000	438081	1.75	Target=1.65	92.3	31735	
427.10 > 80.90	5.880	5.900	-0.020	1.000	282520		1.55(0.83-2.48)		20629	
33 BTS										
280.00 > 147.00	6.050	6.075	-0.025	0.956	1088154	0.9019		92.1	84397	
D 34 13C8 PFOA										
421.10 > 376.00	6.092	6.118	-0.026	0.999	2335792	1.87		93.7	131024	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 35 13C4 PFOA										
417.10 > 372.00	6.101	6.118	-0.017		6284046	5.00			11543	
36 PFOA										
413.00 > 369.00	6.101	6.127	-0.026	1.001	680394	0.9851	Target=1.59	98.5	966	
413.00 > 169.00	6.101	6.127	-0.026	1.001	450432		1.51(0.79-2.38)		867	
37 7:3 FTCA										
441.00 > 316.90	6.188	6.214	-0.026	1.180	412363	4.78	Target=0.64	95.6	22692	
441.00 > 336.90	6.180	6.214	-0.034	1.178	699418		0.59(0.32-0.96)		37931	
* 38 18O2 PFHxS										
403.00 > 83.90	6.329	6.356	-0.027		1217178	1.89			86385	
40 PFHxS										
398.70 > 79.90	6.320	6.356	-0.036	0.999	480541	0.8224	Target=3.42	90.2	915	
398.70 > 98.90	6.320	6.356	-0.036	0.999	152448		3.15(1.71-5.12)		492	
D 39 13C3 PFHxS										
402.10 > 79.90	6.329	6.356	-0.027	1.000	1229312	1.97		104	88033	
D 42 13C9 PFNA										
472.10 > 427.00	6.498	6.535	-0.037	1.000	2179811	1.99		99.4	116173	
* 41 13C5 PFNA										
468.00 > 423.00	6.498	6.535	-0.037		2238548	2.00			159345	
43 PFNA										
463.00 > 419.00	6.498	6.535	-0.037	1.000	939492	0.9808	Target=2.53	98.1	1393	
463.00 > 219.00	6.498	6.535	-0.037	1.000	364498		2.58(1.26-3.79)		677	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.685	6.712	-0.027	1.056	535315	4.61		96.1	39151	
44 8:2FTS										
527.10 > 507.00	6.685	6.712	-0.027	1.000	324994	1.88	Target=1.68	98.1	23968	
527.10 > 80.80	6.685	6.712	-0.027	1.000	195853		1.66(0.84-2.52)		14277	
46 PFECHS										
461.00 > 381.00	6.731	6.759	-0.028	1.063	169430	0.8327	Target=0.26	90.1	11600	
461.00 > 99.00	6.722	6.759	-0.037	1.062	663121		0.26(0.13-0.39)		44762	
47 PFHpS										
449.00 > 79.90	6.759	6.796	-0.037	0.941	627774	1.06	Target=3.85	111	44777	
449.00 > 98.80	6.759	6.796	-0.037	0.941	165388		3.80(1.92-5.77)		11749	
D 48 d3-NMeFOSAA										
573.20 > 419.00	6.842	6.873	-0.030	0.953	1523884	5.01		100	105686	
49 NMeFOSAA										
570.10 > 419.00	6.851	6.891	-0.040	1.001	312132	0.99	Target=1.84	99.2	732	
570.10 > 483.00	6.851	6.891	-0.040	1.001	182711		1.71(0.92-2.76)		408	
53 FHxSA										
397.90 > 78.00	6.873	6.900	-0.028	1.086	694883	0.8463		84.6	45054	
* 50 13C2 PFDA										
515.10 > 470.10	6.910	6.947	-0.037		1897511	2.00			131876	
D 51 13C6 PFDA										
519.10 > 474.10	6.910	6.947	-0.037	1.000	1934277	2.00		99.9	135068	
52 PFDA										
512.90 > 469.00	6.919	6.947	-0.028	1.001	557810	0.7916	Target=3.96	79.2	39299	
512.90 > 219.00	6.919	6.947	-0.028	1.001	166213		3.36(1.98-5.94)		11455	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.031	7.060	-0.029	0.979	1201164	4.67		93.5	60940	
55 NEtFOSAA										
584.20 > 419.10	7.041	7.087	-0.046	1.001	223529	1.10	Target=1.53	110	782	
584.20 > 526.00	7.031	7.087	-0.056	1.000	143932		1.55(0.76-2.29)		467	
D 56 13C8 PFOS										
507.10 > 79.90	7.183	7.222	-0.039	1.000	874432	1.84		96.0	29590	
* 57 13C4 PFOS										
502.80 > 79.90	7.183	7.222	-0.039		908449	1.91			62756	
58 PFOS										
498.90 > 79.90	7.183	7.231	-0.048	1.000	600345	0.9010	Target=4.24	96.9	75399	
498.90 > 98.80	7.183	7.231	-0.048	1.000	150880		3.98(2.12-6.36)		431	
60 PFUnA										
563.10 > 519.00	7.324	7.360	-0.036	1.000	449854	0.8460	Target=3.85	84.6	24482	
563.10 > 269.10	7.324	7.360	-0.036	1.000	134406		3.35(1.92-5.77)		9639	
D 59 13C7 PFUnA										
570.00 > 525.10	7.324	7.360	-0.036	1.060	1976473	1.96		98.0	139704	
61 9ClFOS										
530.80 > 351.00	7.495	7.543	-0.048	1.378	1269541	0.9120	Target=3.07	97.6	76049	
532.80 > 353.00	7.495	7.543	-0.048	1.378	413952		3.07(1.53-4.60)		32963	
62 PFNS										
548.80 > 79.90	7.597	7.639	-0.042	1.058	487059	0.9502	Target=3.59	98.8	34985	
548.80 > 98.80	7.597	7.639	-0.042	1.058	125138		3.89(1.79-5.38)		9020	
D 81 13C2 PFDoA										
615.10 > 570.00	7.736	7.777	-0.041	1.120	1787729	2.06		103	78510	
63 PFDoA										
613.10 > 569.00	7.736	7.785	-0.049		652296	0.9463	Target=4.53	94.6	48383	
613.10 > 319.00	7.736	7.785	-0.049		148965		4.38(2.27-6.80)		10921	
D 65 13C8 FOSA										
506.10 > 77.80	7.925	7.941	-0.016	1.103	982417	1.93		96.5	53955	
64 PFOSA										
498.10 > 77.90	7.925	7.949	-0.024	1.000	433469	0.9353	Target=45.11	93.5	1651	
498.10 > 478.00	7.925	7.949	-0.024	1.000	9075		47.77(22.56-67.67)		38.6	
66 PFDS										
599.00 > 79.90	8.003	8.049	-0.046	1.114	659939	1.02	Target=3.86	106	50711	
599.00 > 98.80	8.003	8.049	-0.046	1.114	166501		3.96(1.93-5.78)		12728	
67 PFTrDA										
663.00 > 619.00	8.144	8.195	-0.051	0.953	748007	0.9465	Target=4.57	94.7	43683	
663.00 > 168.90	8.144	8.195	-0.051	0.953	168483		4.44(2.28-6.85)		13143	
68 11ClFOS										
630.90 > 450.90	8.316	8.382	-0.066	1.529	1179183	0.9276	Target=2.96	98.3	95203	
632.90 > 452.90	8.316	8.382	-0.066	1.529	404669		2.91(1.48-4.43)		32621	
70 PFTeDA										
713.10 > 168.90	8.542	8.602	-0.060	1.000	104964	0.9399	Target=0.89	94.0	6097	
713.10 > 219.00	8.542	8.602	-0.060	1.000	120168		0.87(0.44-1.33)		6992	
D 69 13C2 PFTeDA										
715.20 > 670.00	8.542	8.602	-0.060	1.236	1269127	2.06		103	74243	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.780	8.781	-0.001	1.222	339589	4.65		92.9	7523	
73 N-MeFOSE-M										
616.10 > 58.90	8.809	8.809	0.0	1.003	777688	4.67		93.5	4939	
71 PFDoS										
699.10 > 79.90	8.752	8.823	-0.071	1.218	501221	0.9779	Target=4.18	101	26447	
699.10 > 98.80	8.752	8.823	-0.071	1.218	122585		4.09(2.09-6.27)		6473	
D 74 d3-NMePFOSA										
515.00 > 219.00	8.905	8.905	0.0	1.240	331653	1.98		98.9	18413	
75 NMeFOSA										
511.90 > 219.00	8.905	8.919	-0.014	1.000	152094	0.9879	Target=0.67	98.8	980	
511.90 > 169.00	8.918	8.919	-0.001	1.001	226678		0.67(0.33-1.00)		851	
D 76 d9-N-EtFOSE										
639.20 > 58.90	9.025	9.025	-0.001	1.256	403545	4.39		87.9	11571	
77 N-EtFOSE-M										
630.00 > 58.90	9.051	9.051	0.0	1.003	1287387	4.88		97.6	1491	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.111	9.123	-0.012	1.269	442423	1.93		96.4	20809	
79 N-EtFOSA-M										
526.00 > 219.00	9.135	9.135	0.0	1.003	200531	1.03	Target=0.82	103	1833	
526.00 > 169.00	9.123	9.135	-0.012	1.001	229365		0.87(0.41-1.24)		1264	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.581	9.723	-0.142	1.122	546418	0.7028	Target=14.67	70.3	30742	
913.00 > 169.00	9.581	9.723	-0.142	1.122	40183		13.60(7.34-22.01)		3773	

QC Flag Legend

Processing Flags

Reagents:

1633_125_CAL4_00033 Amount Added: 1.00 Units: mL

Report Date: 11-Mar-2025 15:11:36 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30570\20250310-140389.b\25MAR10N-26.d

Injection Date: 11-Mar-2025 01:23:46 Instrument ID: 30570

Lims ID: CCV 4_CAL 4

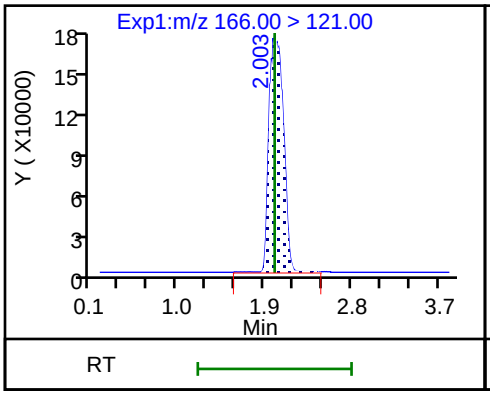
Client ID:

Operator ID: ETUS023_USR_INS00003 ALS Bottle#: 5 Worklist Smp#: 33

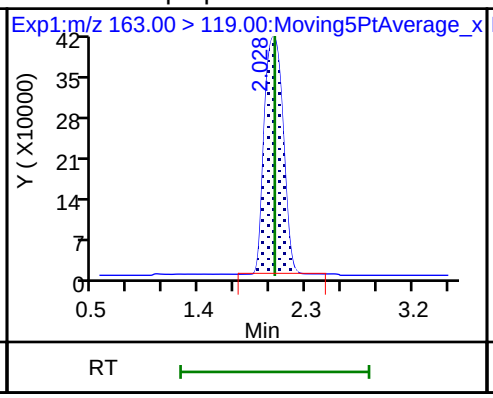
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 30570-1633-125ml Limit Group: LC - 1633 LVI- ICAL

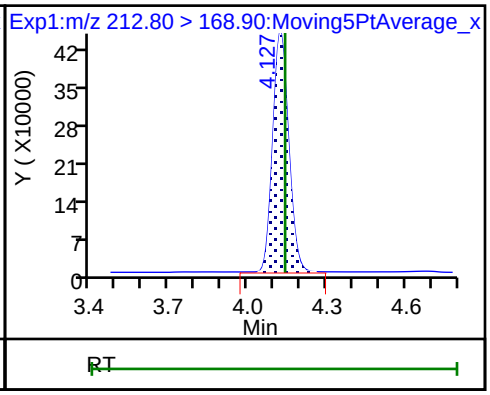
D 1 13C3PFPrA



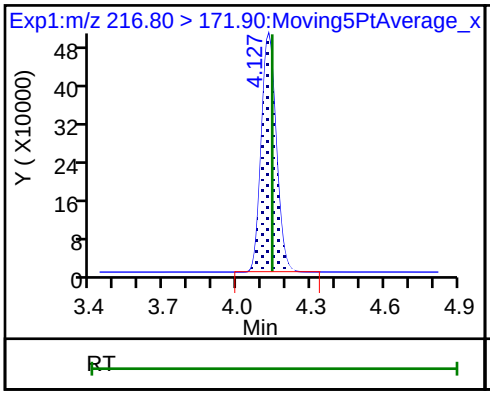
2 Perfluoropropionic acid



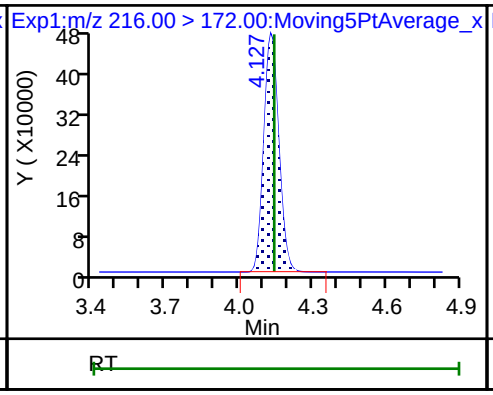
5 PFBA



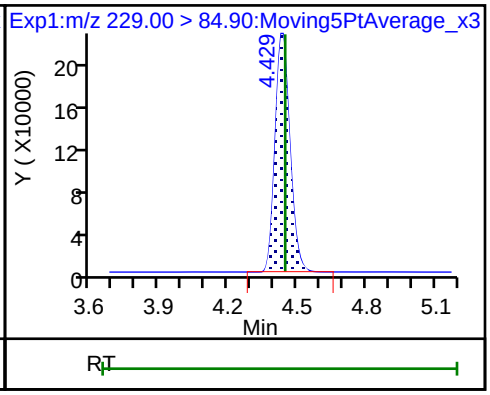
D 3 13C4-PFBA



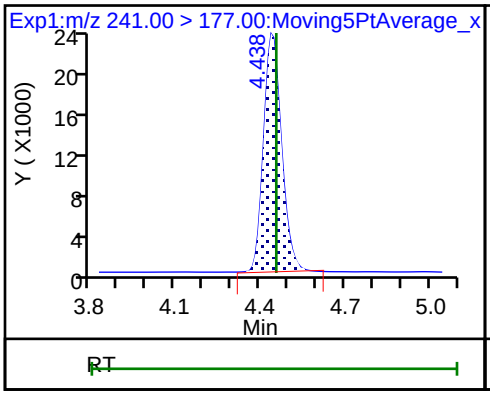
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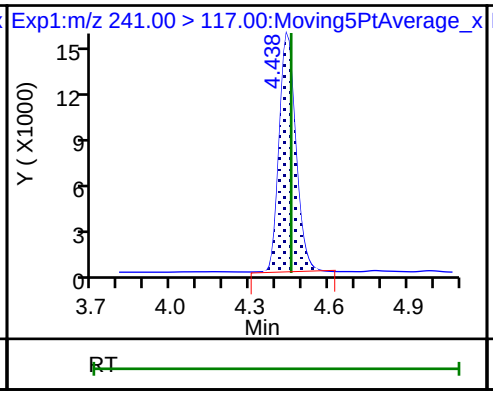
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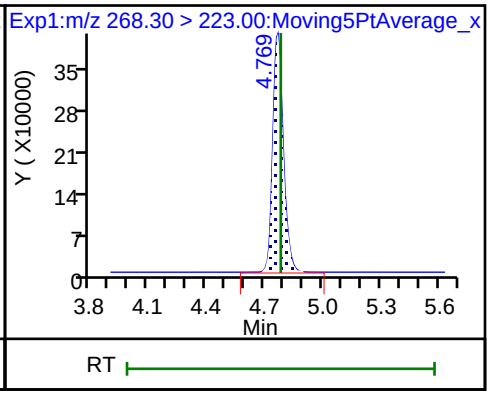
7 3:3 FTCA



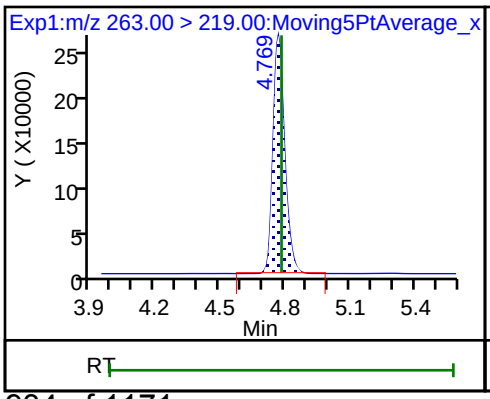
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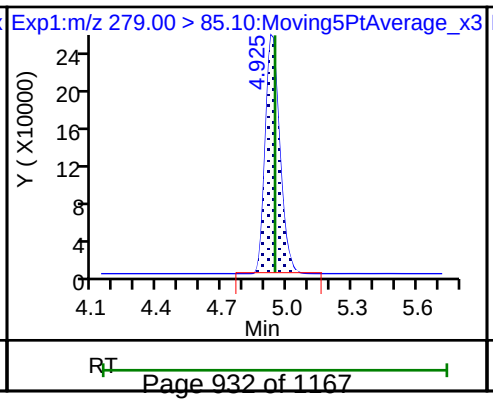
D 8 13C5 PFPeA



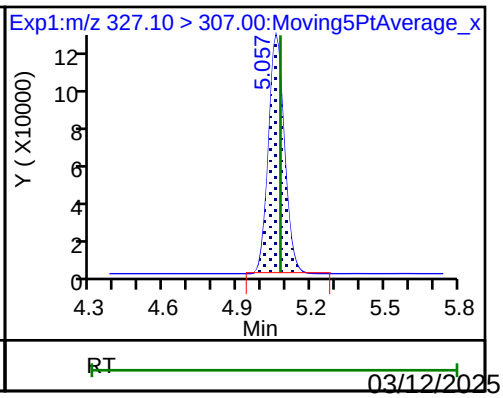
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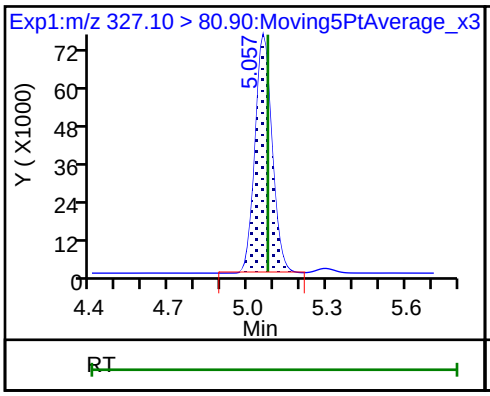
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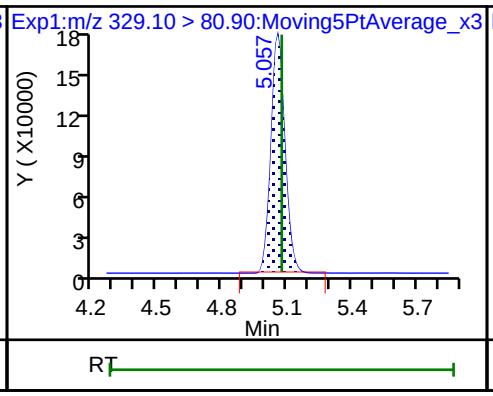
11 4:2FTS



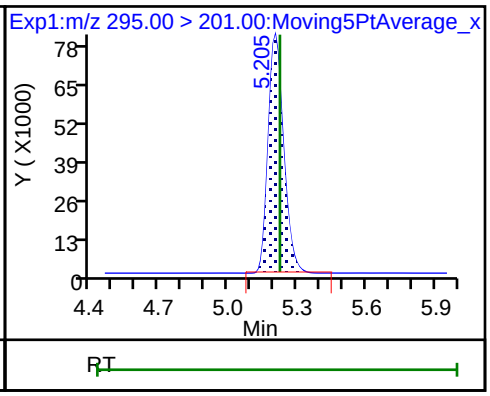
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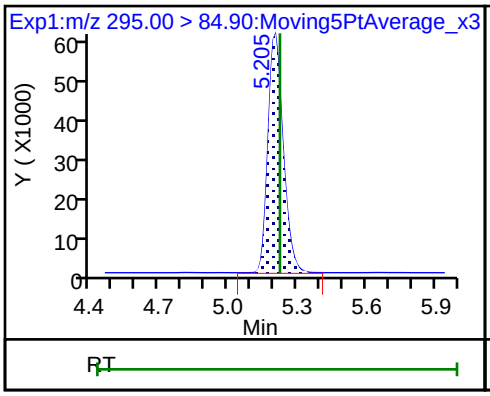
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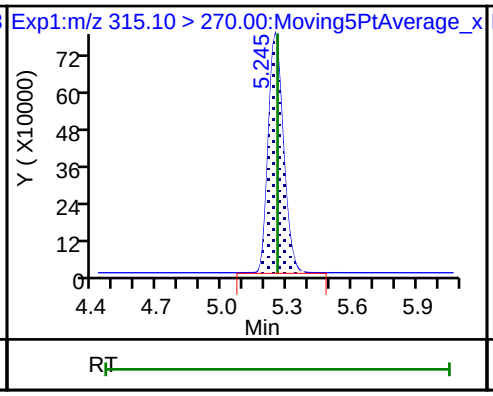
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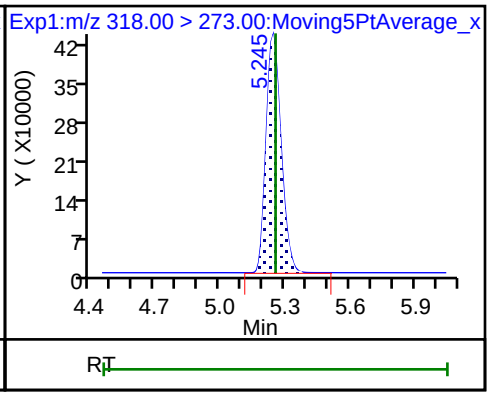
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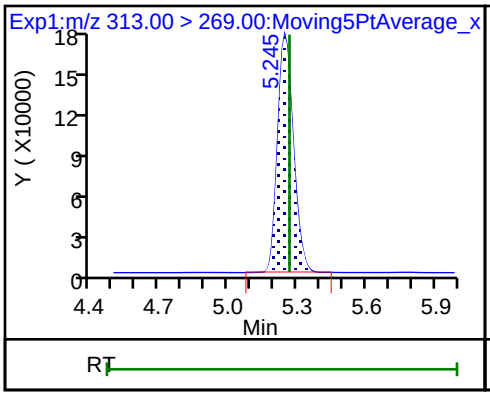
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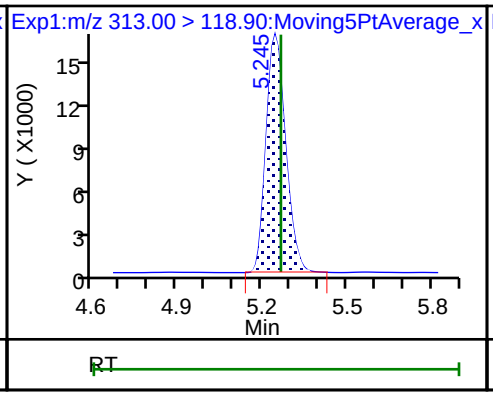
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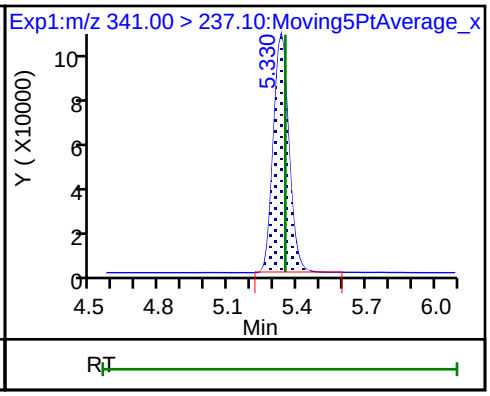
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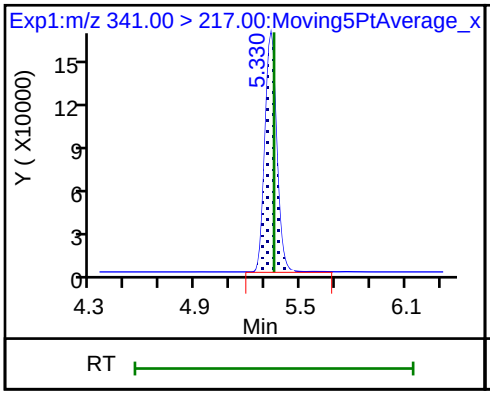
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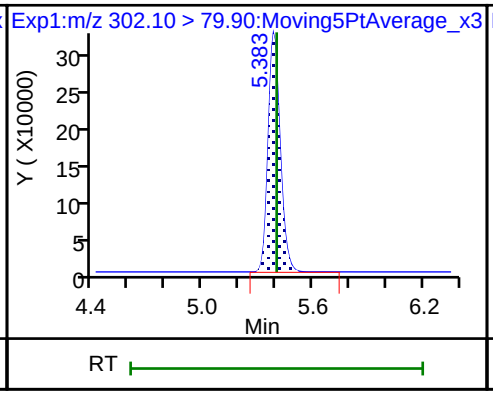
18 5:3 FTCA



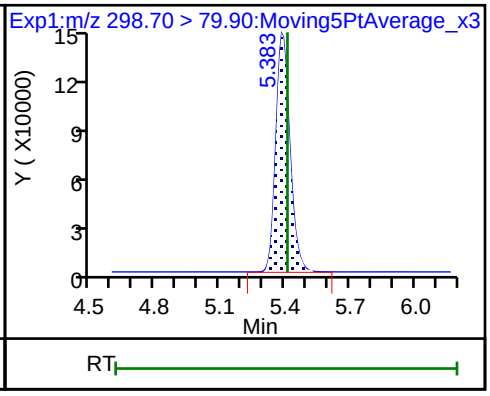
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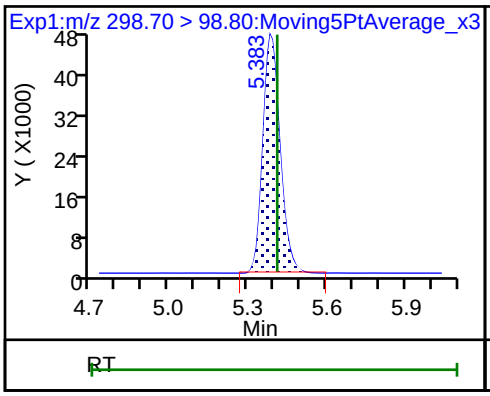
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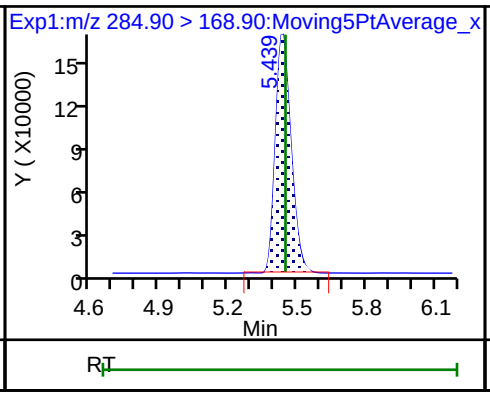
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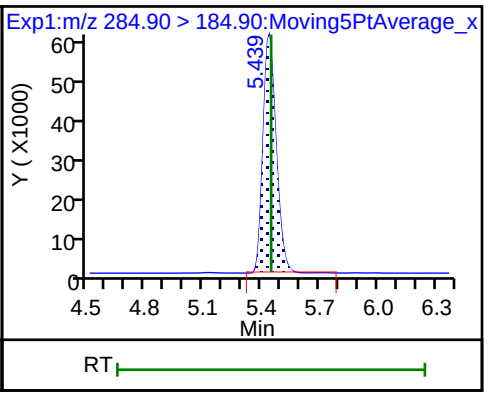
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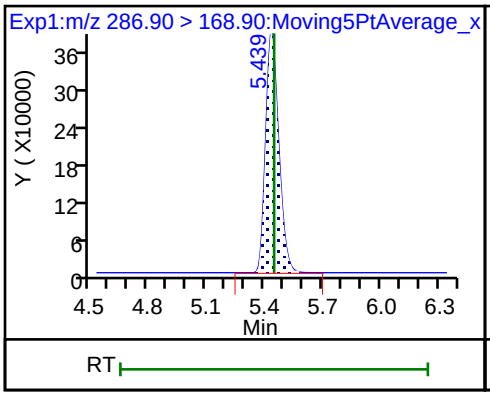
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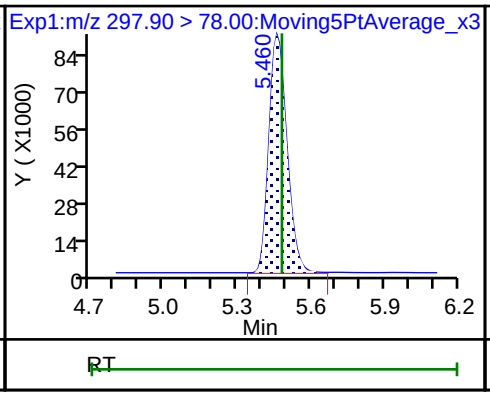
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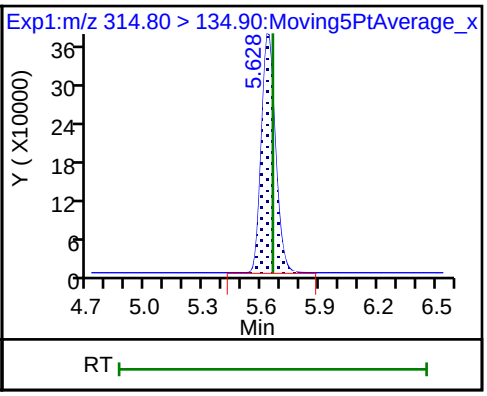
D 22 13C3 HFPO-DA



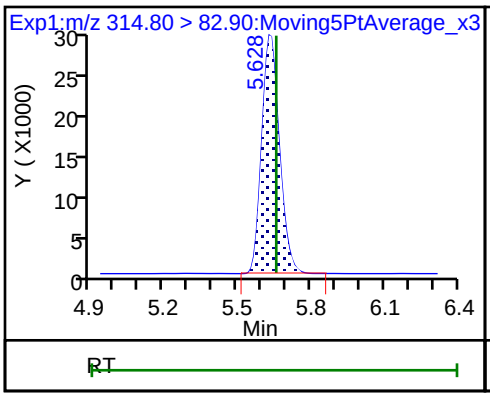
23 FBSA



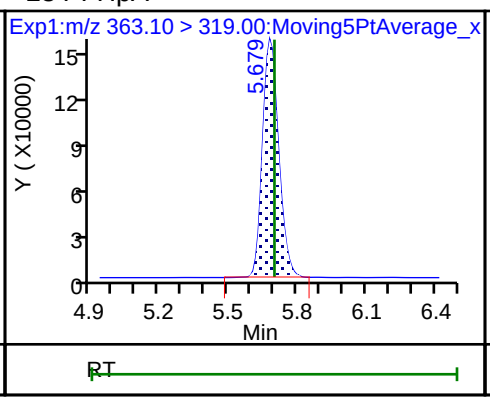
26 PFEESA



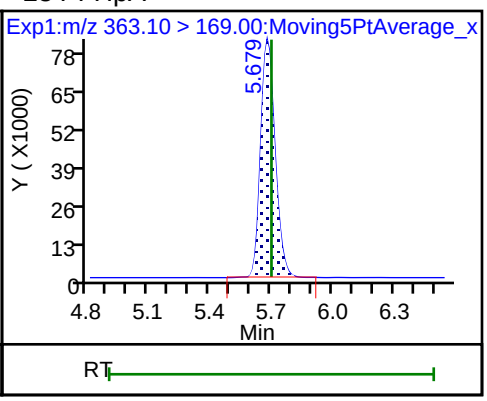
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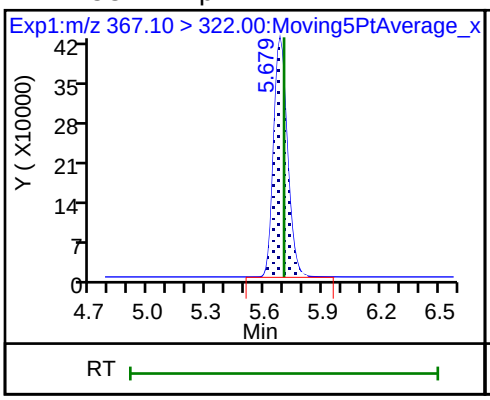
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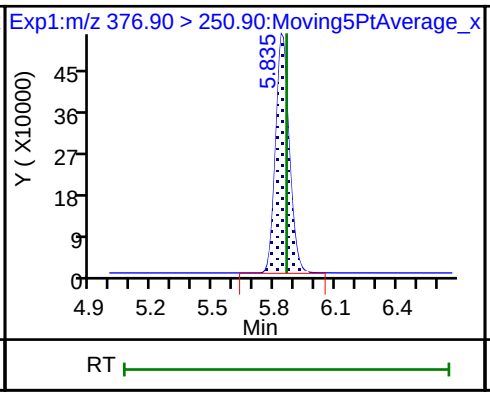
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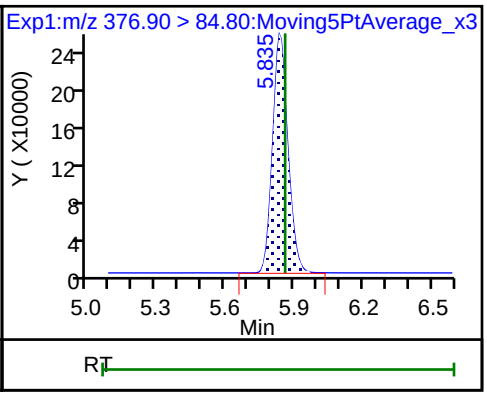
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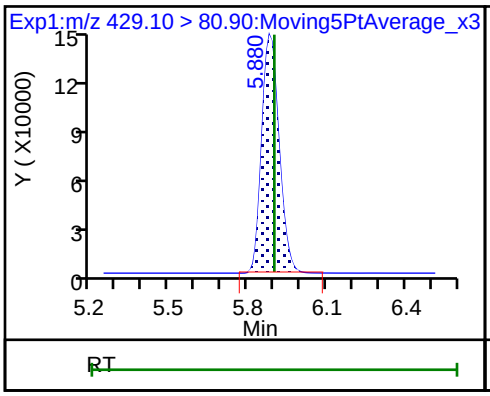
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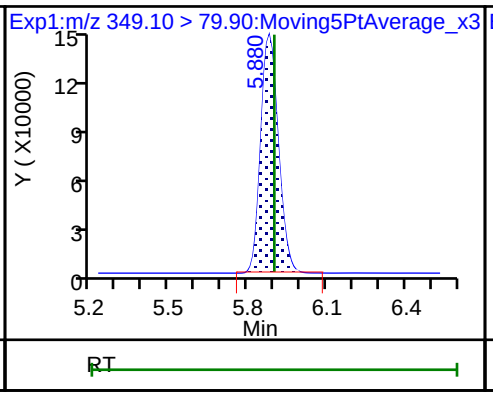
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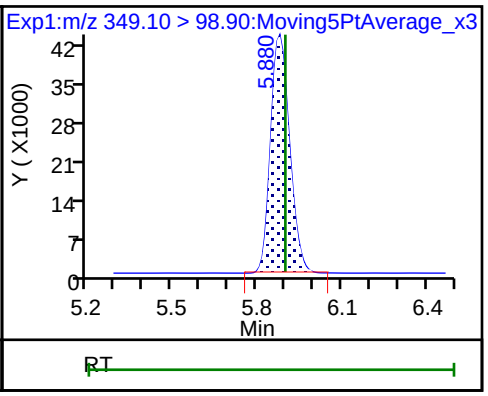
D 32 13C2-6:2FTS



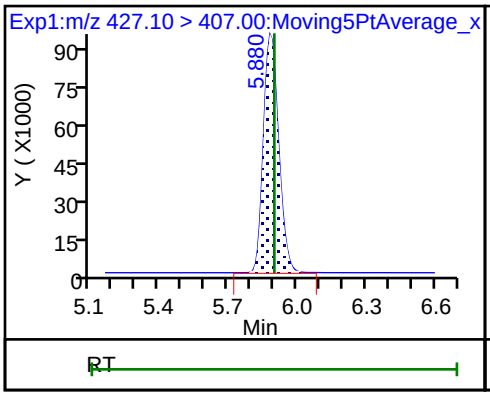
30 PFPeS



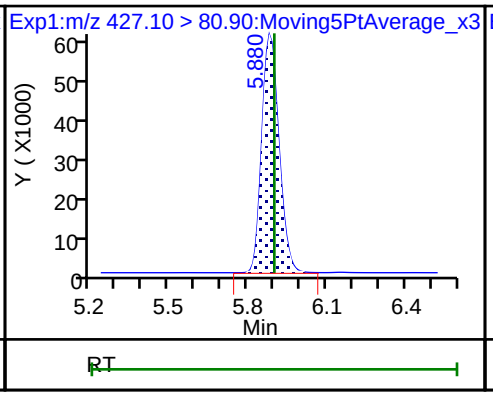
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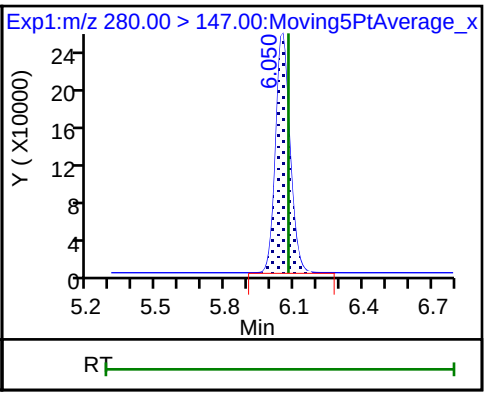
31 6:2FTS



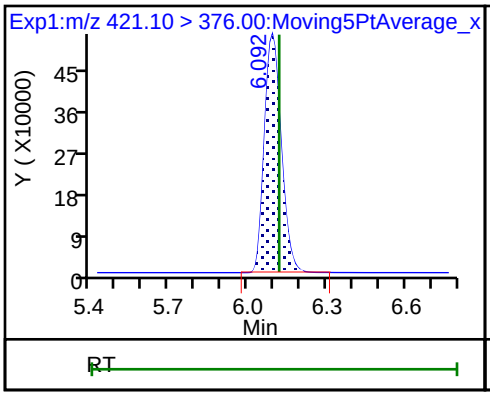
31 6:2FTS



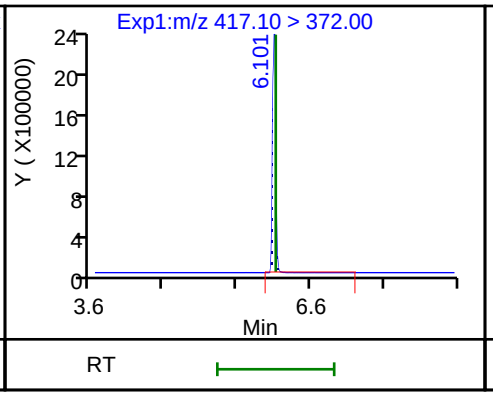
33 BTS



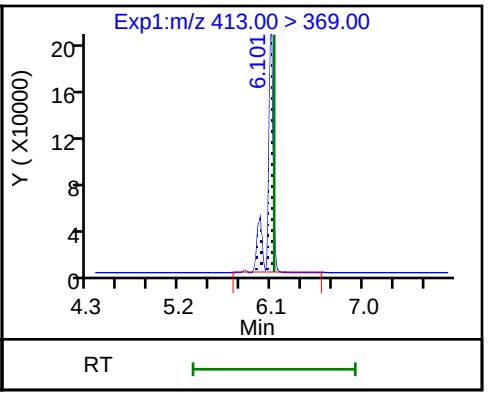
D 34 13C8 PFOA



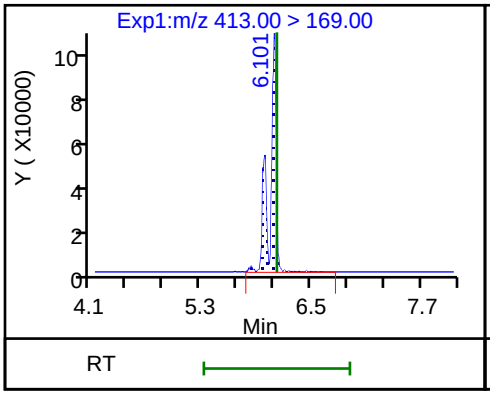
* 35 13C4 PFOA



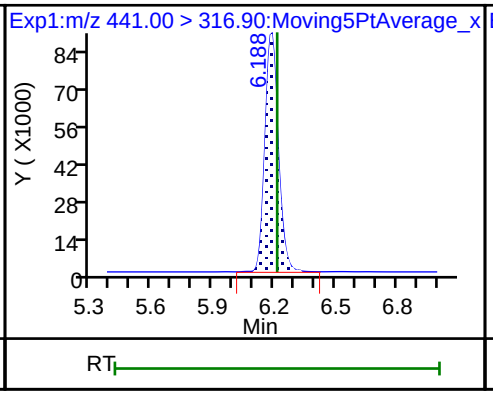
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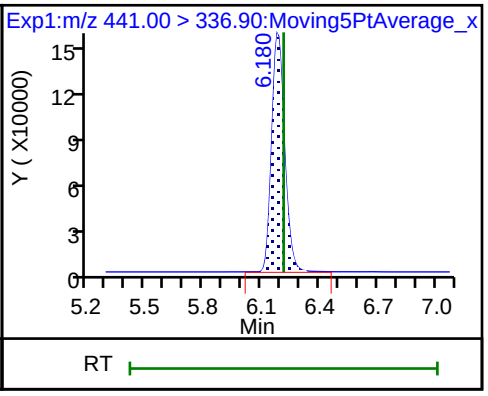
36 PFOA



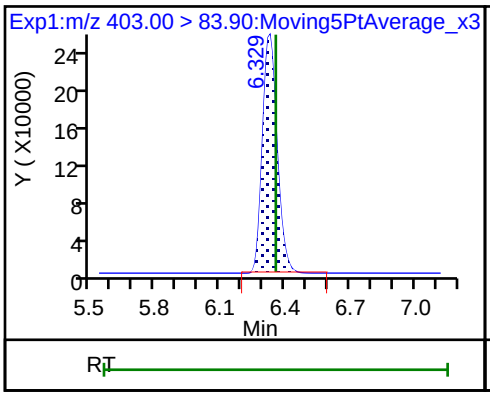
37 7:3 FTCA



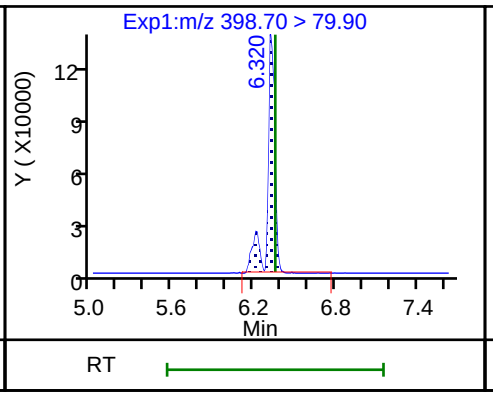
37 7:3 FTCA



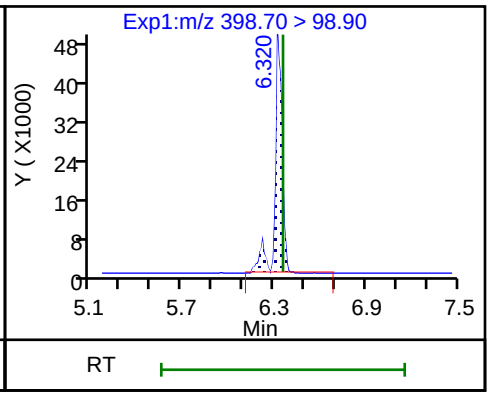
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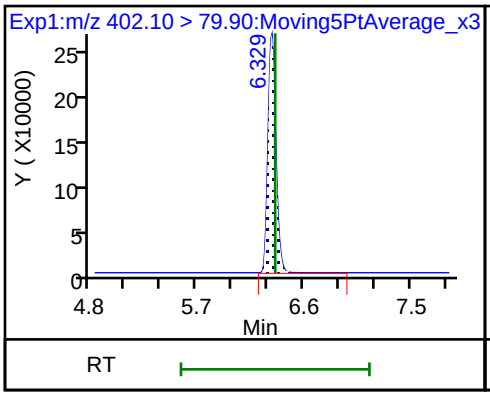
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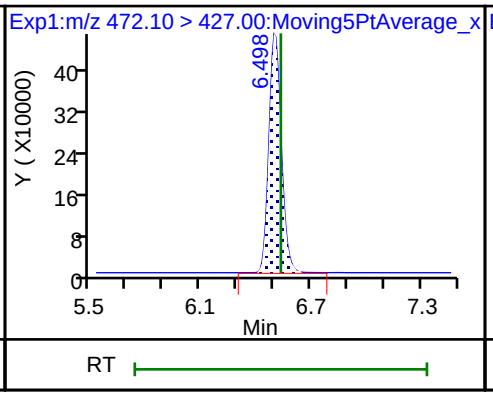
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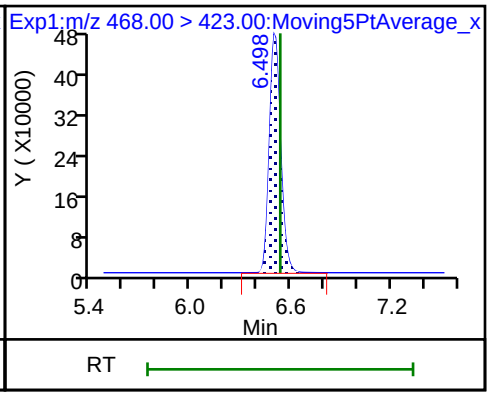
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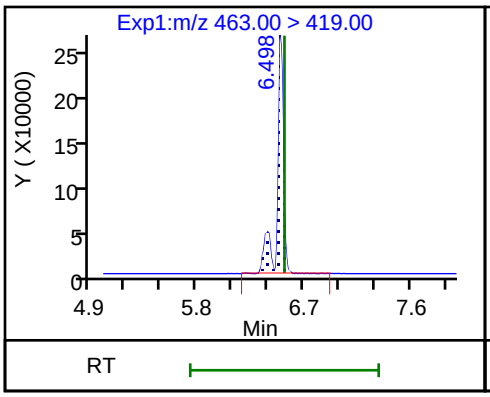
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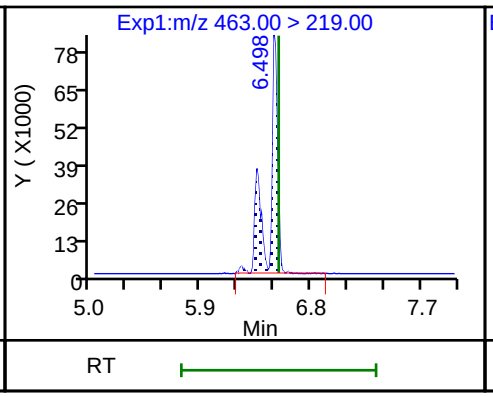
* 41 13C5 PFNA



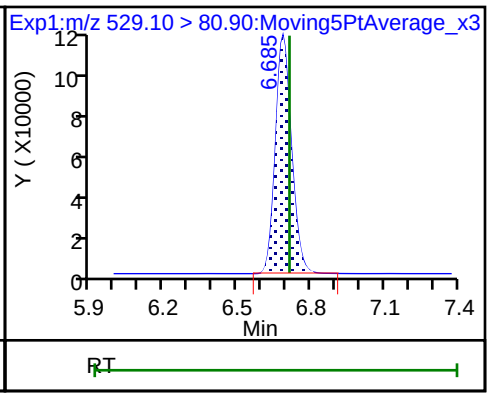
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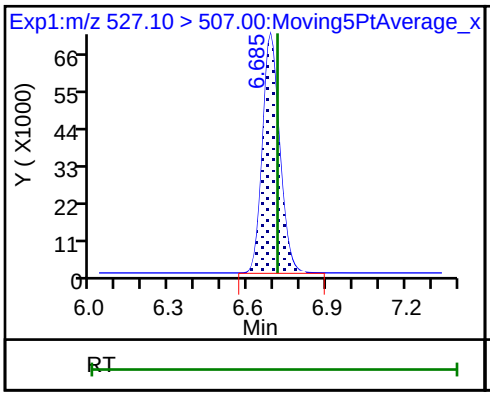
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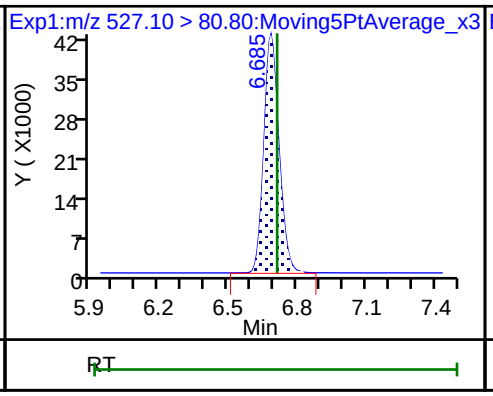
D 45 13C2-8:2FTS



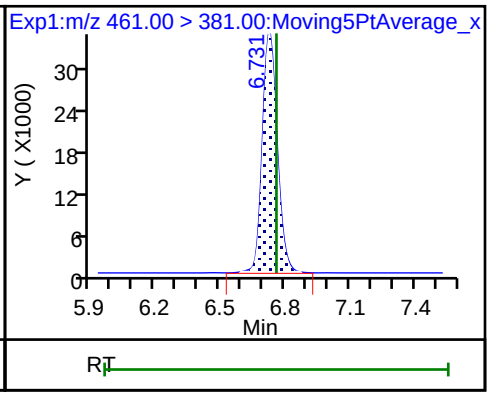
44 8:2FTS



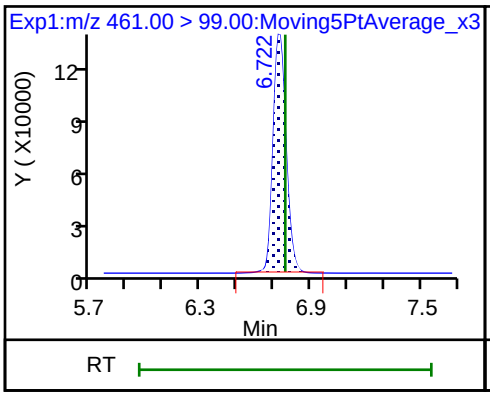
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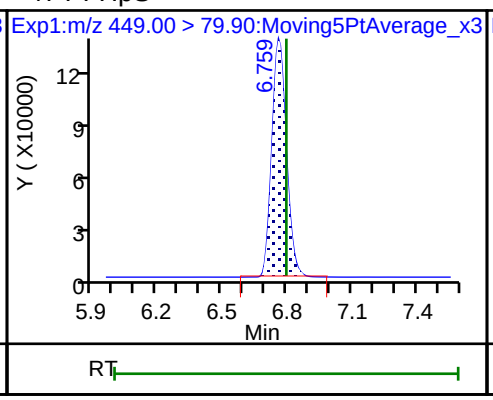
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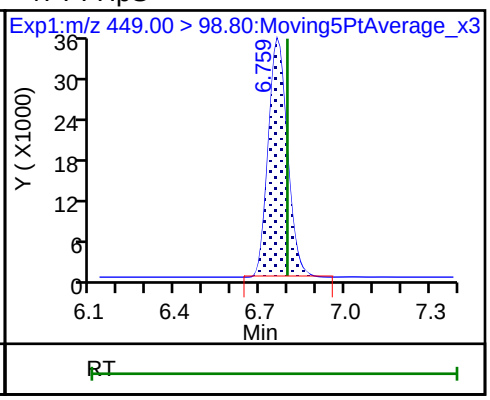
46 PFECHS



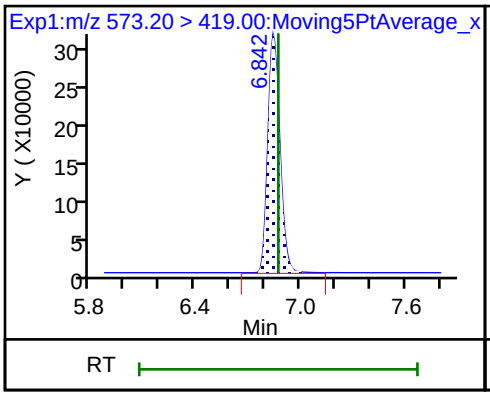
47 PFHpS



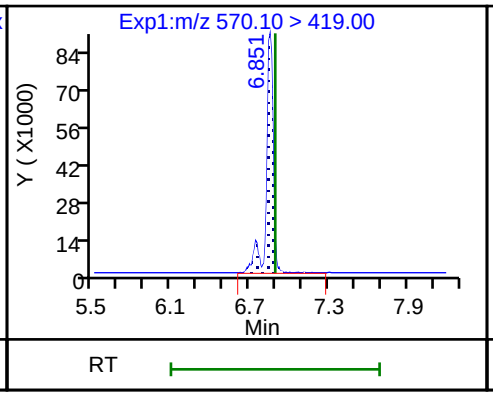
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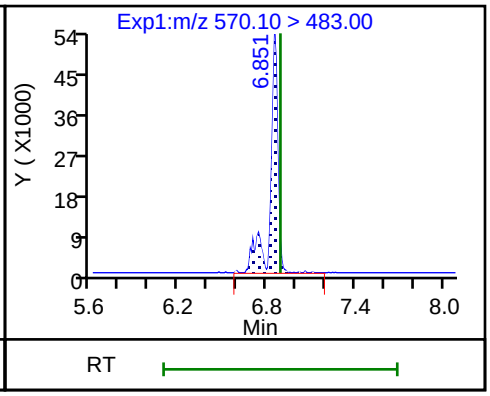
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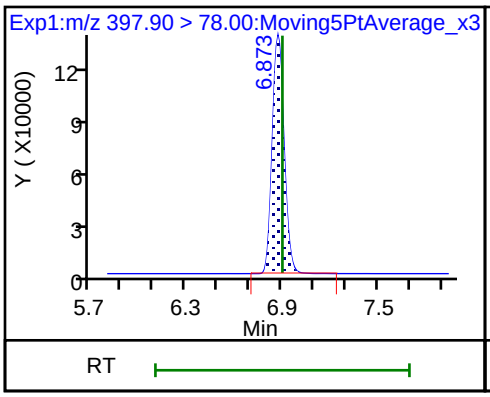
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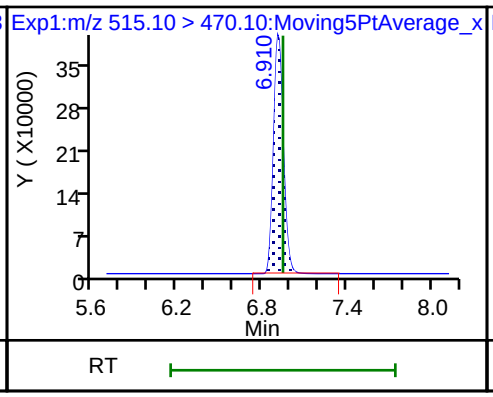
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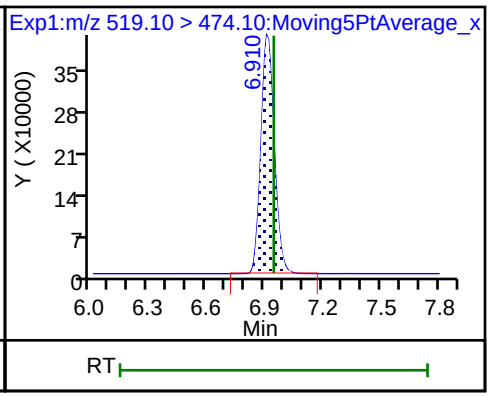
53 FHxSA



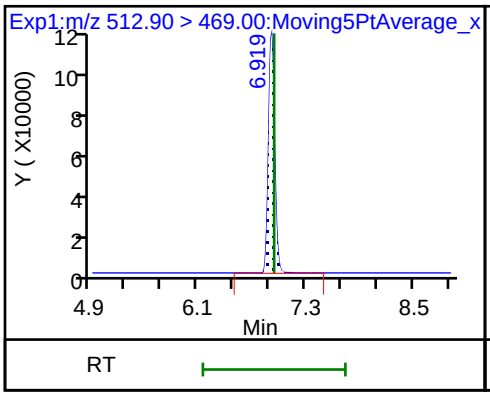
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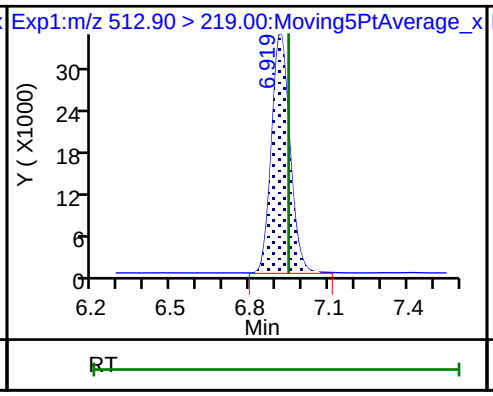
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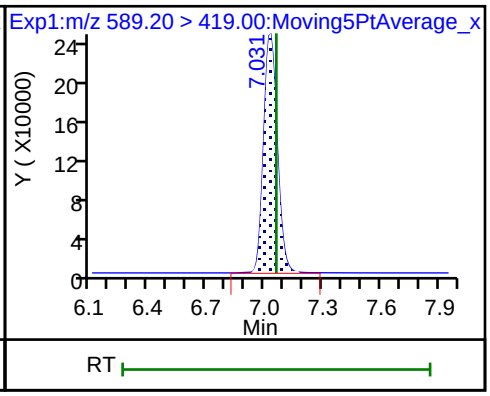
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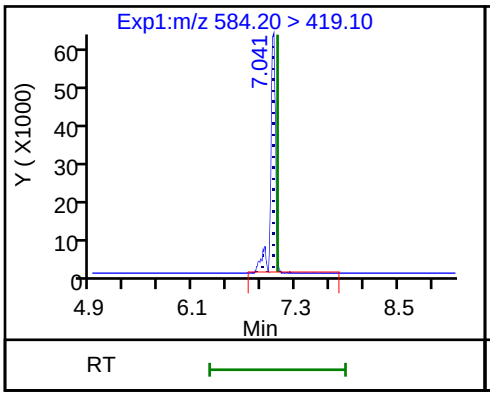
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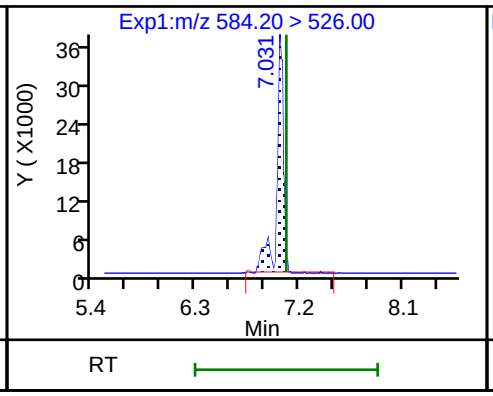
D 54 d5-NEtFOSAA



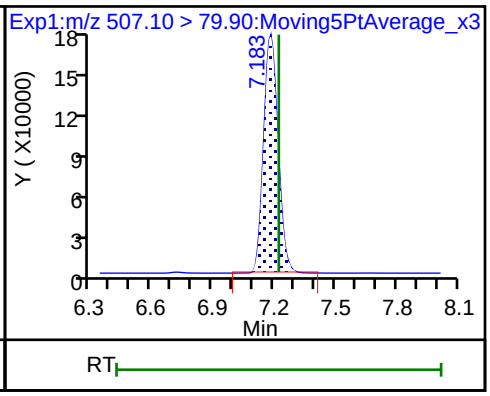
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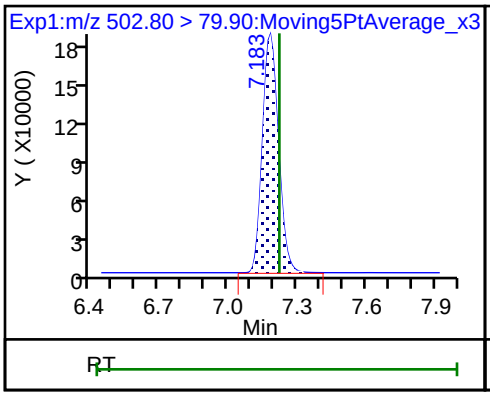
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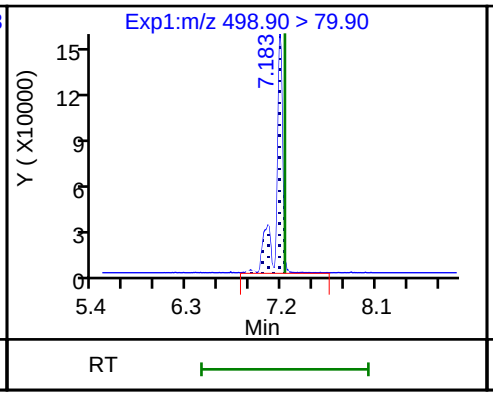
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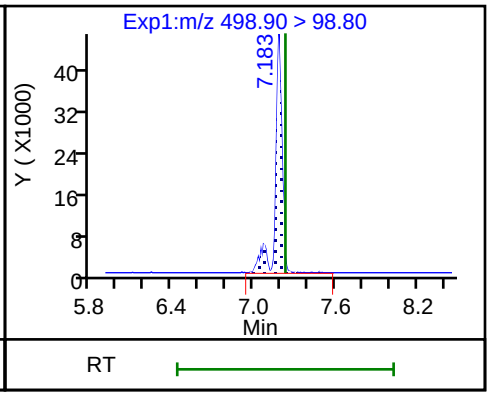
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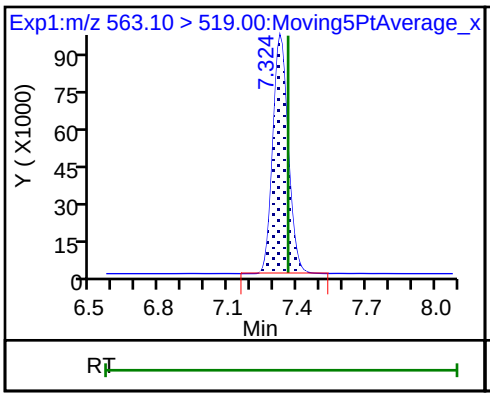
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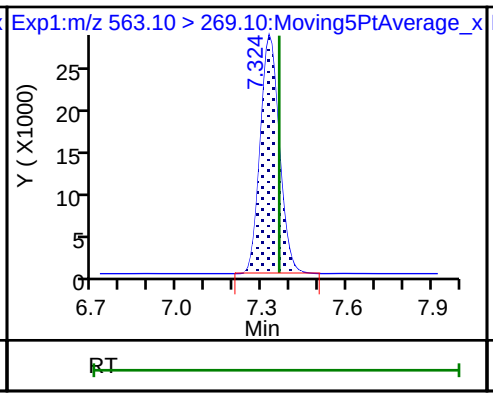
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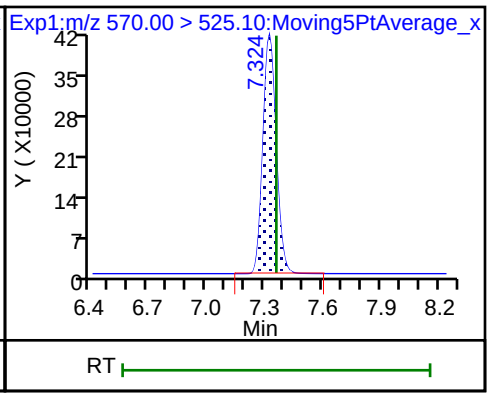
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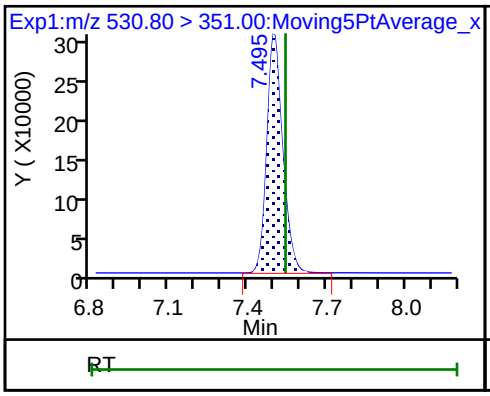
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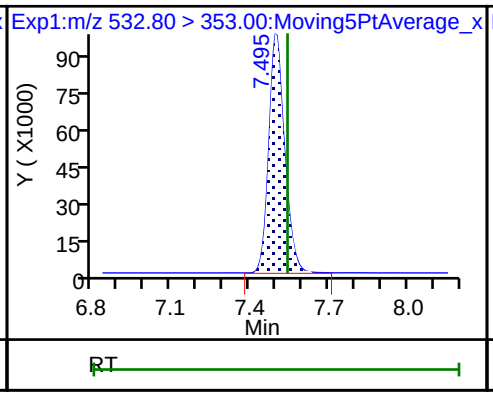
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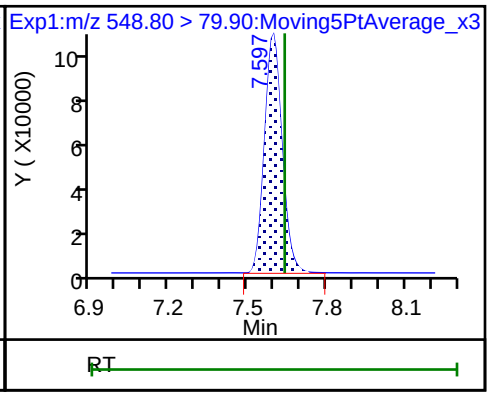
61 9ClFOS



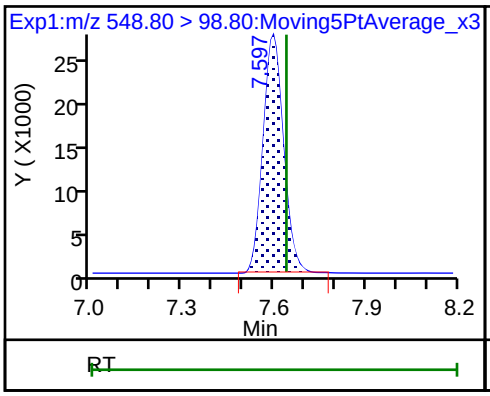
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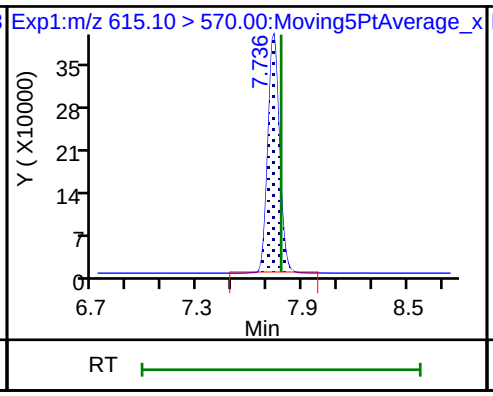
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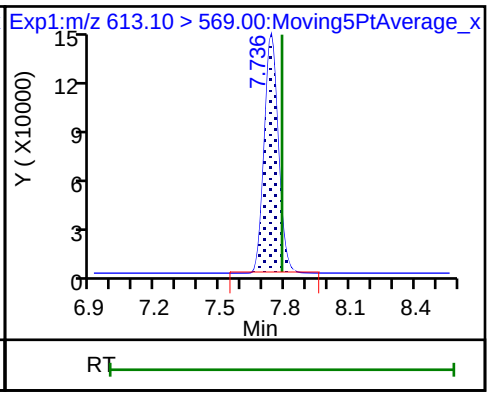
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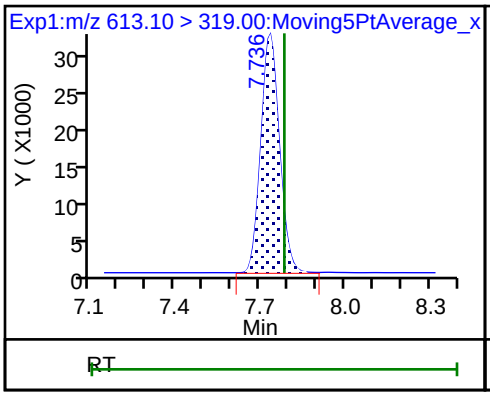
D 81 13C2 PFDoA



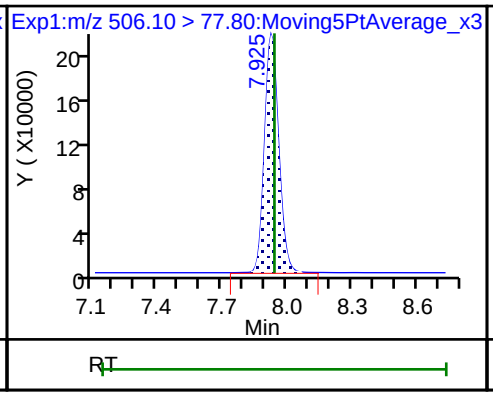
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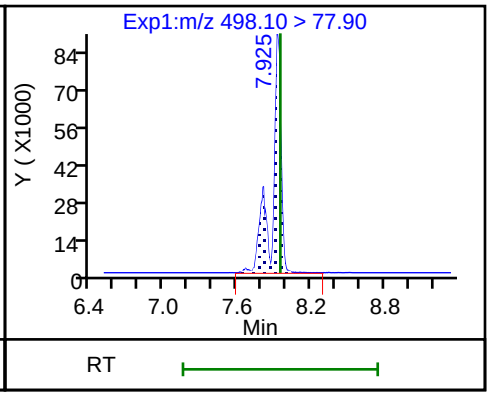
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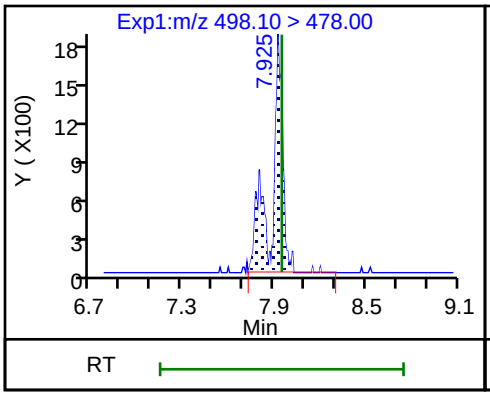
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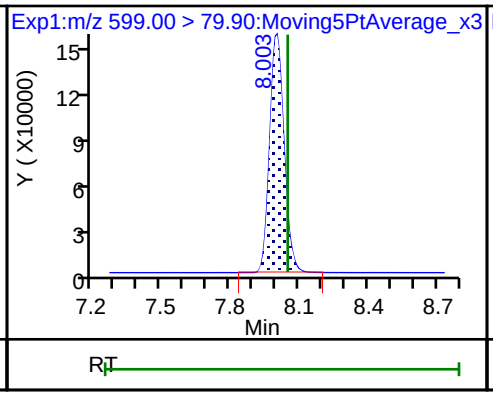
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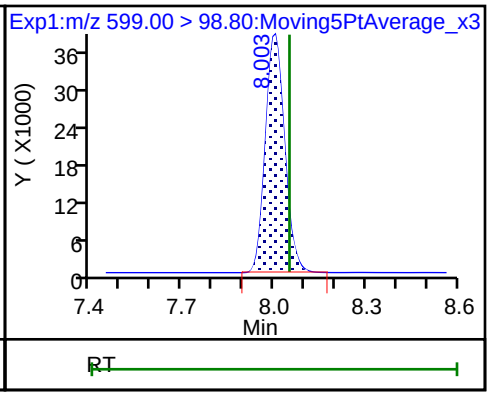
64 PFOSA



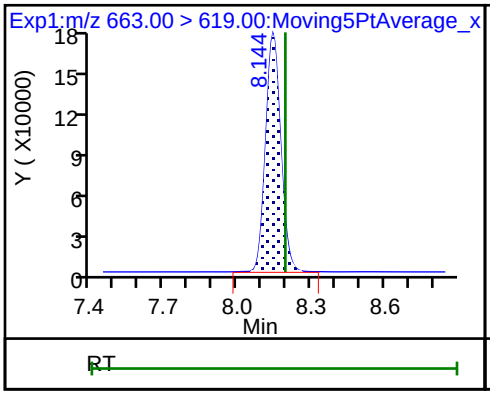
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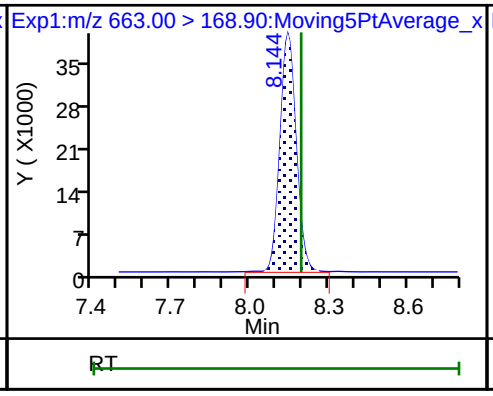
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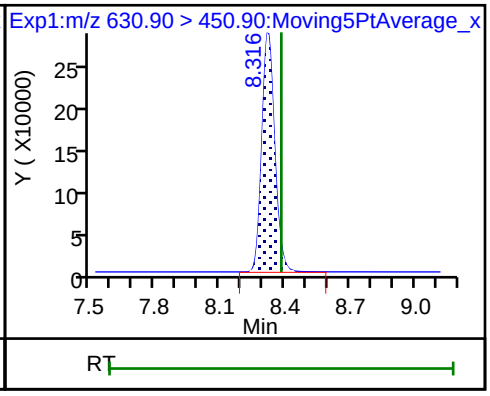
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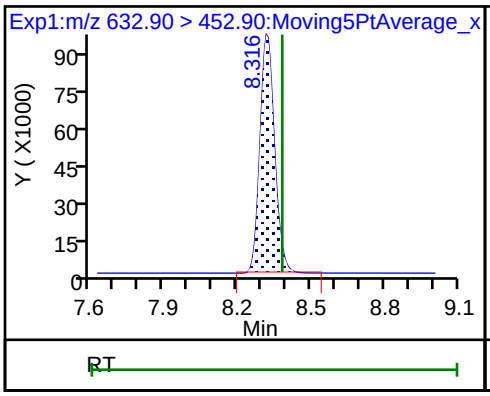
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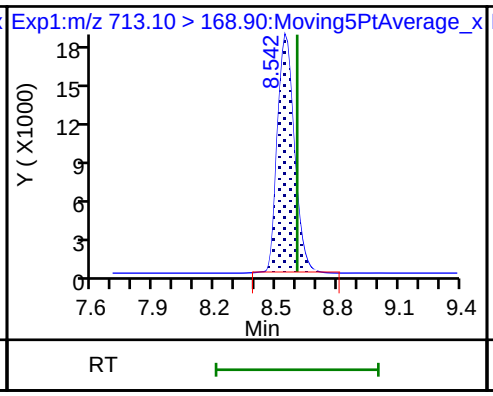
68 11ClFOS



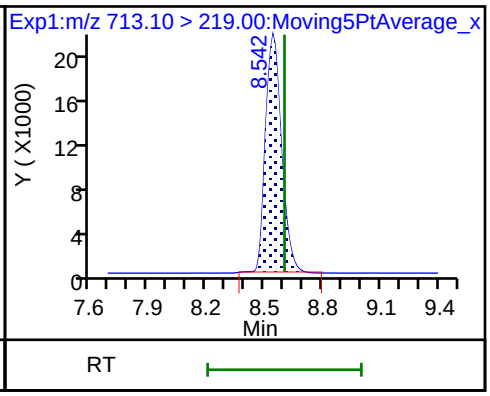
68 11ClFOS



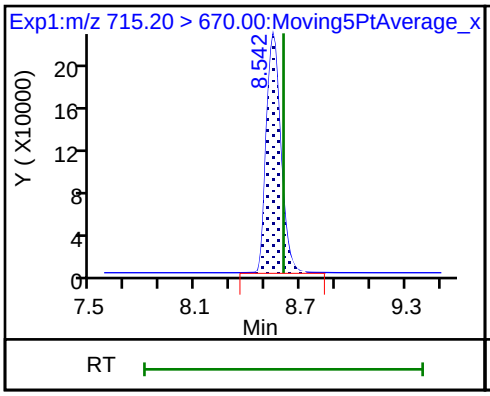
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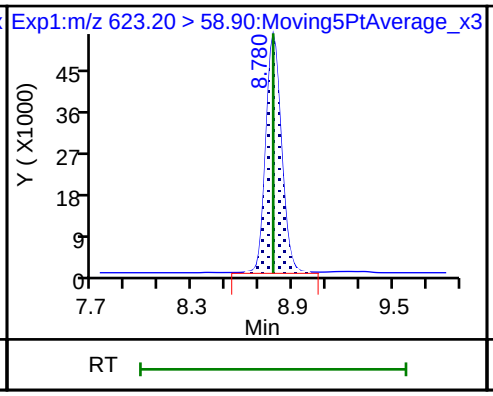
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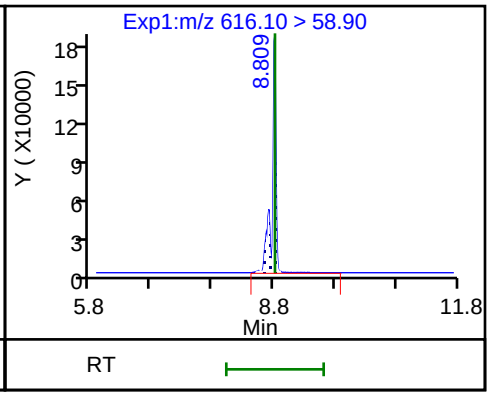
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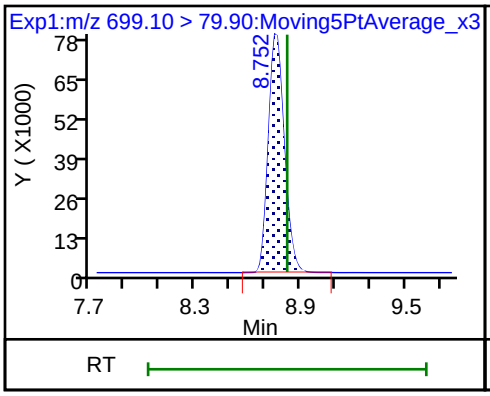
D 72 d7-N-Me-FOSE



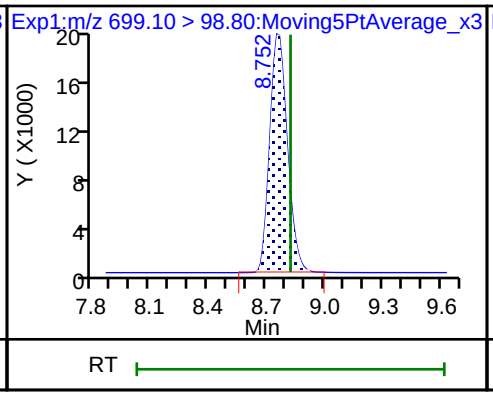
73 N-MeFOSE-M



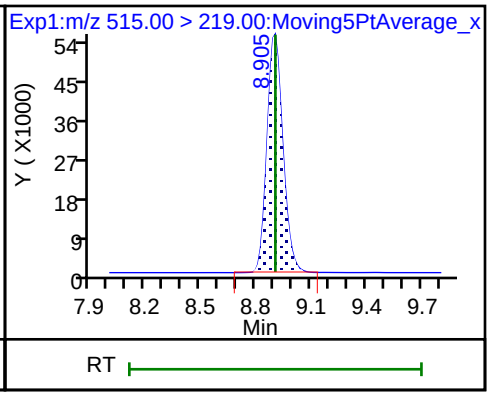
71 PFDoS



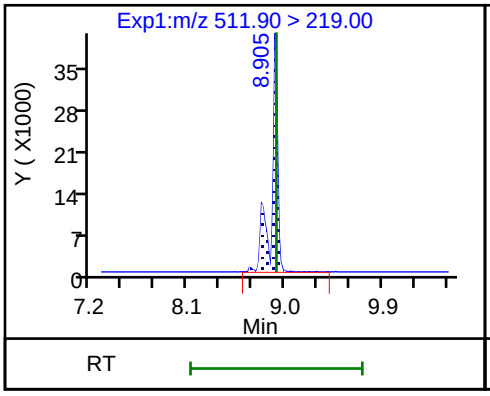
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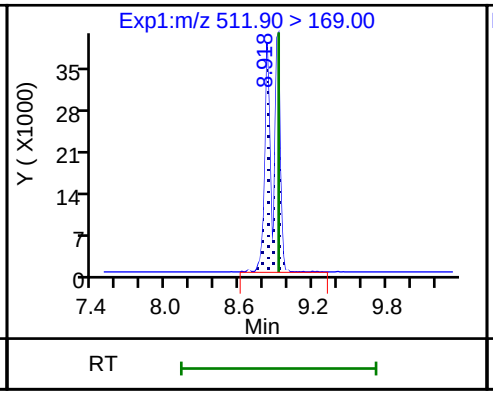
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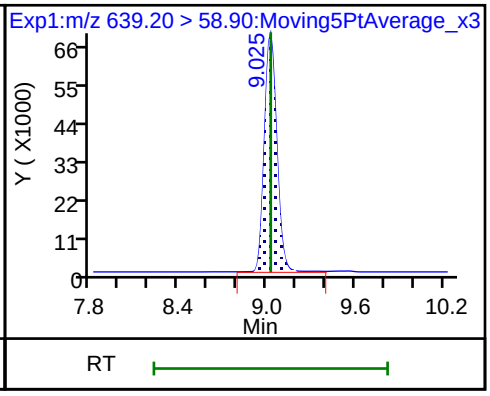
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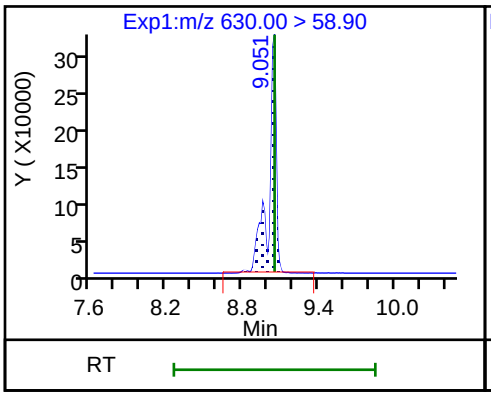
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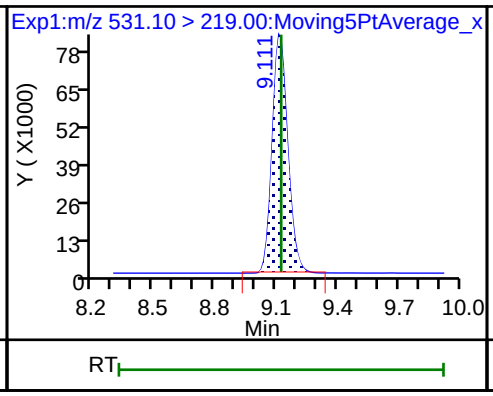
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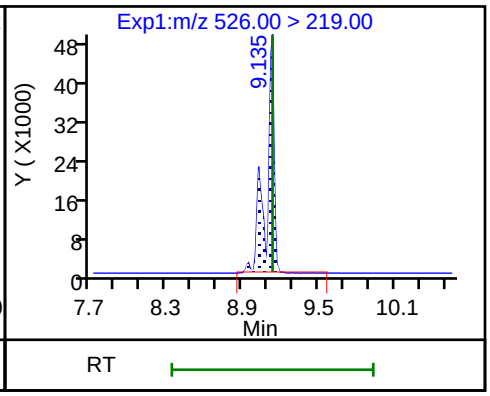
77 N-EtFOSE-M



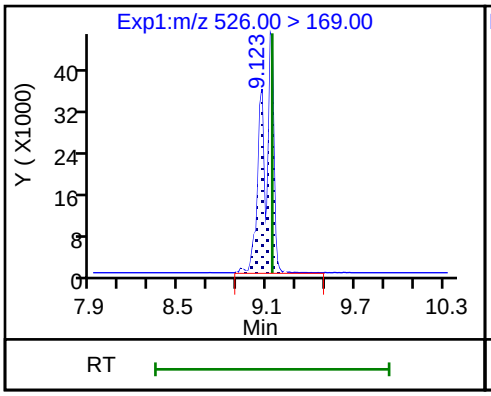
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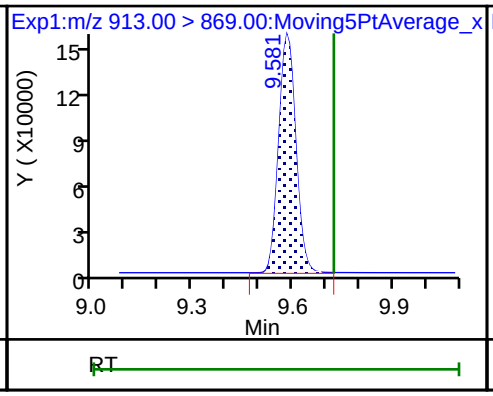
79 N-EtFOSA-M



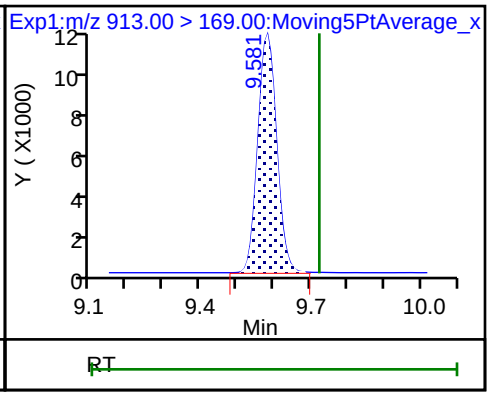
79 N-EtFOSA-M



80 Perfluorooctadecanoic acid



80 Perfluorooctadecanoic acid



FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: ICV 410-612155/10 Calibration Date: 03/03/2025 20:31

Instrument ID: 30729 Calib Start Date: 03/03/2025 18:24

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 03/03/2025 20:03

Lab File ID: 25MAR03-10.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoropropionic acid (PFPrA)	AveID	1.105	1.109		6.27	6.25	0.3	30.0
Perfluorobutanoic acid	AveID	1.005	0.997		2.48	2.50	-0.9	30.0
Perfluoro-3-methoxypropanoic acid	AveID	1.737	1.720		1.24	1.25	-1.0	30.0
3:3 FTCA	AveID	0.1000	0.0910		2.28	2.50	-9.0	30.0
Perfluoropentanoic acid	L2ID		1.681		1.30	1.25	4.3	30.0
Perfluoro(4-methoxybutanoic acid)	AveID	1.920	1.950		1.27	1.25	1.6	30.0
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	AveID	1.477	1.424		2.25	2.34	-3.6	30.0
Perfluoro-3,6-dioxaheptanoic acid	AveID	0.5869	0.5641		1.20	1.25	-3.9	30.0
Perfluorohexanoic acid	L2ID		0.8871		1.20	1.25	-3.8	30.0
5:3 FTCA	AveID	0.1788	0.1747		6.11	6.25	-2.3	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	0.998	1.034		1.30	1.25	3.6	30.0
Perfluorobutanesulfonic acid	L2ID		0.7308		1.19	1.11	6.9	30.0
HFPO-DA	AveID	1.074	1.022		0.892	0.938	-4.9	30.0
PFEESA	AveID	3.007	2.961		1.10	1.11	-1.5	30.0
Perfluoroheptanoic acid	L2ID		0.9621		1.32	1.25	5.7	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	2.558	2.442		1.13	1.18	-4.5	30.0
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	AveID	1.202	1.300		2.56	2.37	8.1	30.0
Perfluoropentanesulfonic acid	AveID	1.192	1.194		1.18	1.18	0.2	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	2.944	2.592		1.08	1.22	-11.9	30.0
Perfluorooctanoic acid	AveID	0.7474	0.6952		1.16	1.25	-7.0	30.0
7:3 FTCA	AveID	0.1796	0.1891		6.58	6.25	5.2	30.0
Perfluorohexanesulfonic acid	AveID	0.6725	0.6318		1.07	1.14	-6.1	30.0
Perfluorononanoic acid	L2ID		0.8281		1.21	1.25	-3.3	30.0
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	AveID	0.7471	0.6578		2.11	2.40	-12.0	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	1.408	1.332		1.18	1.25	-5.4	30.0
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)	L2ID		0.2961		1.25	1.16	8.4	30.0
Perfluoroheptanesulfonic acid	AveID	1.303	1.389		1.27	1.19	6.6	30.0
NMeFOSAA	AveID	1.191	1.250		1.31	1.25	4.9	30.0
Perfluorodecanoic acid	L2ID		0.7268		1.24	1.25	-0.8	30.0
NEtFOSAA	AveID	0.8731	0.9005		1.29	1.25	3.1	30.0
Perfluorooctanesulfonic acid	L2ID		1.528		1.18	1.16	1.9	30.0
Perfluoroundecanoic acid	L2ID		0.5402		1.25	1.25	0.2	30.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	AveID	1.446	1.429		1.15	1.17	-1.2	30.0
Perfluorononanesulfonic acid	AveID	1.238	1.226		1.19	1.20	-1.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: ICV 410-612155/10 Calibration Date: 03/03/2025 20:31

Instrument ID: 30729 Calib Start Date: 03/03/2025 18:24

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 03/03/2025 20:03

Lab File ID: 25MAR03-10.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorododecanoic acid	AveID	0.7862	0.8036		1.28	1.25	2.2	30.0
Perfluorooctanesulfonamide	AveID	0.9172	0.9573		1.30	1.25	4.4	30.0
Perfluorodecanesulfonic acid	AveID	1.347	1.326		1.19	1.21	-1.6	30.0
Perfluorotridecanoic acid	AveID	1.362	1.323		1.21	1.25	-2.9	30.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	AveID	1.495	1.364		1.08	1.18	-8.8	30.0
Perfluorotetradecanoic acid	L2ID		0.3427		1.29	1.25	3.5	30.0
Perfluorododecanesulfonic acid (PFDoS)	L2ID		1.965		1.21	1.21	0.1	30.0
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	AveID	2.647	2.671		6.31	6.25	0.9	30.0
NMeFOSA	AveID	1.070	1.096		1.28	1.25	2.5	30.0
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	AveID	3.124	2.955		5.91	6.25	-5.4	30.0
N-ethylperfluoro-1-octanesulfonamide	AveID	1.204	1.190		1.24	1.25	-1.1	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	2.111	2.068		1.22	1.25	-2.1	30.0
13C3 PFPrA	Ave	0.5590	0.5325		1.91	2.00	-4.7	30.0
13C4 PFBA	Ave	0.8838	0.8443		1.91	2.00	-4.5	30.0
13C5 PFPeA	Ave	0.7146	0.6710		1.88	2.00	-6.1	30.0
M2-4:2 FTS	Ave	0.1655	0.1557		4.41	4.69	-5.9	30.0
13C5 PFHxA	Ave	1.162	1.071		1.84	2.00	-7.9	30.0
13C3 PFBS	Ave	1.229	1.148		1.74	1.86	-6.6	30.0
13C3 HFPO-DA	Ave	1.136	1.075		1.89	2.00	-5.4	30.0
13C4 PFHpA	Ave	1.120	1.048		1.87	2.00	-6.4	30.0
M2-6:2 FTS	Ave	0.1633	0.1512		4.41	4.76	-7.4	30.0
13C8 PFOA	Ave	0.9639	0.9562		1.98	2.00	-0.8	30.0
13C3 PFHxS	Ave	0.9789	0.9144		1.77	1.90	-6.6	30.0
13C9 PFNA	Ave	0.9802	0.9817		2.00	2.00	0.2	30.0
M2-8:2 FTS	Ave	0.1754	0.1763		4.83	4.80	0.5	30.0
d3-NMeFOSAA	Ave	0.2581	0.2318		4.49	5.00	-10.2	30.0
13C6 PFDA	Ave	1.028	1.009		1.96	2.00	-1.8	30.0
d5-NEtFOSAA	Ave	0.2260	0.2151		4.76	5.00	-4.8	30.0
13C8 PFOS	Ave	0.9151	0.8188		1.71	1.92	-10.5	30.0
13C7 PFUnA	Ave	0.8165	0.7399		1.81	2.00	-9.4	30.0
13C2 PFDoA	Ave	0.5968	0.5012		1.68	2.00	-16.0	30.0
13C8 FOSA	Ave	1.519	1.366		1.80	2.00	-10.1	30.0
13C2 PFTeDA	Ave	0.5332	0.4532		1.70	2.00	-15.0	30.0
d7-N-MeFOSE-M	Ave	0.2547	0.2274		4.46	5.00	-10.7	30.0
d3-NMePFOSA	Ave	0.4706	0.4136		1.76	2.00	-12.1	30.0
d9-N-EtFOSE-M	Ave	0.3106	0.2949		4.75	5.00	-5.1	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: ICV 410-612155/10 Calibration Date: 03/03/2025 20:31

Instrument ID: 30729 Calib Start Date: 03/03/2025 18:24

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 03/03/2025 20:03

Lab File ID: 25MAR03-10.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d5-NEtPFOSA	Ave	0.5230	0.4829		1.85	2.00	-7.7	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-10.d
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 03-Mar-2025 20:31:54 ALS Bottle#: 1 Worklist Smp#: 10
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: Plate: 1 Rack: 1 410-0139703-010
Operator ID: ETUS023_USR_INS00054 Instrument ID: 30729
Sublist:

Method: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\30729_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 06-Mar-2025 13:10:16 Calib Date: 03-Mar-2025 20:03:32
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-08.d

Column 1 : Det: EXP1
Process Host: CTX1635

First Level Reviewer: LDU5 Date: 04-Mar-2025 18:11:57
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
1 Perfluoropropionic acid										M
163.00 > 119.00	1.868	1.885	-0.017	1.000	1415043	6.27			6720	M
D 2 13C3PFPrA										
166.00 > 121.00	1.868	1.885	-0.017	0.421	408458	1.91		95.3	149	
5 PFBA										
212.80 > 168.90	4.443	4.443	0.0	1.000	806887	2.48			11451	
D 3 13C4-PFBA										
216.80 > 171.90	4.443	4.443	0.0	1.000	647580	1.91		95.5	20938	
* 4 13C3PFBA										
216.00 > 172.00	4.443	4.443	0.0		767012	2.00			124	
6 PFMPA										
229.00 > 84.90	4.778	4.776	0.002	0.930	552315	1.24			22843	
7 3:3 FTCA										
241.00 > 177.00	4.789	4.787	0.002	0.932	58474	2.28	Target=1.07		3667	
241.00 > 117.00	4.789	4.787	0.002	0.932	55960		1.04(0.53-1.60)		3521	
D 9 13C5 PFPeA										
268.30 > 223.00	5.136	5.132	0.004	0.906	513915	1.88		93.9	31378	
10 PFPA										
263.00 > 219.00	5.147	5.143	0.004	1.002	539830	1.30			24695	
11 PFMBA										
279.00 > 85.10	5.325	5.320	0.005	1.037	626473	1.27			38413	
D 12 13C2-4:2FTS										
329.10 > 80.90	5.473	5.469	0.004	0.805	280192	4.41		94.1	12648	
13 4:2FTS										
327.10 > 307.00	5.473	5.469	0.004	1.000	198600	2.25	Target=1.39		11960	
327.10 > 80.90	5.473	5.469	0.004	1.000	152691		1.30(0.69-2.08)		8953	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
15 NFDHA										
295.00 > 201.00	5.635	5.630	0.005	0.994	289077	1.20	Target=1.25		17260	
295.00 > 84.90	5.624	5.630	-0.006	0.992	241956		1.19(0.63-1.88)		14429	
D 16 13C5 PFHxA										
318.00 > 273.00	5.671	5.677	-0.006	1.000	819981	1.84		92.1	49094	
* 17 13C2 PFHxA										
315.10 > 270.00	5.671	5.677	-0.006		1914814	5.00			115126	
18 PFHxA										
313.00 > 269.00	5.671	5.677	-0.006	1.000	454641	1.20	Target=10.83		20362	
313.00 > 118.90	5.671	5.677	-0.006	1.000	42431		10.71(5.41-16.24)		2537	
20 5:3 FTCA										
341.00 > 237.10	5.756	5.751	0.005	1.015	447712	6.11	Target=0.92		25148	
341.00 > 217.00	5.756	5.751	0.005	1.015	482948		0.93(0.46-1.37)		27218	
14 FBSA										
297.90 > 78.00	5.770	5.764	0.006	0.993	569302	1.30			154810	
21 PFBS										
298.70 > 79.90	5.812	5.820	-0.008	1.000	357339	1.19	Target=2.85		17673	
298.70 > 98.80	5.812	5.820	-0.008	1.000	119441		2.99(1.43-4.28)		5985	
D 19 13C3 PFBS										
302.10 > 79.90	5.812	5.820	-0.008	0.854	821101	1.74		93.4	41181	
22 HFPO-DA										
284.90 > 168.90	5.881	5.875	0.006	1.000	394357	0.8915	Target=2.51		15887	
284.90 > 184.90	5.881	5.875	0.006	1.000	158850		2.48(1.25-3.76)		8409	
D 23 13C3 HFPO-DA										
286.90 > 168.90	5.881	5.875	0.006	1.037	823456	1.89		94.6	43698	
25 PFEESA										
314.80 > 134.90	6.077	6.071	0.006	1.072	1350708	1.10	Target=10.92		70828	
314.80 > 82.90	6.077	6.071	0.006	1.072	114722		11.77(5.46-16.39)		5995	
D 27 13C4 PFHpA										
367.10 > 322.00	6.130	6.124	0.006	1.081	803055	1.87		93.6	46816	
28 PFHpA										
363.10 > 319.00	6.130	6.124	0.006	1.000	482892	1.32	Target=2.23		21060	
363.10 > 169.00	6.130	6.124	0.006	1.000	223164		2.16(1.12-3.35)		12916	
29 ADONA										
376.90 > 250.90	6.294	6.299	-0.005	1.070	1188790	1.13	Target=1.60		2736	
376.90 > 84.80	6.294	6.299	-0.005	1.070	737293		1.61(0.80-2.40)		36494	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.335	6.341	-0.006	0.931	276151	4.41		92.6	18426	
30 PFPeS										
349.10 > 79.90	6.335	6.341	-0.006	0.931	492172	1.18	Target=3.47		31180	
349.10 > 98.90	6.335	6.341	-0.006	0.931	141274		3.48(1.73-5.20)		8958	
32 6:2FTS										
427.10 > 407.00	6.335	6.341	-0.006	1.000	178677	2.56	Target=1.13		12065	
427.10 > 80.90	6.335	6.341	-0.006	1.000	158100		1.13(0.56-1.69)		10499	
33 BTS										
280.00 > 147.00	6.512	6.528	-0.016	0.957	1112918	1.08			45979	
D 34 13C8 PFOA										
421.10 > 376.00	6.562	6.568	-0.006	1.000	848112	1.98		99.2	58158	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 40 13C4 PFOA										
417.10 > 372.00	6.562	6.568	-0.006		2217491	5.00			114780	
35 PFOA										
413.00 > 369.00	6.562	6.568	-0.006	1.000	368508	1.16	Target=1.69		1175	
413.00 > 169.00	6.562	6.568	-0.006	1.000	240562		1.53(0.85-2.54)		1032	
36 7:3 FTCA										
441.00 > 316.90	6.609	6.616	-0.007	1.166	484459	6.58	Target=0.93		31038	
441.00 > 336.90	6.609	6.616	-0.007	1.166	527725		0.92(0.46-1.39)		25496	
* 38 18O2 PFHxS										
403.00 > 83.90	6.801	6.810	-0.009		725883	1.89			42517	
D 37 13C3 PFHxS										
402.10 > 79.90	6.801	6.810	-0.009	1.000	665176	1.77		93.4	38600	
39 PFHxS										
398.70 > 79.90	6.813	6.821	-0.008	1.002	252680	1.07	Target=3.39		1136	
398.70 > 98.90	6.813	6.821	-0.008	1.002	72965		3.46(1.70-5.09)		18164	
D 41 13C9 PFNA										
472.10 > 427.00	6.982	6.990	-0.008	1.000	700489	2.00		100	40853	
* 42 13C5 PFNA										
468.00 > 423.00	6.982	6.990	-0.008		713511	2.00			31121	
43 PFNA										
463.00 > 419.00	6.994	7.002	-0.008	1.002	362557	1.21	Target=2.10		2730	
463.00 > 219.00	6.994	7.002	-0.008	1.002	166346		2.18(1.05-3.15)		1441	
D 45 13C2-8:2FTS										
529.10 > 80.90	7.174	7.182	-0.008	1.055	324720	4.83		101	19348	
46 8:2FTS										
527.10 > 507.00	7.174	7.182	-0.008	1.000	106573	2.11	Target=0.72		6359	
527.10 > 80.80	7.174	7.182	-0.008	1.000	149336		0.71(0.36-1.07)		8868	
48 FHxSA										
397.90 > 78.00	7.209	7.193	0.016	1.060	584041	1.18			24083	
44 PFECHS										
461.00 > 381.00	7.233	7.229	0.004	1.063	119978	1.25	Target=0.22		260	
461.00 > 99.00	7.233	7.229	0.004	1.063	529134		0.23(0.11-0.33)		809	
47 PFHpS										
449.00 > 79.90	7.257	7.265	-0.008	0.941	511451	1.27	Target=3.56		28522	
449.00 > 98.80	7.257	7.265	-0.008	0.941	138843		3.68(1.78-5.34)		7679	
D 49 d3-NMeFOSAA										
573.20 > 419.00	7.337	7.346	-0.009	0.952	436978	4.49		89.8	23494	
50 NMeFOSAA										
570.10 > 419.00	7.350	7.360	-0.010	1.002	136522	1.31	Target=1.90		724	
570.10 > 483.00	7.350	7.360	-0.010	1.002	60193		2.27(0.95-2.86)		12888	
* 51 13C2 PFDA										
515.10 > 470.10	7.419	7.428	-0.009		729667	2.00			38903	
D 52 13C6 PFDA										
519.10 > 474.10	7.419	7.428	-0.009	1.000	736543	1.96		98.2	39409	
53 PFDA										
512.90 > 469.00	7.419	7.428	-0.009	1.000	334577	1.24	Target=3.00		17903	
512.90 > 219.00	7.419	7.428	-0.009	1.000	107905		3.10(1.50-4.50)		5714	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.529	7.538	-0.009	0.977	405449	4.76		95.2	21947	
55 NEtFOSAA										
584.20 > 419.10	7.542	7.551	-0.009	1.002	91272	1.29	Target=2.01		134	
584.20 > 526.00	7.556	7.551	0.005	1.004	42464		2.15(1.01-3.02)		233	
* 57 13C4 PFOS										
502.80 > 79.90	7.708	7.717	-0.008		720924	1.91			42744	
D 56 13C8 PFOS										
507.10 > 79.90	7.708	7.717	-0.008	1.000	590304	1.71		89.5	13075	
58 PFOS										
498.90 > 79.90	7.720	7.729	-0.009	1.002	548417	1.18	Target=4.52		1068	
498.90 > 98.80	7.720	7.729	-0.009	1.002	120585		4.55(2.26-6.78)		352	
D 59 13C7 PFUnA										
570.00 > 525.10	7.851	7.869	-0.018	1.058	539853	1.81		90.6	35590	
60 PFUnA										
563.10 > 519.00	7.851	7.869	-0.018	1.000	182256	1.25	Target=2.41		12005	
563.10 > 269.10	7.851	7.869	-0.018	1.000	69344		2.63(1.20-3.61)		4575	
61 9ClFOS										
530.80 > 351.00	8.028	8.045	-0.017	1.365	686814	1.15	Target=3.28		47603	
532.80 > 353.00	8.028	8.045	-0.017	1.365	224535		3.06(1.64-4.92)		15413	
62 PFNS										
548.80 > 79.90	8.117	8.135	-0.018	1.053	455034	1.19	Target=3.47		30278	
548.80 > 98.80	8.117	8.135	-0.018	1.053	133085		3.42(1.74-5.21)		8761	
64 PFDoA										
613.10 > 569.00	8.258	8.271	-0.013		183686	1.28	Target=2.89		9850	
613.10 > 319.00	8.258	8.271	-0.013		68664		2.68(1.45-4.34)		3738	
D 63 PFDoA										
615.10 > 570.00	8.243	8.271	-0.028	1.111	365732	1.68		84.0	19507	
D 66 13C8 FOSA										
506.10 > 77.80	8.356	8.354	0.002	1.084	1029853	1.80		89.9	38241	
65 PFOSA										
498.10 > 77.90	8.371	8.369	0.002	1.002	616148	1.30	Target=73.95		3098	
498.10 > 478.00	8.371	8.369	0.002	1.002	8792		70.08(36.97-110.92)		58.9	
67 PFDS										
599.00 > 79.90	8.491	8.519	-0.028	1.102	493178	1.19	Target=3.95		24814	
599.00 > 98.80	8.491	8.519	-0.028	1.102	128745		3.83(1.98-5.93)		6570	
68 PFTrDA										
663.00 > 619.00	8.614	8.641	-0.027	0.963	287852	1.21	Target=3.51		14398	
663.00 > 168.90	8.630	8.641	-0.011	0.965	82139		3.50(1.75-5.26)		4084	
69 11ClFOS										
630.90 > 450.90	8.769	8.795	-0.026	1.491	662643	1.08	Target=3.05		34942	
632.90 > 452.90	8.769	8.795	-0.026	1.491	211092		3.14(1.52-4.57)		11155	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.946	8.972	-0.026	1.206	330671	1.70		85.0	17291	
71 PFTeDA										
713.10 > 168.90	8.946	8.972	-0.026	1.000	70832	1.29	Target=1.07		3657	
713.10 > 219.00	8.961	8.972	-0.011	1.002	65863		1.08(0.54-1.61)		325	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
72 PFDoS										
699.10 > 79.90	9.117	9.142	-0.025	1.183	735676	1.21	Target=4.48		40828	
699.10 > 98.80	9.117	9.142	-0.025	1.183	152554		4.82(2.24-6.72)		8447	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.145	9.142	0.003	1.186	428780	4.46		89.3	7087	
74 N-MeFOSE-M										
616.10 > 58.90	9.159	9.156	0.003	1.002	1431557	6.31			3694	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.226	9.224	0.002	1.197	311891	1.76		87.9	9098	
76 NMeFOSA										
511.90 > 219.00	9.239	9.237	0.002	1.001	213739	1.28	Target=0.69		1023	
511.90 > 169.00	9.239	9.237	0.002	1.001	306066		0.70(0.35-1.04)		71829	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.330	9.327	0.003	1.210	556006	4.75		94.9	8527	
78 N-EtFOSE-M										
630.00 > 58.90	9.342	9.339	0.003	1.001	2053415	5.91			7458	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.401	9.398	0.003	1.220	364163	1.85		92.3	18080	
80 N-EtFOSA-M										
526.00 > 219.00	9.412	9.409	0.003	1.001	270960	1.24	Target=0.75		85731	
526.00 > 169.00	9.412	9.409	0.003	1.001	344952		0.79(0.37-1.12)		84405	
81 Perfluorooctadecanoic acid										
913.00 > 869.00	9.799	9.847	-0.048	1.095	427293	1.22	Target=2.09		21371	
913.00 > 169.00	9.799	9.847	-0.048	1.095	196773		2.17(1.04-3.13)		12167	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_ICV_00015 Amount Added: 1.00 Units: mL

Report Date: 06-Mar-2025 13:10:18 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-10.d

Injection Date: 03-Mar-2025 20:31:54 Instrument ID: 30729

Lims ID: ICV

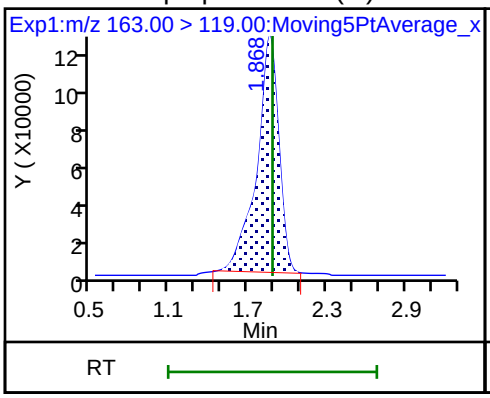
Client ID:

Operator ID: ETUS023_USR_INS00054 ALS Bottle#: 1 Worklist Smp#: 10

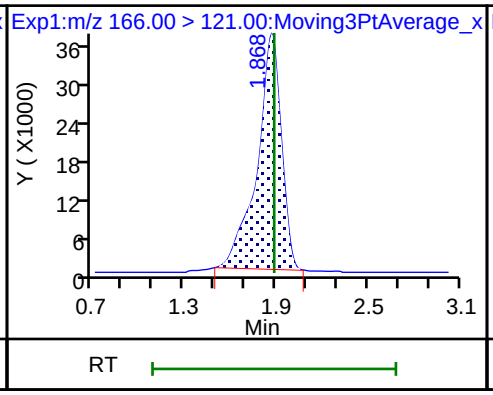
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Method: 30729_1633Final Limit Group: LC - 1633 LVI- ICAL

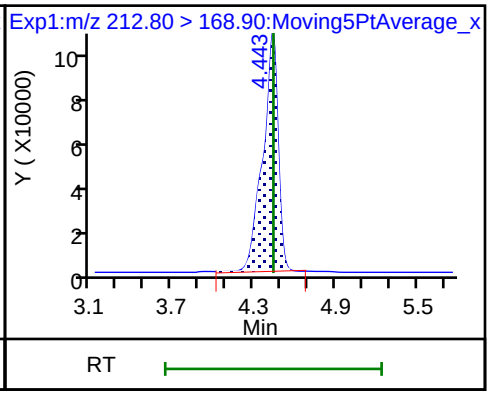
1 Perfluoropropionic acid (M)



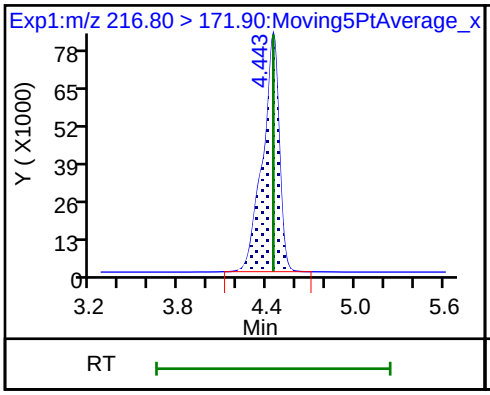
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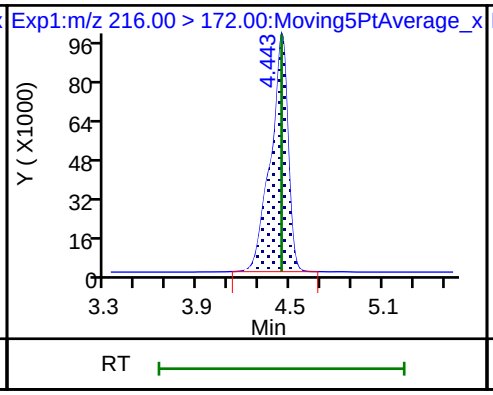
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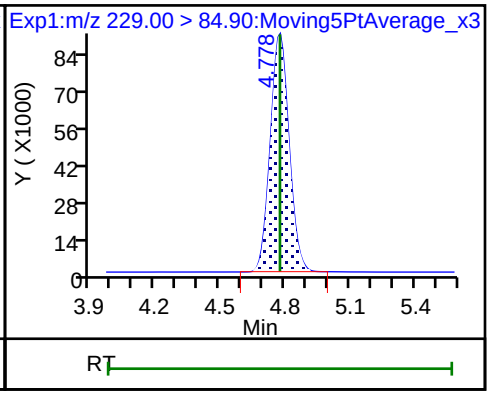
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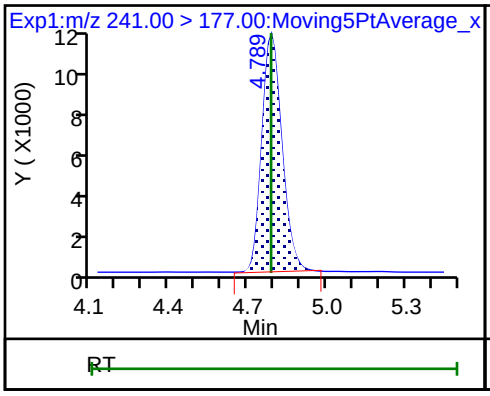
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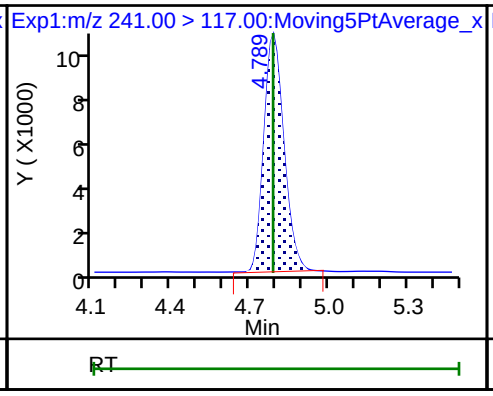
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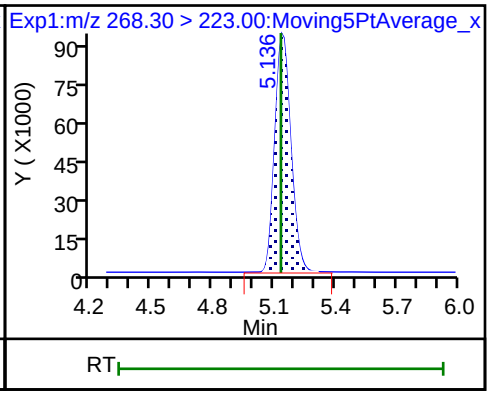
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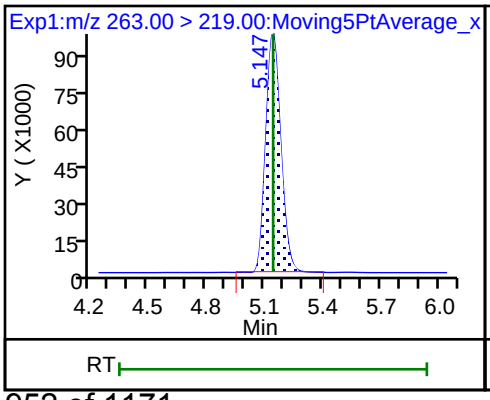
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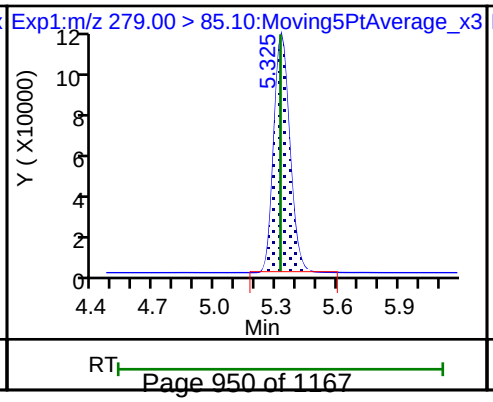
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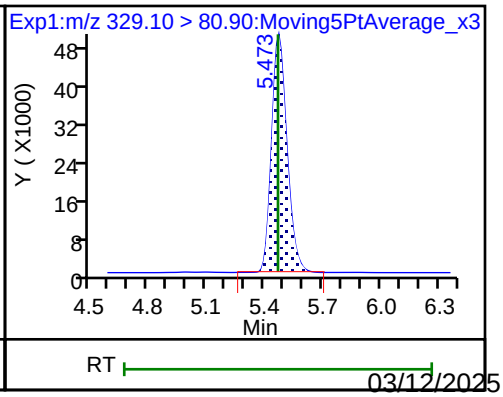
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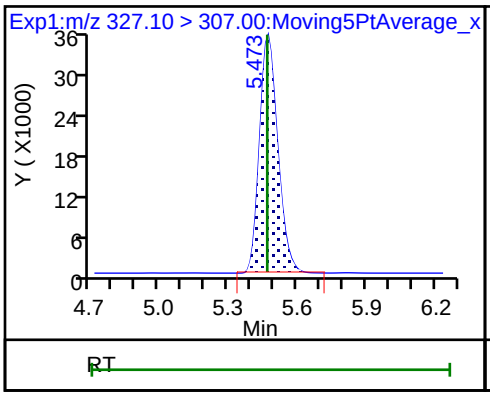
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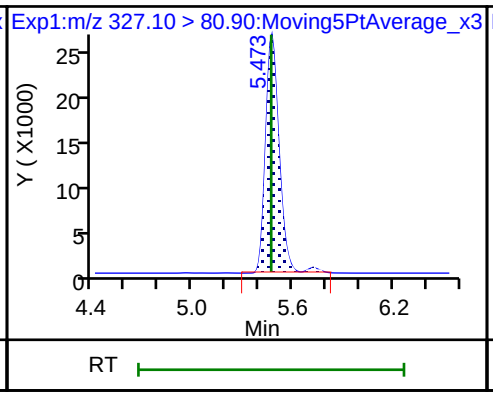
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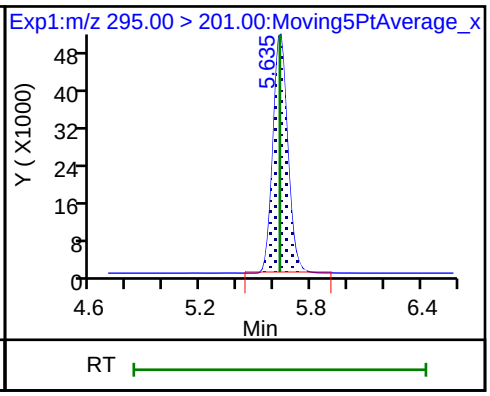
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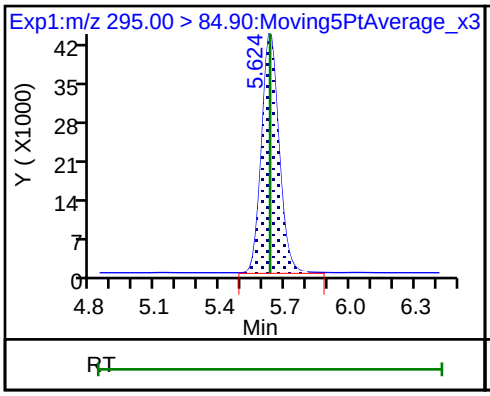
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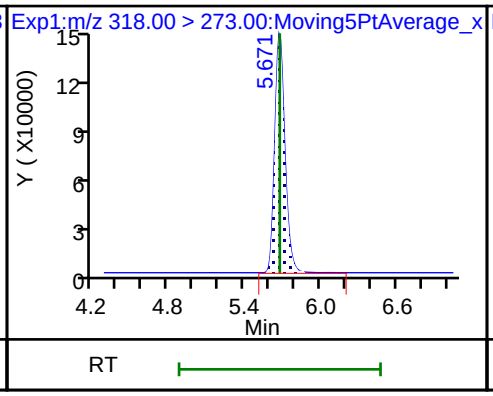
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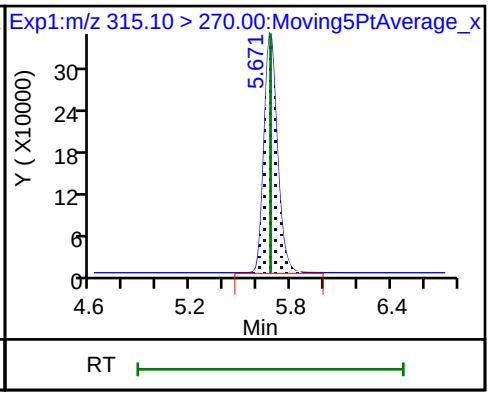
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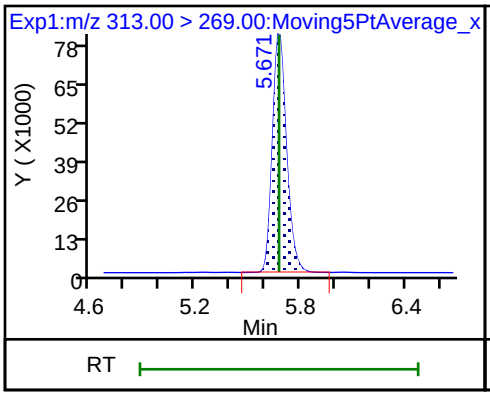
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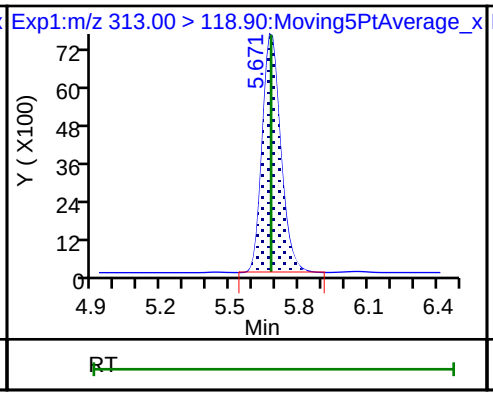
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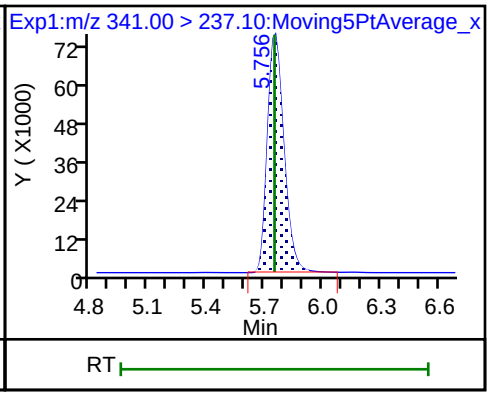
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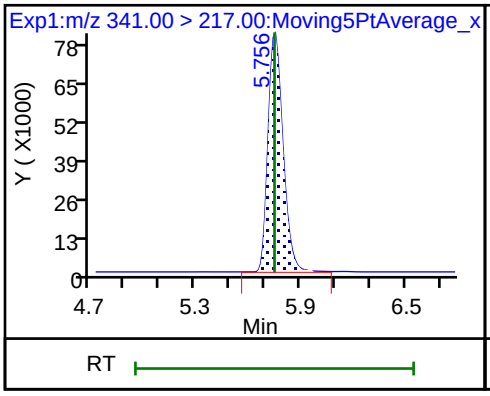
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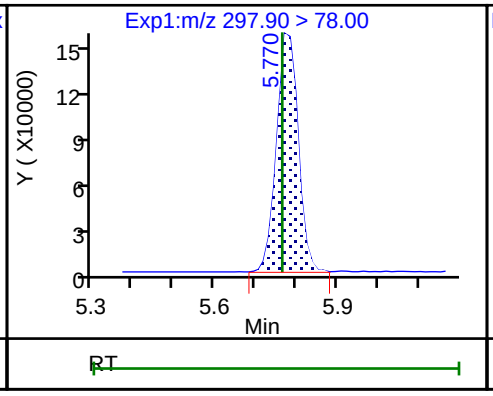
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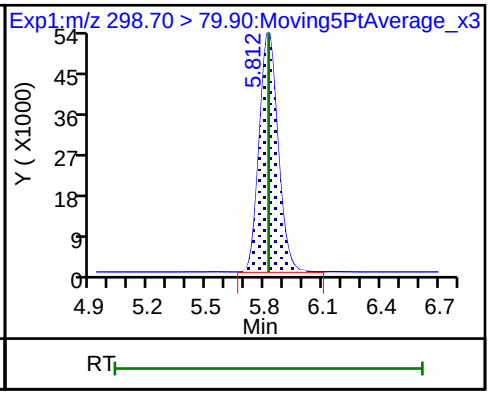
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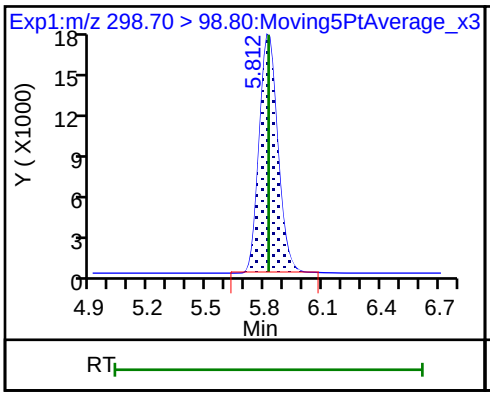
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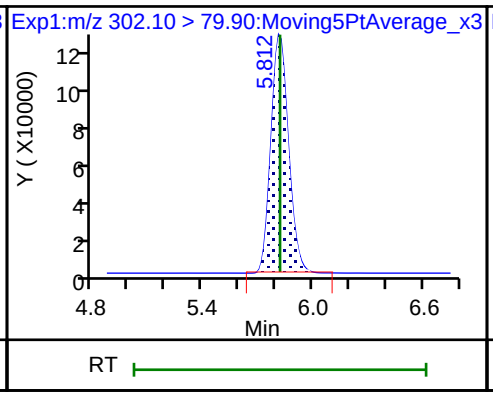
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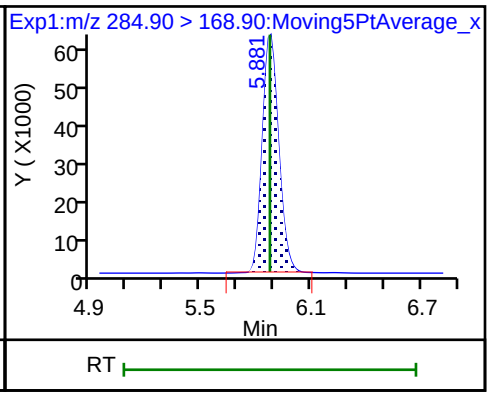
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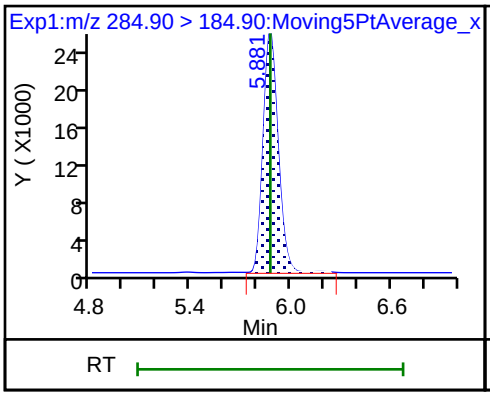
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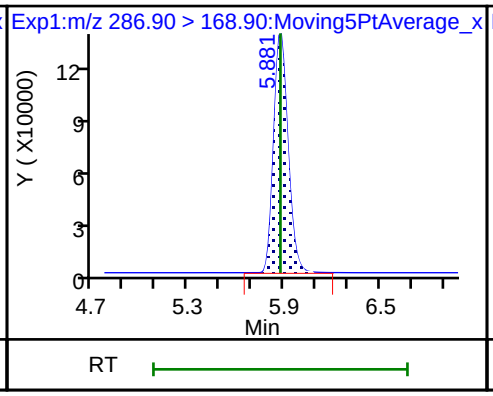
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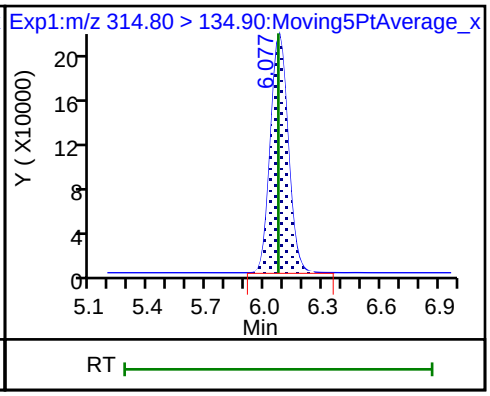
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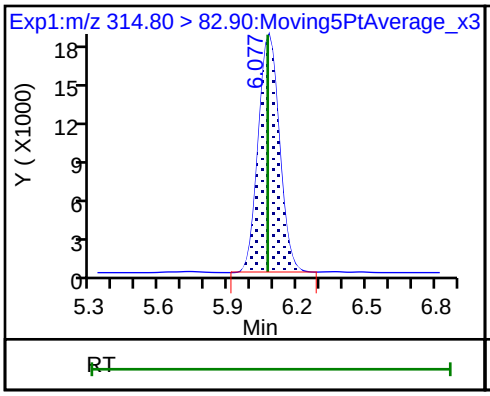
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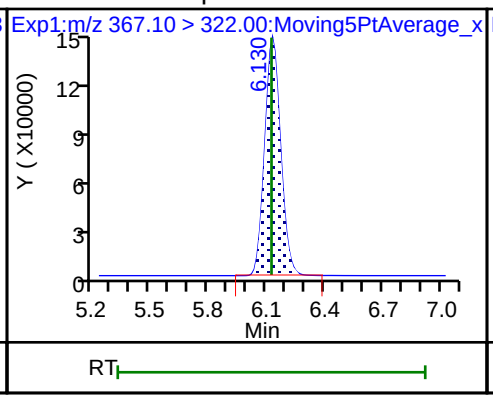
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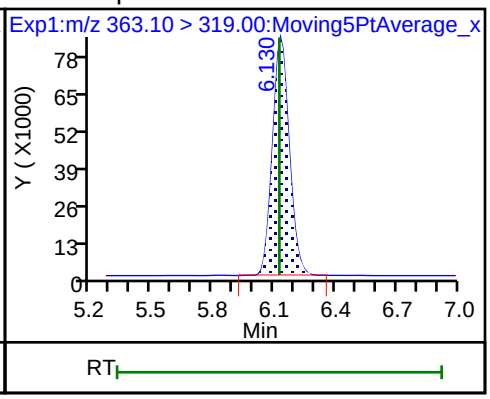
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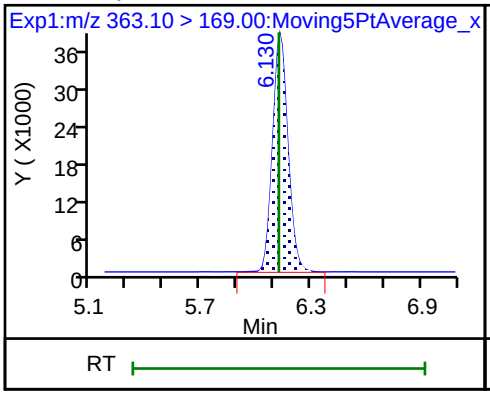
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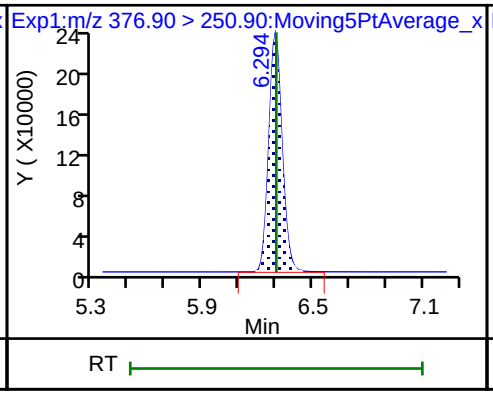
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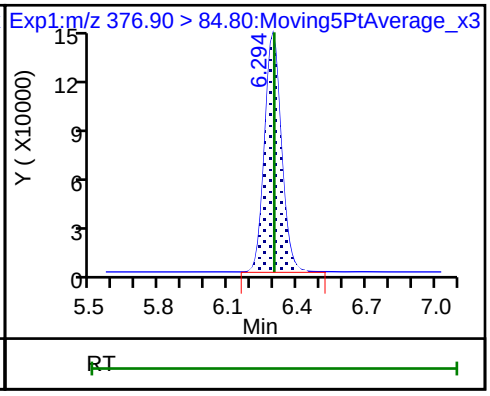
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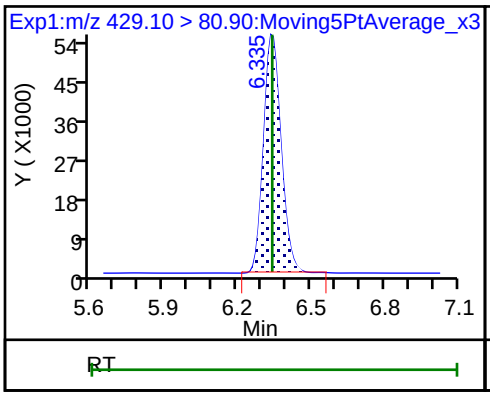
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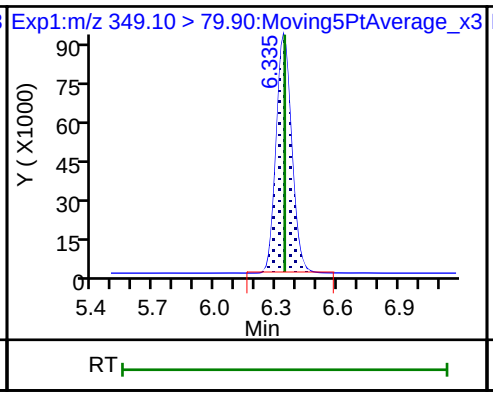
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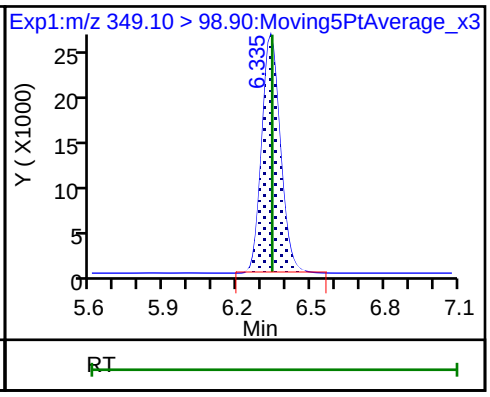
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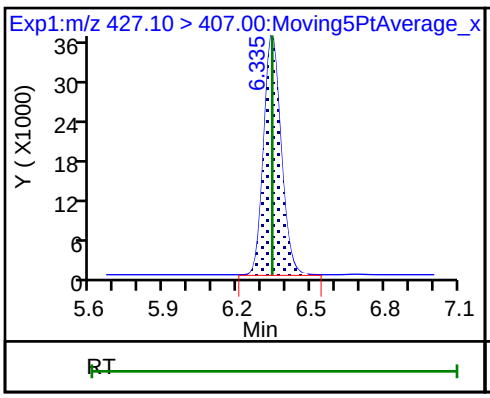
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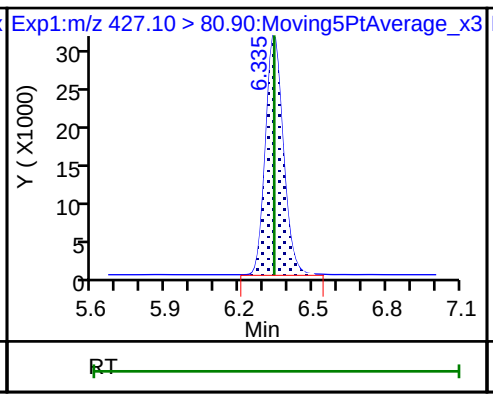
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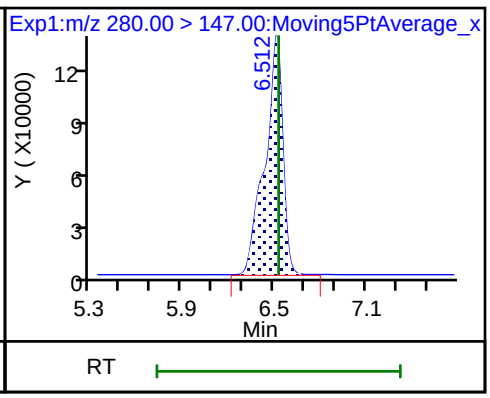
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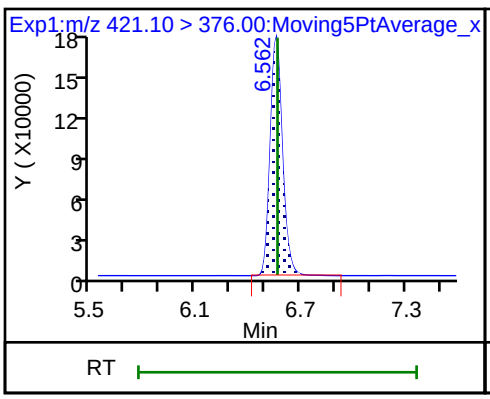
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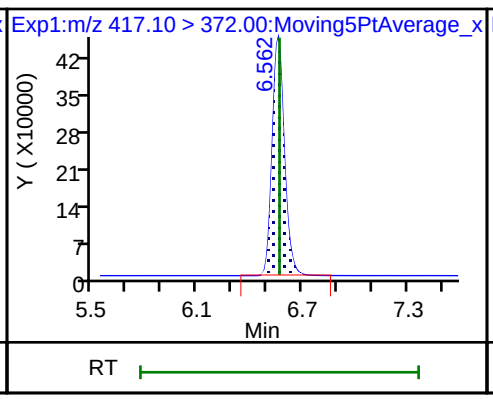
33 BTS



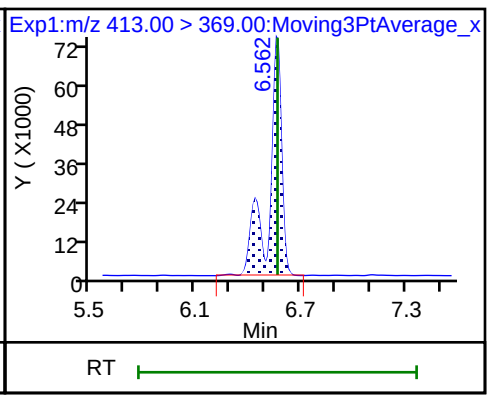
D 34 13C8 PFOA



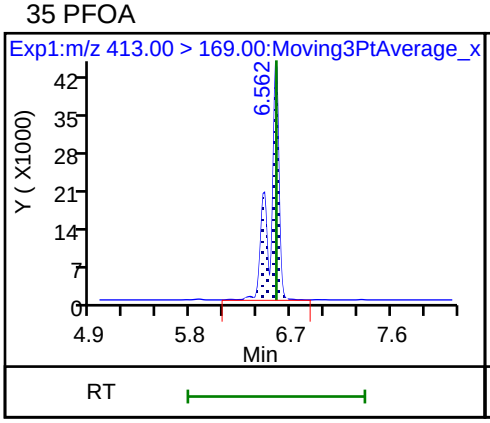
* 40 13C4 PFOA



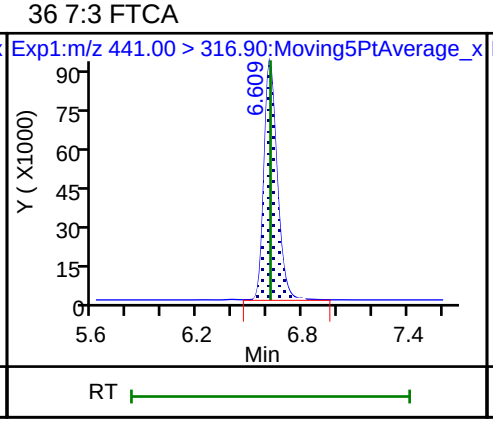
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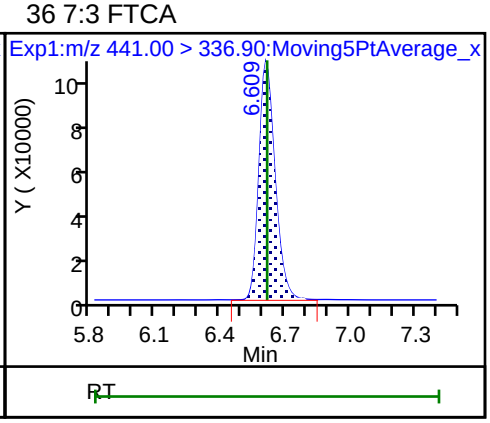
35 PFOA



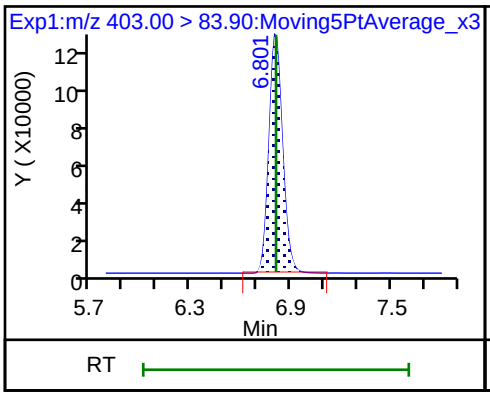
36 7:3 FTCA



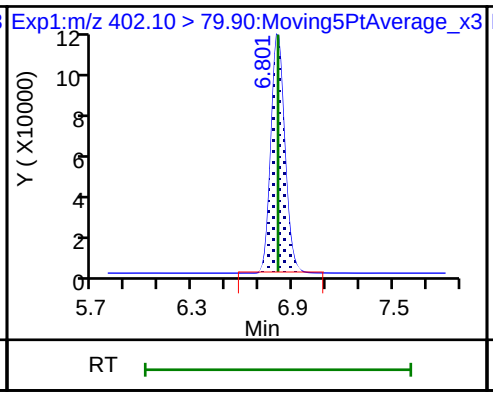
36 7:3 FTCA



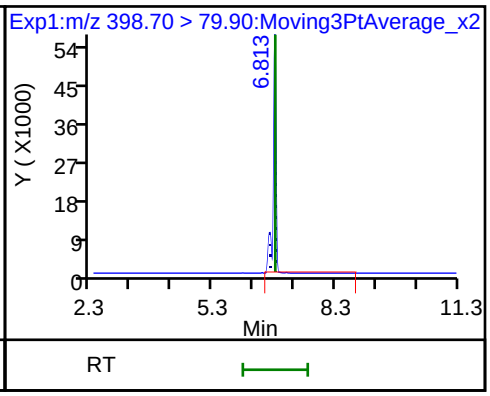
* 38 18O2 PFHxS



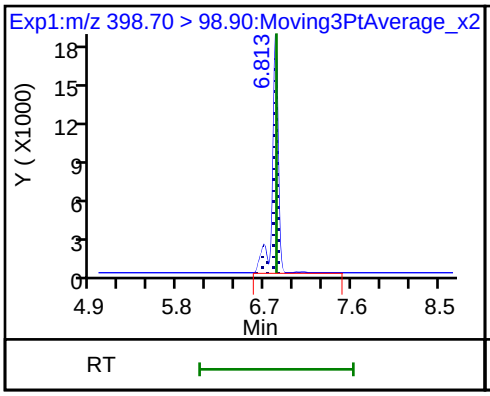
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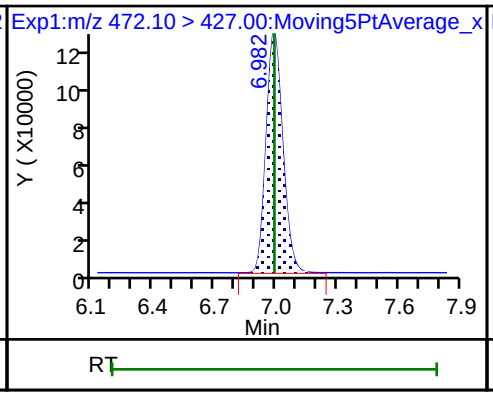
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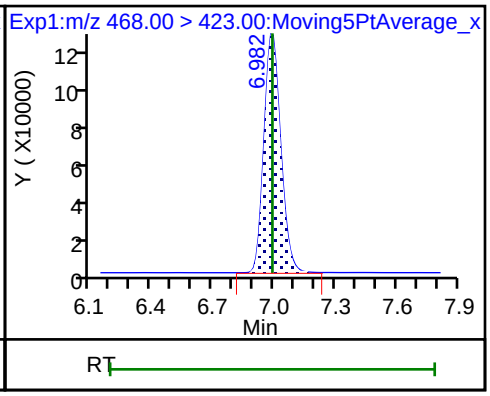
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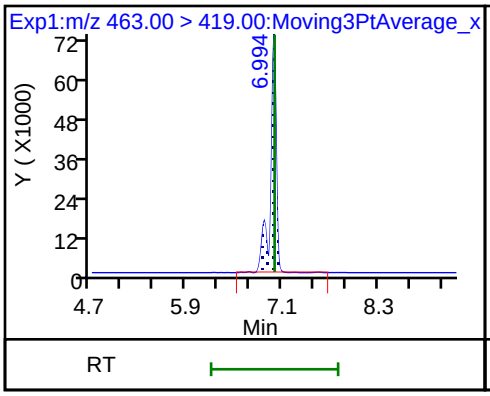
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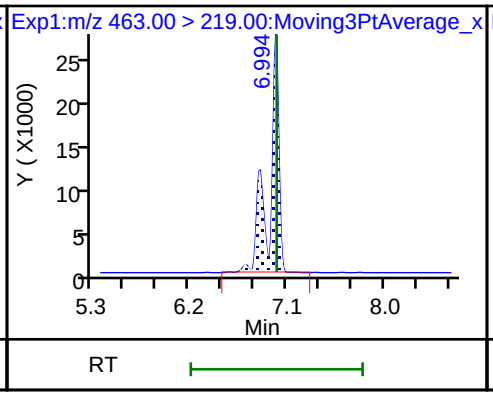
* 42 13C5 PFNA



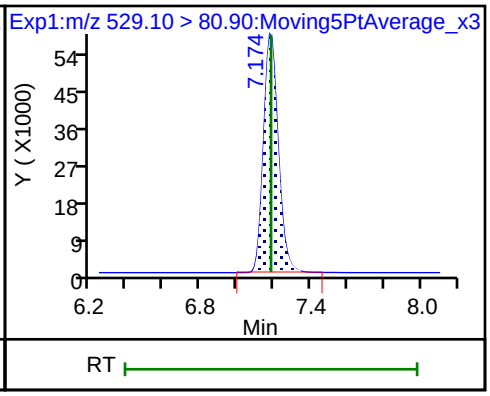
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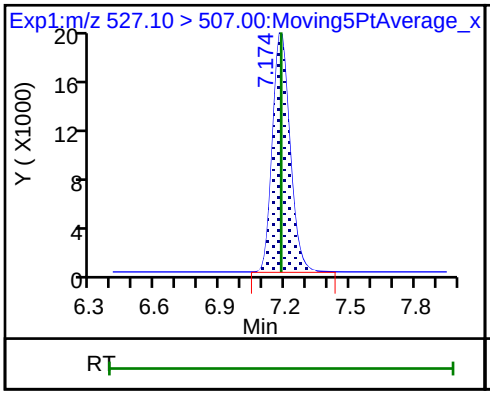
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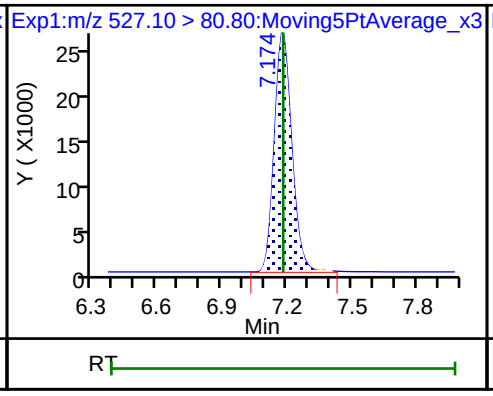
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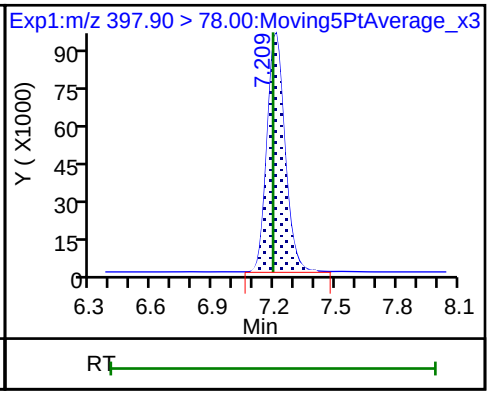
46 8:2FTS



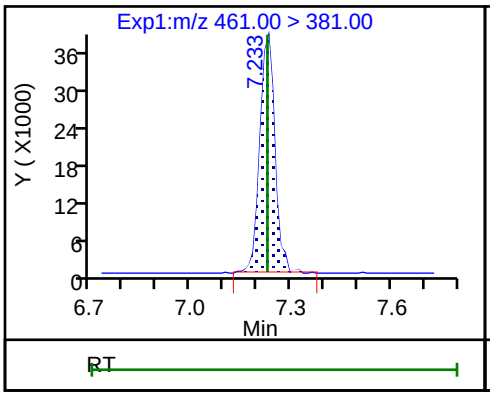
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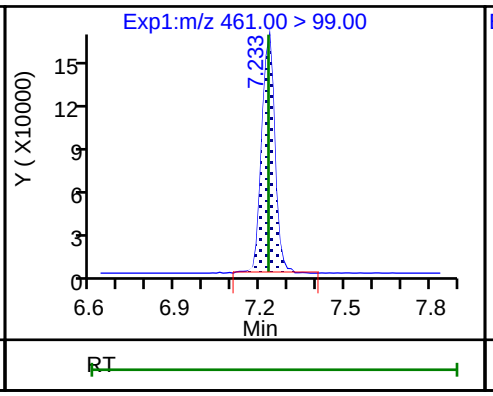
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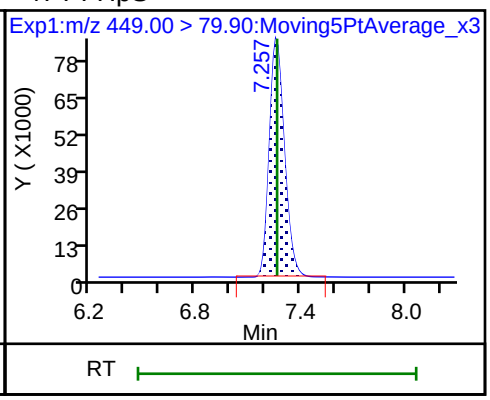
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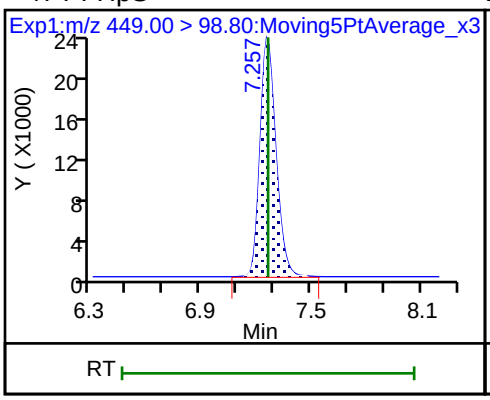
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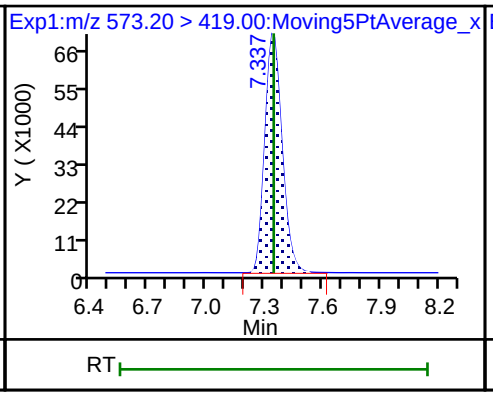
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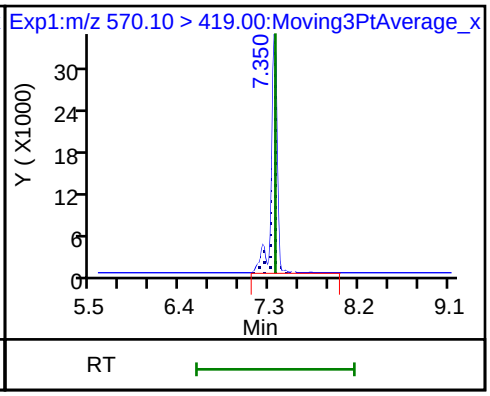
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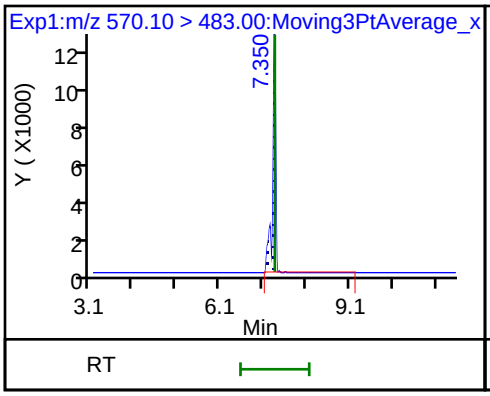
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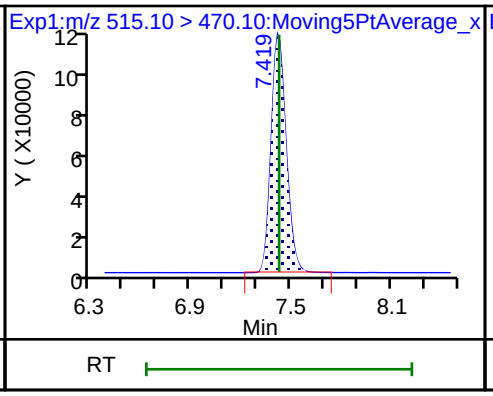
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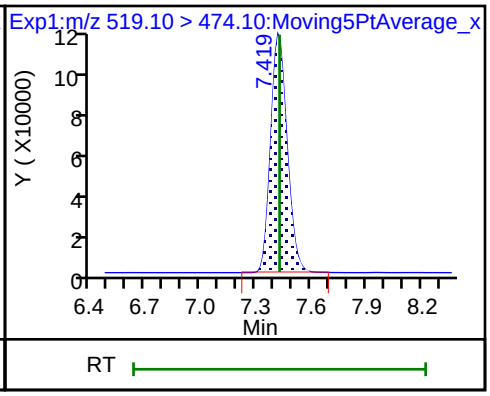
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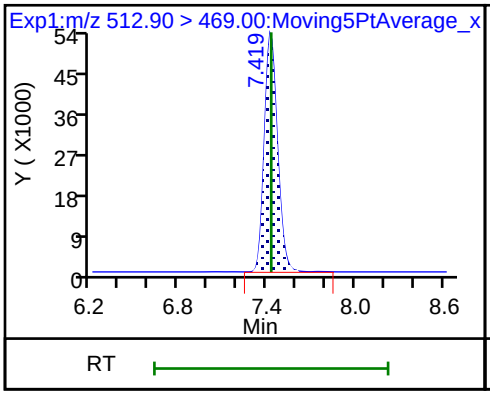
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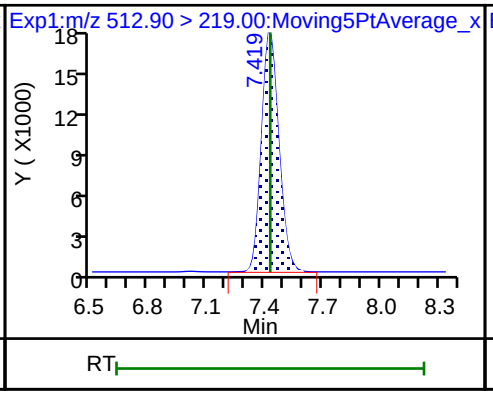
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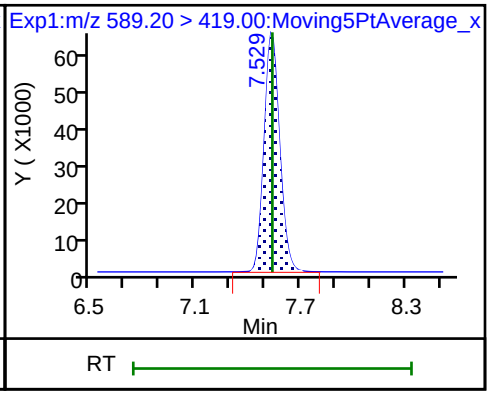
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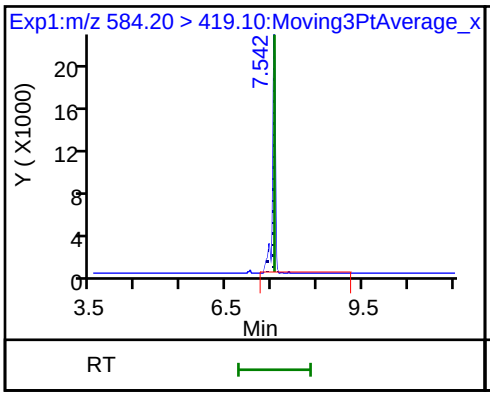
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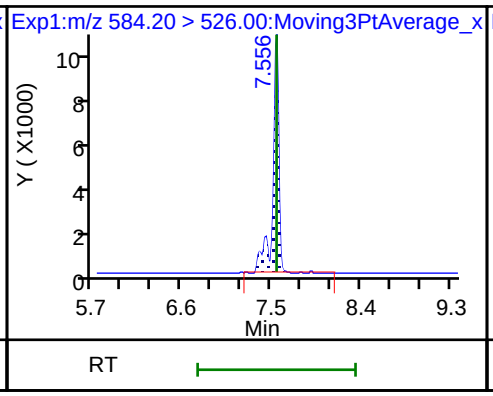
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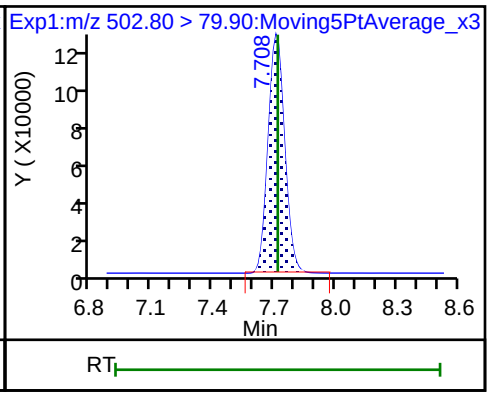
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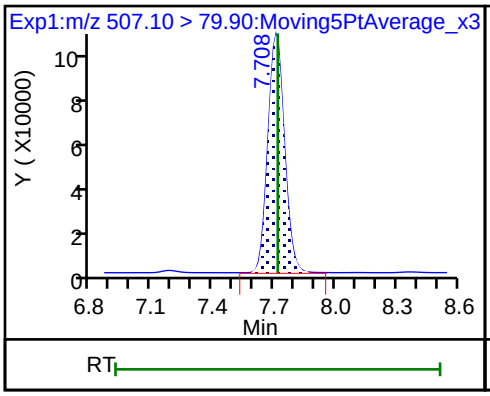
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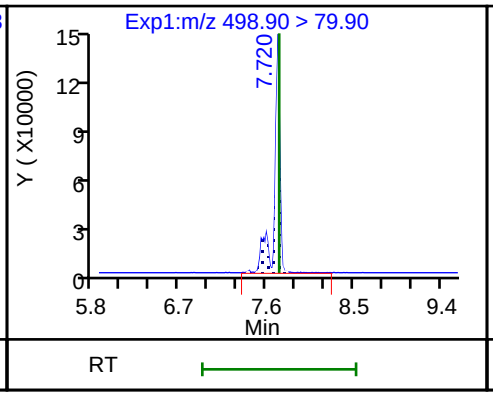
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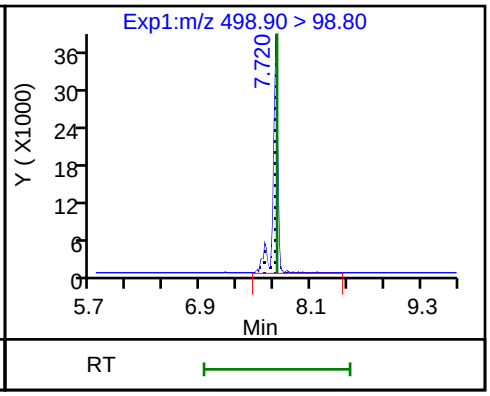
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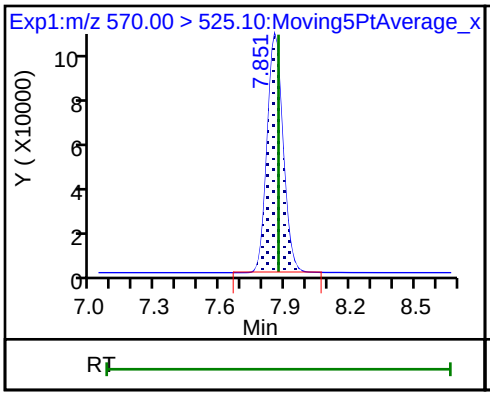
58 PFOS



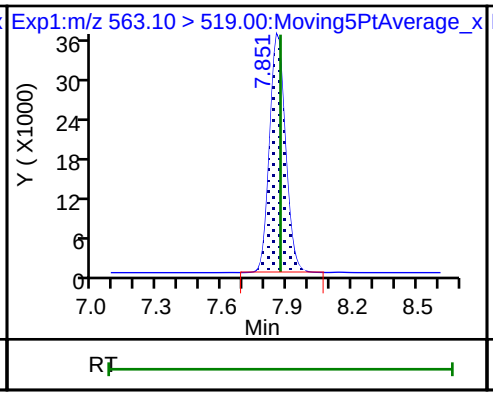
58 PFOS



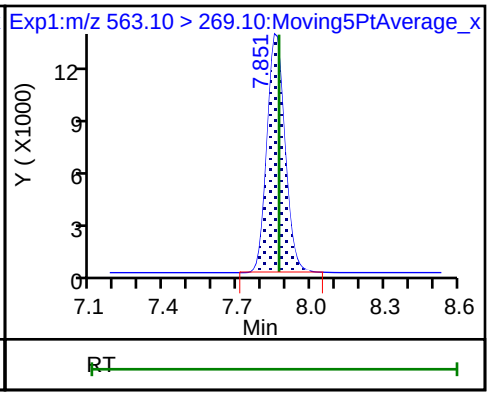
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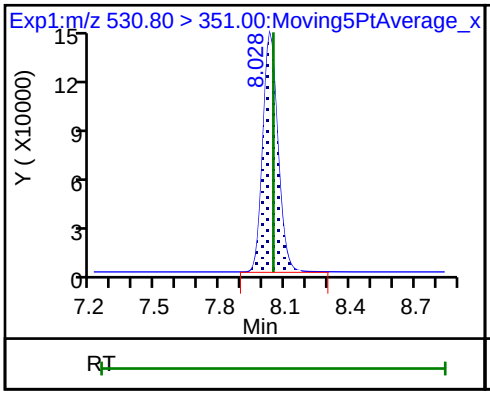
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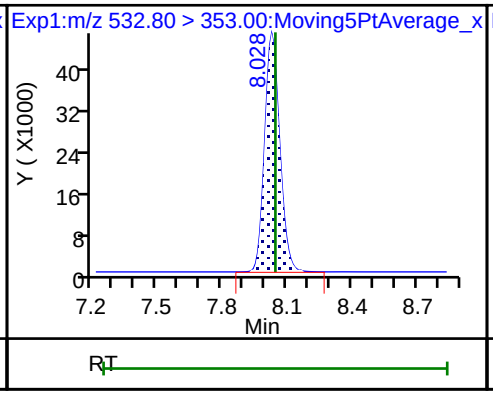
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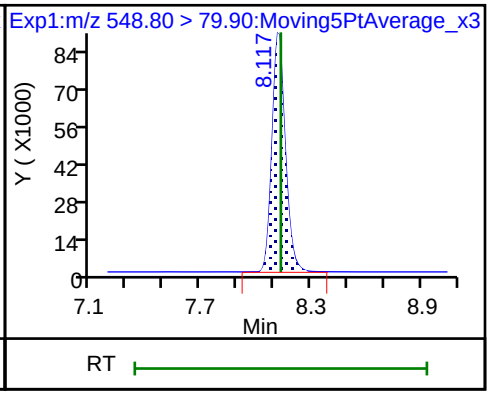
61 9ClFOS



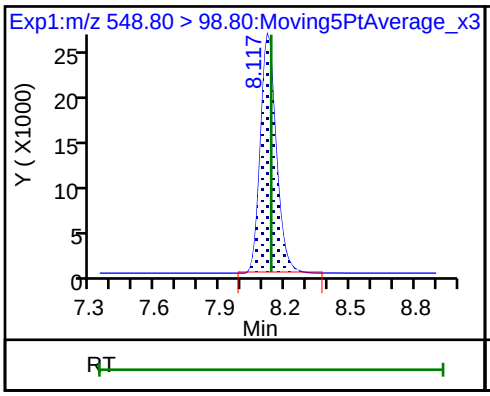
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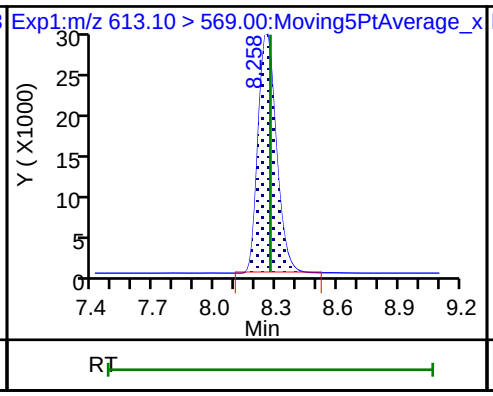
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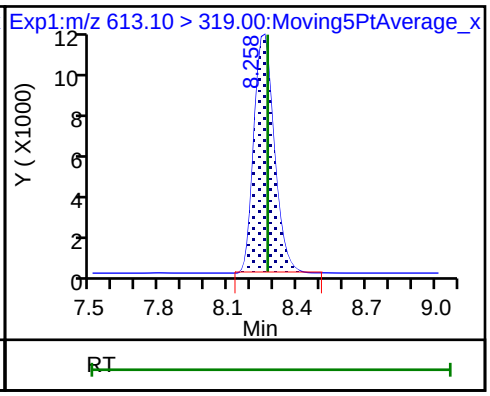
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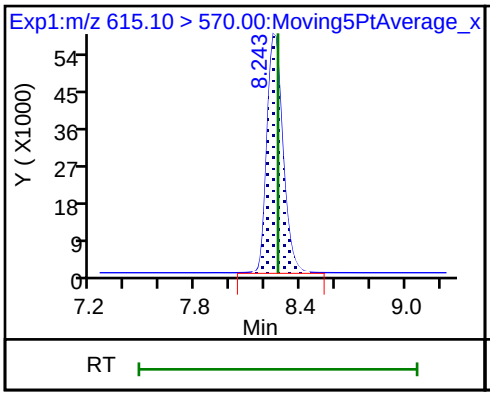
64 PFDoA



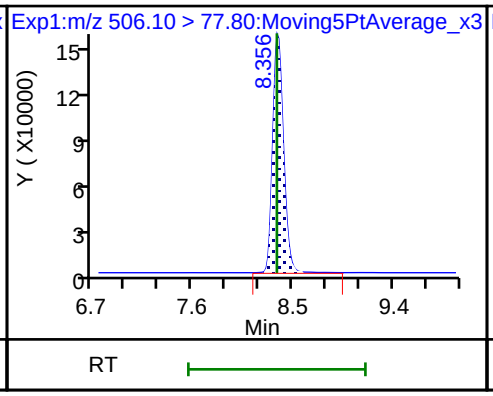
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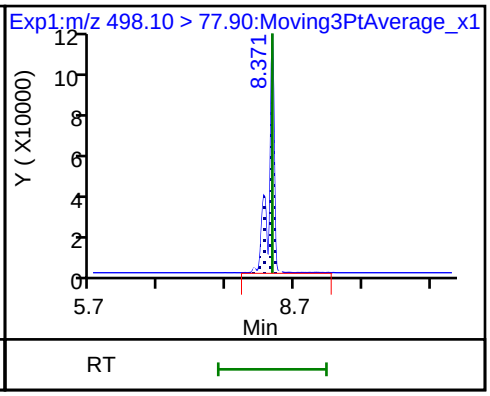
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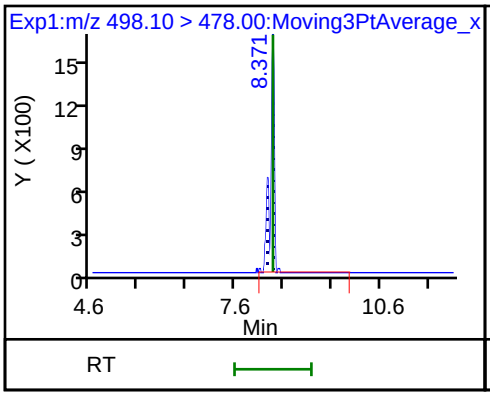
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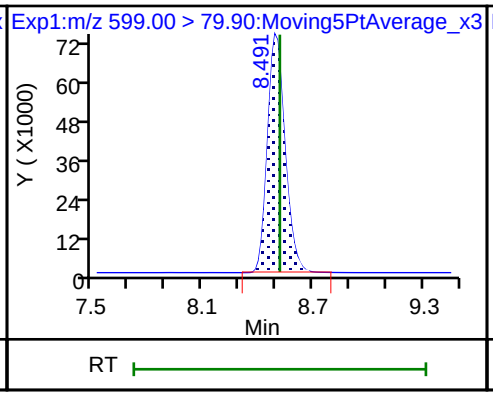
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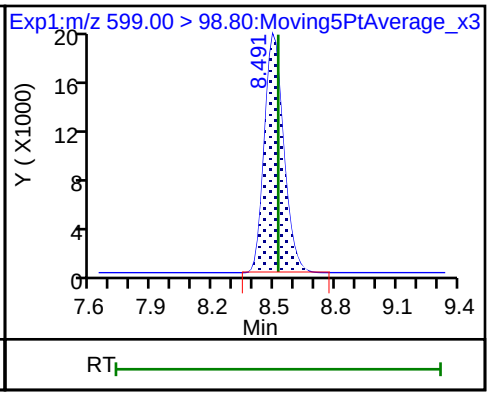
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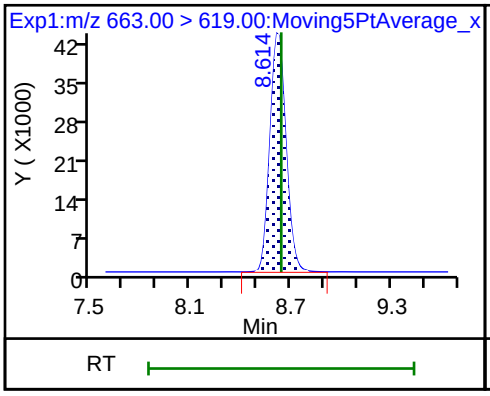
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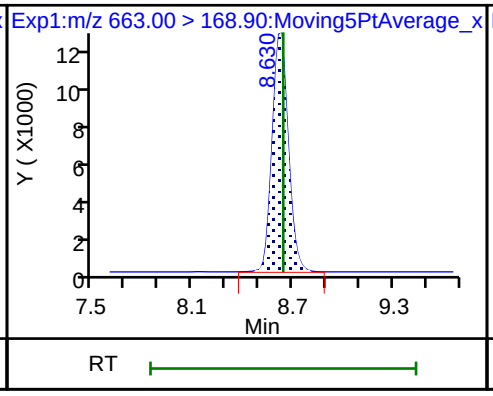
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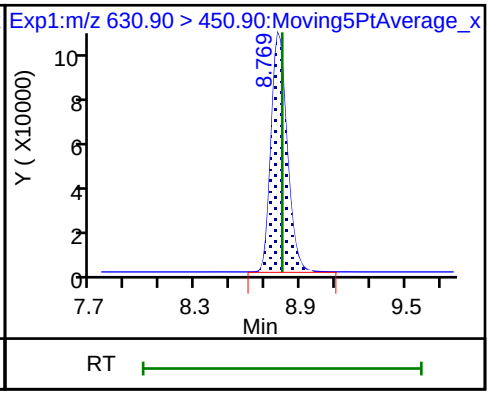
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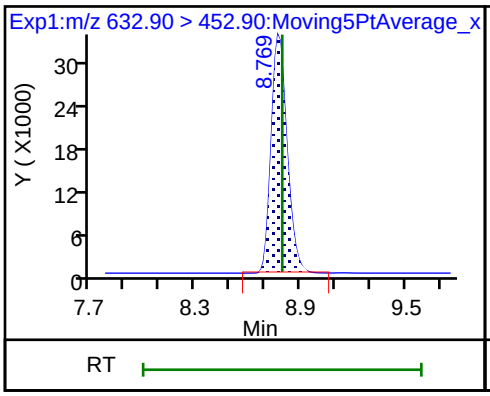
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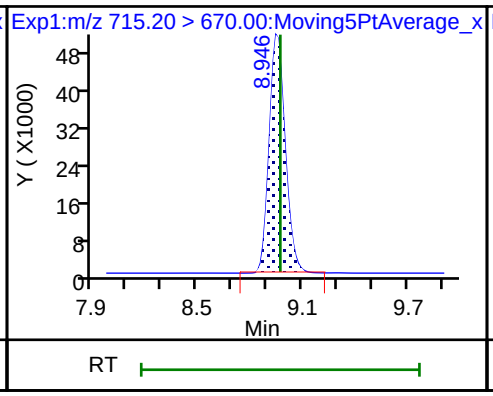
69 11ClFOS



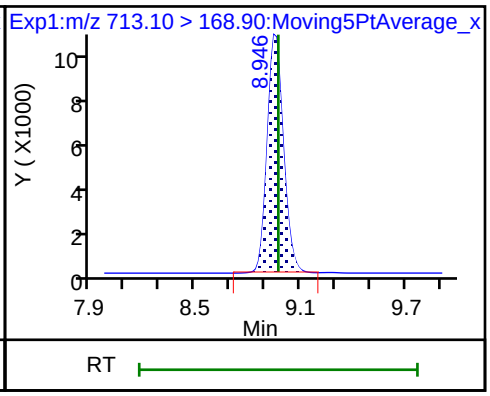
69 11ClFOS



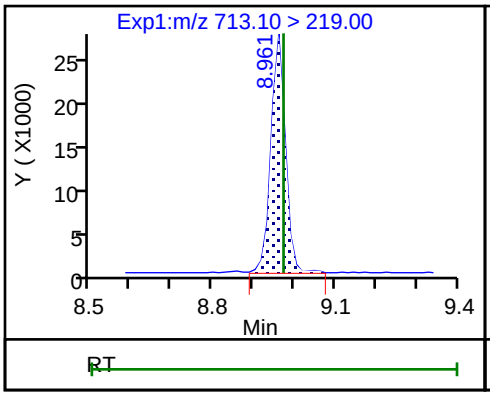
D 70 13C2 PFTeDA



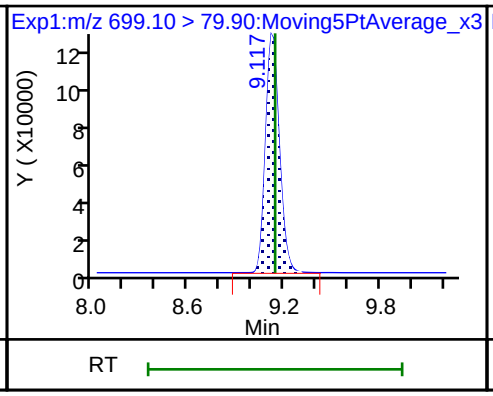
71 PFTeDA



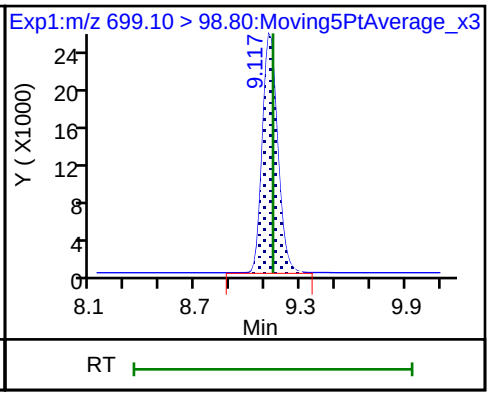
71 PFTeDA



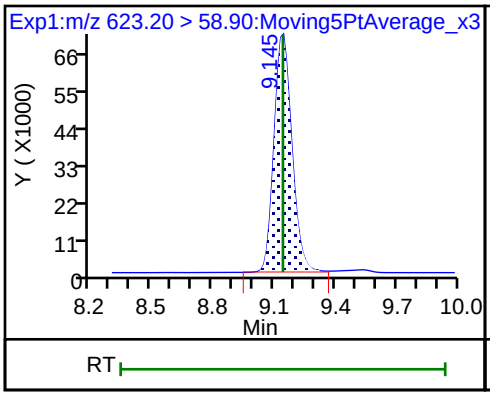
72 PFDoS



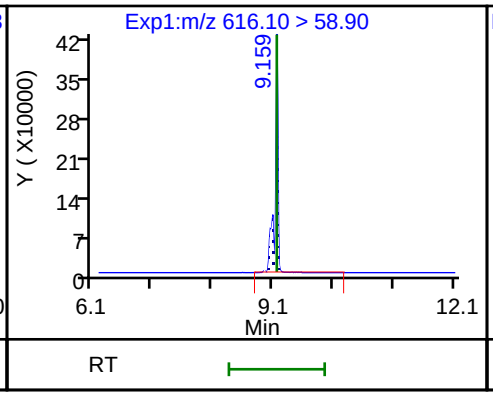
72 PFDoS



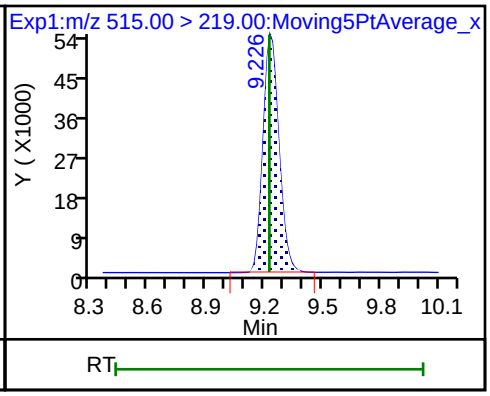
D 73 d7-N-Me-FOSE



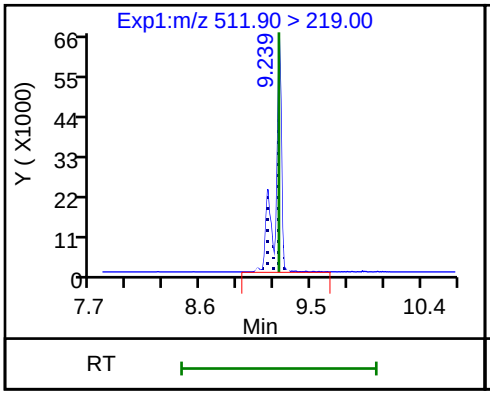
74 N-MeFOSE-M



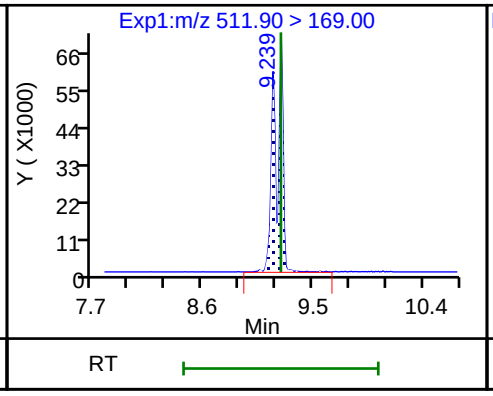
D 75 d3-NMePFOSA



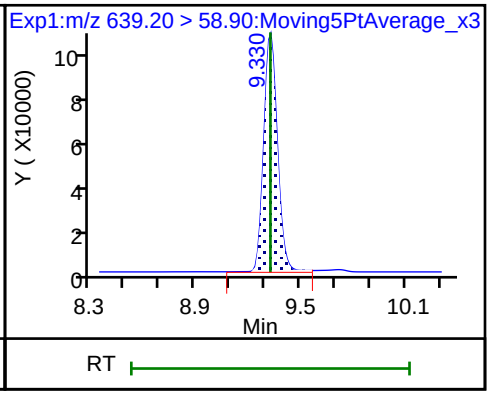
76 NMeFOSA



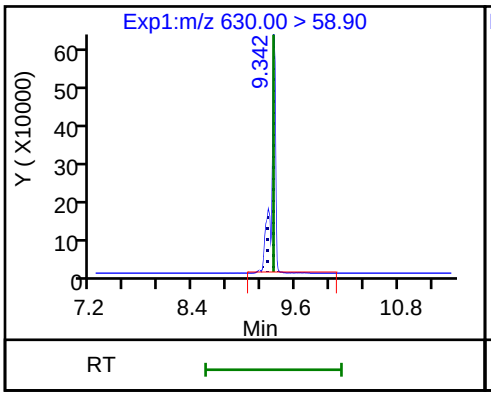
76 NMeFOSA



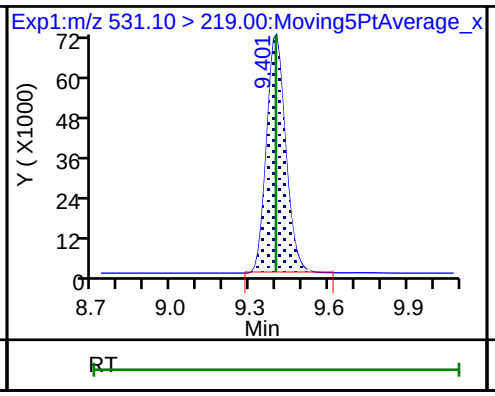
D 77 d9-N-EtFOSE



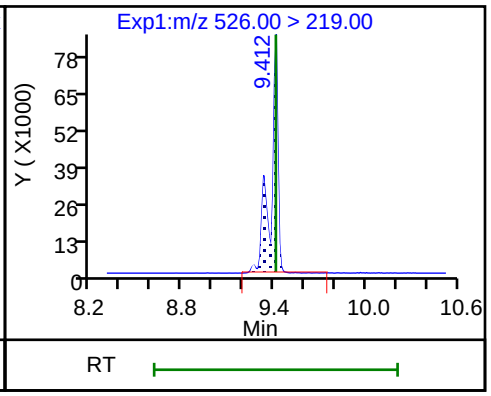
78 N-EtFOSE-M



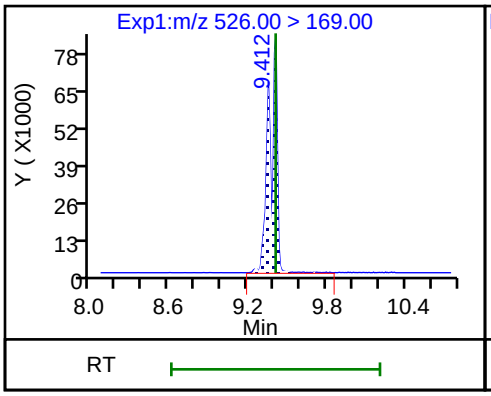
D 79 d5-NEtPFOSA



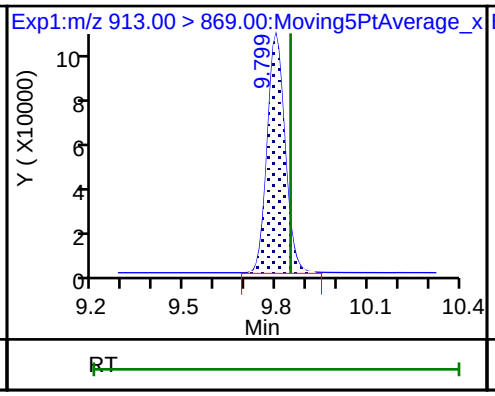
80 N-EtFOSA-M



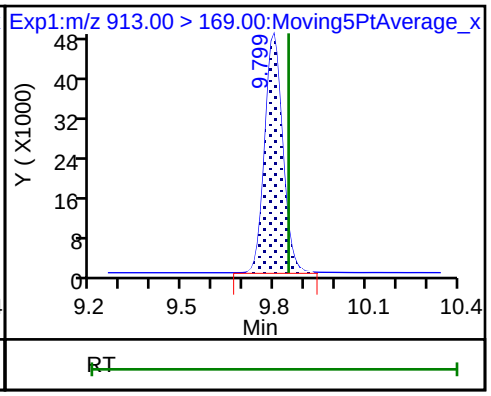
80 N-EtFOSA-M



81 Perfluorooctadecanoic acid



81 Perfluorooctadecanoic acid



FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: CCVO 410-613851/1 Calibration Date: 03/06/2025 17:31

Instrument ID: 30729 Calib Start Date: 03/03/2025 18:24

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 03/03/2025 20:03

Lab File ID: 25MAR6-01.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoropropionic acid (PFPrA)	AveID	1.105	1.105		0.250	0.250	0.0	30.0
Perfluorobutanoic acid	AveID	1.005	1.000		0.0995	0.100	-0.5	30.0
Perfluoro-3-methoxypropanoic acid	AveID	1.737	1.781		0.0513	0.0500	2.5	30.0
3:3 FTCA	AveID	0.1000	0.0939		0.0939	0.100	-6.1	30.0
Perfluoropentanoic acid	L2ID		1.936		0.0511	0.0500	2.2	30.0
Perfluoro(4-methoxybutanoic acid)	AveID	1.920	1.840		0.0479	0.0500	-4.2	30.0
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	AveID	1.477	1.751		0.111	0.0934	18.6	30.0
Perfluoro-3,6-dioxaheptanoic acid	AveID	0.5869	0.6067		0.0517	0.0500	3.4	30.0
Perfluorohexanoic acid	L2ID		1.204		0.0581	0.0500	16.3	30.0
5:3 FTCA	AveID	0.1788	0.1561		0.218	0.250	-12.7	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	0.998	1.035		0.0519	0.0500	3.7	30.0
Perfluorobutanesulfonic acid	L2ID		0.6509		0.0423	0.0444	-4.7	30.0
HFPO-DA	AveID	1.074	1.098		0.0383	0.0375	2.2	30.0
PFEESA	AveID	3.007	3.160		0.0469	0.0446	5.1	30.0
Perfluoroheptanoic acid	L2ID		1.182		0.0455	0.0500	-9.1	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	2.558	2.601		0.0481	0.0473	1.7	30.0
Perfluoropentanesulfonic acid	AveID	1.192	1.252		0.0494	0.0470	5.1	30.0
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	AveID	1.202	1.217		0.0960	0.0948	1.2	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	2.944	2.711		0.0451	0.0490	-7.9	30.0
Perfluorooctanoic acid	AveID	0.7474	0.8793		0.0588	0.0500	17.6	30.0
7:3 FTCA	AveID	0.1796	0.1630		0.227	0.250	-9.3	30.0
Perfluorohexanesulfonic acid	AveID	0.6725	0.7351		0.0498	0.0456	9.3	30.0
Perfluorononanoic acid	L2ID		1.116		0.0534	0.0500	6.8	30.0
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	AveID	0.7471	0.8518		0.109	0.0958	14.0	30.0
Perfluoro-4-ethylcyclohexane sulfonic acid (PFECHS)	L2ID		0.2876		0.0392	0.0462	-15.1	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	1.408	1.340		0.0476	0.0500	-4.8	30.0
Perfluoroheptanesulfonic acid	AveID	1.303	1.445		0.0529	0.0477	10.9	30.0
NMeFOSAA	AveID	1.191	1.303		0.0547	0.0500	9.4	30.0
Perfluorodecanoic acid	L2ID		0.7848		0.0613	0.0500	22.6	30.0
NEtFOSAA	AveID	0.8731	1.096		0.0627	0.0500	25.5	30.0
Perfluorooctanesulfonic acid	L2ID		1.717		0.0456	0.0465	-2.0	30.0
Perfluoroundecanoic acid	L2ID		0.5433		0.0531	0.0500	6.3	30.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	AveID	1.446	1.950		0.0630	0.0467	34.8*	30.0
Perfluorononanesulfonic acid	AveID	1.238	1.565		0.0608	0.0481	26.4	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: CCVO 410-613851/1 Calibration Date: 03/06/2025 17:31

Instrument ID: 30729 Calib Start Date: 03/03/2025 18:24

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 03/03/2025 20:03

Lab File ID: 25MAR6-01.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorododecanoic acid	AveID	0.7862	0.7462		0.0475	0.0500	-5.1	30.0
Perfluorooctanesulfonamide	AveID	0.9172	0.9342		0.0509	0.0500	1.9	30.0
Perfluorodecanesulfonic acid	AveID	1.347	1.326		0.0475	0.0482	-1.5	30.0
Perfluorotridecanoic acid	AveID	1.362	1.370		0.0503	0.0500	0.6	30.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	AveID	1.495	1.620		0.0511	0.0472	8.4	30.0
Perfluorotetradecanoic acid	L2ID		0.3649		0.0440	0.0500	-11.9	30.0
Perfluorododecanesulfonic acid (PFDoS)	L2ID		1.803		0.0367	0.0485	-24.3	30.0
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	AveID	2.647	2.665		0.252	0.250	0.7	30.0
NMeFOSA	AveID	1.070	1.123		0.0525	0.0500	5.0	30.0
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	AveID	3.124	3.331		0.267	0.250	6.6	30.0
N-ethylperfluoro-1-octanesulfonamide	AveID	1.204	1.197		0.0497	0.0500	-0.5	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	2.111	1.653		0.0391	0.0500	-21.7	30.0
13C3 PFPrA	Ave	0.5590	0.5836		2.09	2.00	4.4	30.0
13C4 PFBA	Ave	0.8838	0.8860		2.00	2.00	0.2	30.0
13C5 PFPeA	Ave	0.7146	0.6560		1.84	2.00	-8.2	30.0
M2-4:2 FTS	Ave	0.1655	0.1607		4.55	4.69	-2.9	30.0
13C5 PFHxA	Ave	1.162	1.105		1.90	2.00	-4.9	30.0
13C3 PFBS	Ave	1.229	1.215		1.84	1.86	-1.2	30.0
13C3 HFPO-DA	Ave	1.136	1.116		1.97	2.00	-1.7	30.0
13C4 PFHpA	Ave	1.120	1.128		2.01	2.00	0.7	30.0
M2-6:2 FTS	Ave	0.1633	0.1723		5.02	4.76	5.5	30.0
13C8 PFOA	Ave	0.9639	1.002		2.08	2.00	4.0	30.0
13C3 PFHxS	Ave	0.9789	1.047		2.03	1.90	7.0	30.0
13C9 PFNA	Ave	0.9802	0.9403		1.92	2.00	-4.1	30.0
M2-8:2 FTS	Ave	0.1754	0.1931		5.28	4.80	10.1	30.0
d3-NMeFOSAA	Ave	0.2581	0.2991		5.79	5.00	15.9	30.0
13C6 PFDA	Ave	1.028	1.078		2.10	2.00	4.9	30.0
d5-NEtFOSAA	Ave	0.2260	0.2437		5.39	5.00	7.8	30.0
13C8 PFOS	Ave	0.9151	0.9715		2.03	1.92	6.2	30.0
13C7 PFUnA	Ave	0.8165	1.037		2.54	2.00	27.0	30.0
13C2 PFDoA	Ave	0.5968	0.7587		2.54	2.00	27.1	30.0
13C8 FOSA	Ave	1.519	1.731		2.28	2.00	13.9	30.0
13C2 PFTeDA	Ave	0.5332	0.5364		2.01	2.00	0.6	30.0
d7-N-MeFOSE-M	Ave	0.2547	0.2510		4.93	5.00	-1.5	30.0
d3-NMePFOSA	Ave	0.4706	0.4268		1.81	2.00	-9.3	30.0
d9-N-EtFOSE-M	Ave	0.3106	0.2898		4.67	5.00	-6.7	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: CCVO 410-613851/1 Calibration Date: 03/06/2025 17:31

Instrument ID: 30729 Calib Start Date: 03/03/2025 18:24

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 03/03/2025 20:03

Lab File ID: 25MAR6-01.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d5-NEtPFOSA	Ave	0.5230	0.4728		1.81	2.00	-9.6	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR6-01.d
Lims ID: CCVO 1_CAL1
Client ID:
Sample Type: CCVO
Inject. Date: 06-Mar-2025 17:31:18 ALS Bottle#: 20002 Worklist Smp#: 1
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: CCVO 1_CAL1
Misc. Info.: Plate: 1 Rack: 1
Operator ID: ETUS023_USR_INS00054 Instrument ID: 30729
Sublist: chrom-30729_1633Final*sub1

Method: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\30729_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 10-Mar-2025 15:03:25 Calib Date: 03-Mar-2025 20:03:32
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-08.d

Column 1 : Det: EXP1
Process Host: CTX1629

First Level Reviewer: LDU5 Date: 06-Mar-2025 18:04:53
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
1 Perfluoropropionic acid										M
163.00 > 119.00	1.869	1.869	0.0	1.000	58560	0.2501		100	78.2	M
D 2 13C3PFPrA										
166.00 > 121.00	1.869	1.869	0.0	0.419	423896	2.09		104	177	
5 PFBA										
212.80 > 168.90	4.450	4.450	0.0	1.000	32170	0.0995		99.5	115	
D 3 13C4-PFBA										
216.80 > 171.90	4.450	4.450	0.0	0.998	643477	2.00		100	16529	
* 4 13C3PFBA										
216.00 > 172.00	4.459	4.459	0.0		726304	2.00			138	
6 PFMPA										
229.00 > 84.90	4.786	4.786	0.0	0.931	24284	0.0513		103	1180	
7 3:3 FTCA										
241.00 > 177.00	4.798	4.798	0.0	0.933	2561	0.0939	Target=1.07	93.9	155	
241.00 > 117.00	4.798	4.798	0.0	0.933	2705		0.95(0.53-1.60)		162	
D 9 13C5 PFPeA										
268.30 > 223.00	5.142	5.142	0.0	0.906	545543	1.84		91.8	30284	
10 PFPA										
263.00 > 219.00	5.142	5.142	0.0	1.000	26408	0.0511		102	1134	
11 PFMBA										
279.00 > 85.10	5.330	5.330	0.0	1.037	25090	0.0479		95.8	1390	
D 12 13C2-4:2FTS										
329.10 > 80.90	5.479	5.479	0.0	0.805	313131	4.55		97.1	10906	
13 4:2FTS										
327.10 > 307.00	5.479	5.479	0.0	1.000	10918	0.1107	Target=1.39	119	655	
327.10 > 80.90	5.479	5.479	0.0	1.000	7409		1.47(0.69-2.08)		253	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
15 NFDHA										
295.00 > 201.00	5.640	5.640	0.0	0.994	13932	0.0517	Target=1.25	103	781	
295.00 > 84.90	5.629	5.640	-0.011	0.992	11942		1.17(0.63-1.88)		691	
D 16 13C5 PFHxA										
318.00 > 273.00	5.676	5.676	0.0	1.000	918530	1.90		95.1	52185	
* 17 13C2 PFHxA										
315.10 > 270.00	5.676	5.676	0.0		2078913	5.00			118325	
18 PFHxA										RMa
313.00 > 269.00	5.687	5.687	0.0	1.002	27656	0.0581	Target=10.83	116	1553	Ra
313.00 > 118.90	5.687	5.687	0.0	1.002	1601		17.27(5.41-16.24)		78.3	M
20 5:3 FTCA										
341.00 > 237.10	5.762	5.762	0.0	1.015	17923	0.2182	Target=0.92	87.3	994	
341.00 > 217.00	5.762	5.762	0.0	1.015	22883		0.78(0.46-1.37)		1255	
14 FBSA										
297.90 > 78.00	5.804	5.804	0.0	0.998	26108	0.0519		104	44.0	
21 PFBS										
298.70 > 79.90	5.818	5.818	0.0	1.000	14586	0.0423	Target=2.85	95.3	649	
298.70 > 98.80	5.818	5.818	0.0	1.000	5625		2.59(1.43-4.28)		270	
D 19 13C3 PFBS										
302.10 > 79.90	5.818	5.818	0.0	0.855	940706	1.84		98.8	41718	
D 23 13C3 HFPO-DA										
286.90 > 168.90	5.873	5.873	0.0	1.035	928303	1.97		98.3	48421	
22 HFPO-DA										
284.90 > 168.90	5.887	5.887	0.0	1.002	19117	0.0383	Target=2.51	102	749	
284.90 > 184.90	5.887	5.887	0.0	1.002	7443		2.57(1.25-3.76)		378	
25 PFEESA										
314.80 > 134.90	6.082	6.082	0.0	1.072	64731	0.0469	Target=10.92	105	3121	
314.80 > 82.90	6.082	6.082	0.0	1.072	5179		12.50(5.46-16.39)		181	
D 27 13C4 PFHpA										
367.10 > 322.00	6.135	6.135	0.0	1.081	938319	2.01		101	54082	
28 PFHpA										
363.10 > 319.00	6.135	6.135	0.0	1.000	27737	0.0455	Target=2.23	90.9	1186	
363.10 > 169.00	6.135	6.135	0.0	1.000	8962		3.09(1.12-3.35)		523	
29 ADONA										
376.90 > 250.90	6.297	6.297	0.0	1.072	57101	0.0481	Target=1.60	102	1103	
376.90 > 84.80	6.297	6.297	0.0	1.072	35100		1.63(0.80-2.40)		2308	
30 PFPeS										
349.10 > 79.90	6.339	6.339	0.0	0.931	25607	0.0494	Target=3.47	105	1472	
349.10 > 98.90	6.339	6.339	0.0	0.931	8039		3.19(1.73-5.20)		451	
32 6:2FTS										
427.10 > 407.00	6.349	6.349	0.0	1.000	8255	0.0960	Target=1.13	101	574	
427.10 > 80.90	6.339	6.349	-0.010	0.998	7365		1.12(0.56-1.69)		493	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.349	6.349	0.0	0.933	340666	5.02		105	22970	
33 BTS										M
280.00 > 147.00	6.525	6.525	0.0	0.959	57730	0.0451		92.1	1722	M
D 34 13C8 PFOA										
421.10 > 376.00	6.565	6.565	0.0	1.000	1032818	2.08		104	70136	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 40 13C4 PFOA										
417.10 > 372.00	6.565	6.565	0.0		2575712	5.00			104953	
35 PFOA										
413.00 > 369.00	6.575	6.575	0.0	1.001	22705	0.0588	Target=1.69	118	123	
413.00 > 169.00	6.565	6.575	-0.010	1.000	12648		1.80(0.85-2.54)		49.0	
36 7:3 FTCA										
441.00 > 316.90	6.625	6.625	0.0	1.167	18715	0.2268	Target=0.93	90.7	1180	
441.00 > 336.90	6.625	6.625	0.0	1.167	22836		0.82(0.46-1.39)		1429	
* 38 18O2 PFHxS										
403.00 > 83.90	6.807	6.807	0.0		786089	1.89			44699	
D 37 13C3 PFHxS										
402.10 > 79.90	6.807	6.807	0.0	1.000	824899	2.03		107	47212	
39 PFHxS										
398.70 > 79.90	6.819	6.819	0.0	1.002	14584	0.0498	Target=3.39	109	109	
398.70 > 98.90	6.807	6.819	-0.011	1.000	4214		3.46(1.70-5.09)		28.4	
43 PFNA										
463.00 > 419.00	6.999	6.999	0.0	1.000	21405	0.0534	Target=2.10	107	146	
463.00 > 219.00	6.999	6.999	0.0	1.000	8884		2.41(1.05-3.15)		28.1	
D 41 13C9 PFNA										
472.10 > 427.00	6.999	6.999	0.0	1.000	766924	1.92		95.9	33442	
* 42 13C5 PFNA										
468.00 > 423.00	6.999	6.999	0.0		815632	2.00			47971	
D 45 13C2-8:2FTS										
529.10 > 80.90	7.191	7.191	0.0	1.056	385009	5.28		110	22778	
46 8:2FTS										
527.10 > 507.00	7.191	7.191	0.0	1.000	6545	0.1092	Target=0.72	114	394	
527.10 > 80.80	7.179	7.191	-0.012	0.998	9383		0.70(0.36-1.07)		565	
44 PFECHS										
461.00 > 381.00	7.203	7.203	0.0	1.058	5781	0.0392	Target=0.22	84.9	3.0	
461.00 > 99.00	7.238	7.203	0.035	1.063	21361		0.27(0.11-0.33)		34.3	
48 FHxSA										
397.90 > 78.00	7.226	7.226	0.0	1.062	29157	0.0476		95.2	1628	
47 PFHpS										
449.00 > 79.90	7.263	7.263	0.0	0.941	27472	0.0529	Target=3.56	111	1542	
449.00 > 98.80	7.263	7.263	0.0	0.941	6392		4.30(1.78-5.34)		345	
D 49 d3-NMeFOSAA										
573.20 > 419.00	7.357	7.357	0.0	0.954	613742	5.79		116	32702	
50 NMeFOSAA										Ma
570.10 > 419.00	7.371	7.371	0.0	1.002	7997	0.0547	Target=1.90	109		a
570.10 > 483.00	7.357	7.371	-0.014	1.000	3558		2.25(0.95-2.86)		15.0	M
* 51 13C2 PFDA										
515.10 > 470.10	7.426	7.426	0.0		728586	2.00			38388	
D 52 13C6 PFDA										
519.10 > 474.10	7.426	7.426	0.0	1.000	785640	2.10		105	31296	
53 PFDA										
512.90 > 469.00	7.426	7.426	0.0	1.000	15414	0.0613	Target=3.00	123	804	
512.90 > 219.00	7.426	7.426	0.0	1.000	5020		3.07(1.50-4.50)		264	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.536	7.536	0.0	0.977	499940	5.39		108	20064	
55 NEtFOSAA										Ma
584.20 > 419.10	7.549	7.549	0.0	1.002	5477	0.0627	Target=2.01	125		a
584.20 > 526.00	7.536	7.549	-0.013	1.000	2005		2.73(1.01-3.02)			M
* 57 13C4 PFOS										
502.80 > 79.90	7.714	7.714	0.0		784626	1.91			34824	
D 56 13C8 PFOS										
507.10 > 79.90	7.714	7.714	0.0	1.000	762242	2.03		106	22195	
58 PFOS										
498.90 > 79.90	7.714	7.714	0.0	1.000	31836	0.0456	Target=4.52	98.0	70.6	
498.90 > 98.80	7.714	7.714	0.0	1.000	4905		6.49(2.26-6.78)		13.3	
D 59 13C7 PFUnA										
570.00 > 525.10	7.856	7.856	0.0	1.058	755243	2.54		127	49490	
60 PFUnA										
563.10 > 519.00	7.856	7.856	0.0	1.000	10259	0.0531	Target=2.41	106	672	
563.10 > 269.10	7.856	7.856	0.0	1.000	4368		2.35(1.20-3.61)		309	
61 9ClFOS										
530.80 > 351.00	8.033	8.033	0.0	1.368	42261	0.0630	Target=3.28	135	2914	
532.80 > 353.00	8.033	8.033	0.0	1.368	11403		3.71(1.64-4.92)		800	
62 PFNS										
548.80 > 79.90	8.124	8.124	0.0	1.053	30018	0.0608	Target=3.47	126	1990	
548.80 > 98.80	8.124	8.124	0.0	1.053	5989		5.01(1.74-5.21)		409	
64 PFDoA										
613.10 > 569.00	8.254	8.254	0.0		10312	0.0475	Target=2.89	94.9	570	
613.10 > 319.00	8.240	8.254	-0.014		3360		3.07(1.45-4.34)		191	
D 63 PFDoA										
615.10 > 570.00	8.254	8.254	0.0	1.112	552796	2.54		127	29897	
D 66 13C8 FOSA										
506.10 > 77.80	8.382	8.382	0.0	1.087	1420722	2.28		114	42372	
65 PFOSA										Ma
498.10 > 77.90	8.397	8.397	0.0	1.002	33182	0.0509	Target=73.95	102	120	a
498.10 > 478.00	8.397	8.397	0.0	1.002	448		74.07(36.97-110.92)		4.9	M
67 PFDS										
599.00 > 79.90	8.487	8.487	0.0	1.100	25484	0.0475	Target=3.95	98.5	1264	
599.00 > 98.80	8.502	8.487	0.015	1.102	8441		3.02(1.98-5.93)		435	
68 PFTrDA										
663.00 > 619.00	8.624	8.624	0.0	0.963	16155	0.0503	Target=3.51	101	817	
663.00 > 168.90	8.624	8.624	0.0	0.963	5646		2.86(1.75-5.26)		294	
69 11ClFOS										
630.90 > 450.90	8.778	8.778	0.0	1.495	35493	0.0511	Target=3.05	108	1877	
632.90 > 452.90	8.778	8.778	0.0	1.495	12185		2.91(1.52-4.57)		644	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.955	8.955	0.0	1.206	390791	2.01		101	19722	
71 PFTeDA										
713.10 > 168.90	8.955	8.955	0.0	1.000	3565	0.0440	Target=1.07	88.1	186	
713.10 > 219.00	8.955	8.955	0.0	1.000	3372		1.06(0.54-1.61)		22.9	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
72 PFDoS										
699.10 > 79.90	9.119	9.119	0.0	1.182	34853	0.0367	Target=4.48	75.7	1956	
699.10 > 98.80	9.119	9.119	0.0	1.182	8507		4.10(2.24-6.72)		484	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.146	9.146	0.0	1.186	515027	4.93		98.5	7731	
74 N-MeFOSE-M										M
616.10 > 58.90	9.174	9.174	0.0	1.003	68617	0.2517		101	19508	M
D 75 d3-NMePFOSA										
515.00 > 219.00	9.241	9.241	0.0	1.198	350318	1.81		90.7	10237	
76 NMeFOSA										
511.90 > 219.00	9.241	9.241	0.0	1.000	9833	0.0525	Target=0.69	105	57.7	
511.90 > 169.00	9.254	9.241	0.013	1.001	13450		0.73(0.35-1.04)		72.8	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.330	9.330	0.0	1.209	594711	4.67		93.3	8471	
78 N-EtFOSE-M										M
630.00 > 58.90	9.355	9.355	0.0	1.003	99063	0.2666		107	31626	M
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.401	9.401	0.0	1.219	388008	1.81		90.4	19325	
80 N-EtFOSA-M										
526.00 > 219.00	9.413	9.413	0.0	1.001	11613	0.0497	Target=0.75	99.5	83.6	
526.00 > 169.00	9.413	9.413	0.0	1.001	15728		0.74(0.37-1.12)		88.2	
81 Perfluorooctadecanoic acid										
913.00 > 869.00	9.773	9.773	0.0	1.091	16146	0.0391	Target=2.09	78.3	1319	
913.00 > 169.00	9.773	9.773	0.0	1.091	8559		1.89(1.04-3.13)		700	

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

1633_125_CAL1_00036 Amount Added: 1.00 Units: mL

Report Date: 10-Mar-2025 15:03:26 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR6-01.d

Injection Date: 06-Mar-2025 17:31:18 Instrument ID: 30729

Lims ID: CCVO 1_CAL1

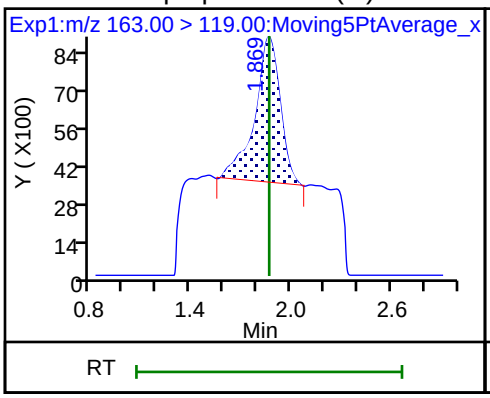
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Operator ID: ETUS023_USR_INS00054 ALS Bottle#: 20002 Worklist Smp#: 1

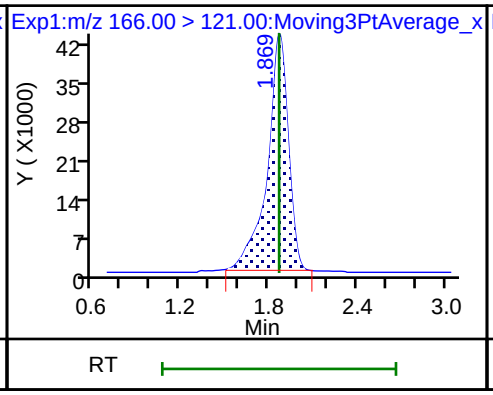
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 30729_1633Final Limit Group: LC - 1633 LVI- ICAL

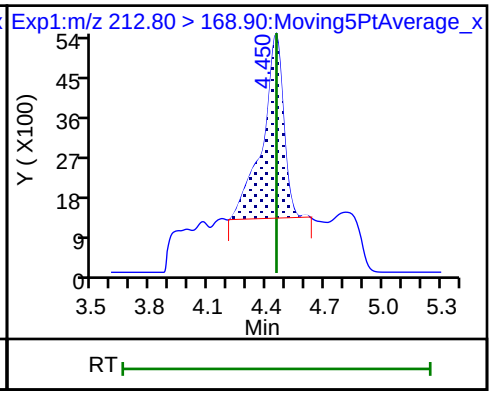
1 Perfluoropropionic acid (M)



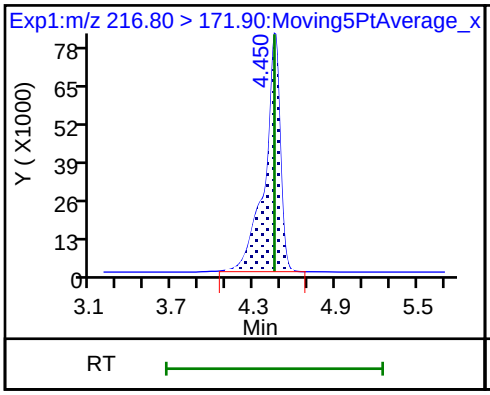
D 2 13C3PFPrA



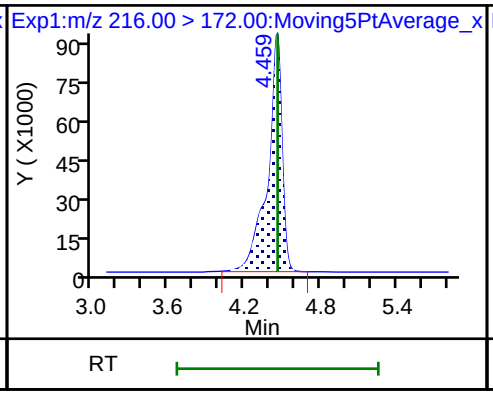
5 PFBA



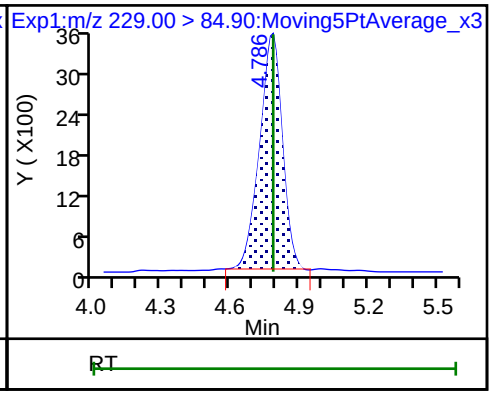
D 3 13C4-PFBA



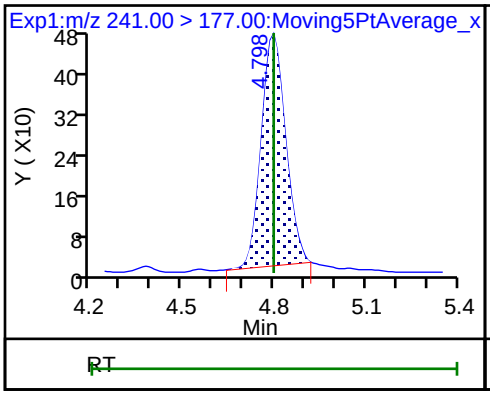
* 4 13C3PFBA



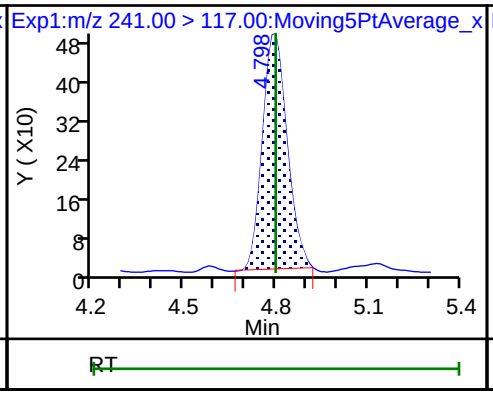
6 PFMPA



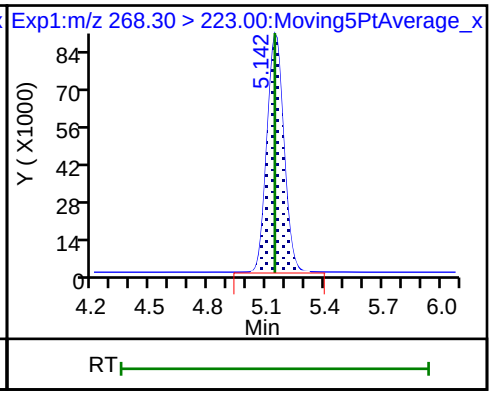
7 3:3 FTCA



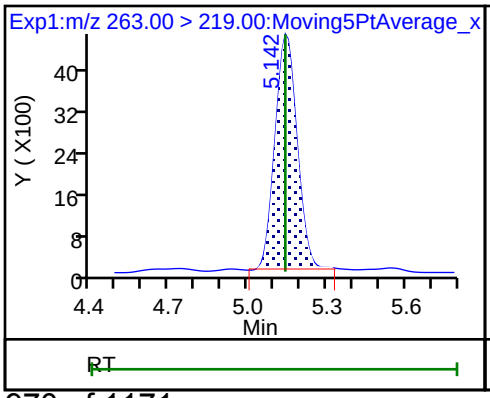
7 3:3 FTCA



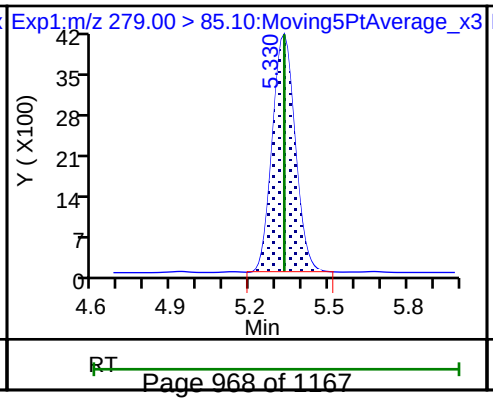
D 9 13C5 PFPeA



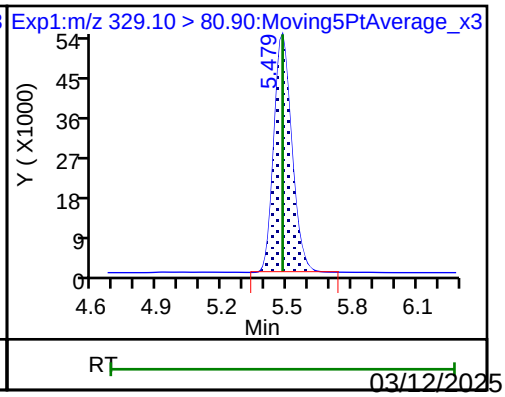
10 PFPA



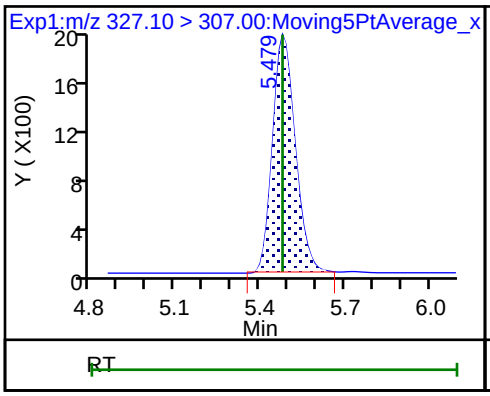
11 PFMBA



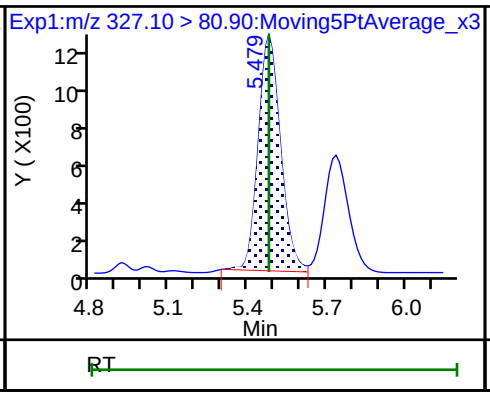
D 12 13C2-4:2FTS



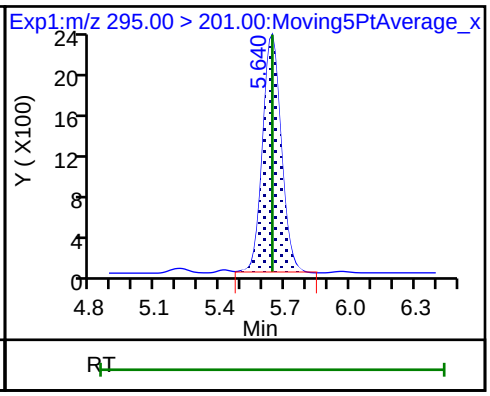
13 4:2FTS



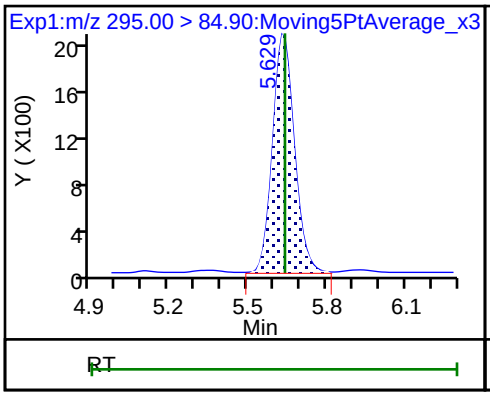
13 4:2FTS



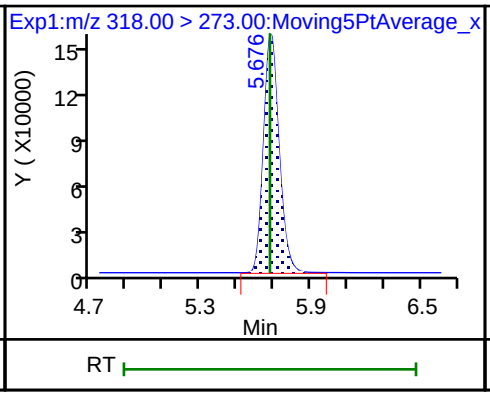
15 NFDHA



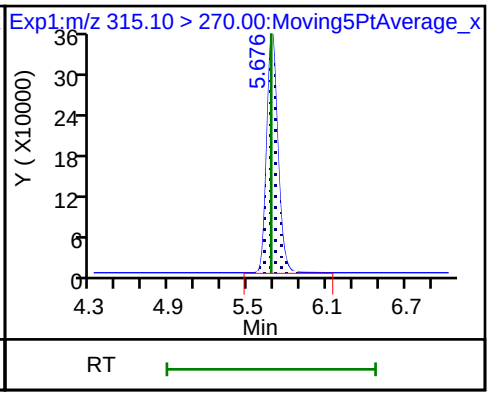
15 NFDHA



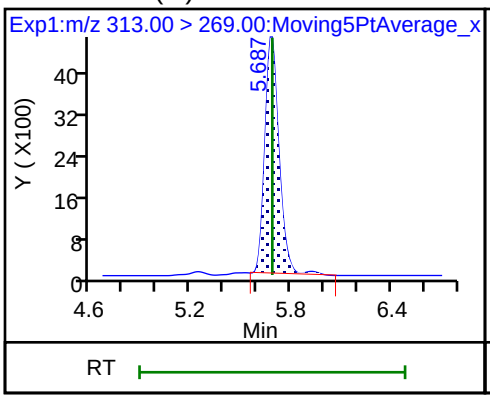
D 16 13C5 PFHxA



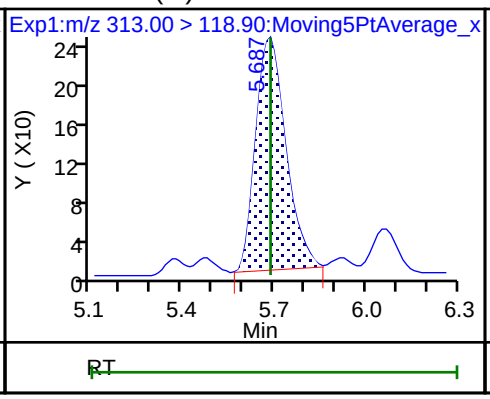
* 17 13C2 PFHxA



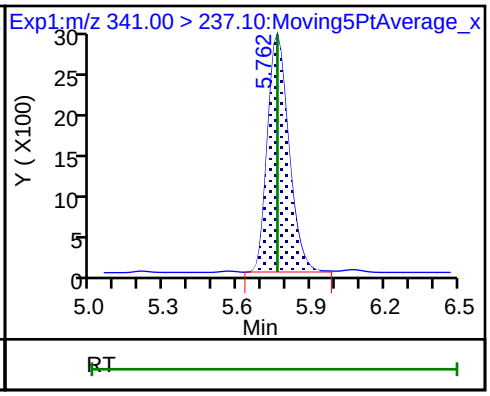
18 PFHxA (M)



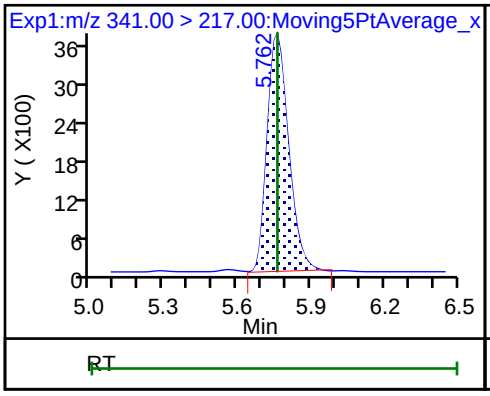
18 PFHxA (M)



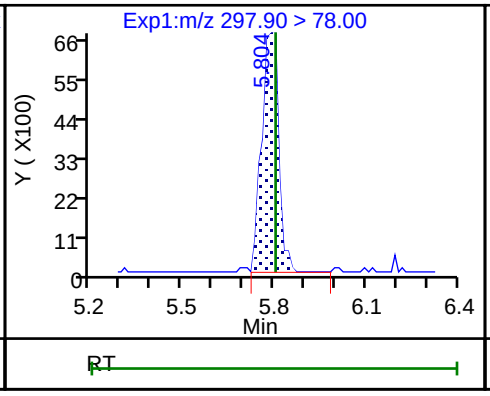
20 5:3 FTCA



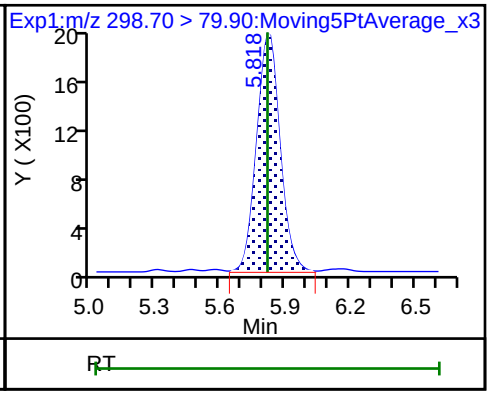
20 5:3 FTCA



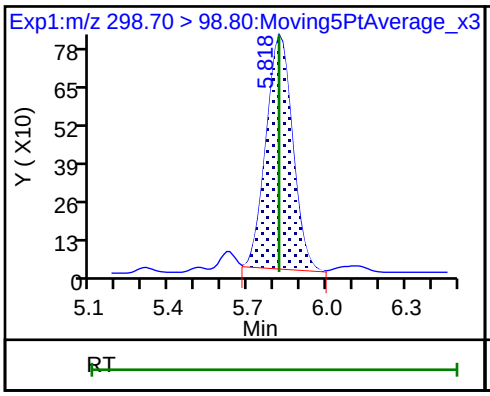
14 FBSA



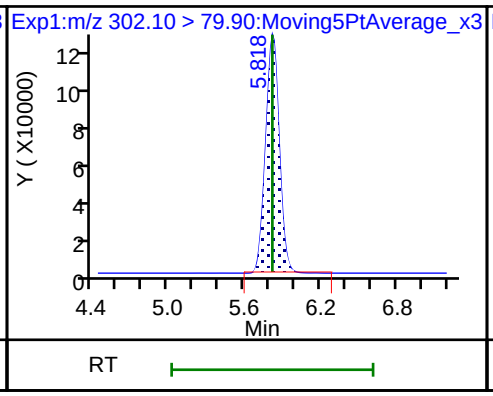
21 PFBS



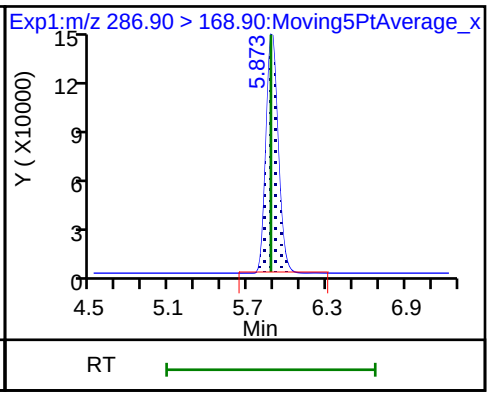
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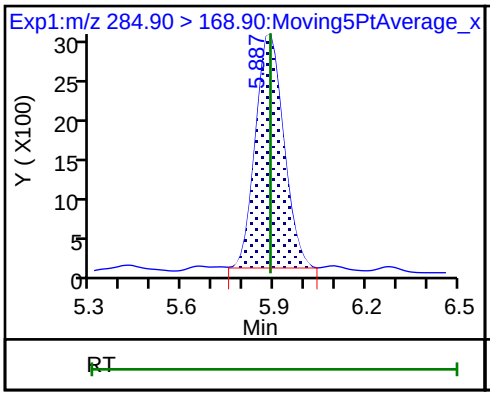
D 19 13C3 PFBS



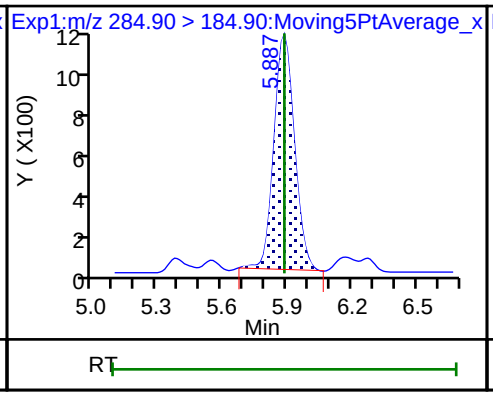
D 23 13C3 HFPO-DA



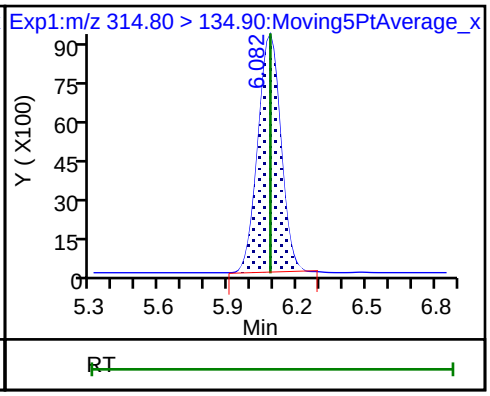
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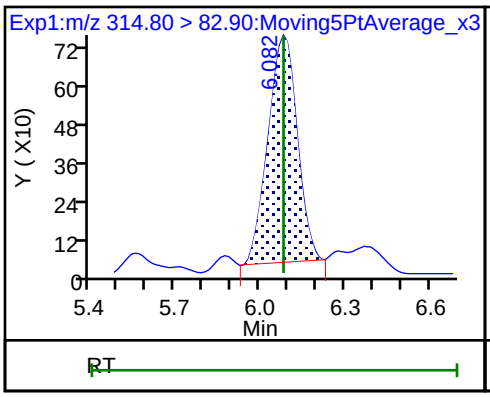
22 HFPO-DA



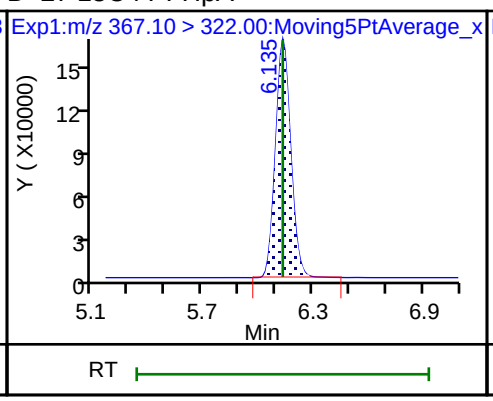
25 PFEESA



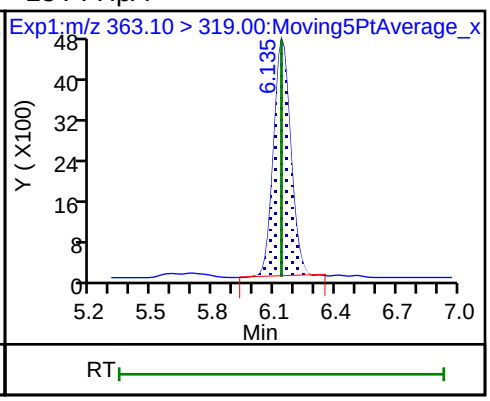
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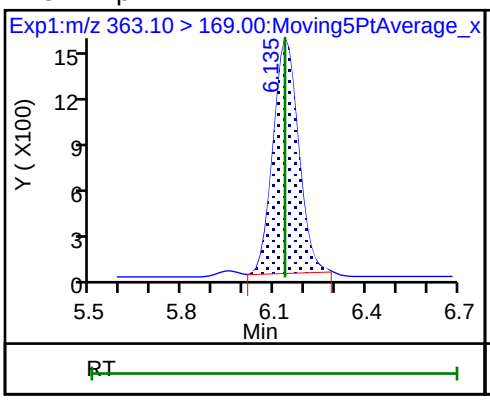
D 27 13C4 PFHpA



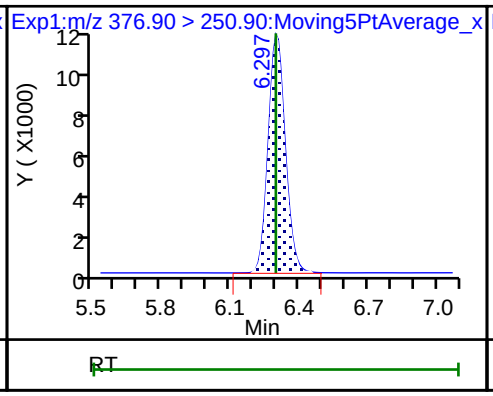
28 PFHpA



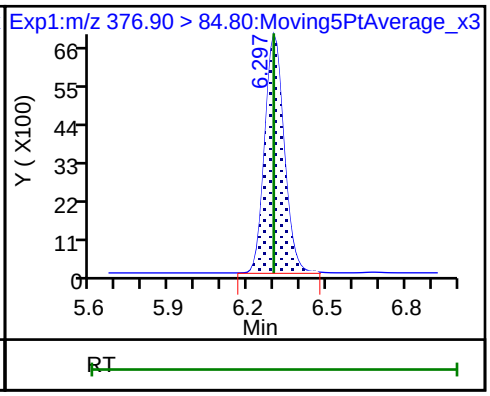
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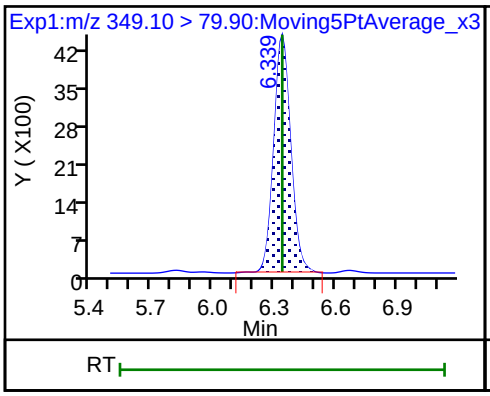
29 ADONA



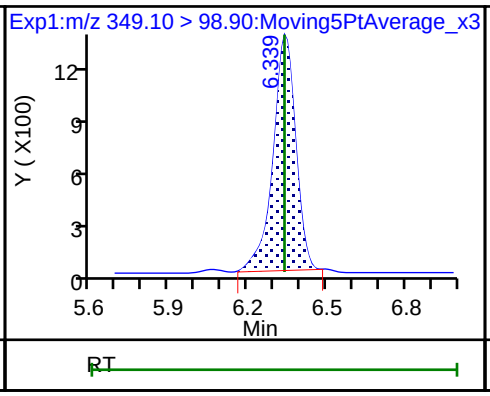
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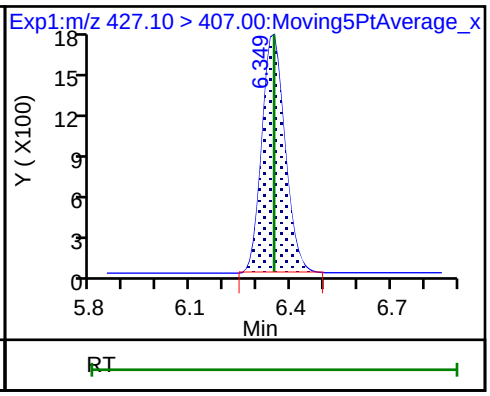
30 PFPeS



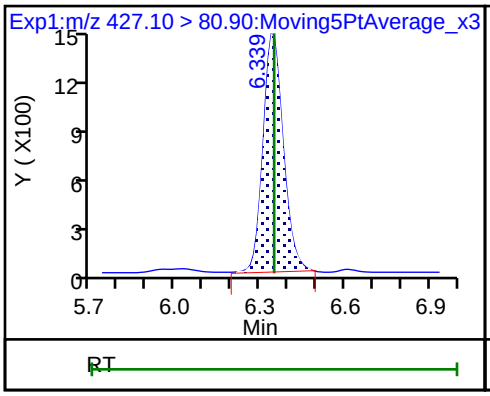
30 PFPeS



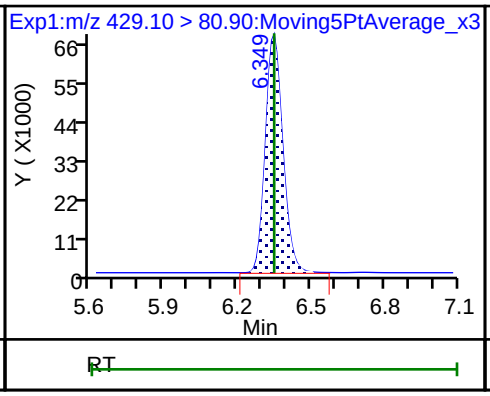
32 6:2FTS



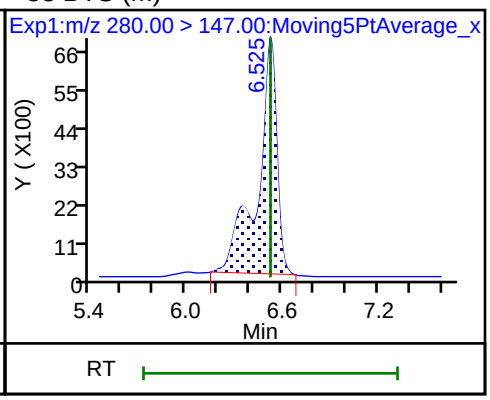
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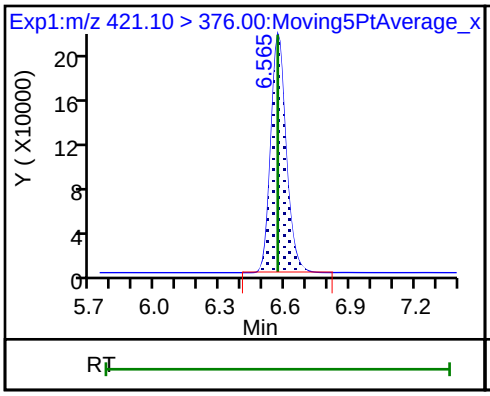
D 31 13C2-6:2FTS



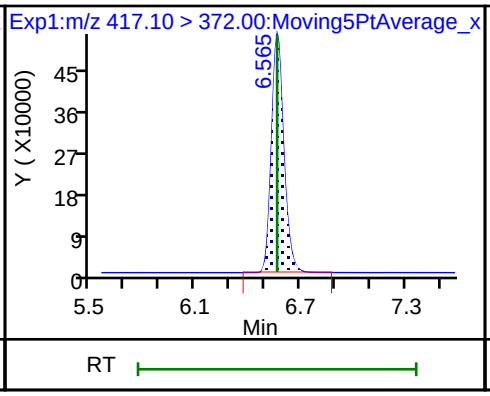
33 BTS (M)



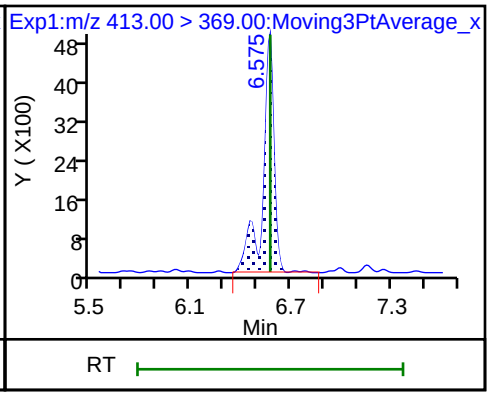
D 34 13C8 PFOA



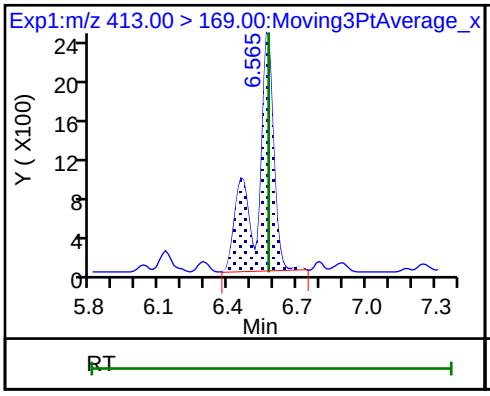
* 40 13C4 PFOA



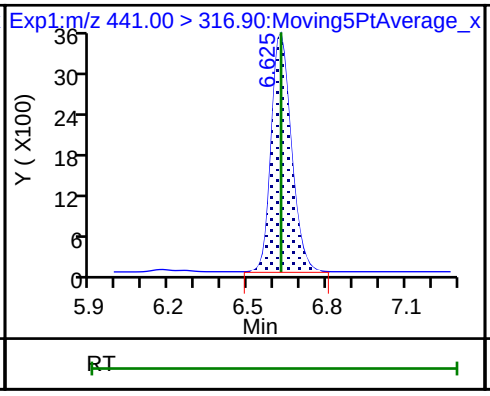
35 PFOA



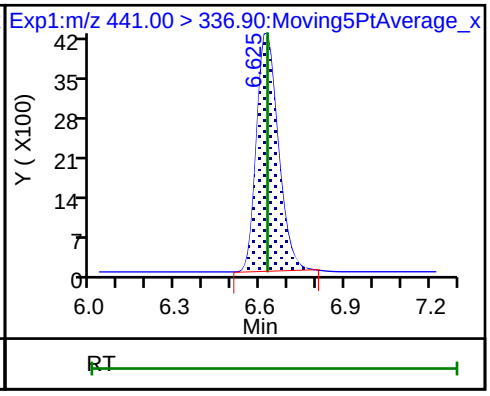
35 PFOA



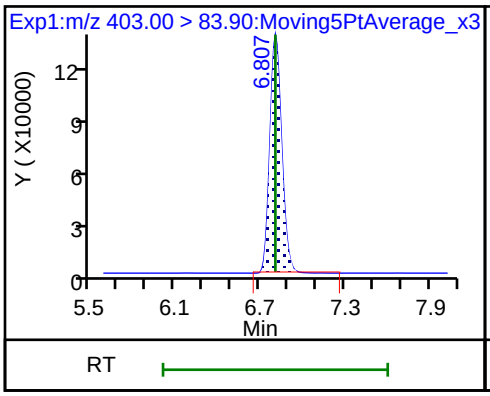
36 7:3 FTCA



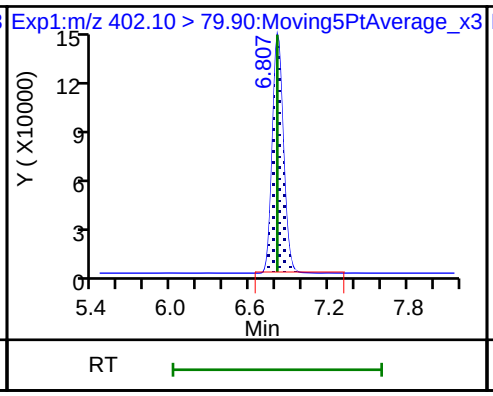
36 7:3 FTCA



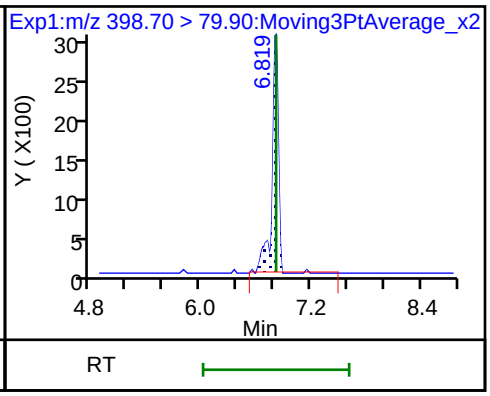
* 38 18O2 PFHxS



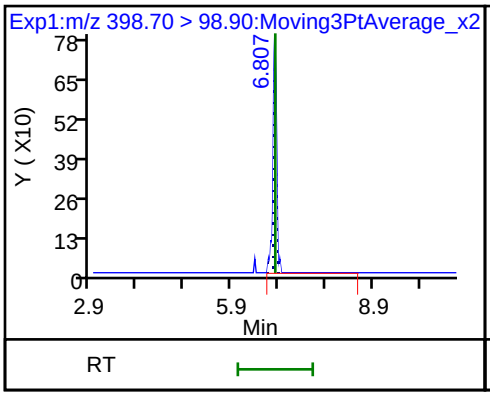
D 37 13C3 PFHxS



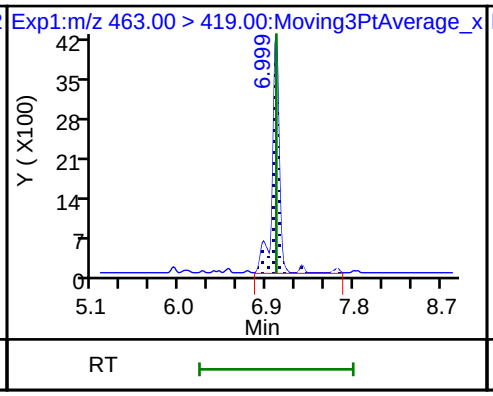
39 PFHxS



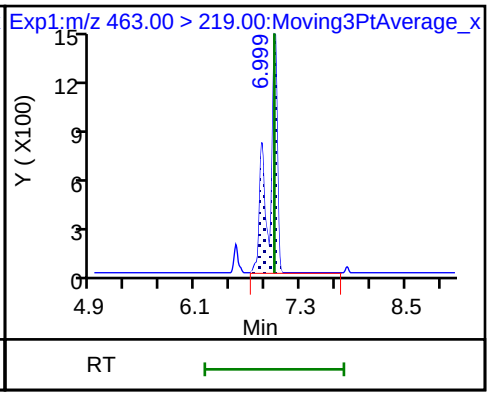
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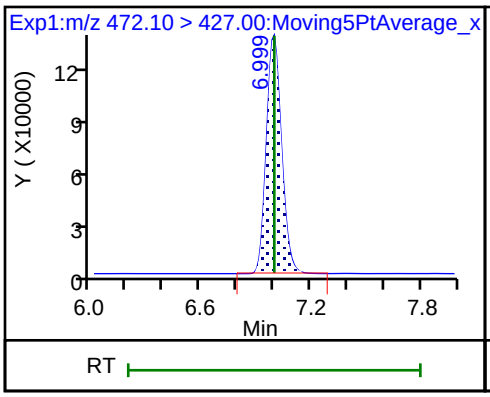
43 PFNA



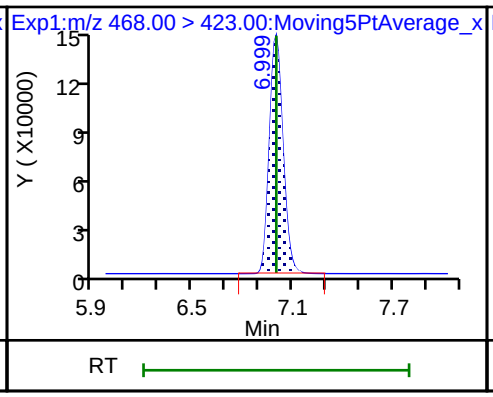
43 PFNA



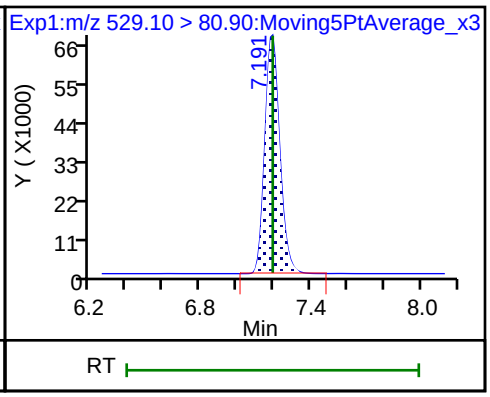
D 41 13C9 PFNA



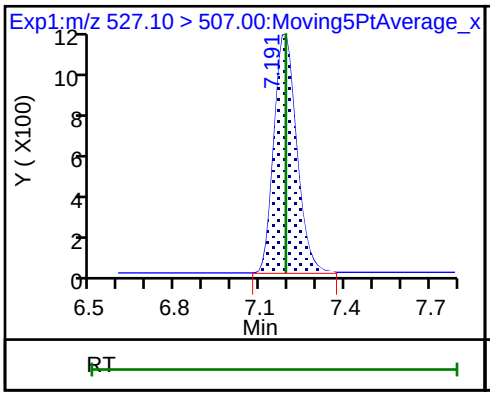
* 42 13C5 PFNA



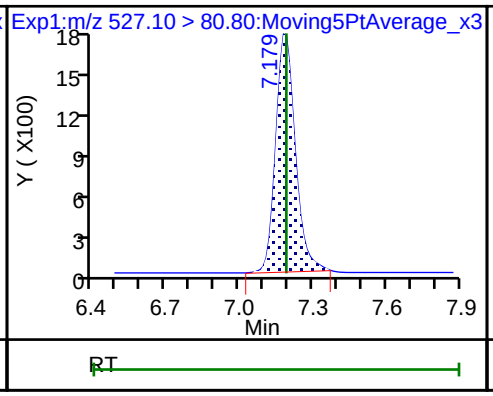
D 45 13C2-8:2FTS



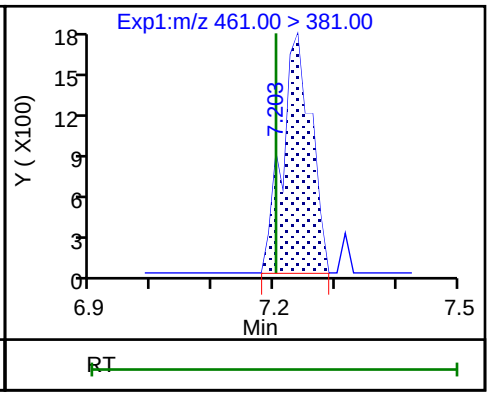
46 8:2FTS



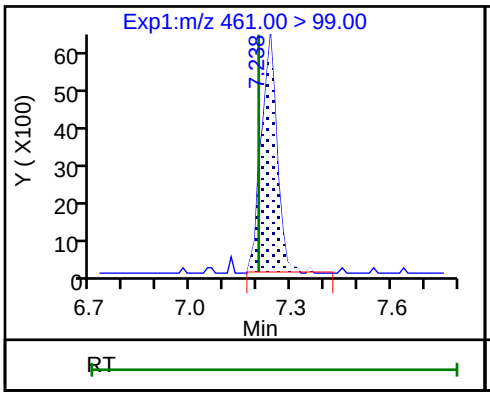
46 8:2FTS



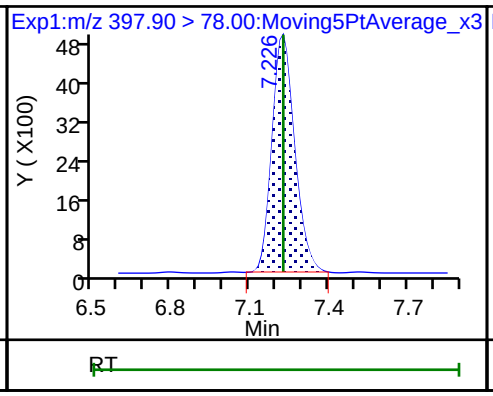
44 PFECHS



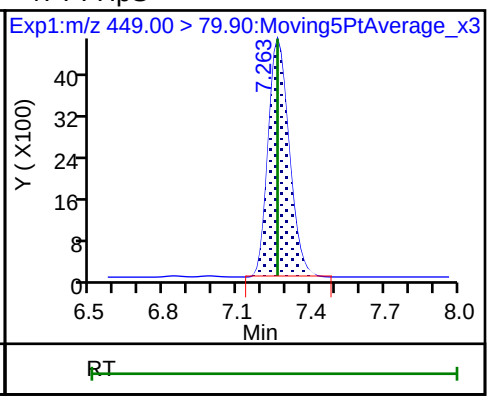
44 PFECHS



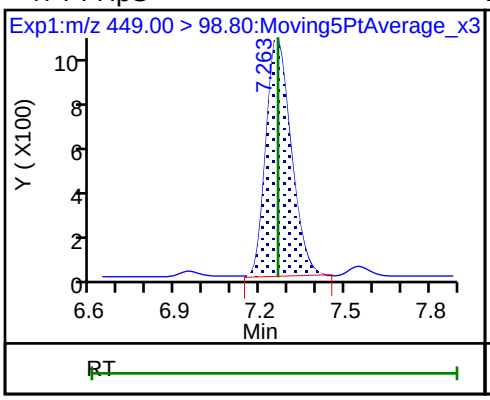
48 FHxSA



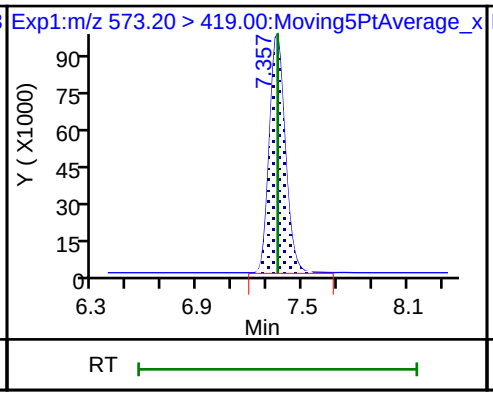
47 PFHpS



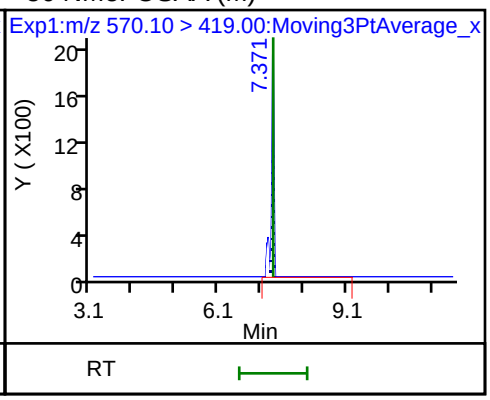
47 PFHpS



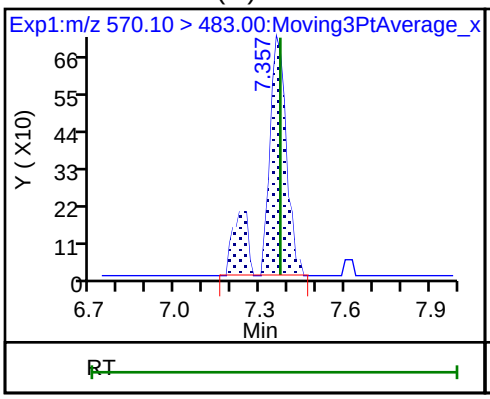
D 49 d3-NMeFOSAA



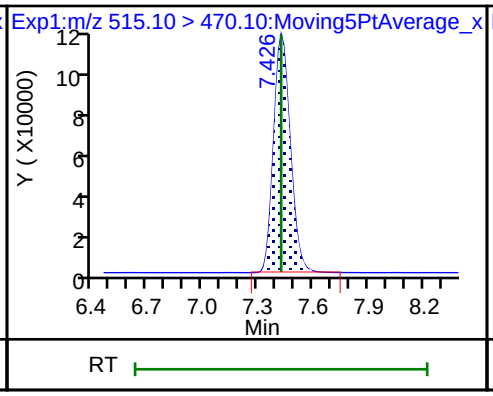
50 NMeFOSAA (M)



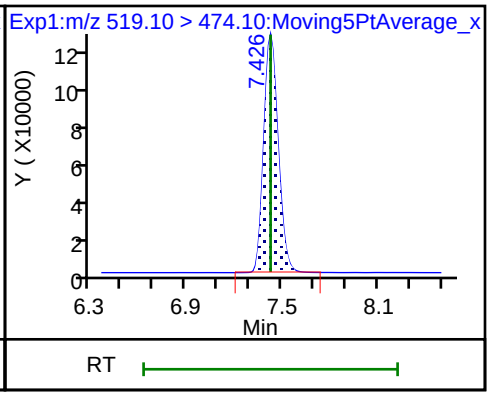
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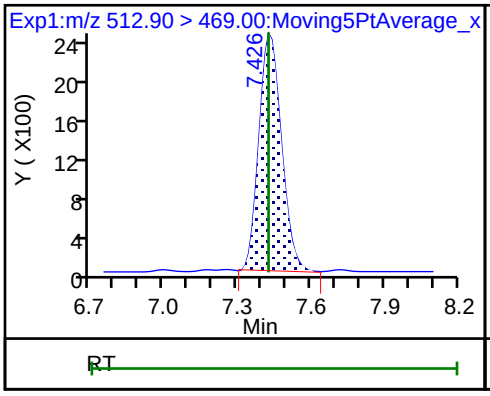
* 51 13C2 PFDA



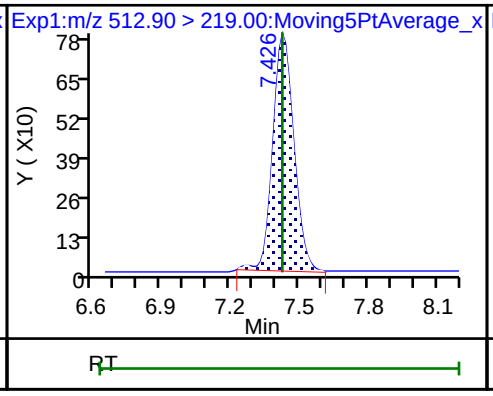
D 52 13C6 PFDA



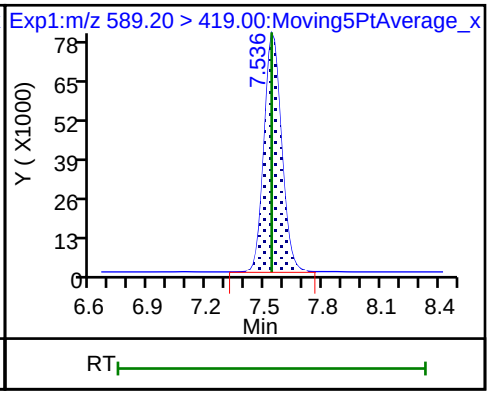
53 PFDA



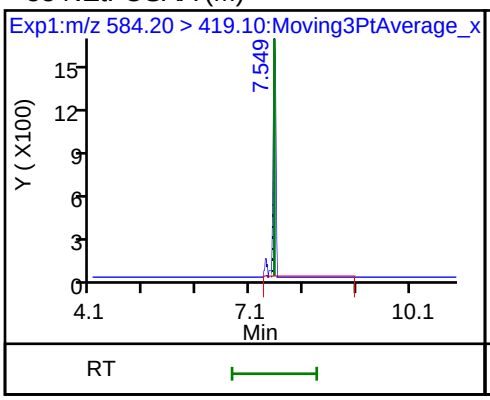
53 PFDA



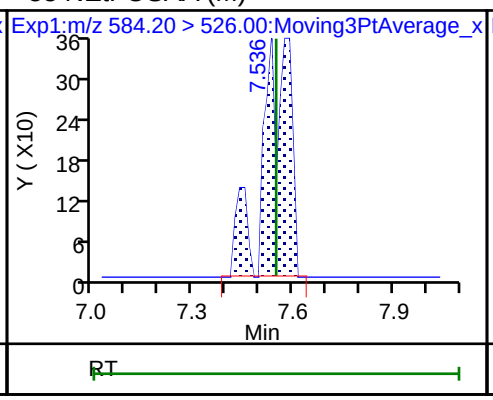
D 54 d5-NEtFOSAA



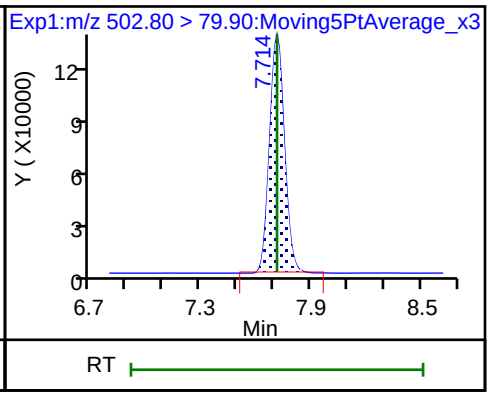
55 NEtFOSAA (M)



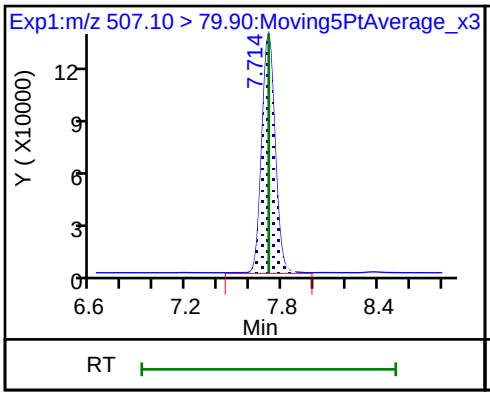
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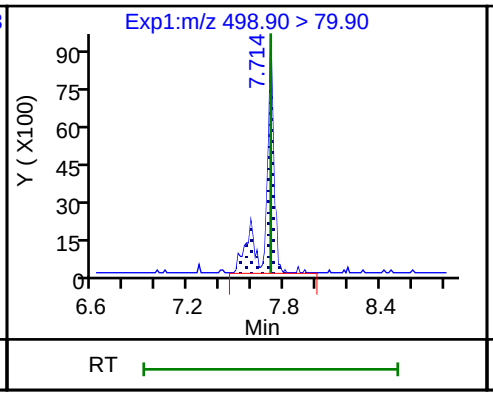
* 57 13C4 PFOS



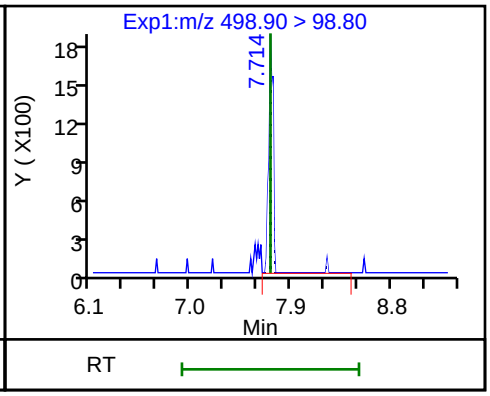
D 56 13C8 PFOS



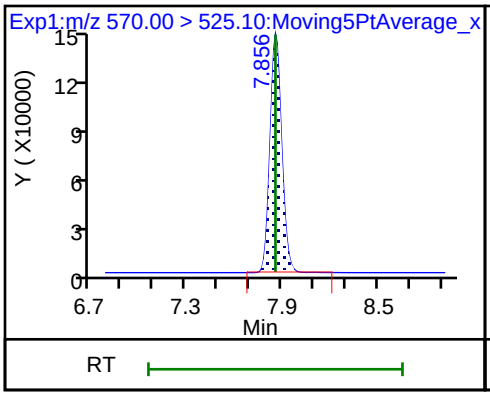
58 PFOS



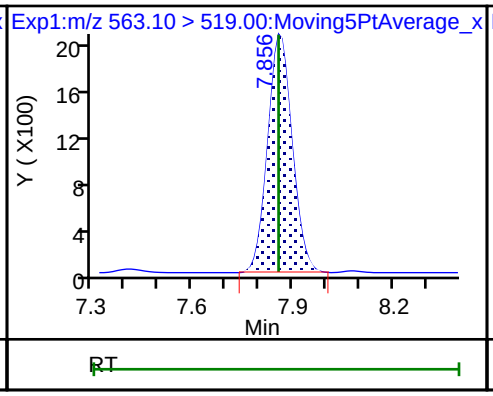
58 PFOS



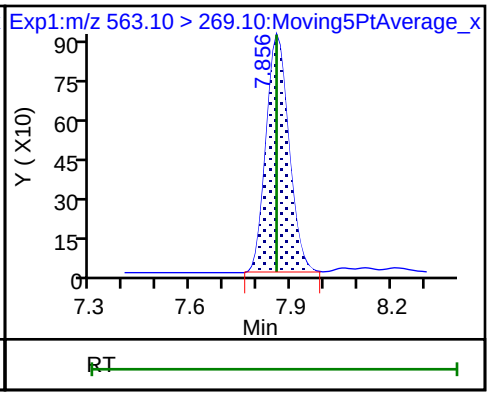
D 59 13C7 PFUnA



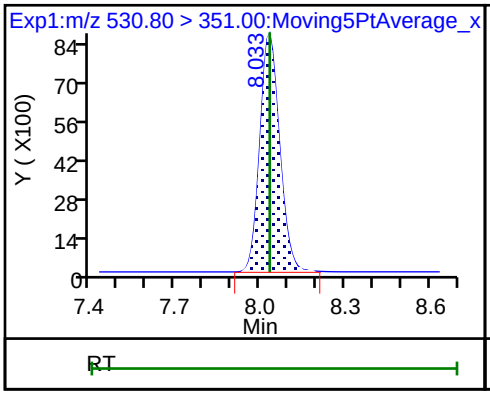
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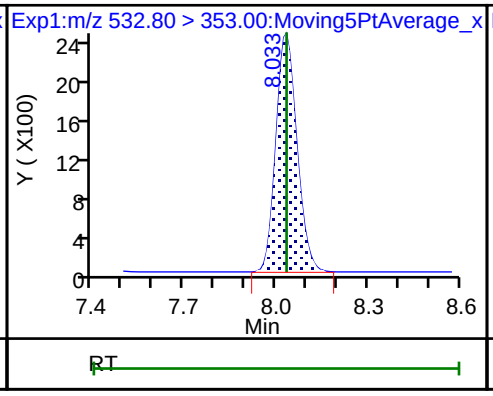
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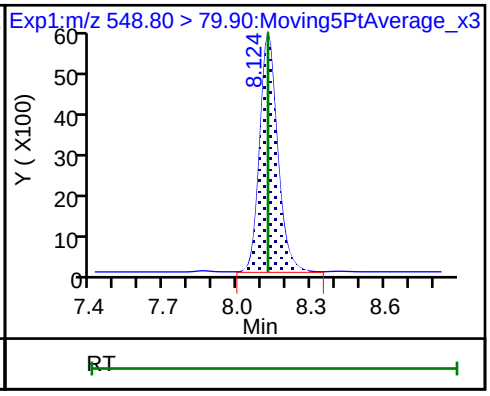
61 9ClFOS



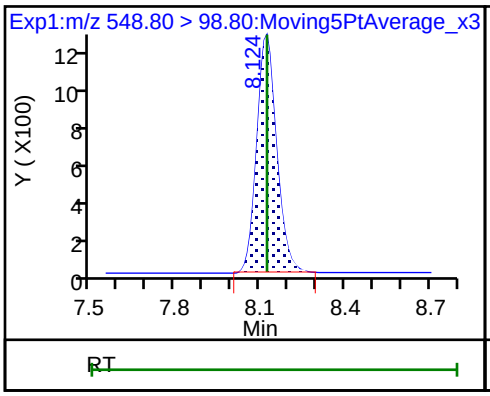
61 9ClFOS



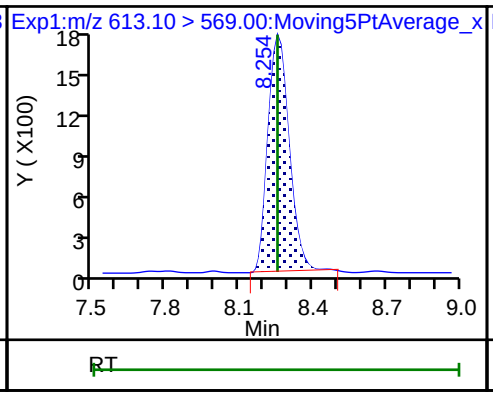
62 PFNS



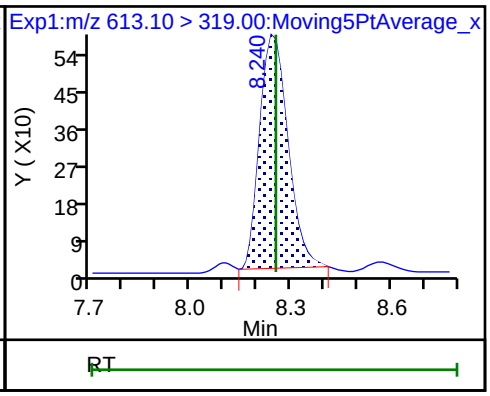
62 PFNS



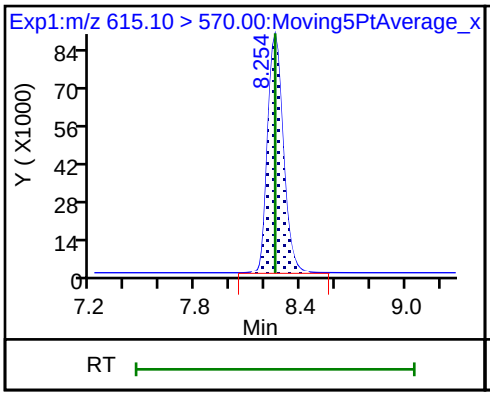
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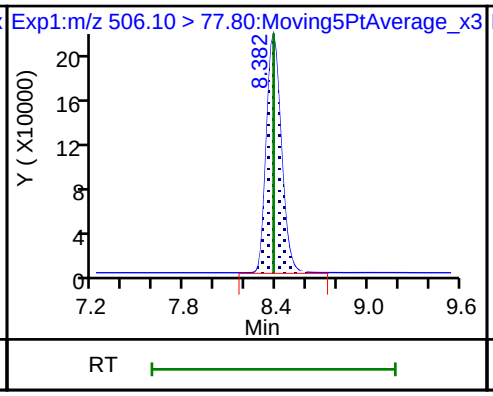
64 PFDoA



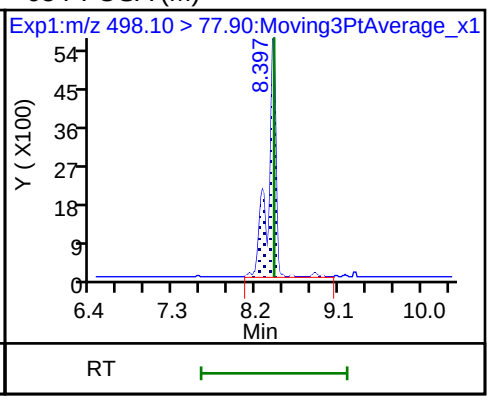
D 63 PFDoA



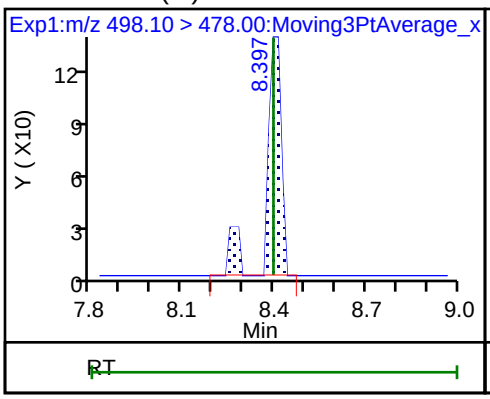
D 66 13C8 FOSA



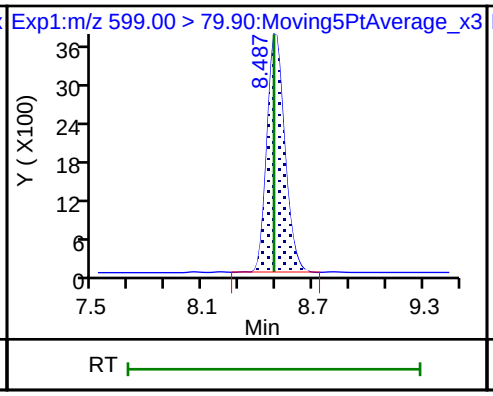
65 PFOSA (M)



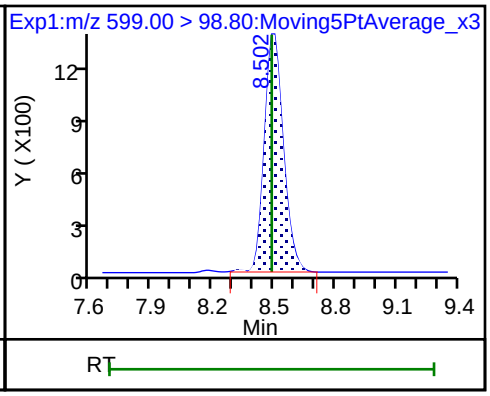
65 PFOSA (M)



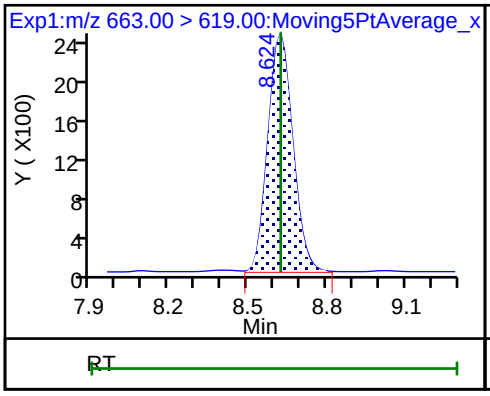
67 PFDS



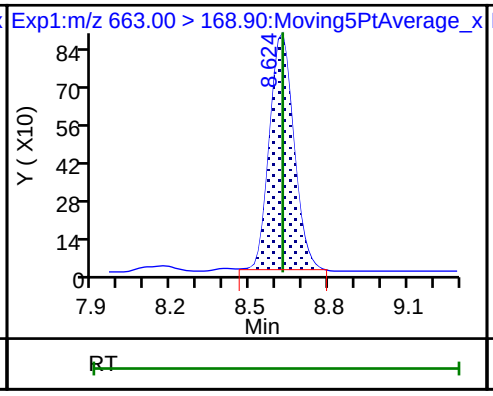
67 PFDS



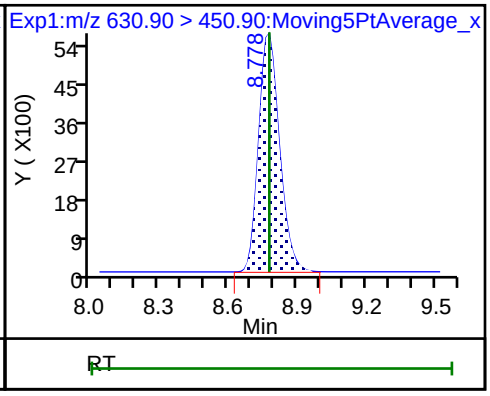
68 PFTrDA



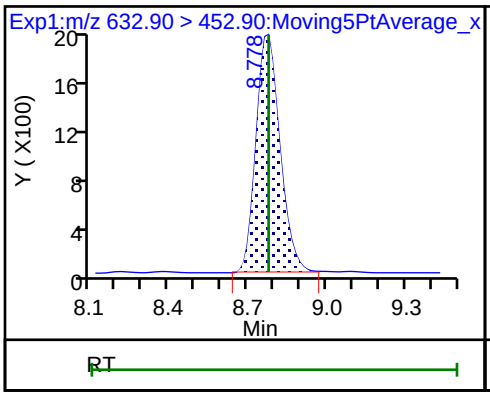
68 PFTrDA



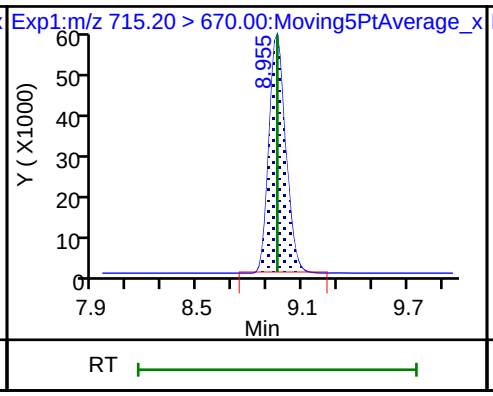
69 11ClFOS



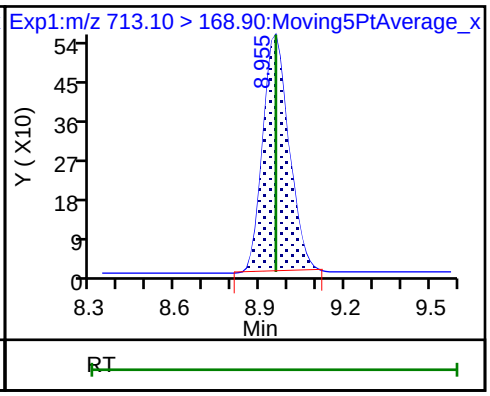
69 11ClFOS



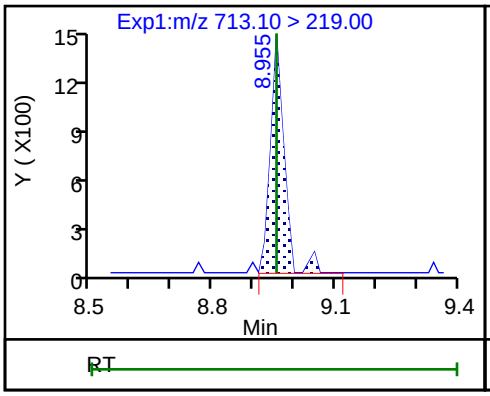
D 70 13C2 PFTeDA



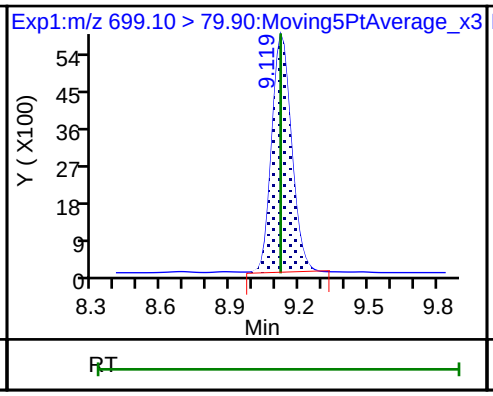
71 PFTeDA



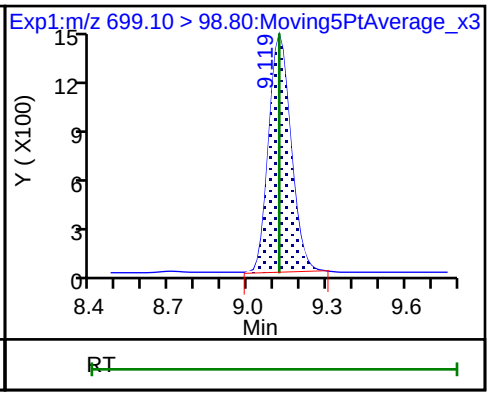
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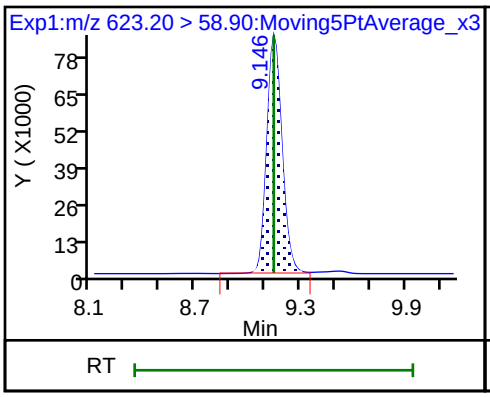
72 PFDoS



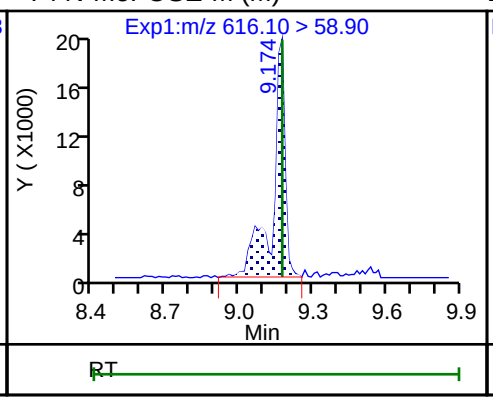
72 PFDoS



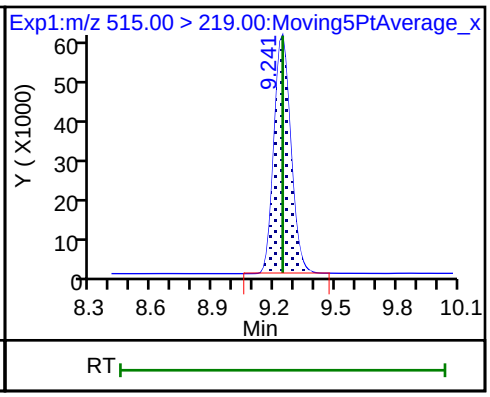
D 73 d7-N-Me-FOSE



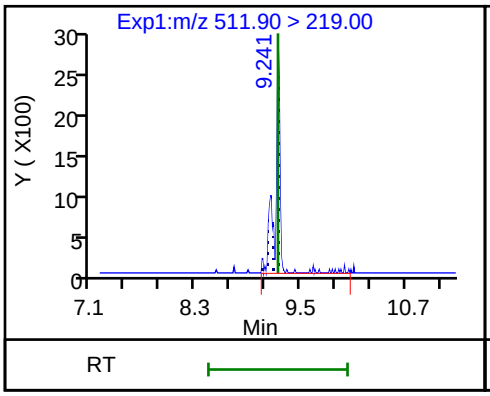
74 N-MeFOSE-M (M)



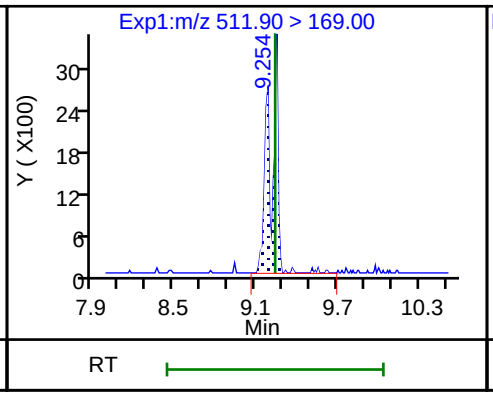
D 75 d3-NMePFOSA



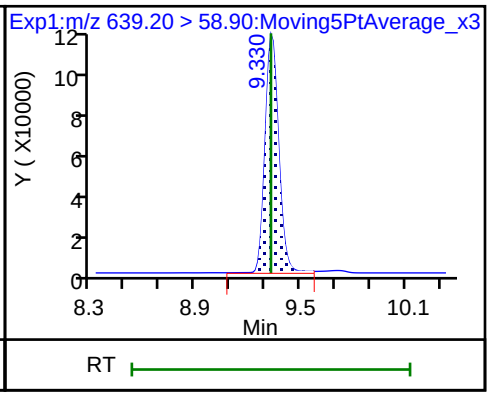
76 NMeFOSA



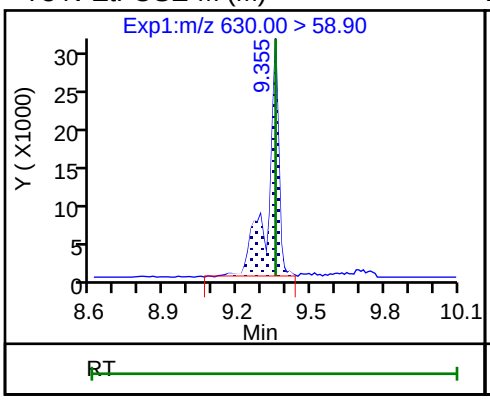
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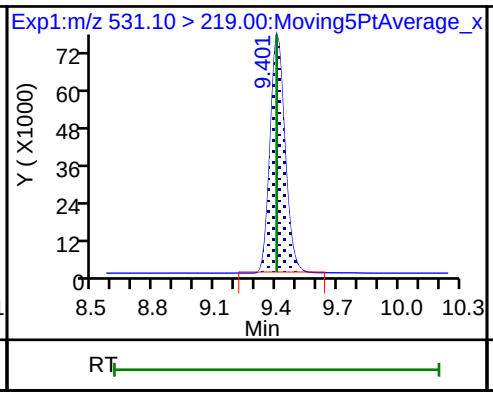
D 77 d9-N-EtFOSE



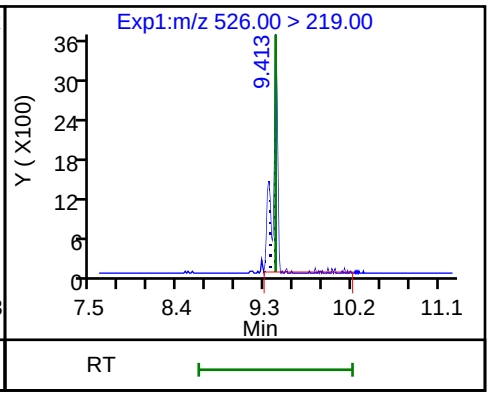
78 N-EtFOSE-M (M)



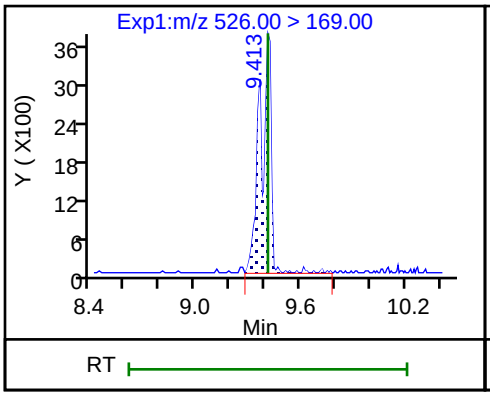
D 79 d5-NEtPFOSA



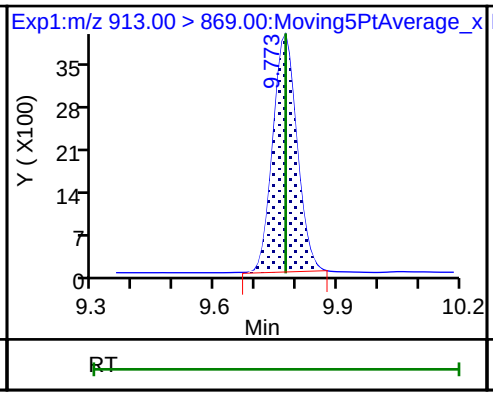
80 N-EtFOSA-M



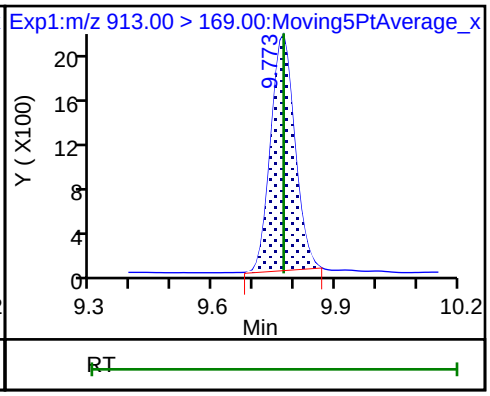
80 N-EtFOSA-M



81 Perfluorooctadecanoic acid



81 Perfluorooctadecanoic acid



FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: CCV 410-613851/46 Calibration Date: 03/07/2025 01:17

Instrument ID: 30729 Calib Start Date: 03/03/2025 18:24

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 03/03/2025 20:03

Lab File ID: 25MAR06-33.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoropropionic acid (PFPrA)	AveID	1.105	1.041		4.71	5.00	-5.8	30.0
Perfluorobutanoic acid	AveID	1.005	1.046		2.08	2.00	4.1	30.0
Perfluoro-3-methoxypropanoic acid	AveID	1.737	1.667		0.960	1.00	-4.0	30.0
3:3 FTCA	AveID	0.1000	0.0940		1.88	2.00	-6.0	30.0
Perfluoropentanoic acid	L2ID		1.553		0.962	1.00	-3.8	30.0
Perfluoro(4-methoxybutanoic acid)	AveID	1.920	1.834		0.955	1.00	-4.5	30.0
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	AveID	1.477	1.284		1.62	1.87	-13.1	30.0
Perfluoro-3,6-dioxaheptanoic acid	AveID	0.5869	0.5289		0.901	1.00	-9.9	30.0
Perfluorohexanoic acid	L2ID		0.8769		0.950	1.00	-5.0	30.0
5:3 FTCA	AveID	0.1788	0.1751		4.90	5.00	-2.1	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	0.998	0.9397		0.942	1.00	-5.8	30.0
Perfluorobutanesulfonic acid	L2ID		0.6196		0.805	0.888	-9.4	30.0
HFPO-DA	AveID	1.074	0.9861		0.688	0.750	-8.2	30.0
PFEESA	AveID	3.007	2.847		0.844	0.892	-5.3	30.0
Perfluoroheptanoic acid	L2ID		0.9268		1.01	1.00	1.3	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	2.558	2.308		0.854	0.946	-9.8	30.0
Perfluoropentanesulfonic acid	AveID	1.192	1.201		0.947	0.940	0.8	30.0
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	AveID	1.202	1.168		1.84	1.90	-2.8	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	2.944	2.976		0.990	0.979	1.1	30.0
Perfluorooctanoic acid	AveID	0.7474	0.7247		0.970	1.00	-3.0	30.0
7:3 FTCA	AveID	0.1796	0.1795		5.00	5.00	-0.0	30.0
Perfluorohexanesulfonic acid	AveID	0.6725	0.6357		0.862	0.912	-5.5	30.0
Perfluorononanoic acid	L2ID		0.8512		0.992	1.00	-0.8	30.0
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	AveID	0.7471	0.9077		2.33	1.92	21.5	30.0
Perfluoro-4-ethylcyclohexane sulfonic acid (PFECHS)	L2ID		0.2555		0.861	0.924	-6.8	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	1.408	1.371		0.974	1.00	-2.6	30.0
Perfluoroheptanesulfonic acid	AveID	1.303	1.077		0.789	0.954	-17.3	30.0
NMeFOSAA	AveID	1.191	1.120		0.941	1.00	-5.9	30.0
Perfluorodecanoic acid	L2ID		0.6457		0.884	1.00	-11.6	30.0
NEtFOSAA	AveID	0.8731	0.8952		1.03	1.00	2.5	30.0
Perfluorooctanesulfonic acid	L2ID		1.366		0.844	0.930	-9.2	30.0
Perfluoroundecanoic acid	L2ID		0.5522		1.02	1.00	2.4	30.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	AveID	1.446	1.510		0.976	0.934	4.5	30.0
Perfluorononanesulfonic acid	AveID	1.238	1.288		1.00	0.962	4.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: CCV 410-613851/46 Calibration Date: 03/07/2025 01:17

Instrument ID: 30729 Calib Start Date: 03/03/2025 18:24

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 03/03/2025 20:03

Lab File ID: 25MAR06-33.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorododecanoic acid	AveID	0.7862	0.7883		1.00	1.00	0.3	30.0
Perfluorooctanesulfonamide	AveID	0.9172	0.8966		0.977	1.00	-2.3	30.0
Perfluorodecanesulfonic acid	AveID	1.347	1.232		0.882	0.964	-8.5	30.0
Perfluorotridecanoic acid	AveID	1.362	1.288		0.946	1.00	-5.4	30.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	AveID	1.495	1.347		0.851	0.944	-9.9	30.0
Perfluorotetradecanoic acid	L2ID		0.3094		0.931	1.00	-6.9	30.0
Perfluorododecanesulfonic acid (PFDoS)	L2ID		1.588		0.782	0.970	-19.4	30.0
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	AveID	2.647	2.678		5.06	5.00	1.2	30.0
NMeFOSA	AveID	1.070	1.049		0.980	1.00	-2.0	30.0
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	AveID	3.124	3.134		5.02	5.00	0.3	30.0
N-ethylperfluoro-1-octanesulfonamide	AveID	1.204	1.118		0.929	1.00	-7.1	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	2.111	1.152		0.546	1.00	-45.4*	30.0
13C3 PFPrA	Ave	0.5590	0.5702		2.04	2.00	2.0	30.0
13C4 PFBA	Ave	0.8838	0.8514		1.93	2.00	-3.7	30.0
13C5 PFPeA	Ave	0.7146	0.7006		1.96	2.00	-2.0	30.0
M2-4:2 FTS	Ave	0.1655	0.1711		4.85	4.69	3.4	30.0
13C5 PFHxA	Ave	1.162	1.151		1.98	2.00	-0.9	30.0
13C3 PFBS	Ave	1.229	1.241		1.88	1.86	1.0	30.0
13C3 HFPO-DA	Ave	1.136	1.224		2.16	2.00	7.8	30.0
13C4 PFHpA	Ave	1.120	1.116		1.99	2.00	-0.3	30.0
M2-6:2 FTS	Ave	0.1633	0.1727		5.03	4.76	5.8	30.0
13C8 PFOA	Ave	0.9639	0.9604		1.99	2.00	-0.4	30.0
13C3 PFHxS	Ave	0.9789	0.9423		1.83	1.90	-3.7	30.0
13C9 PFNA	Ave	0.9802	0.9241		1.89	2.00	-5.7	30.0
M2-8:2 FTS	Ave	0.1754	0.1532		4.19	4.80	-12.7	30.0
d3-NMeFOSAA	Ave	0.2581	0.2604		5.04	5.00	0.9	30.0
13C6 PFDA	Ave	1.028	1.056		2.05	2.00	2.7	30.0
d5-NEtFOSAA	Ave	0.2260	0.2371		5.25	5.00	4.9	30.0
13C8 PFOS	Ave	0.9151	0.9627		2.01	1.92	5.2	30.0
13C7 PFUnA	Ave	0.8165	0.9592		2.35	2.00	17.5	30.0
13C2 PFDoA	Ave	0.5968	0.7752		2.60	2.00	29.9	30.0
13C8 FOSA	Ave	1.519	1.731		2.28	2.00	13.9	30.0
13C2 PFTeDA	Ave	0.5332	0.5309		1.99	2.00	-0.4	30.0
d7-N-MeFOSE-M	Ave	0.2547	0.2328		4.57	5.00	-8.6	30.0
d3-NMePFOSA	Ave	0.4706	0.4384		1.86	2.00	-6.8	30.0
d9-N-EtFOSE-M	Ave	0.3106	0.2878		4.63	5.00	-7.3	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: CCV 410-613851/46 Calibration Date: 03/07/2025 01:17

Instrument ID: 30729 Calib Start Date: 03/03/2025 18:24

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 03/03/2025 20:03

Lab File ID: 25MAR06-33.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d5-NEtPFOSA	Ave	0.5230	0.4812		1.84	2.00	-8.0	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR06-33.d
Lims ID: CCV 4_CAL 4
Client ID:
Sample Type: CCV
Inject. Date: 07-Mar-2025 01:17:15 ALS Bottle#: 20005 Worklist Smp#: 46
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: CCV 4_CAL 4
Misc. Info.: Plate: 1 Rack: 1 410-0140106-046
Operator ID: ETUS023_USR_INS00054 Instrument ID: 30729
Sublist: chrom-30729_1633Final*sub1

Method: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\30729_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 10-Mar-2025 15:15:50 Calib Date: 03-Mar-2025 20:03:32
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-08.d

Column 1 : Det: EXP1
Process Host: CTX1629

First Level Reviewer: LDU5 Date: 10-Mar-2025 14:43:45
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
1 Perfluoropropionic acid										M
163.00 > 119.00	1.852	1.869	-0.017	1.000	1182681	4.71		94.2	3384	M
D 2 13C3PFPrA										
166.00 > 121.00	1.852	1.869	-0.017	0.416	454323	2.04		102	194	
5 PFBA										
212.80 > 168.90	4.443	4.450	-0.007	1.000	709799	2.08		104	22381	
D 3 13C4-PFBA										
216.80 > 171.90	4.443	4.450	-0.007	0.998	678369	1.93		96.3	14618	
* 4 13C3PFBA										
216.00 > 172.00	4.452	4.459	-0.007		796758	2.00			150	
6 PFMPA										
229.00 > 84.90	4.775	4.786	-0.011	0.931	484437	0.9596		96.0	18745	
7 3:3 FTCA										
241.00 > 177.00	4.787	4.798	-0.011	0.933	54629	1.88	Target=1.07	94.0	3389	
241.00 > 117.00	4.787	4.798	-0.011	0.933	52713		1.04(0.53-1.60)		3263	
D 9 13C5 PFPeA										
268.30 > 223.00	5.132	5.142	-0.010	0.906	581218	1.96		98.0	34473	
10 PFPA										
263.00 > 219.00	5.132	5.142	-0.010	1.000	451367	0.9618		96.2	19883	
11 PFMBA										
279.00 > 85.10	5.308	5.330	-0.022	1.034	533000	0.9551		95.5	31273	
D 12 13C2-4:2FTS										
329.10 > 80.90	5.457	5.479	-0.022	0.807	348531	4.85		103	12682	
13 4:2FTS										
327.10 > 307.00	5.457	5.479	-0.022	1.000	178235	1.62	Target=1.39	86.9	10652	
327.10 > 80.90	5.457	5.479	-0.022	1.000	147430		1.21(0.69-2.08)		8692	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
15 NFDHA										
295.00 > 201.00	5.618	5.640	-0.022	0.992	252499	0.9011	Target=1.25	90.1	14738	
295.00 > 84.90	5.618	5.640	-0.022	0.992	206451		1.22(0.63-1.88)		12024	
D 16 13C5 PFHxA										
318.00 > 273.00	5.664	5.676	-0.012	1.000	954854	1.98		99.1	56633	
* 17 13C2 PFHxA										
315.10 > 270.00	5.664	5.676	-0.012		2073988	5.00			123356	
18 PFHxA										
313.00 > 269.00	5.664	5.687	-0.023	1.000	418667	0.9496	Target=10.83	95.0	18687	
313.00 > 118.90	5.664	5.687	-0.023	1.000	40975		10.22(5.41-16.24)		2496	
20 5:3 FTCA										
341.00 > 237.10	5.737	5.762	-0.025	1.013	417924	4.90	Target=0.92	97.9	23735	
341.00 > 217.00	5.737	5.762	-0.025	1.013	427030		0.98(0.46-1.37)		23885	
14 FBSA										
297.90 > 78.00	5.778	5.804	-0.026	0.998	506634	0.9419		94.2	143767	
21 PFBS										
298.70 > 79.90	5.792	5.818	-0.026	1.000	296667	0.8048	Target=2.85	90.6	14303	
298.70 > 98.80	5.792	5.818	-0.026	1.000	95786		3.10(1.43-4.28)		4558	
D 19 13C3 PFBS										
302.10 > 79.90	5.792	5.818	-0.026	0.857	1005004	1.88		101	47926	
D 23 13C3 HFPO-DA										
286.90 > 168.90	5.861	5.873	-0.012	1.035	1015451	2.16		108	53983	
22 HFPO-DA										
284.90 > 168.90	5.861	5.887	-0.026	1.000	375515	0.6884	Target=2.51	91.8	20016	
284.90 > 184.90	5.861	5.887	-0.026	1.000	161271		2.33(1.25-3.76)		8613	
25 PFEESA										
314.80 > 134.90	6.042	6.082	-0.040	1.067	1212371	0.8445	Target=10.92	94.7	45314	
314.80 > 82.90	6.042	6.082	-0.040	1.067	101219		11.98(5.46-16.39)		5112	
D 27 13C4 PFHpA										
367.10 > 322.00	6.112	6.135	-0.023	1.079	926178	1.99		99.7	51827	
28 PFHpA										
363.10 > 319.00	6.112	6.135	-0.023	1.000	429179	1.01	Target=2.23	101	18193	
363.10 > 169.00	6.112	6.135	-0.023	1.000	180624		2.38(1.12-3.35)		10153	
29 ADONA										
376.90 > 250.90	6.267	6.297	-0.030	1.069	1108349	0.8535	Target=1.60	90.2	17875	
376.90 > 84.80	6.267	6.297	-0.030	1.069	633906		1.75(0.80-2.40)		40559	
30 PFPeS										
349.10 > 79.90	6.299	6.339	-0.040	0.932	462065	0.9472	Target=3.47	101	28677	
349.10 > 98.90	6.310	6.339	-0.029	0.933	131366		3.52(1.73-5.20)		8064	
32 6:2FTS										
427.10 > 407.00	6.320	6.349	-0.029	1.002	166231	1.84	Target=1.13	97.2	11216	
427.10 > 80.90	6.320	6.349	-0.029	1.002	140816		1.18(0.56-1.69)		9566	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.310	6.349	-0.039	0.933	357233	5.03		106	23950	
33 BTS										M
280.00 > 147.00	6.476	6.525	-0.049	0.958	1192845	0.9897		101	29498	M
D 34 13C8 PFOA										
421.10 > 376.00	6.527	6.565	-0.038	1.000	959082	1.99		99.6	49190	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 40 13C4 PFOA										
417.10 > 372.00	6.527	6.565	-0.038		2496528	5.00			127340	
35 PFOA										M
413.00 > 369.00	6.537	6.575	-0.038	1.002	347546	0.9696	Target=1.69	97.0	835	M
413.00 > 169.00	6.537	6.575	-0.038	1.002	215985		1.61(0.85-2.54)		449	
36 7:3 FTCA										
441.00 > 316.90	6.586	6.625	-0.039	1.163	428482	5.00	Target=0.93	99.9	28190	
441.00 > 336.90	6.586	6.625	-0.039	1.163	471460		0.91(0.46-1.39)		31292	
* 38 18O2 PFHxS										
403.00 > 83.90	6.762	6.807	-0.045		821972	1.89			47566	
D 37 13C3 PFHxS										
402.10 > 79.90	6.762	6.807	-0.045	1.000	776190	1.83		96.3	45274	
39 PFHxS										
398.70 > 79.90	6.774	6.819	-0.044	1.002	237352	0.8621	Target=3.39	94.5	1855	
398.70 > 98.90	6.774	6.819	-0.044	1.002	71983		3.30(1.70-5.09)		632	
D 41 13C9 PFNA										
472.10 > 427.00	6.953	6.999	-0.046	1.000	814281	1.89		94.3	36262	
* 42 13C5 PFNA										
468.00 > 423.00	6.953	6.999	-0.046		881134	2.00			39110	
43 PFNA										
463.00 > 419.00	6.953	6.999	-0.046	1.000	346564	0.99	Target=2.10	99.2	2481	
463.00 > 219.00	6.953	6.999	-0.046	1.000	157519		2.20(1.05-3.15)		669	
D 45 13C2-8:2FTS										
529.10 > 80.90	7.134	7.191	-0.057	1.055	319448	4.19		87.3	18921	
46 8:2FTS										
527.10 > 507.00	7.134	7.191	-0.057	1.000	115739	2.33	Target=0.72	121	7094	
527.10 > 80.80	7.146	7.191	-0.045	1.002	130738		0.89(0.36-1.07)		7667	
44 PFECHS										
461.00 > 381.00	7.181	7.203	-0.022	1.062	96650	0.8613	Target=0.22	93.2	112	
461.00 > 99.00	7.181	7.203	-0.022	1.062	447099		0.22(0.11-0.33)		338	
48 FHxSA										
397.90 > 78.00	7.205	7.226	-0.021	1.065	561318	0.9735		97.4	22729	
47 PFHpS										
449.00 > 79.90	7.216	7.263	-0.047	0.943	411122	0.7886	Target=3.56	82.7	23595	
449.00 > 98.80	7.216	7.263	-0.047	0.943	108389		3.79(1.78-5.34)		6272	
D 49 d3-NMeFOSAA										
573.20 > 419.00	7.305	7.357	-0.052	0.954	541146	5.04		101	29293	
50 NMeFOSAA										
570.10 > 419.00	7.319	7.371	-0.052	1.002	121256	0.9406	Target=1.90	94.1	598	
570.10 > 483.00	7.319	7.371	-0.052	1.002	63921		1.90(0.95-2.86)		152	
* 51 13C2 PFDA										
515.10 > 470.10	7.374	7.426	-0.052		715791	2.00			38209	
D 52 13C6 PFDA										
519.10 > 474.10	7.374	7.426	-0.052	1.000	756170	2.05		103	30228	
53 PFDA										
512.90 > 469.00	7.374	7.426	-0.052	1.000	244129	0.8837	Target=3.00	88.4	13132	
512.90 > 219.00	7.374	7.426	-0.052	1.000	90021		2.71(1.50-4.50)		4869	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.485	7.536	-0.051	0.978	492705	5.25		105	26033	
55 NEtFOSAA										
584.20 > 419.10	7.499	7.549	-0.050	1.002	88214	1.03	Target=2.01	103	529	
584.20 > 526.00	7.499	7.549	-0.050	1.002	45226		1.95(1.01-3.02)		157	
* 57 13C4 PFOS										
502.80 > 79.90	7.654	7.714	-0.060		794669	1.91			45034	
D 56 13C8 PFOS										
507.10 > 79.90	7.654	7.714	-0.060	1.000	765048	2.01		105	16262	
58 PFOS										
498.90 > 79.90	7.654	7.714	-0.060	1.000	508134	0.8443	Target=4.52	90.8	733	
498.90 > 98.80	7.654	7.714	-0.060	1.000	117948		4.31(2.26-6.78)		33963	
D 59 13C7 PFUnA										
570.00 > 525.10	7.796	7.856	-0.060	1.057	686596	2.35		117	44133	
60 PFUnA										
563.10 > 519.00	7.796	7.856	-0.060	1.000	189570	1.02	Target=2.41	102	11886	
563.10 > 269.10	7.796	7.856	-0.060	1.000	75351		2.52(1.20-3.61)		4794	
61 9ClFOS										
530.80 > 351.00	7.970	8.033	-0.063	1.360	716258	0.9756	Target=3.28	104	49870	
532.80 > 353.00	7.970	8.033	-0.063	1.360	233987		3.06(1.64-4.92)		16436	
62 PFNS										
548.80 > 79.90	8.056	8.124	-0.068	1.052	495608	1.00	Target=3.47	104	33803	
548.80 > 98.80	8.056	8.124	-0.068	1.052	132659		3.74(1.74-5.21)		8990	
64 PFDoA										
613.10 > 569.00	8.190	8.254	-0.064		218697	1.00	Target=2.89	100	12836	
613.10 > 319.00	8.190	8.254	-0.064		78123		2.80(1.45-4.34)		4605	
D 63 PFDoA										
615.10 > 570.00	8.190	8.254	-0.064	1.111	554850	2.60		130	32426	
D 66 13C8 FOSA										
506.10 > 77.80	8.355	8.382	-0.027	1.092	1438614	2.28		114	42872	
65 PFOSA										
498.10 > 77.90	8.370	8.397	-0.027	1.002	644916	0.9775	Target=73.95	97.7	3194	
498.10 > 478.00	8.355	8.397	-0.042	1.000	8465		76.19(36.97-110.92)		50.0	
67 PFDS										
599.00 > 79.90	8.431	8.487	-0.056	1.101	475258	0.8818	Target=3.95	91.5	24117	
599.00 > 98.80	8.431	8.487	-0.056	1.101	128450		3.70(1.98-5.93)		6523	
68 PFTrDA										
663.00 > 619.00	8.549	8.624	-0.075	0.962	301136	0.9459	Target=3.51	94.6	14926	
663.00 > 168.90	8.549	8.624	-0.075	0.962	91614		3.29(1.75-5.26)		4600	
69 11ClFOS										
630.90 > 450.90	8.698	8.778	-0.080	1.484	645804	0.8507	Target=3.05	90.1	34739	
632.90 > 452.90	8.698	8.778	-0.080	1.484	199901		3.23(1.52-4.57)		10733	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.885	8.955	-0.070	1.205	380028	1.99		99.6	19881	
71 PFTeDA										
713.10 > 168.90	8.885	8.955	-0.070	1.000	58782	0.9312	Target=1.07	93.1	3059	
713.10 > 219.00	8.885	8.955	-0.070	1.000	55048		1.07(0.54-1.61)		192	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
72 PFDoS										
699.10 > 79.90	9.045	9.119	-0.074	1.182	616460	0.7822	Target=4.48	80.6	33387	
699.10 > 98.80	9.045	9.119	-0.074	1.182	138866		4.44(2.24-6.72)		7562	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.142	9.146	-0.004	1.194	483877	4.57		91.4	8034	
74 N-MeFOSE-M										
616.10 > 58.90	9.169	9.174	-0.005	1.003	1295898	5.06		101	650	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.236	9.241	-0.005	1.207	364452	1.86		93.2	10687	
76 NMeFOSA										
511.90 > 219.00	9.249	9.241	0.008	1.001	191125	0.9804	Target=0.69	98.0	868	
511.90 > 169.00	9.249	9.241	0.008	1.001	276269		0.69(0.35-1.04)		1167	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.326	9.330	-0.004	1.218	598152	4.63		92.7	9258	
78 N-EtFOSE-M										
630.00 > 58.90	9.351	9.355	-0.004	1.003	1874855	5.02		100	5703	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.397	9.401	-0.004	1.228	399985	1.84		92.0	19862	
80 N-EtFOSA-M										
526.00 > 219.00	9.409	9.413	-0.004	1.001	223614	0.9289	Target=0.75	92.9	1006	
526.00 > 169.00	9.409	9.413	-0.004	1.001	305799		0.73(0.37-1.12)		1957	
81 Perfluorooctadecanoic acid										
913.00 > 869.00	9.634	9.773	-0.139	1.084	218987	0.5459	Target=2.09	54.6	10358	
913.00 > 169.00	9.634	9.773	-0.139	1.084	108199		2.02(1.04-3.13)		5104	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_CAL4_00033 Amount Added: 1.00 Units: mL

Report Date: 10-Mar-2025 15:15:51 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR06-33.d

Injection Date: 07-Mar-2025 01:17:15 Instrument ID: 30729

Lims ID: CCV 4_CAL 4

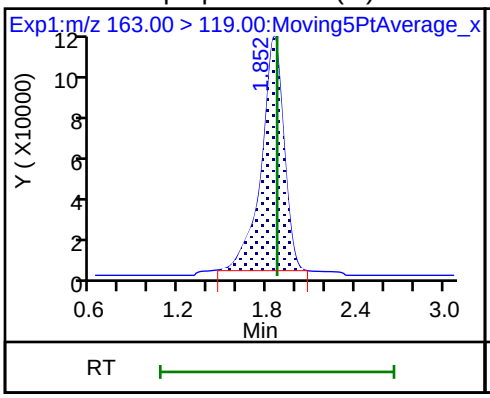
Client ID:

Operator ID: ETUS023_USR_INS00054 ALS Bottle#: 20005 Worklist Smp#: 46

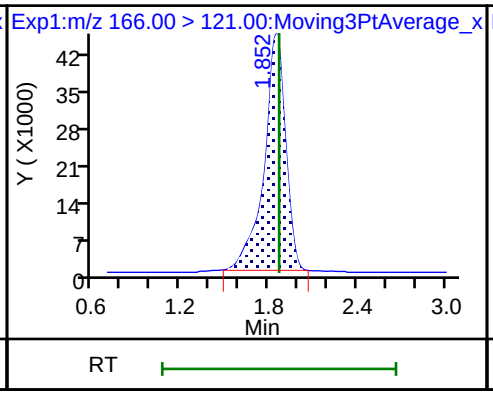
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 30729_1633Final Limit Group: LC - 1633 LVI- ICAL

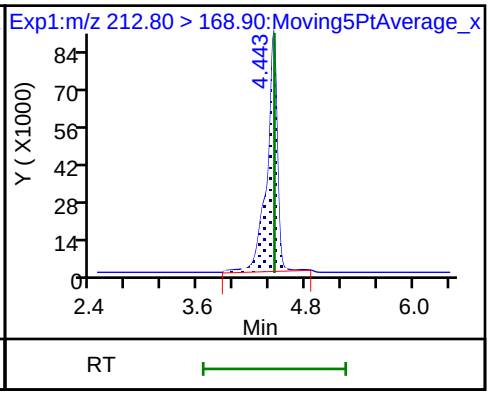
1 Perfluoropropionic acid (M)



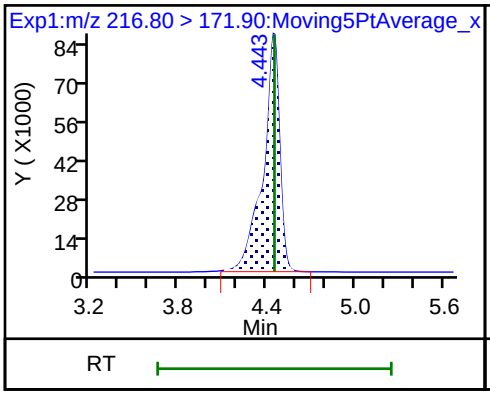
D 2 13C3PFPrA



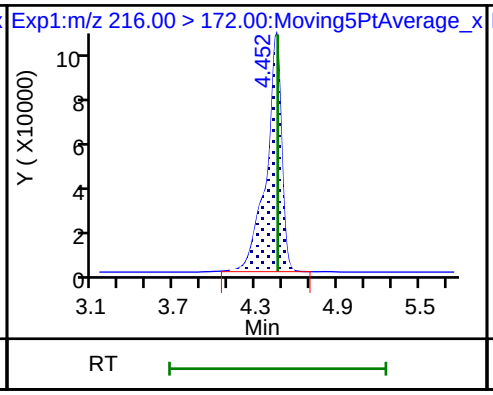
5 PFBA



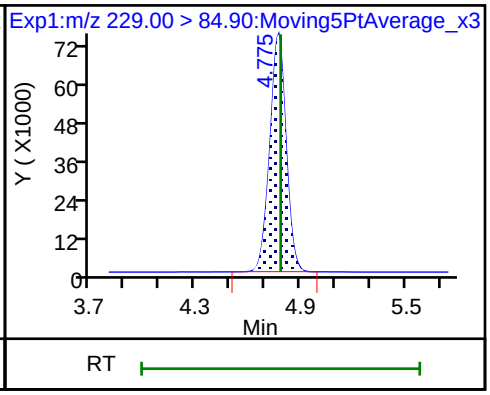
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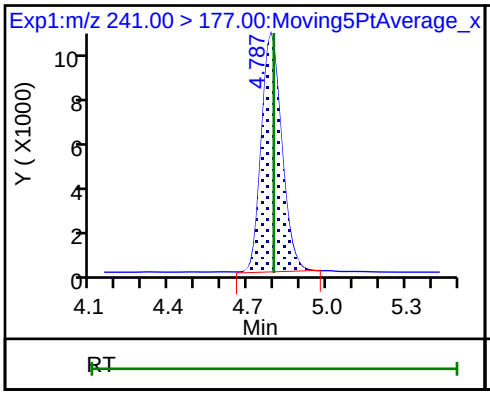
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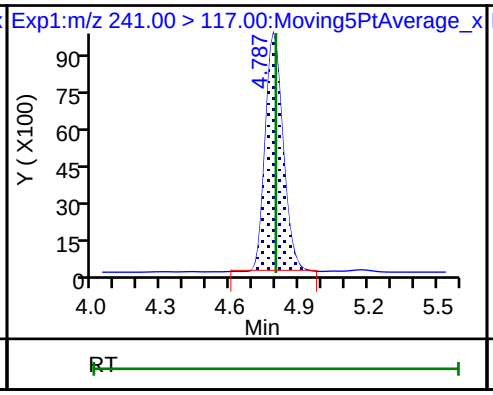
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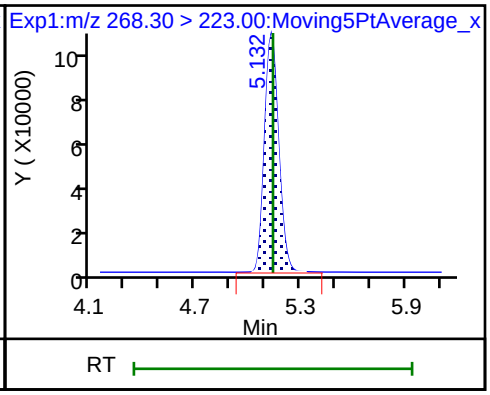
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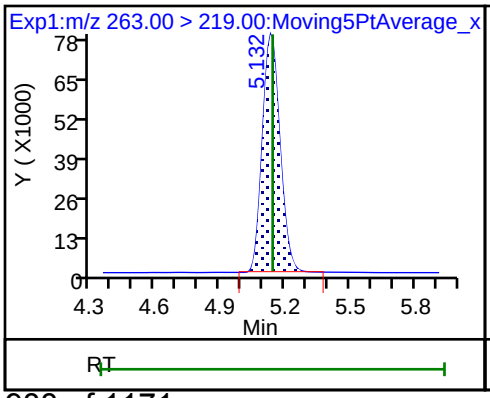
7 3:3 FTCA



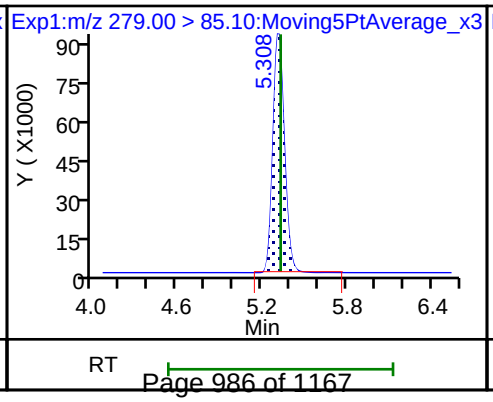
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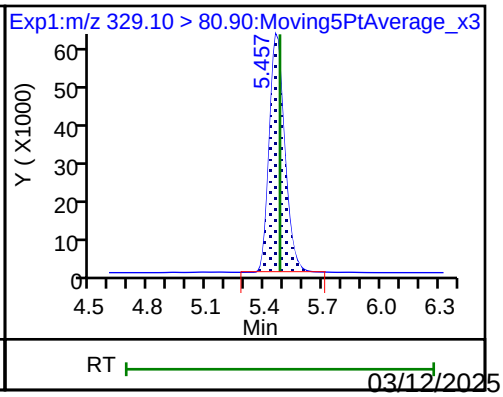
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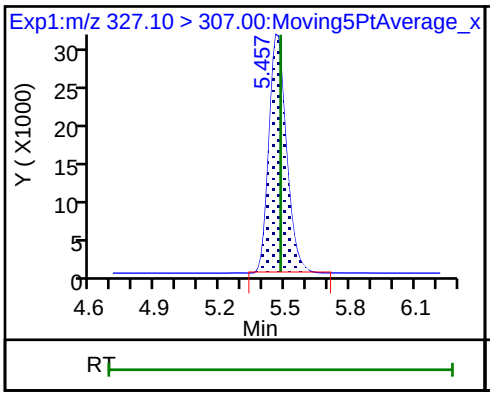
11 PFMBA



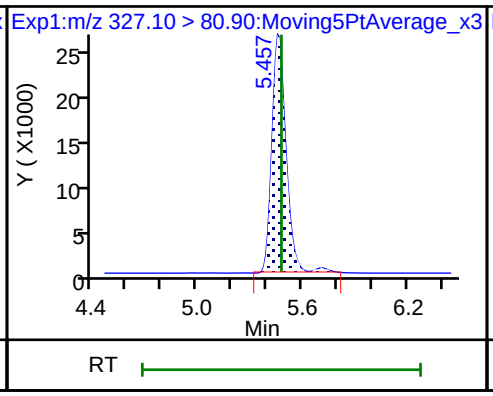
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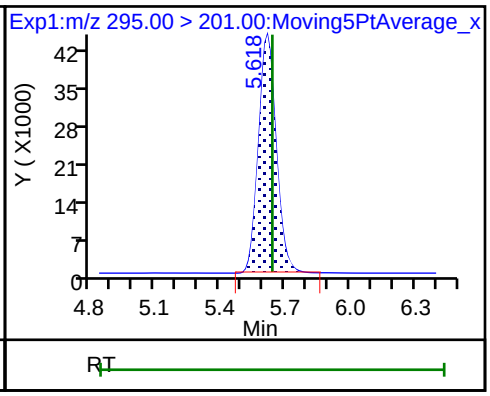
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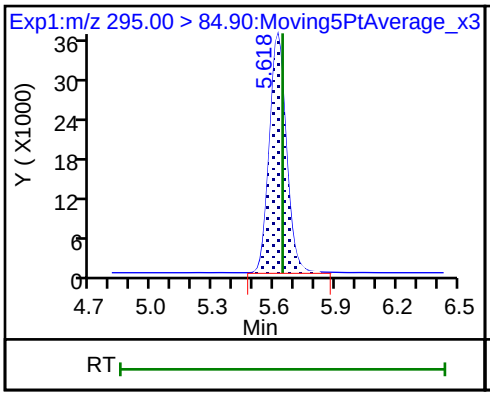
13 4:2FTS



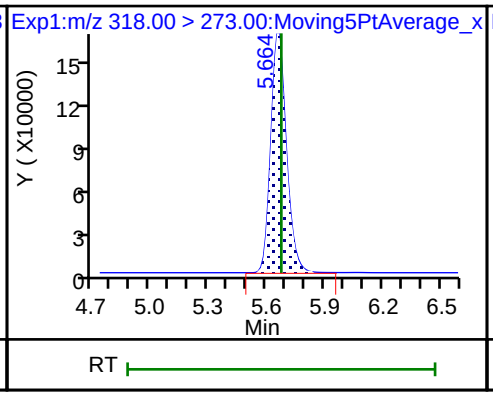
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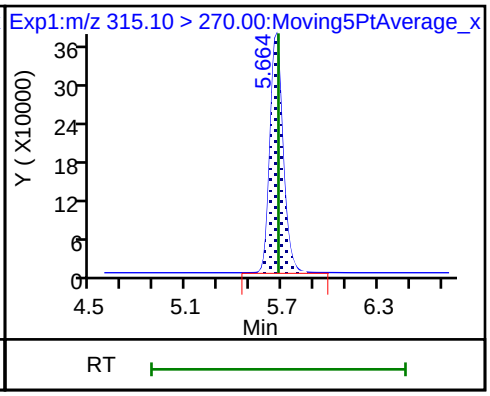
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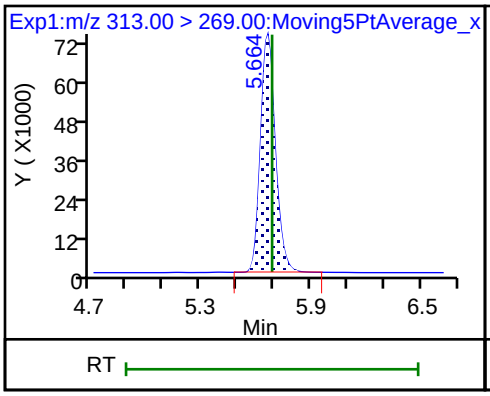
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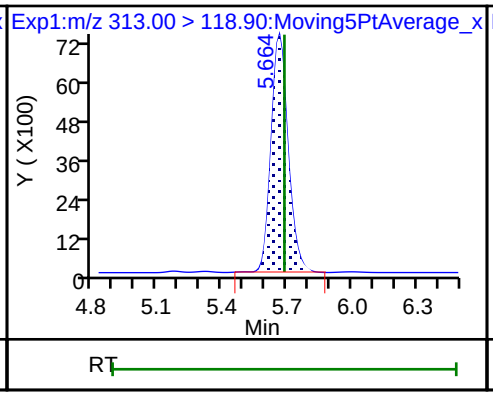
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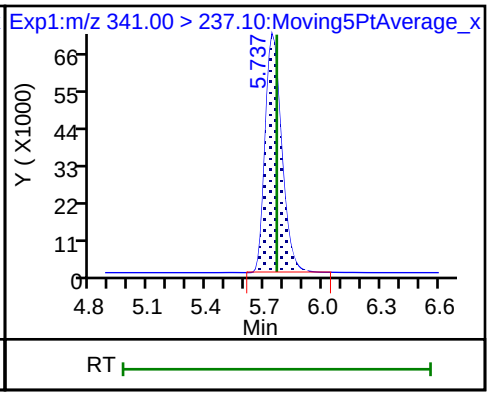
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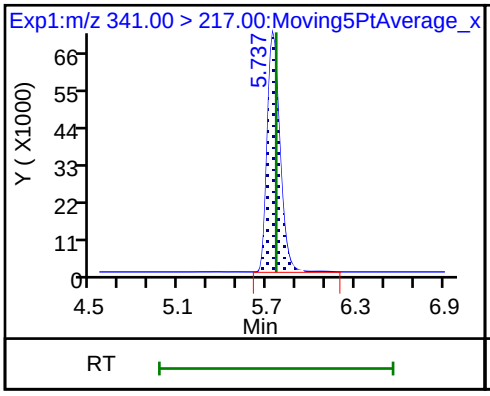
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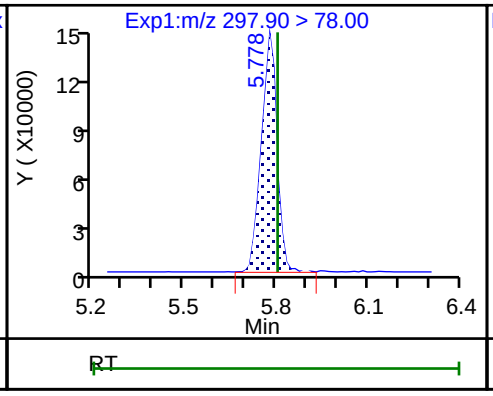
20 5:3 FTCA



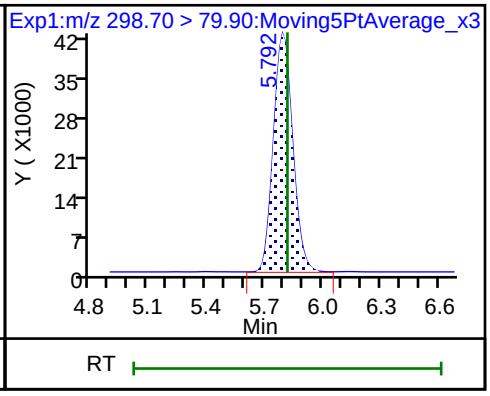
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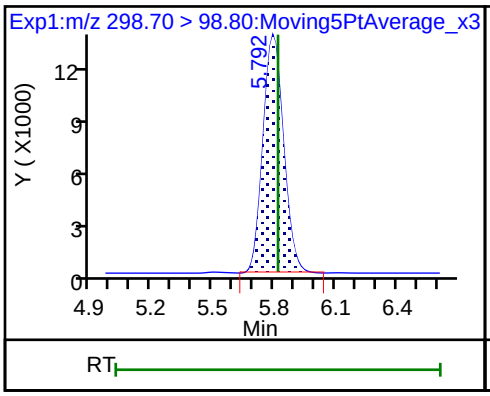
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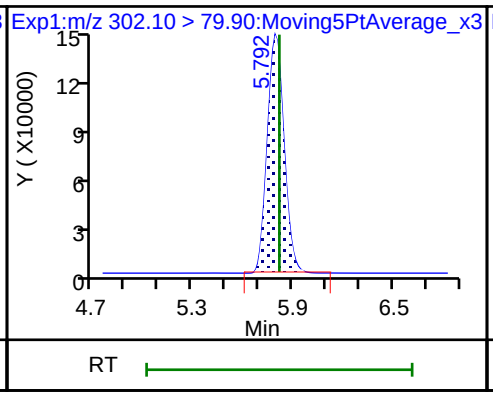
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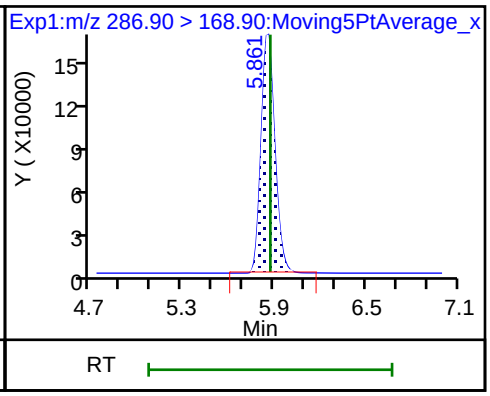
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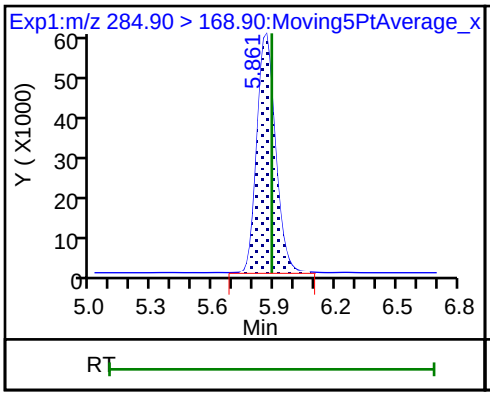
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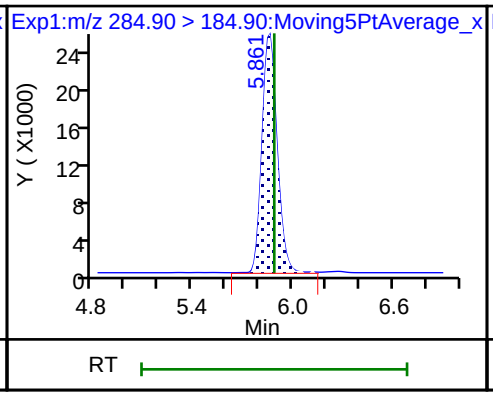
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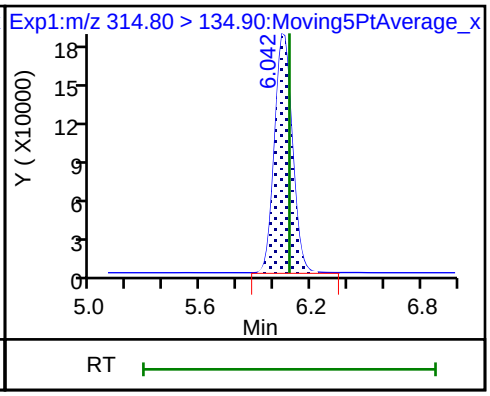
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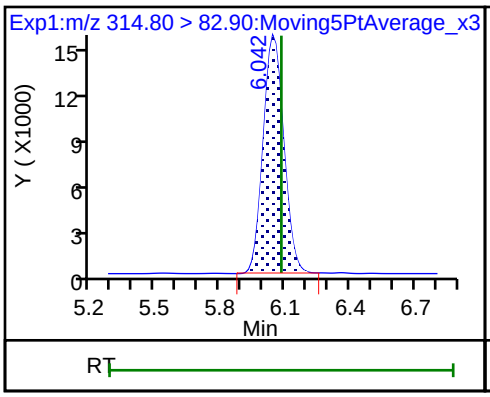
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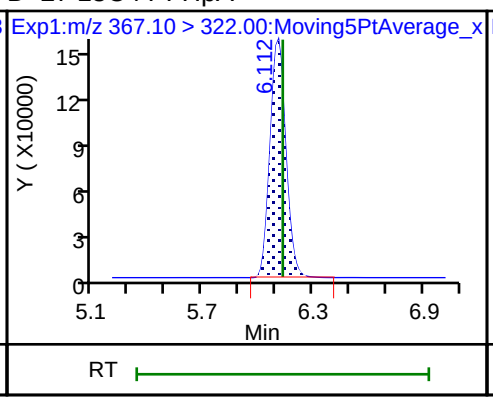
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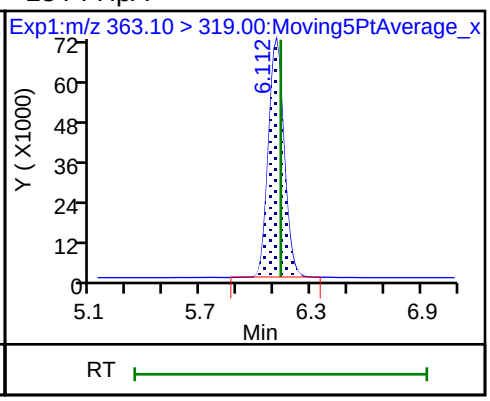
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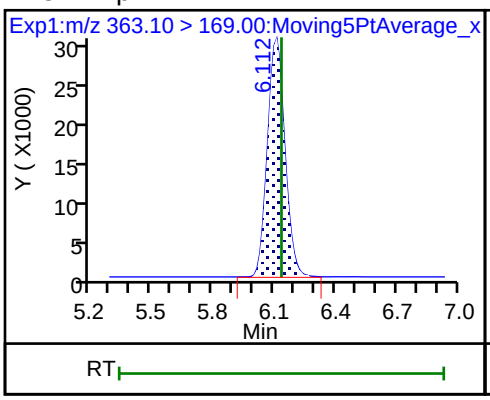
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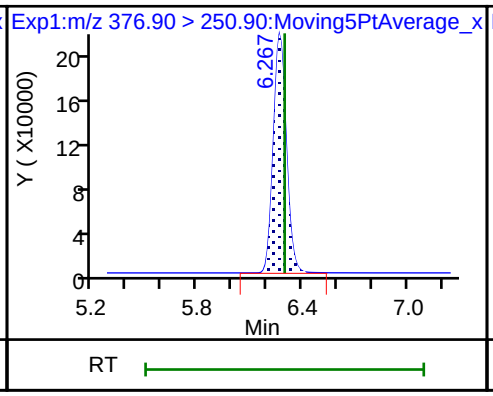
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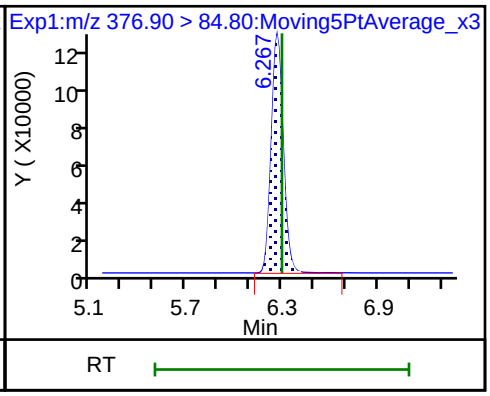
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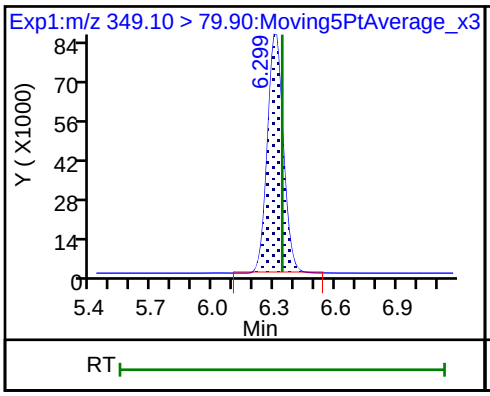
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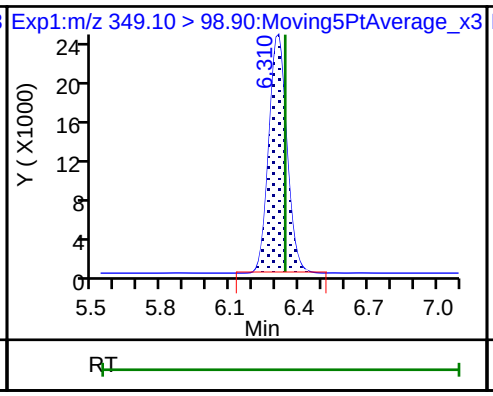
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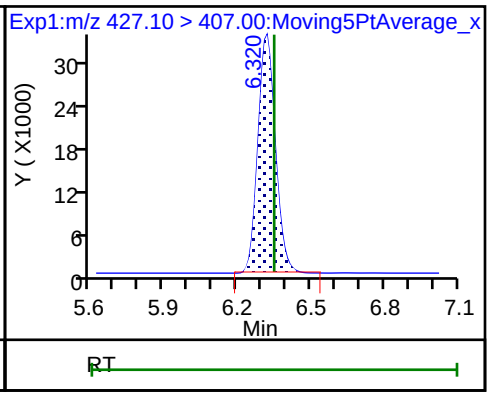
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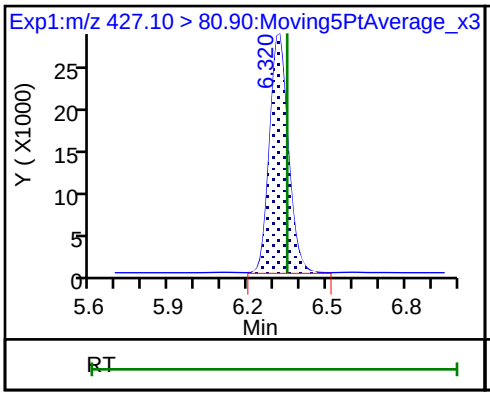
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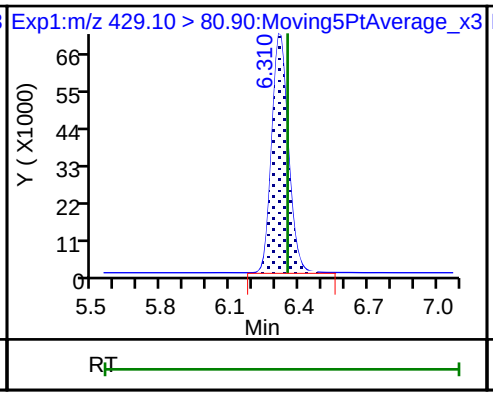
32 6:2FTS



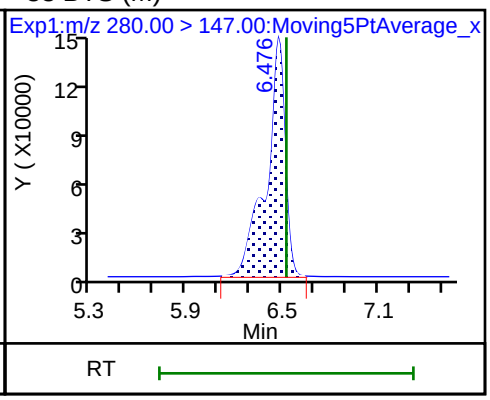
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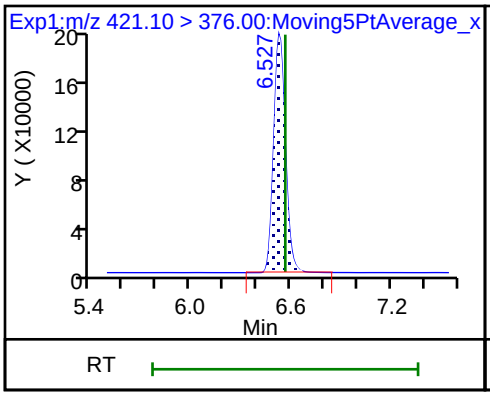
D 31 13C2-6:2FTS



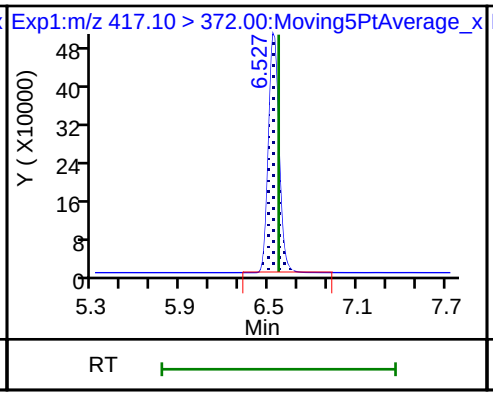
33 BTS (M)



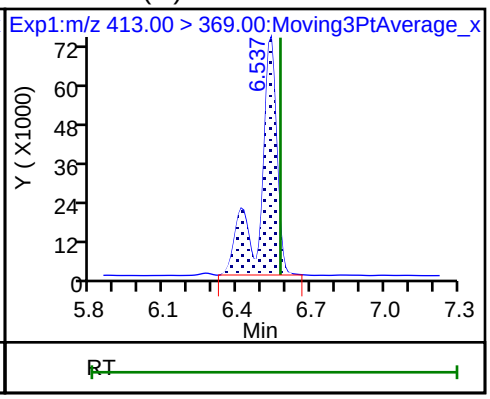
D 34 13C8 PFOA



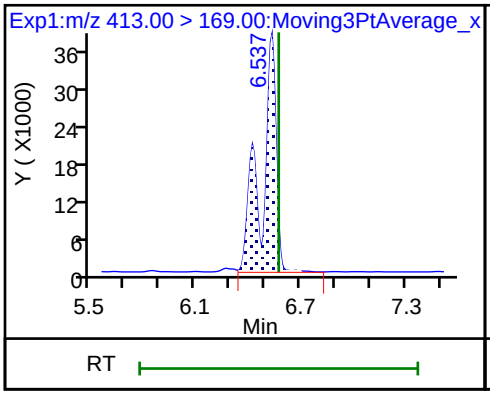
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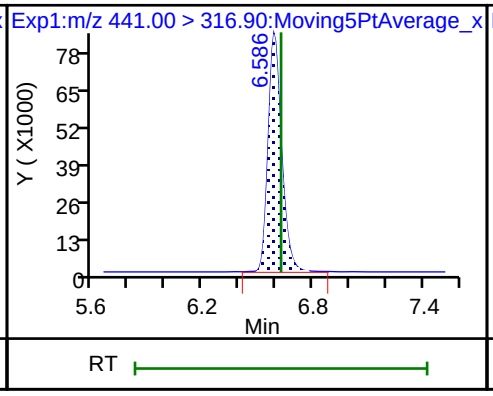
35 PFOA (M)



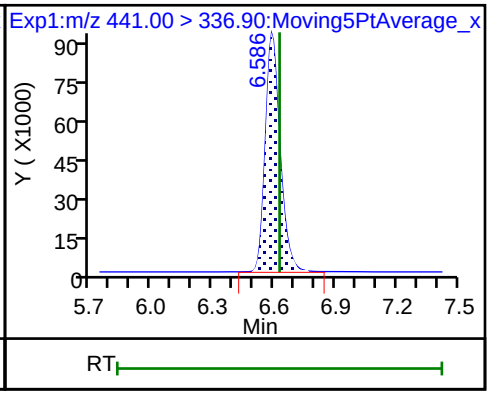
35 PFOA



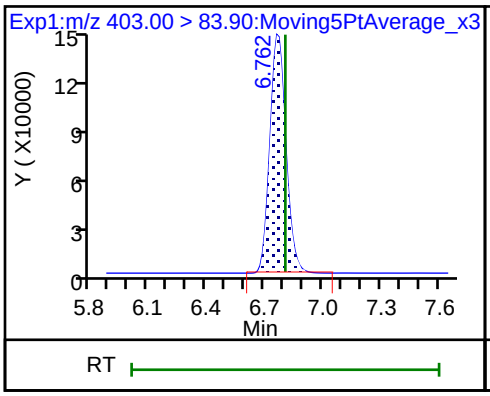
36 7:3 FTCA



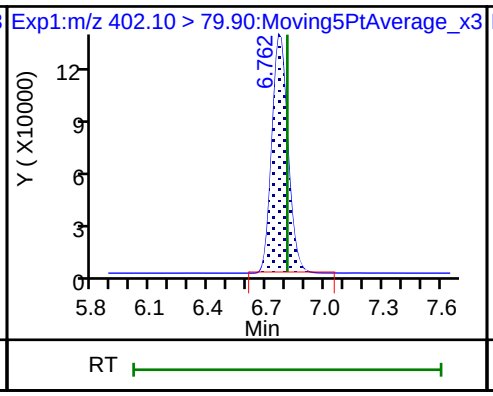
36 7:3 FTCA



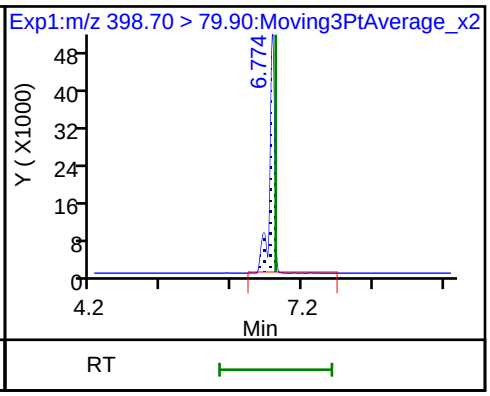
* 38 18O2 PFHxS



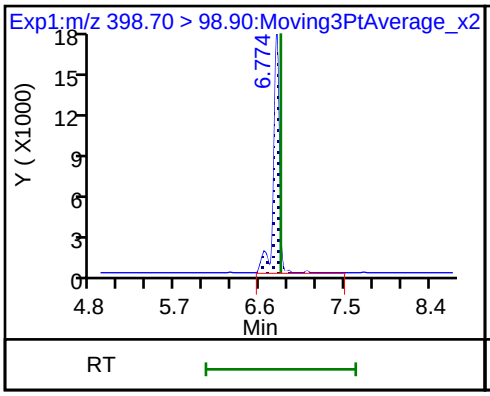
D 37 13C3 PFHxS



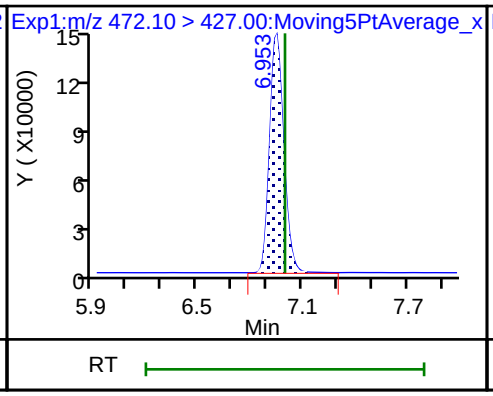
39 PFHxS



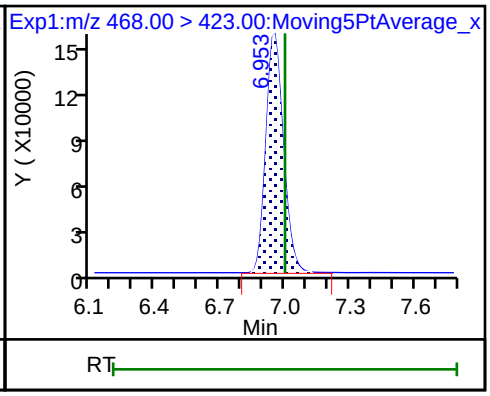
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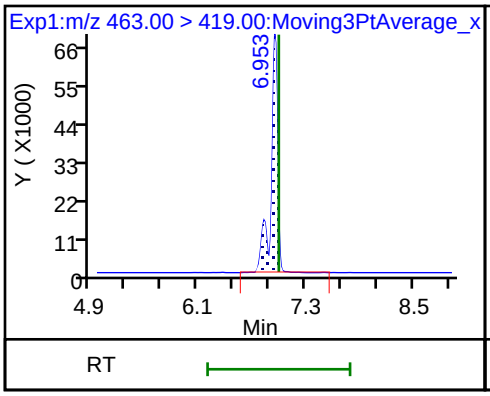
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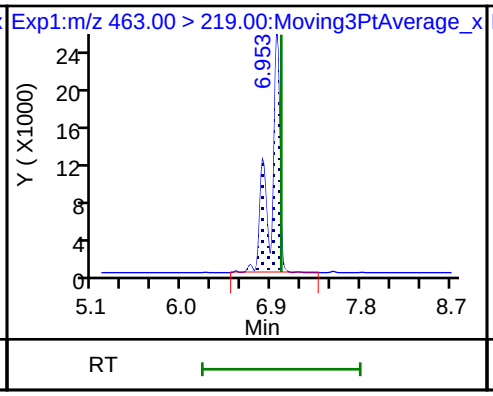
* 42 13C5 PFNA



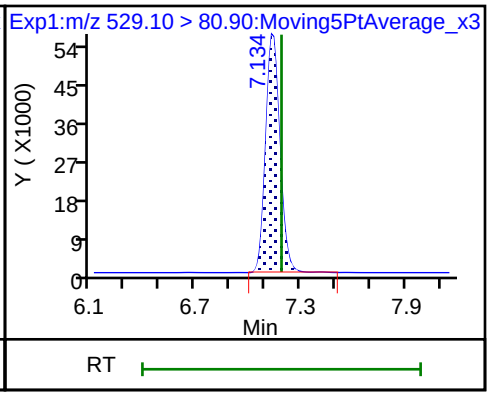
43 PFNA



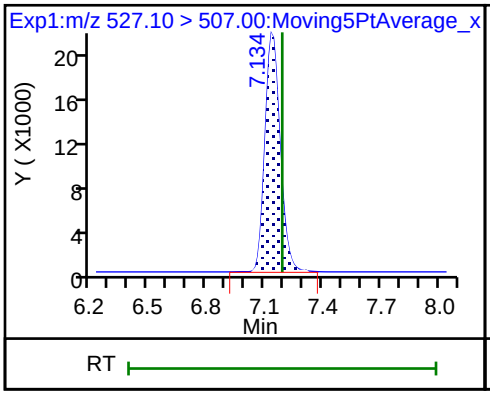
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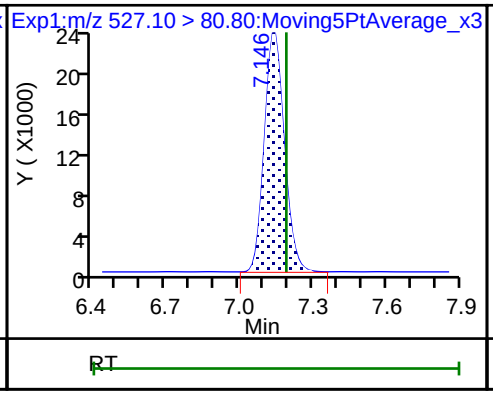
D 45 13C2-8:2FTS



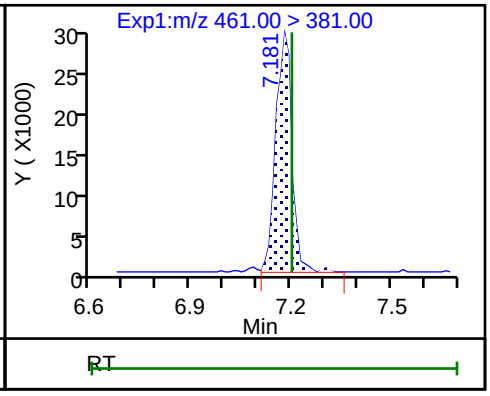
46 8:2FTS



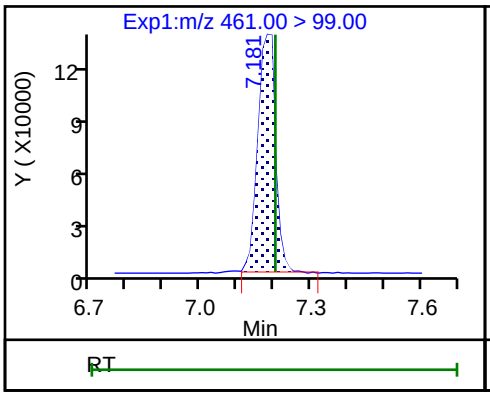
46 8:2FTS



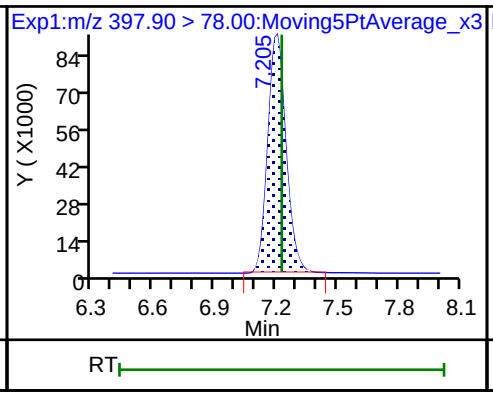
44 PFECHS



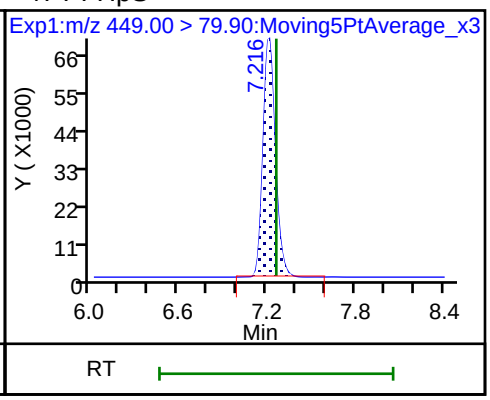
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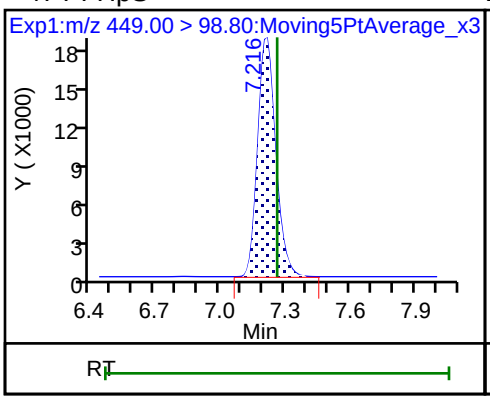
48 FHxSA



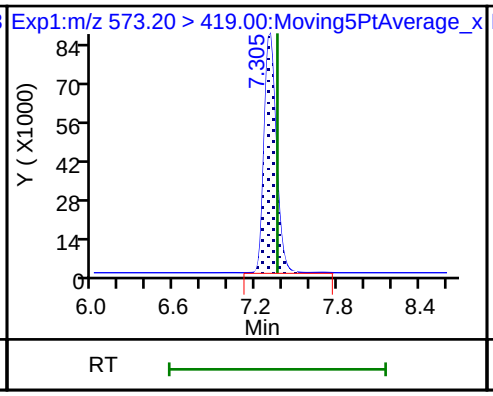
47 PFHpS



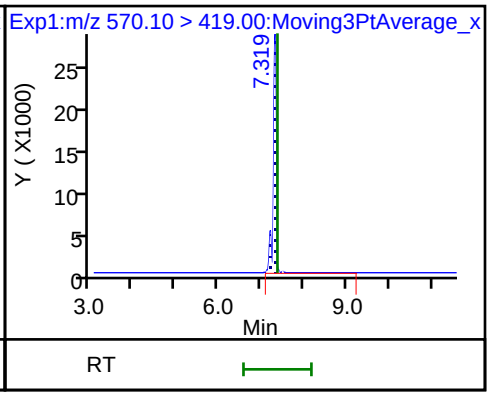
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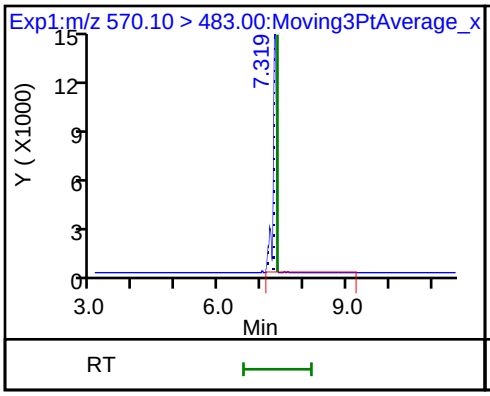
D 49 d3-NMeFOSAA



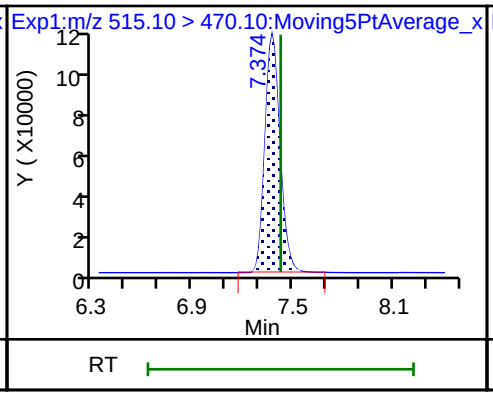
50 NMeFOSAA



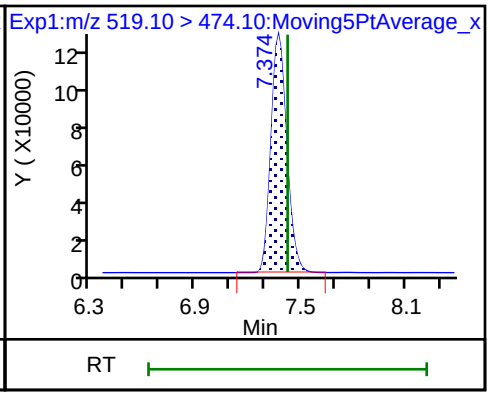
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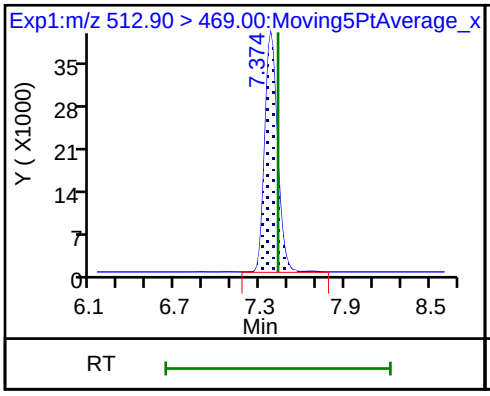
* 51 13C2 PFDA



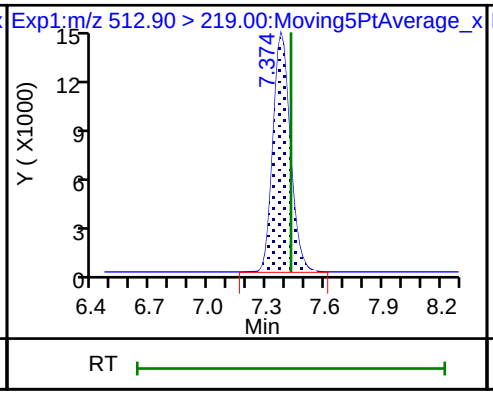
D 52 13C6 PFDA



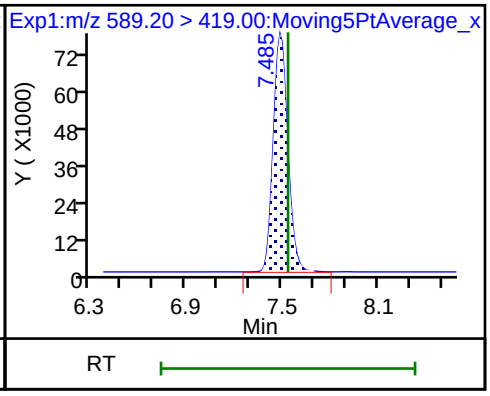
53 PFDA



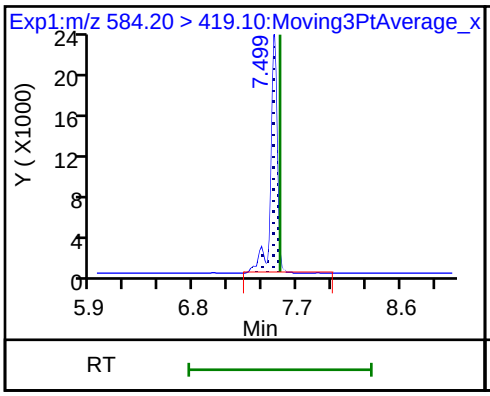
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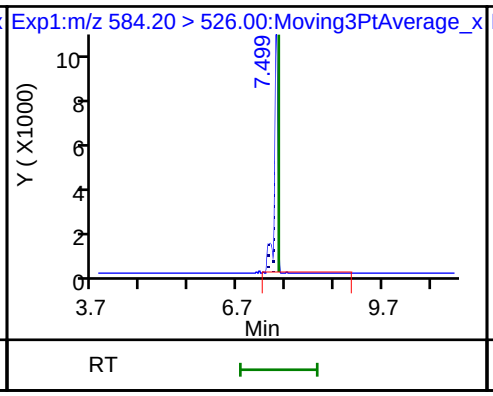
D 54 d5-NEtFOSAA



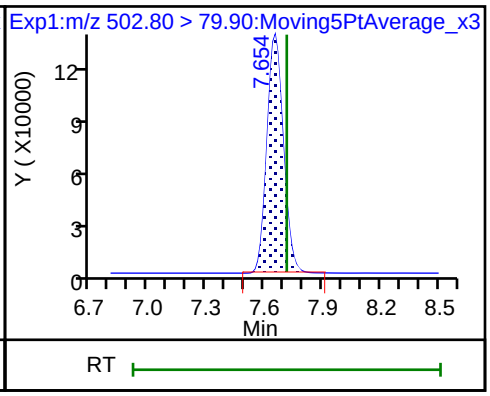
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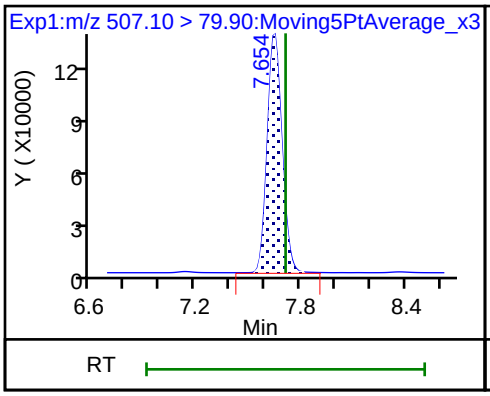
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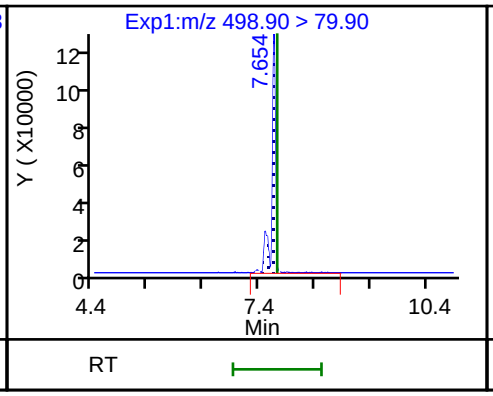
* 57 13C4 PFOS



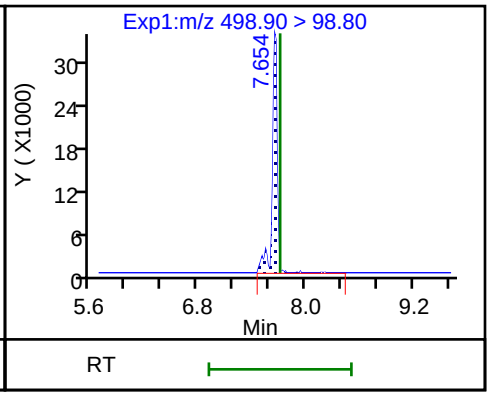
D 56 13C8 PFOS



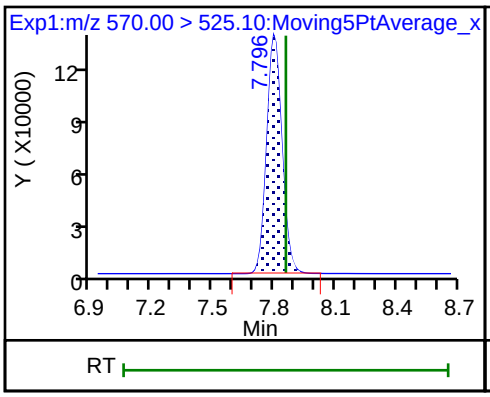
58 PFOS



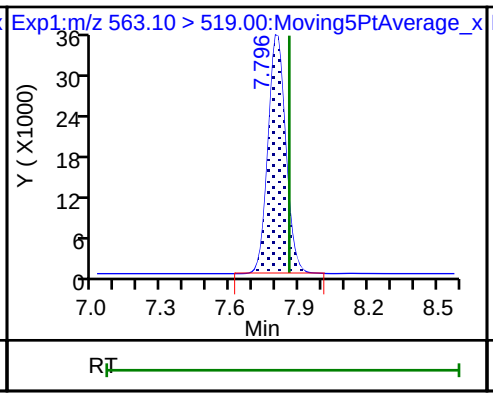
58 PFOS



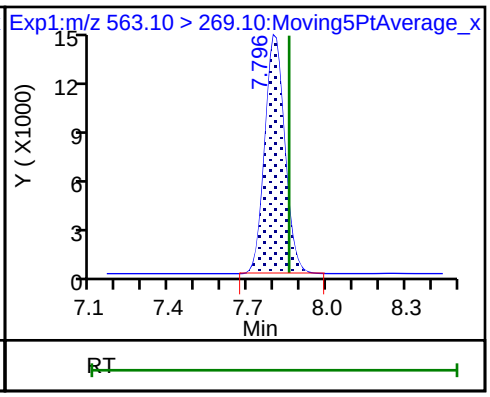
D 59 13C7 PFUnA



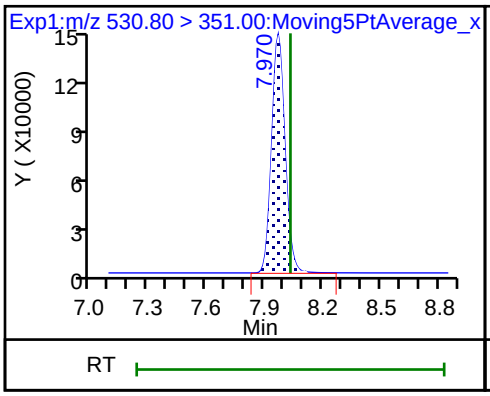
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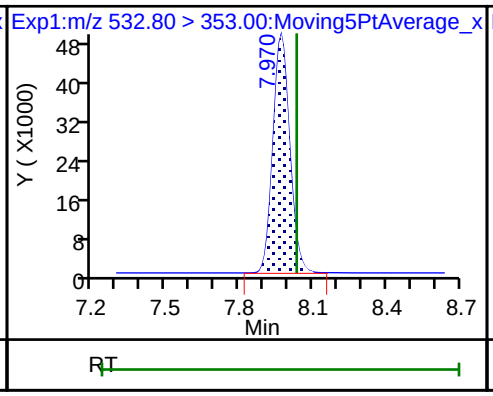
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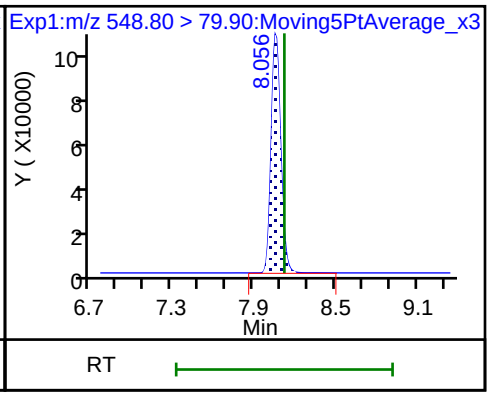
61 9ClFOS



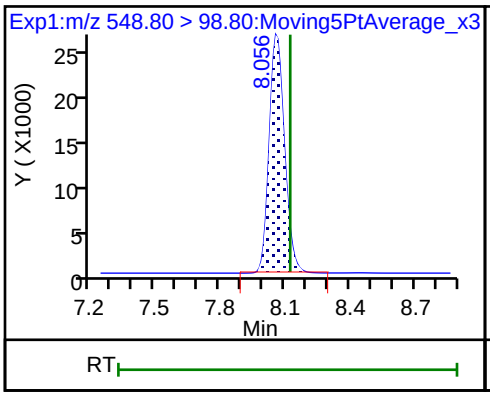
61 9ClFOS



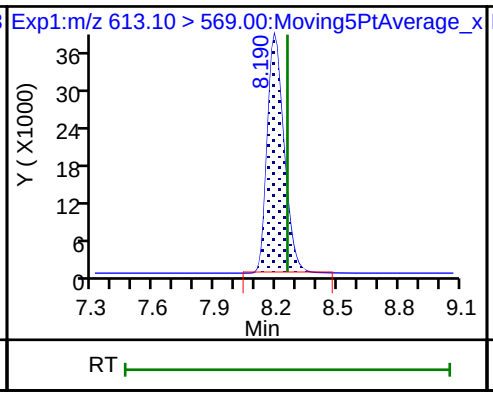
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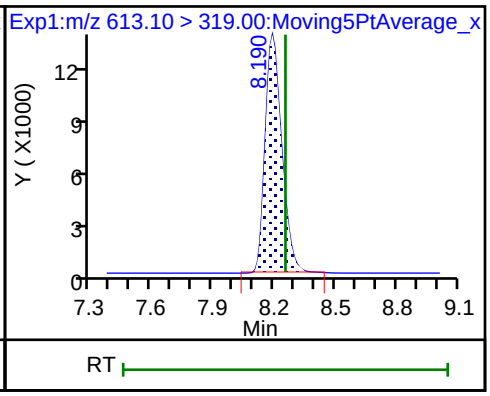
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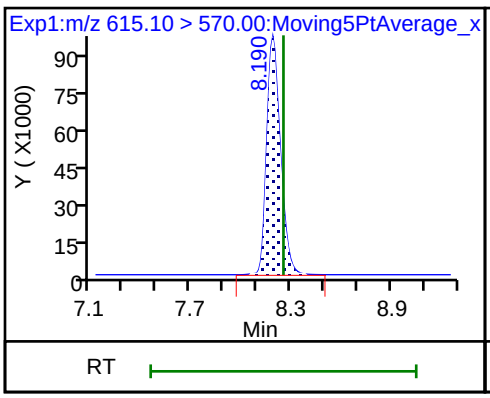
64 PFDoA



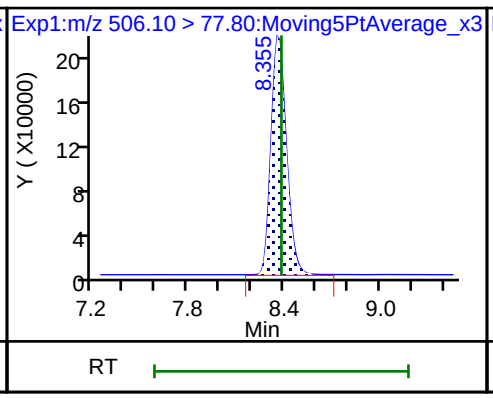
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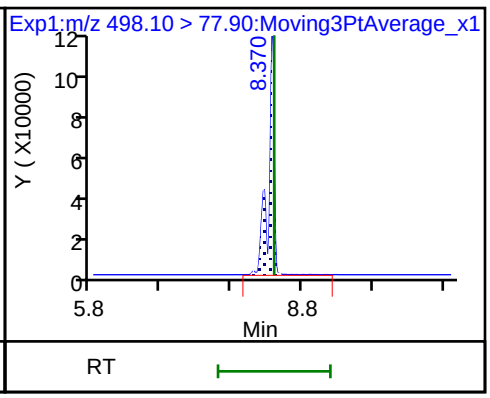
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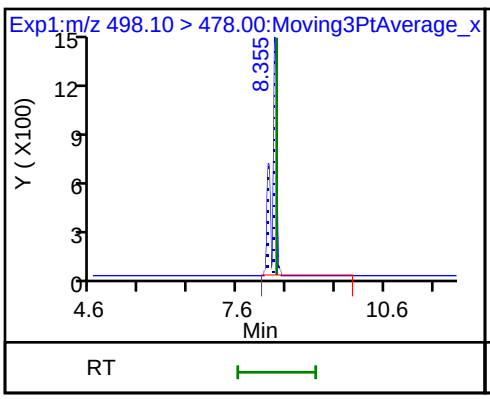
D 66 13C8 FOSA



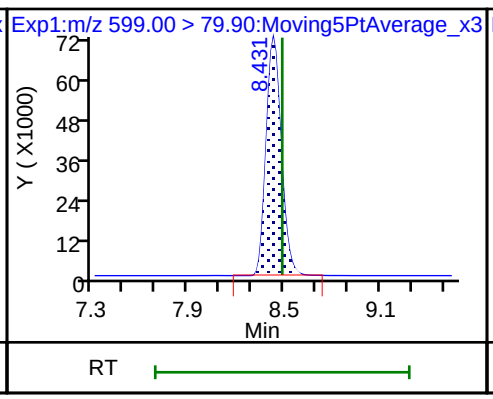
65 PFOSA



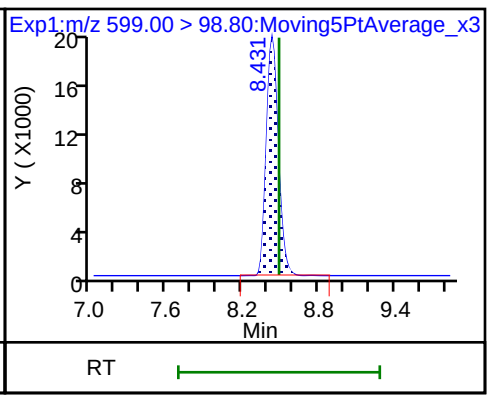
65 PFOSA



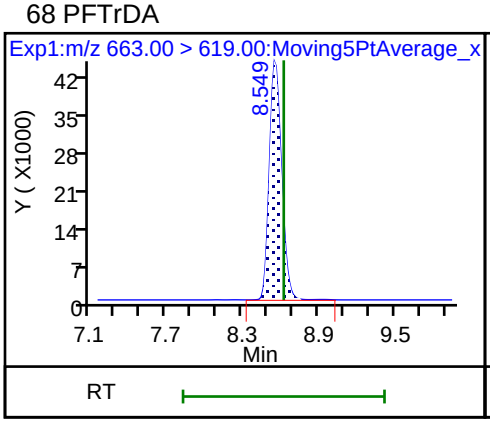
67 PFDS



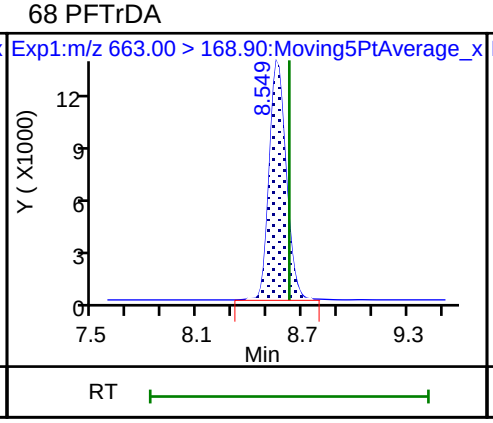
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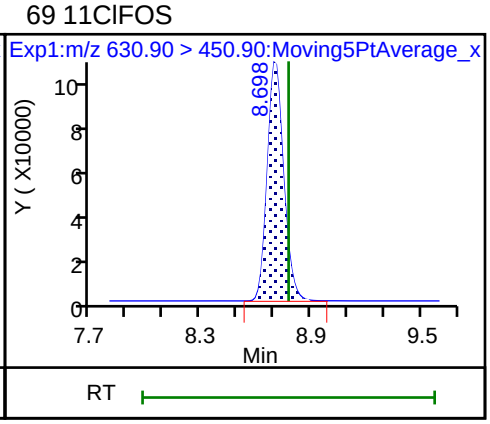
68 PFTrDA



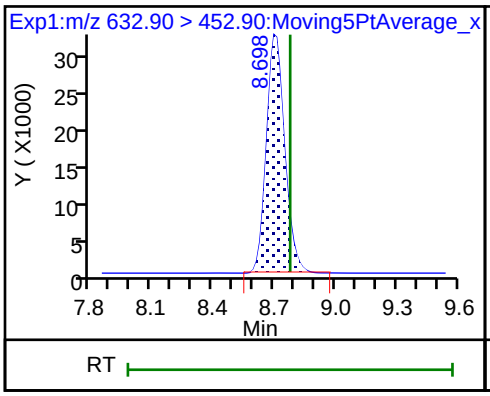
68 PFTrDA



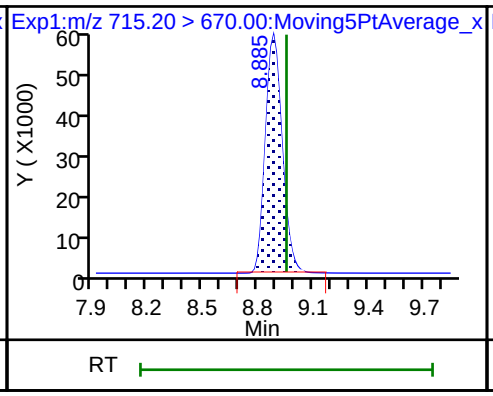
69 11ClFOS



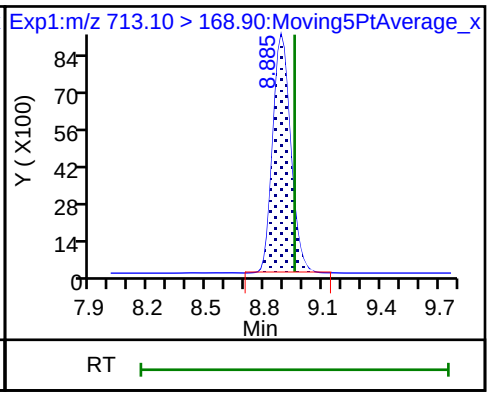
69 11ClFOS



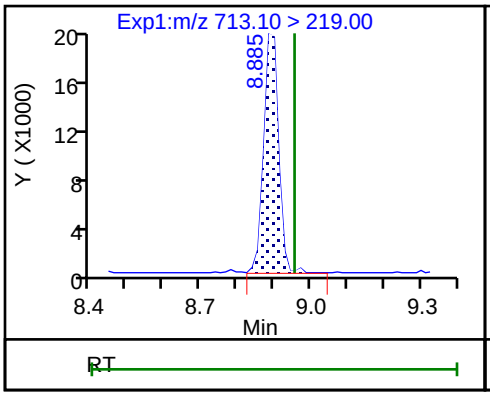
D 70 13C2 PFTeDA



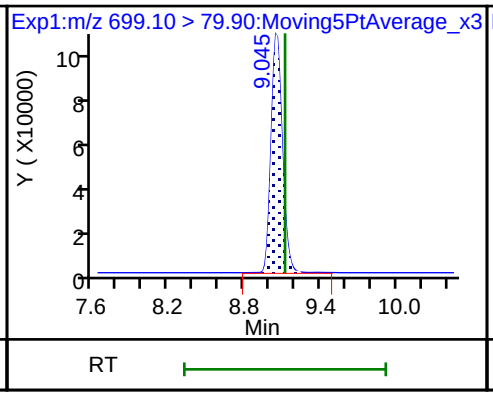
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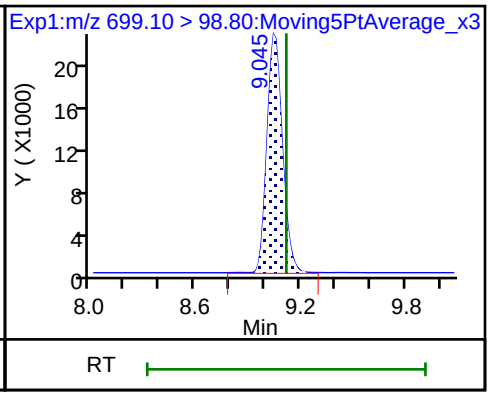
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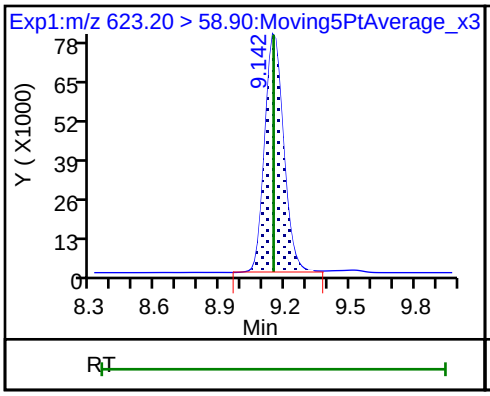
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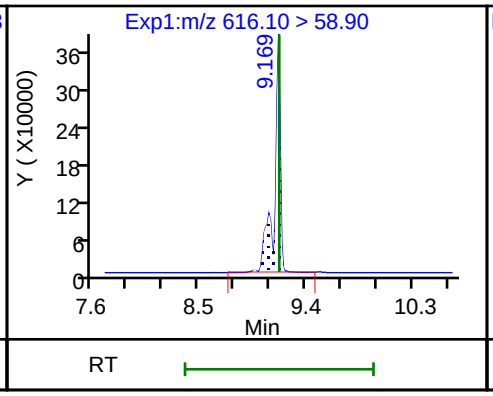
72 PFDoS



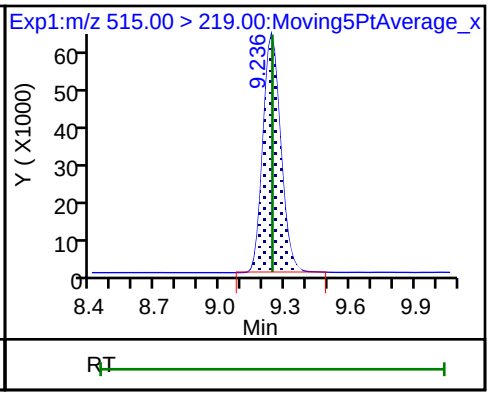
D 73 d7-N-Me-FOSE



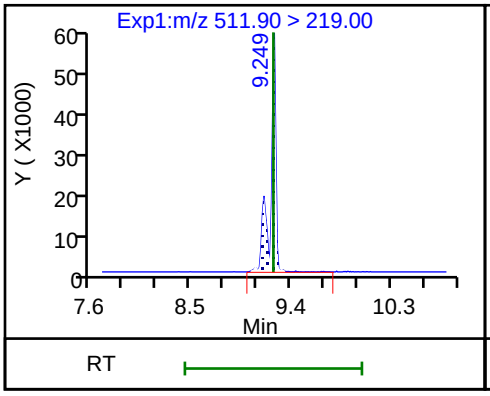
74 N-MeFOSE-M



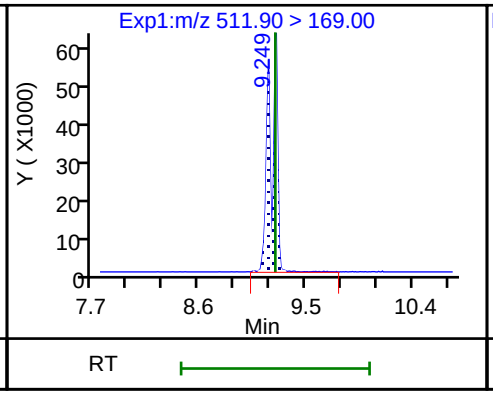
D 75 d3-NMePFOSA



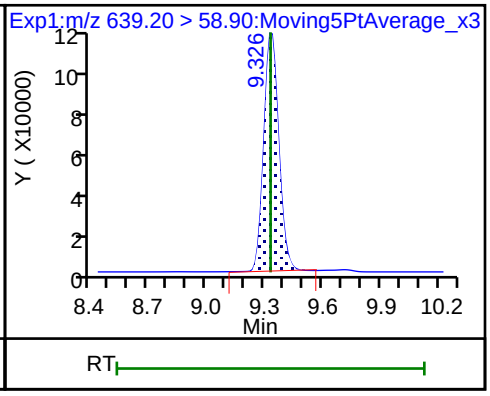
76 NMeFOSA



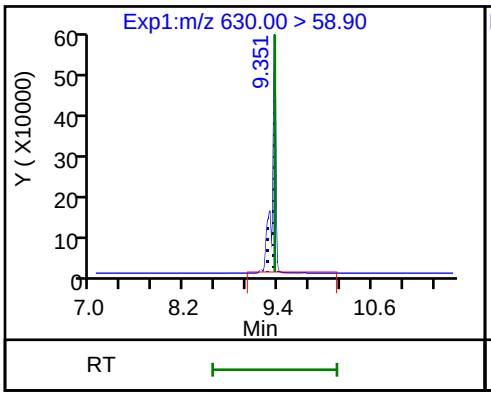
76 NMeFOSA



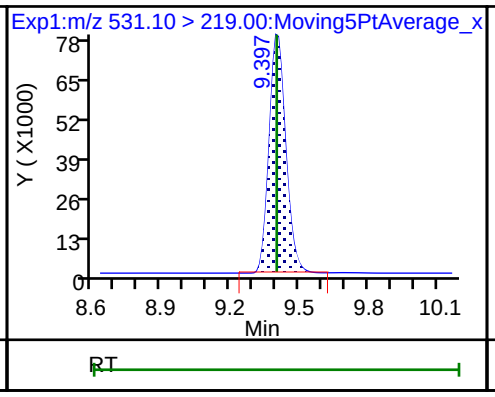
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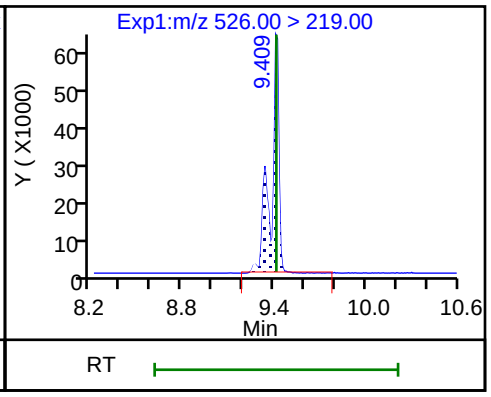
78 N-EtFOSE-M



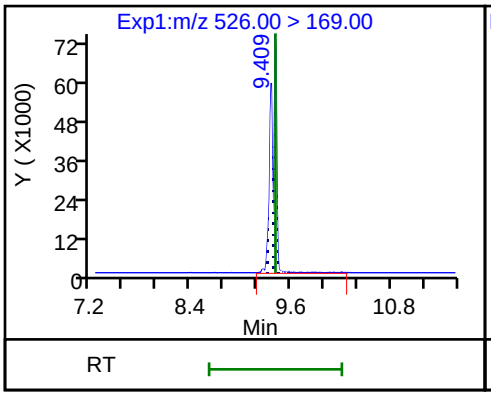
D 79 d5-NEtPFOSA



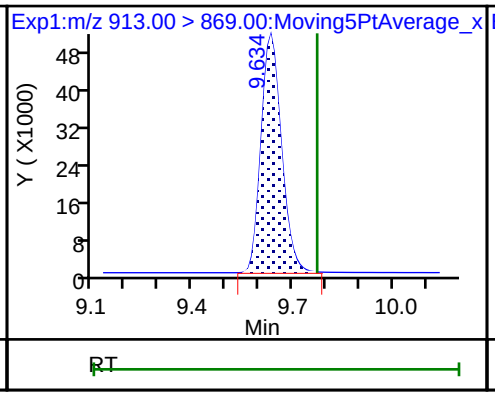
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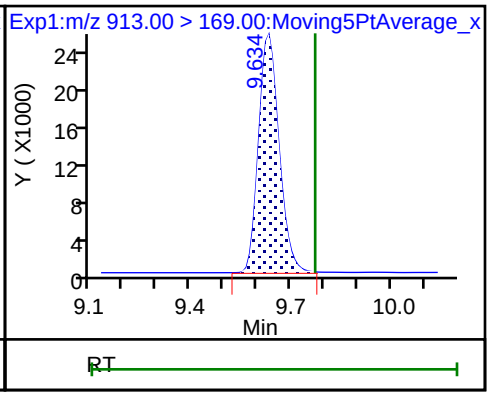
80 N-EtFOSA-M



81 Perfluorooctadecanoic acid



81 Perfluorooctadecanoic acid



FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: CCV 410-613851/48 Calibration Date: 03/07/2025 05:02

Instrument ID: 30729 Calib Start Date: 03/03/2025 18:24

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 03/03/2025 20:03

Lab File ID: 25MAR06-49.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoropropionic acid (PFPrA)	AveID	1.105	1.088		4.93	5.00	-1.5	30.0
Perfluorobutanoic acid	AveID	1.005	1.024		2.04	2.00	1.8	30.0
Perfluoro-3-methoxypropanoic acid	AveID	1.737	1.656		0.954	1.00	-4.6	30.0
3:3 FTCA	AveID	0.1000	0.0982		1.96	2.00	-1.8	30.0
Perfluoropentanoic acid	L2ID		1.686		1.04	1.00	4.5	30.0
Perfluoro(4-methoxybutanoic acid)	AveID	1.920	1.875		0.976	1.00	-2.4	30.0
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	AveID	1.477	1.348		1.71	1.87	-8.7	30.0
Perfluoro-3,6-dioxaheptanoic acid	AveID	0.5869	0.6193		1.06	1.00	5.5	30.0
Perfluorohexanoic acid	L2ID		0.8692		0.941	1.00	-5.9	30.0
5:3 FTCA	AveID	0.1788	0.1707		4.77	5.00	-4.6	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	0.998	1.057		1.06	1.00	6.0	30.0
Perfluorobutanesulfonic acid	L2ID		0.6743		0.876	0.888	-1.4	30.0
HFPO-DA	AveID	1.074	1.050		0.733	0.750	-2.3	30.0
PFEESA	AveID	3.007	2.882		0.855	0.892	-4.2	30.0
Perfluoroheptanoic acid	L2ID		0.9597		1.05	1.00	5.0	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	2.558	2.436		0.901	0.946	-4.7	30.0
Perfluoropentanesulfonic acid	AveID	1.192	1.031		0.813	0.940	-13.5	30.0
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	AveID	1.202	1.295		2.04	1.90	7.8	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	2.944	2.646		0.880	0.979	-10.1	30.0
Perfluorooctanoic acid	AveID	0.7474	0.7546		1.01	1.00	1.0	30.0
7:3 FTCA	AveID	0.1796	0.1907		5.31	5.00	6.2	30.0
Perfluorohexanesulfonic acid	AveID	0.6725	0.5953		0.807	0.912	-11.5	30.0
Perfluorononanoic acid	L2ID		0.8860		1.03	1.00	3.3	30.0
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	AveID	0.7471	0.7067		1.81	1.92	-5.4	30.0
Perfluoro-4-ethylcyclohexane sulfonic acid (PFECHS)	L2ID		0.2252		0.758	0.924	-18.0	30.0
Perfluoroheptanesulfonic acid	AveID	1.303	1.126		0.825	0.954	-13.6	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	1.408	1.340		0.952	1.00	-4.8	30.0
NMeFOSAA	AveID	1.191	1.210		1.02	1.00	1.6	30.0
Perfluorodecanoic acid	L2ID		0.7712		1.05	1.00	5.4	30.0
NEtFOSAA	AveID	0.8731	0.7766		0.890	1.00	-11.0	30.0
Perfluorooctanesulfonic acid	L2ID		1.421		0.879	0.930	-5.5	30.0
Perfluoroundecanoic acid	L2ID		0.5274		0.979	1.00	-2.1	30.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	AveID	1.446	1.739		1.12	0.934	20.2	30.0
Perfluorononanesulfonic acid	AveID	1.238	1.278		0.993	0.962	3.2	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: CCV 410-613851/48 Calibration Date: 03/07/2025 05:02

Instrument ID: 30729 Calib Start Date: 03/03/2025 18:24

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 03/03/2025 20:03

Lab File ID: 25MAR06-49.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorododecanoic acid	AveID	0.7862	0.7381		0.939	1.00	-6.1	30.0
Perfluorooctanesulfonamide	AveID	0.9172	0.8748		0.954	1.00	-4.6	30.0
Perfluorodecanesulfonic acid	AveID	1.347	1.270		0.909	0.964	-5.7	30.0
Perfluorotridecanoic acid	AveID	1.362	1.400		1.03	1.00	2.8	30.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	AveID	1.495	1.479		0.934	0.944	-1.1	30.0
Perfluorotetradecanoic acid	L2ID		0.3553		1.07	1.00	7.1	30.0
Perfluorododecanesulfonic acid (PFDoS)	L2ID		1.644		0.810	0.970	-16.5	30.0
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	AveID	2.647	2.655		5.02	5.00	0.3	30.0
NMeFOSA	AveID	1.070	1.074		1.00	1.00	0.4	30.0
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	AveID	3.124	3.079		4.93	5.00	-1.5	30.0
N-ethylperfluoro-1-octanesulfonamide	AveID	1.204	1.184		0.984	1.00	-1.6	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	2.111	1.240		0.587	1.00	-41.3*	30.0
13C3 PFPrA	Ave	0.5590	0.5672		2.03	2.00	1.5	30.0
13C4 PFBA	Ave	0.8838	0.8536		1.93	2.00	-3.4	30.0
13C5 PFPeA	Ave	0.7146	0.6863		1.92	2.00	-4.0	30.0
M2-4:2 FTS	Ave	0.1655	0.1734		4.91	4.69	4.8	30.0
13C5 PFHxA	Ave	1.162	1.135		1.95	2.00	-2.4	30.0
13C3 PFBS	Ave	1.229	1.196		1.81	1.86	-2.7	30.0
13C3 HFPO-DA	Ave	1.136	1.140		2.01	2.00	0.4	30.0
13C4 PFHpA	Ave	1.120	1.129		2.02	2.00	0.8	30.0
M2-6:2 FTS	Ave	0.1633	0.1542		4.49	4.76	-5.6	30.0
13C8 PFOA	Ave	0.9639	0.9469		1.96	2.00	-1.8	30.0
13C3 PFHxS	Ave	0.9789	1.037		2.01	1.90	6.0	30.0
13C9 PFNA	Ave	0.9802	0.9761		1.99	2.00	-0.4	30.0
M2-8:2 FTS	Ave	0.1754	0.1587		4.34	4.80	-9.5	30.0
d3-NMeFOSAA	Ave	0.2581	0.2549		4.94	5.00	-1.2	30.0
13C6 PFDA	Ave	1.028	0.9801		1.91	2.00	-4.7	30.0
d5-NEtFOSAA	Ave	0.2260	0.2228		4.93	5.00	-1.4	30.0
13C8 PFOS	Ave	0.9151	0.9531		1.99	1.92	4.2	30.0
13C7 PFUnA	Ave	0.8165	0.9850		2.41	2.00	20.6	30.0
13C2 PFDoA	Ave	0.5968	0.8236		2.76	2.00	38.0*	30.0
13C8 FOSA	Ave	1.519	1.801		2.37	2.00	18.5	30.0
13C2 PFTeDA	Ave	0.5332	0.4922		1.85	2.00	-7.7	30.0
d7-N-MeFOSE-M	Ave	0.2547	0.2467		4.84	5.00	-3.1	30.0
d3-NMePFOSA	Ave	0.4706	0.4437		1.89	2.00	-5.7	30.0
d9-N-EtFOSE-M	Ave	0.3106	0.3035		4.89	5.00	-2.3	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Lab Sample ID: CCV 410-613851/48 Calibration Date: 03/07/2025 05:02

Instrument ID: 30729 Calib Start Date: 03/03/2025 18:24

GC Column: Gemini C18 50mm ID: 3.00(mm) Calib End Date: 03/03/2025 20:03

Lab File ID: 25MAR06-49.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d5-NEtPFOSA	Ave	0.5230	0.4799		1.84	2.00	-8.2	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR06-49.d
Lims ID: CCV 5_CAL 4
Client ID:
Sample Type: CCV
Inject. Date: 07-Mar-2025 05:02:58 ALS Bottle#: 20005 Worklist Smp#: 48
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: CCV 5_CAL 4
Misc. Info.: Plate: 1 Rack: 1 410-0140106-048
Operator ID: ETUS023_USR_INS00054 Instrument ID: 30729
Sublist: chrom-30729_1633Final*sub1

Method: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\30729_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 10-Mar-2025 14:55:15 Calib Date: 03-Mar-2025 20:03:32
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-08.d

Column 1 : Det: EXP1
Process Host: CTX1629

First Level Reviewer: RPU6 Date: 10-Mar-2025 14:40:07
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
1 Perfluoropropionic acid										
163.00 > 119.00	1.867	1.869	-0.002	1.000	1161866	4.93		98.5	6180	
D 2 13C3PFPrA										
166.00 > 121.00	1.867	1.869	-0.002	0.420	426992	2.03		101	211	
5 PFBA										
212.80 > 168.90	4.432	4.450	-0.018	0.998	657829	2.04		102	6786	
D 3 13C4-PFBA										
216.80 > 171.90	4.441	4.450	-0.009	1.000	642675	1.93		96.6	17381	
* 4 13C3PFBA										
216.00 > 172.00	4.441	4.459	-0.018		752863	2.00			188	
6 PFMPA										
229.00 > 84.90	4.763	4.786	-0.023	0.930	463474	0.9535		95.4	13989	
7 3:3 FTCA										
241.00 > 177.00	4.774	4.798	-0.024	0.933	54942	1.96	Target=1.07	98.2	3316	
241.00 > 117.00	4.774	4.798	-0.024	0.933	48019		1.14(0.53-1.60)		2940	
D 9 13C5 PFPeA										
268.30 > 223.00	5.119	5.142	-0.023	0.906	559627	1.92		96.0	31964	
10 PFPA										
263.00 > 219.00	5.131	5.142	-0.011	1.002	471791	1.04		104	20299	
11 PFMBA										
279.00 > 85.10	5.307	5.330	-0.023	1.037	524662	0.9764		97.6	30350	
D 12 13C2-4:2FTS										
329.10 > 80.90	5.456	5.479	-0.023	0.807	342271	4.91		105	15769	
13 4:2FTS										
327.10 > 307.00	5.456	5.479	-0.023	1.000	183769	1.71	Target=1.39	91.3	10918	
327.10 > 80.90	5.456	5.479	-0.023	1.000	156718		1.17(0.69-2.08)		9282	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
15 NFDHA										
295.00 > 201.00	5.617	5.640	-0.023	0.994	286463	1.06	Target=1.25	106	16677	
295.00 > 84.90	5.617	5.640	-0.023	0.994	216829		1.32(0.63-1.88)		12486	
D 16 13C5 PFHxA										
318.00 > 273.00	5.652	5.676	-0.024	1.000	925170	1.95		97.6	54828	
* 17 13C2 PFHxA										
315.10 > 270.00	5.652	5.676	-0.024		2038659	5.00			120033	
18 PFHxA										
313.00 > 269.00	5.652	5.687	-0.035	1.000	402088	0.9412	Target=10.83	94.1	23674	
313.00 > 118.90	5.652	5.687	-0.035	1.000	40986		9.81(5.41-16.24)		2355	
20 5:3 FTCA										
341.00 > 237.10	5.736	5.762	-0.026	1.015	394750	4.77	Target=0.92	95.4	22423	
341.00 > 217.00	5.736	5.762	-0.026	1.015	449072		0.88(0.46-1.37)		25556	
14 FBSA										
297.90 > 78.00	5.749	5.804	-0.055	0.993	532271	1.06		106	586	
21 PFBS										
298.70 > 79.90	5.790	5.818	-0.028	1.000	301489	0.8758	Target=2.85	98.6	13788	
298.70 > 98.80	5.790	5.818	-0.028	1.000	104359		2.89(1.43-4.28)		4889	
D 19 13C3 PFBS										
302.10 > 79.90	5.790	5.818	-0.028	0.856	938513	1.81		97.3	43517	
D 23 13C3 HFPO-DA										
286.90 > 168.90	5.845	5.873	-0.028	1.034	929554	2.01		100	48952	
22 HFPO-DA										
284.90 > 168.90	5.859	5.887	-0.028	1.002	365869	0.7327	Target=2.51	97.7	19440	
284.90 > 184.90	5.845	5.887	-0.042	1.000	151270		2.42(1.25-3.76)		7873	
25 PFEESA										
314.80 > 134.90	6.040	6.082	-0.042	1.069	1189193	0.8549	Target=10.92	95.8	57891	
314.80 > 82.90	6.040	6.082	-0.042	1.069	113675		10.46(5.46-16.39)		5638	
D 27 13C4 PFHpA										
367.10 > 322.00	6.110	6.135	-0.025	1.081	920824	2.02		101	38405	
28 PFHpA										
363.10 > 319.00	6.110	6.135	-0.025	1.000	441844	1.05	Target=2.23	105	24507	
363.10 > 169.00	6.110	6.135	-0.025	1.000	184283		2.40(1.12-3.35)		10294	
29 ADONA										
376.90 > 250.90	6.265	6.297	-0.032	1.072	1071226	0.9012	Target=1.60	95.3	17126	
376.90 > 84.80	6.265	6.297	-0.032	1.072	648218		1.65(0.80-2.40)		41570	
30 PFPeS										
349.10 > 79.90	6.297	6.339	-0.042	0.932	423072	0.8131	Target=3.47	86.5	25311	
349.10 > 98.90	6.308	6.339	-0.031	0.933	133223		3.18(1.73-5.20)		7934	
32 6:2FTS										
427.10 > 407.00	6.318	6.349	-0.031	1.000	159424	2.04	Target=1.13	108	10566	
427.10 > 80.90	6.318	6.349	-0.031	1.000	143208		1.11(0.56-1.69)		9589	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.318	6.349	-0.031	0.935	309017	4.49		94.4	20341	
33 BTS										M
280.00 > 147.00	6.474	6.525	-0.051	0.958	1131059	0.8799		89.9	43051	M
D 34 13C8 PFOA										
421.10 > 376.00	6.525	6.565	-0.040	1.000	995468	1.96		98.2	51244	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 40 13C4 PFOA										
417.10 > 372.00	6.525	6.565	-0.040		2628151	5.00			134496	
35 PFOA										M
413.00 > 369.00	6.535	6.575	-0.040	1.002	375611	1.01	Target=1.69	101	1684	M
413.00 > 169.00	6.535	6.575	-0.040	1.002	218738		1.72(0.85-2.54)		1471	M
36 7:3 FTCA										
441.00 > 316.90	6.584	6.625	-0.041	1.165	441100	5.31	Target=0.93	106	28609	
441.00 > 336.90	6.593	6.625	-0.032	1.167	474396		0.93(0.46-1.39)		23044	
* 38 18O2 PFHxS										
403.00 > 83.90	6.760	6.807	-0.047		796404	1.89			45761	
D 37 13C3 PFHxS										
402.10 > 79.90	6.760	6.807	-0.047	1.000	827894	2.01		106	36354	
39 PFHxS										
398.70 > 79.90	6.772	6.819	-0.046	1.002	237054	0.8073	Target=3.39	88.5	1765	
398.70 > 98.90	6.772	6.819	-0.046	1.002	71280		3.33(1.70-5.09)		16252	
43 PFNA										
463.00 > 419.00	6.950	6.999	-0.049	1.000	350416	1.03	Target=2.10	103	1989	
463.00 > 219.00	6.962	6.999	-0.037	1.002	159241		2.20(1.05-3.15)		528	
D 41 13C9 PFNA										
472.10 > 427.00	6.950	6.999	-0.049	1.000	791049	1.99		99.6	46286	
* 42 13C5 PFNA										
468.00 > 423.00	6.950	6.999	-0.049		810412	2.00			48059	
D 45 13C2-8:2FTS										
529.10 > 80.90	7.143	7.191	-0.048	1.057	320603	4.34		90.5	19120	
46 8:2FTS										
527.10 > 507.00	7.143	7.191	-0.048	1.000	90445	1.81	Target=0.72	94.6	5356	
527.10 > 80.80	7.143	7.191	-0.048	1.000	123248		0.73(0.36-1.07)		7230	
44 PFECHS										
461.00 > 381.00	7.179	7.203	-0.024	1.062	90864	0.7580	Target=0.22	82.0	143	
461.00 > 99.00	7.179	7.203	-0.024	1.062	449927		0.20(0.11-0.33)		137524	
48 FHxSA										
397.90 > 78.00	7.214	7.226	-0.012	1.067	585294	0.9517		95.2	31958	
47 PFHpS										
449.00 > 79.90	7.214	7.263	-0.049	0.943	418845	0.8246	Target=3.56	86.4	24515	
449.00 > 98.80	7.214	7.263	-0.049	0.943	120976		3.46(1.78-5.34)		7064	
D 49 d3-NMeFOSAA										
573.20 > 419.00	7.302	7.357	-0.055	0.954	521424	4.94		98.8	28635	
50 NMeFOSAA										
570.10 > 419.00	7.315	7.371	-0.056	1.002	126154	1.02	Target=1.90	102	712	
570.10 > 483.00	7.315	7.371	-0.056	1.002	65382		1.93(0.95-2.86)		14230	
* 51 13C2 PFDA										
515.10 > 470.10	7.370	7.426	-0.056		702701	2.00			28086	
D 52 13C6 PFDA										
519.10 > 474.10	7.370	7.426	-0.056	1.000	688704	1.91		95.3	36852	
53 PFDA										
512.90 > 469.00	7.370	7.426	-0.056	1.000	265554	1.05	Target=3.00	105	14270	
512.90 > 219.00	7.370	7.426	-0.056	1.000	84210		3.15(1.50-4.50)		4515	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.495	7.536	-0.041	0.980	455659	4.93		98.6	24110	
55 NEtFOSAA										
584.20 > 419.10	7.495	7.549	-0.054	1.000	70777	0.8895	Target=2.01	89.0	191	
584.20 > 526.00	7.508	7.549	-0.041	1.002	42027		1.68(1.01-3.02)		208	
* 57 13C4 PFOS										
502.80 > 79.90	7.650	7.714	-0.064		782113	1.91			33500	
D 56 13C8 PFOS										
507.10 > 79.90	7.650	7.714	-0.064	1.000	745453	1.99		104	12811	
58 PFOS										
498.90 > 79.90	7.650	7.714	-0.064	1.000	515094	0.8787	Target=4.52	94.5	136207	
498.90 > 98.80	7.650	7.714	-0.064	1.000	121084		4.25(2.26-6.78)		346	
D 59 13C7 PFUnA										
570.00 > 525.10	7.802	7.856	-0.054	1.059	692190	2.41		121	43617	
60 PFUnA										
563.10 > 519.00	7.802	7.856	-0.054	1.000	182539	0.9785	Target=2.41	97.9	11717	
563.10 > 269.10	7.802	7.856	-0.054	1.000	76090		2.40(1.20-3.61)		4807	
61 9ClFOS										
530.80 > 351.00	7.966	8.033	-0.067	1.363	754741	1.12	Target=3.28	120	52554	
532.80 > 353.00	7.966	8.033	-0.067	1.363	243009		3.11(1.64-4.92)		16861	
62 PFNS										
548.80 > 79.90	8.052	8.124	-0.072	1.053	479184	0.99	Target=3.47	103	32654	
548.80 > 98.80	8.052	8.124	-0.072	1.053	131955		3.63(1.74-5.21)		8967	
64 PFDoA										
613.10 > 569.00	8.187	8.254	-0.067		213579	0.9388	Target=2.89	93.9	12669	
613.10 > 319.00	8.187	8.254	-0.067		74934		2.85(1.45-4.34)		4443	
D 63 PFDoA										
615.10 > 570.00	8.187	8.254	-0.067	1.111	578729	2.76		138	34538	
D 66 13C8 FOSA										
506.10 > 77.80	8.361	8.382	-0.021	1.093	1473055	2.37		119	43797	
65 PFOSA										
498.10 > 77.90	8.377	8.397	-0.020	1.002	644293	0.9537	Target=73.95	95.4	2927	
498.10 > 478.00	8.377	8.397	-0.020	1.002	7594		84.84(36.97-110.92)		49.0	
67 PFDS										
599.00 > 79.90	8.422	8.487	-0.065	1.101	477455	0.9091	Target=3.95	94.3	24191	
599.00 > 98.80	8.422	8.487	-0.065	1.101	121578		3.93(1.98-5.93)		6195	
68 PFTrDA										
663.00 > 619.00	8.541	8.624	-0.083	0.962	323579	1.03	Target=3.51	103	16020	
663.00 > 168.90	8.541	8.624	-0.083	0.962	89029		3.63(1.75-5.26)		4382	
69 11ClFOS										
630.90 > 450.90	8.692	8.778	-0.086	1.487	648796	0.9336	Target=3.05	98.9	34680	
632.90 > 452.90	8.692	8.778	-0.086	1.487	201394		3.22(1.52-4.57)		10762	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.878	8.955	-0.077	1.205	345838	1.85		92.3	17717	
71 PFTeDA										
713.10 > 168.90	8.878	8.955	-0.077	1.000	61445	1.07	Target=1.07	107	3139	
713.10 > 219.00	8.893	8.955	-0.062	1.002	50174		1.22(0.54-1.61)		253	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
72 PFDoS										
699.10 > 79.90	9.039	9.119	-0.080	1.181	621603	0.8097	Target=4.48	83.5	33856	
699.10 > 98.80	9.039	9.119	-0.080	1.181	139436		4.46(2.24-6.72)		7633	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.150	9.146	0.004	1.196	504652	4.84		96.9	8356	
74 N-MeFOSE-M										
616.10 > 58.90	9.164	9.174	-0.010	1.002	1339860	5.02		100	4884	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.231	9.241	-0.010	1.207	362970	1.89		94.3	12716	
76 NMeFOSA										
511.90 > 219.00	9.245	9.241	0.004	1.001	194939	1.00	Target=0.69	100	864	
511.90 > 169.00	9.245	9.241	0.004	1.001	281155		0.69(0.35-1.04)		1296	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.334	9.330	0.004	1.220	620691	4.89		97.7	8314	
78 N-EtFOSE-M										
630.00 > 58.90	9.346	9.355	-0.009	1.001	1911114	4.93		98.5	9214	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.405	9.401	0.004	1.229	392625	1.84		91.8	25916	
80 N-EtFOSA-M										
526.00 > 219.00	9.416	9.413	0.003	1.001	232452	0.9837	Target=0.75	98.4	1518	
526.00 > 169.00	9.416	9.413	0.003	1.001	307876		0.76(0.37-1.12)		78654	
81 Perfluorooctadecanoic acid										
913.00 > 869.00	9.611	9.773	-0.162	1.083	214442	0.5874	Target=2.09	58.7	9936	
913.00 > 169.00	9.611	9.773	-0.162	1.083	110664		1.94(1.04-3.13)		5167	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_CAL4_00033 Amount Added: 1.00 Units: mL

Report Date: 10-Mar-2025 14:55:16 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR06-49.d

Injection Date: 07-Mar-2025 05:02:58 Instrument ID: 30729

Lims ID: CCV 5_CAL 4

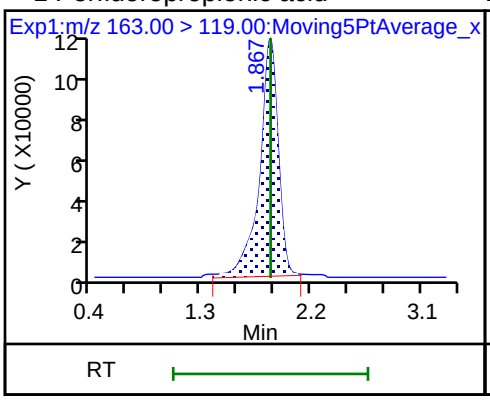
Client ID:

Operator ID: ETUS023_USR_INS00054 ALS Bottle#: 20005 Worklist Smp#: 48

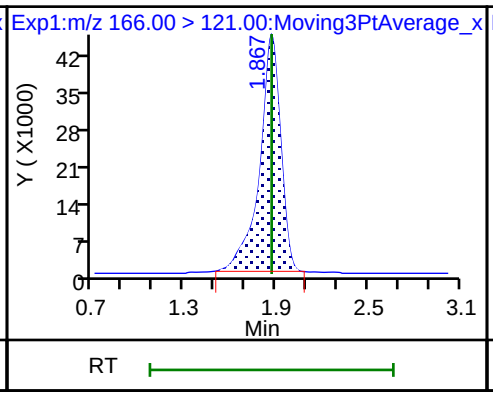
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 30729_1633Final Limit Group: LC - 1633 LVI- ICAL

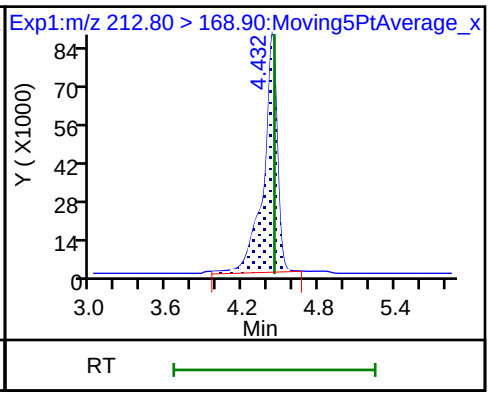
1 Perfluoropropionic acid



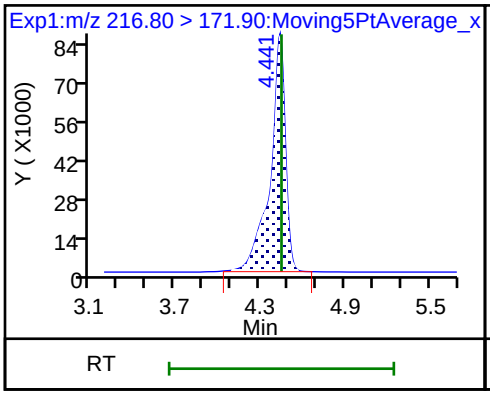
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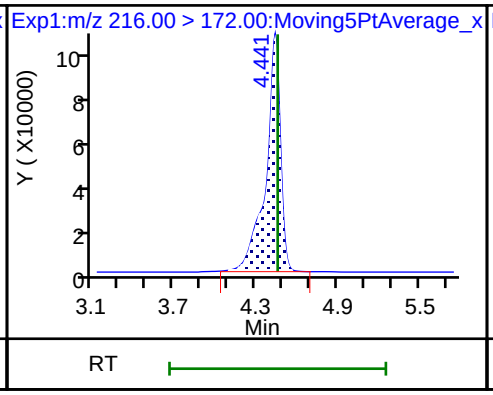
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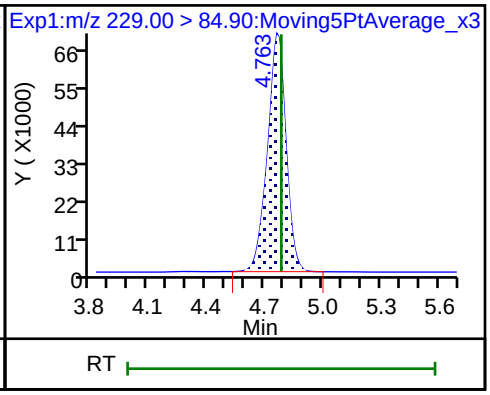
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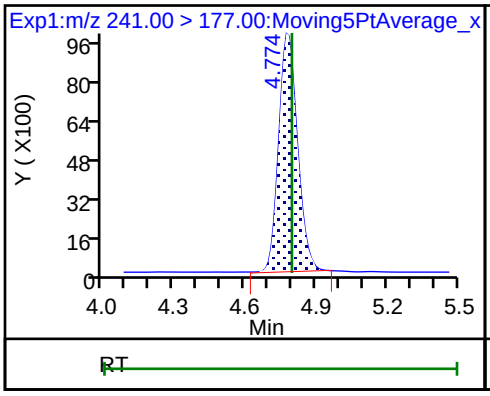
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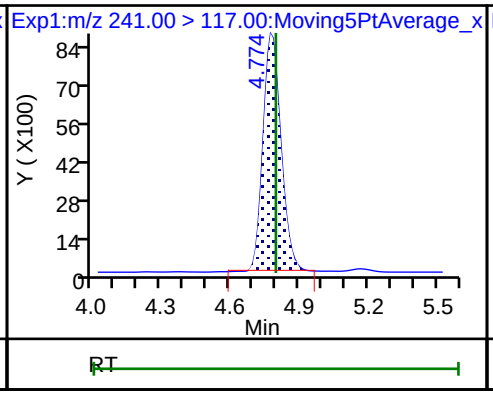
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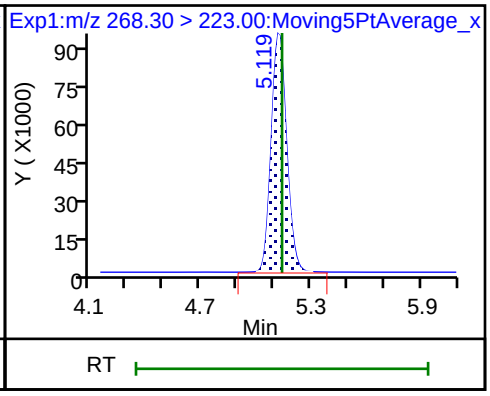
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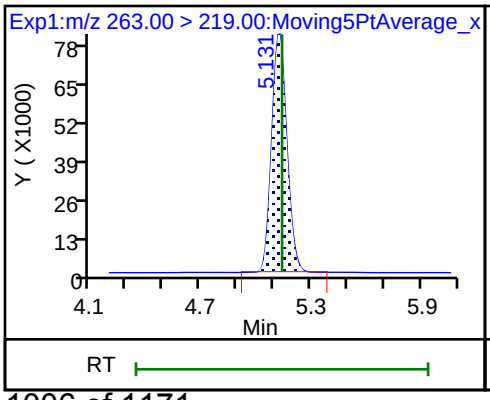
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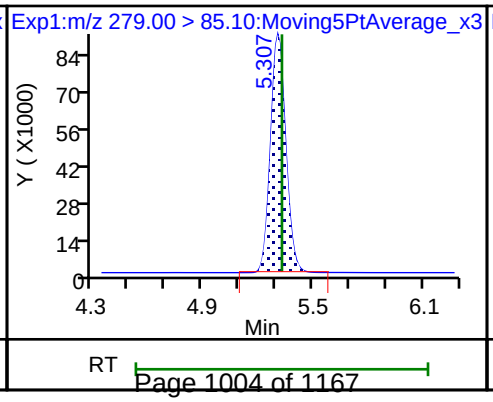
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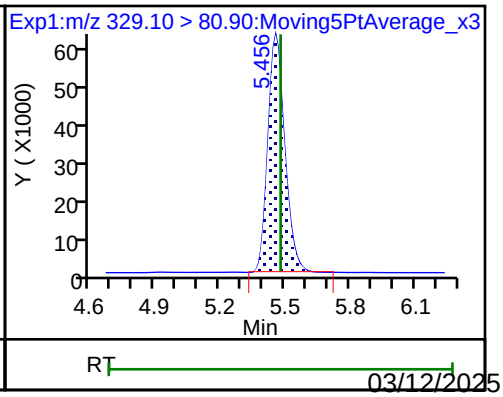
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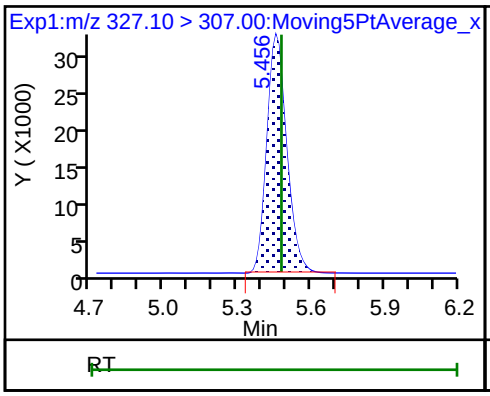
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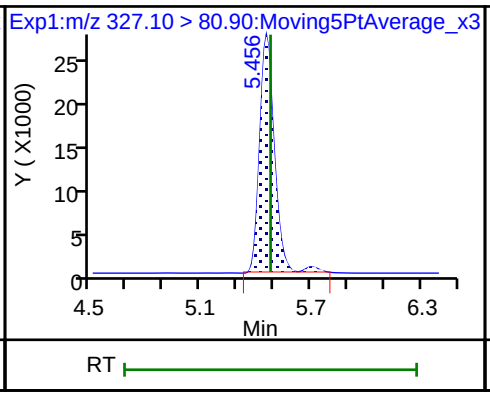
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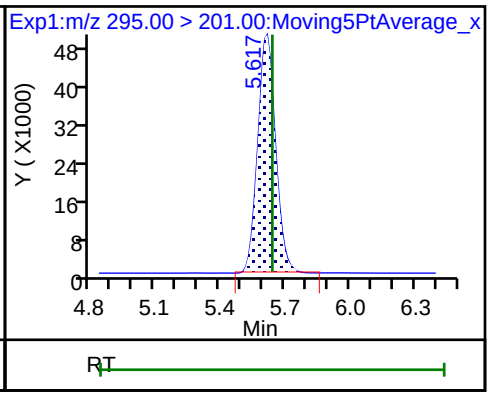
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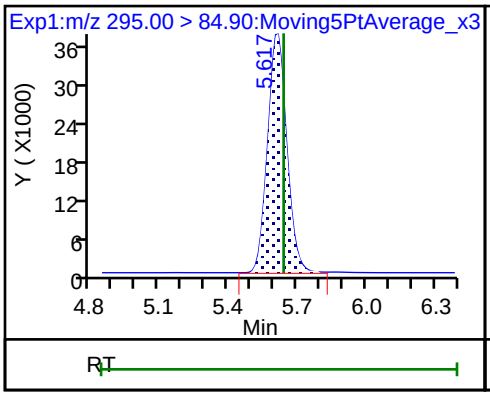
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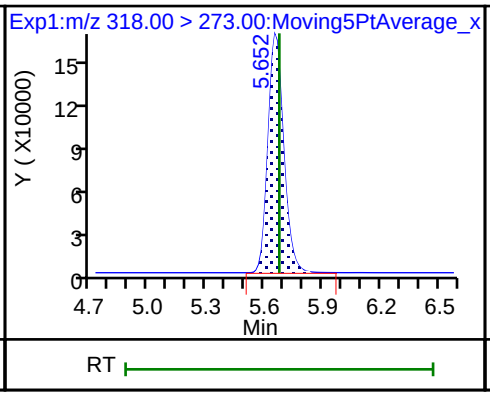
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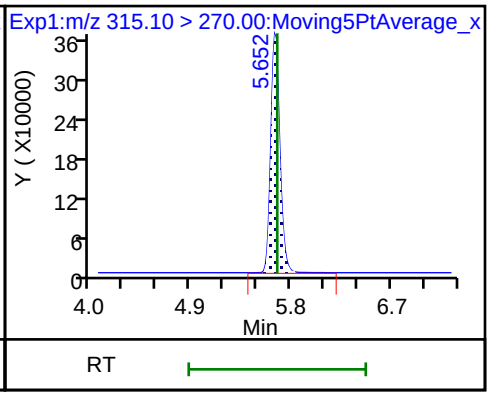
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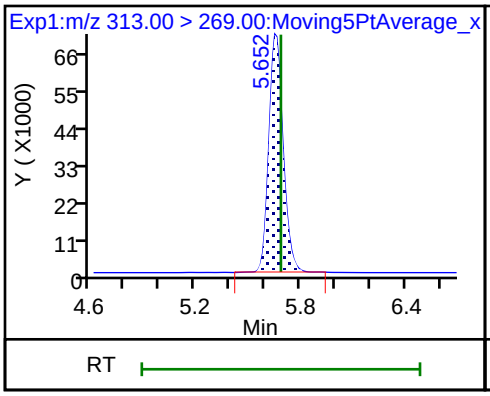
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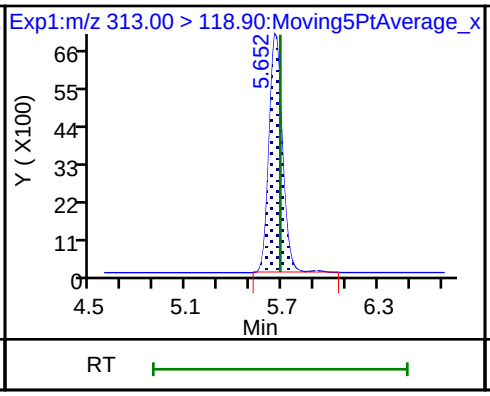
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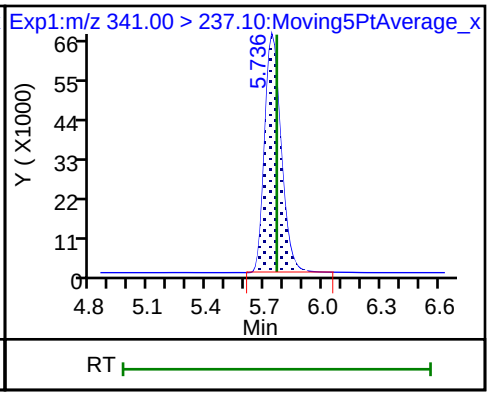
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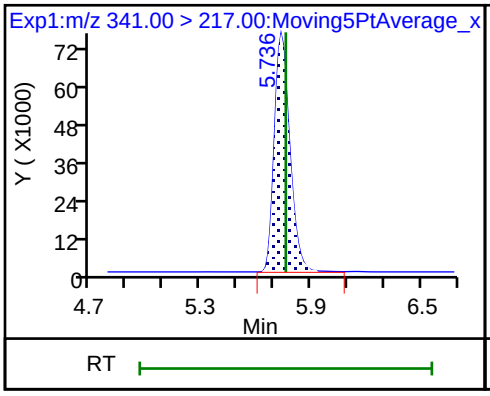
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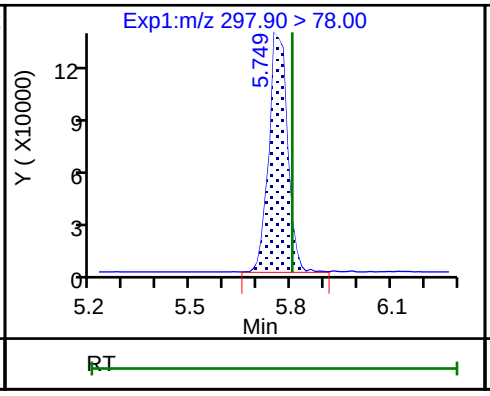
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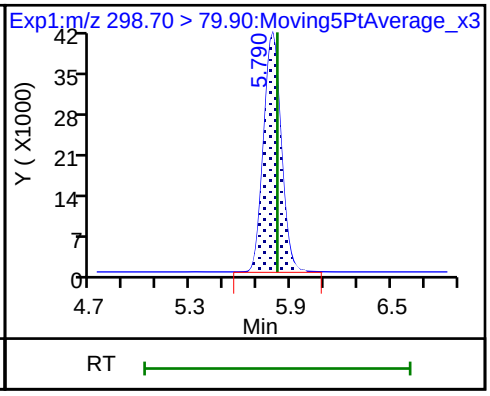
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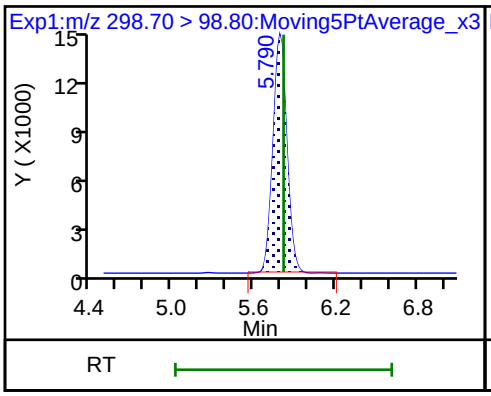
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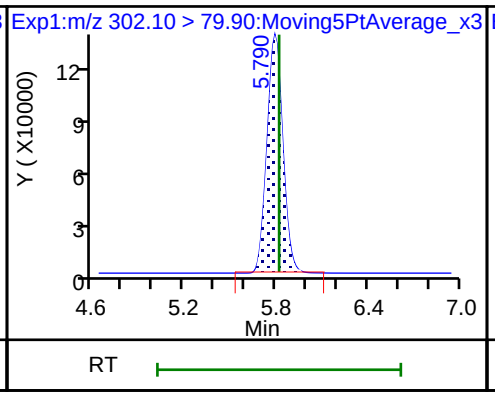
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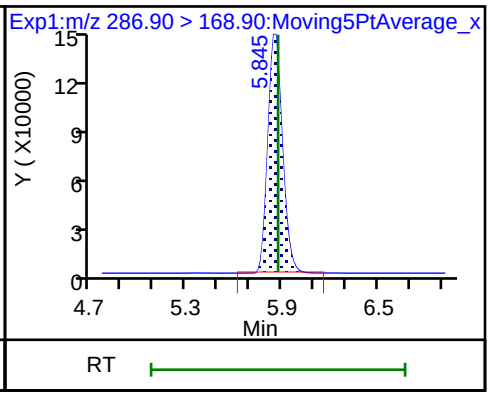
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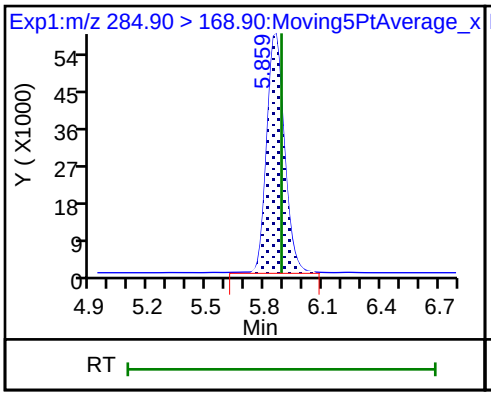
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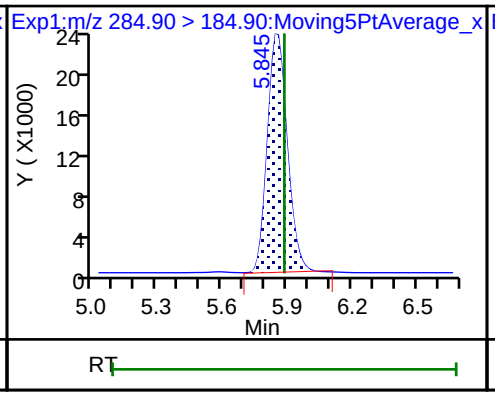
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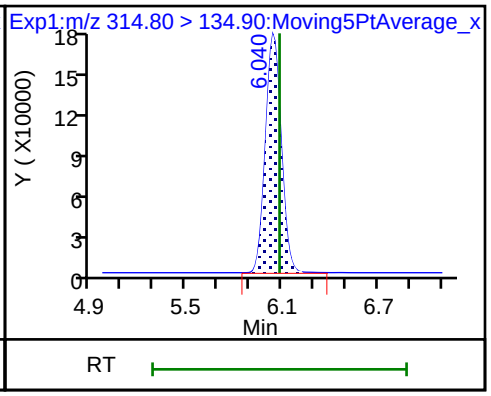
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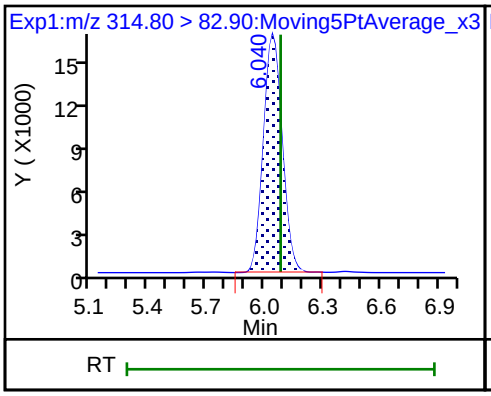
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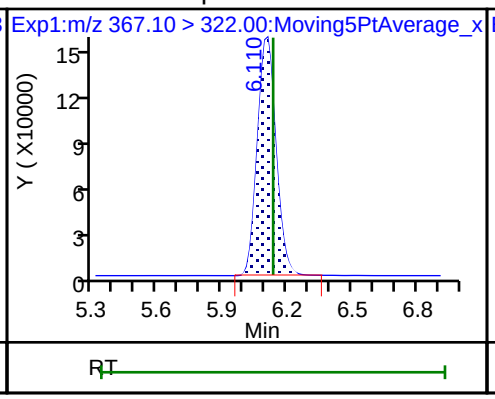
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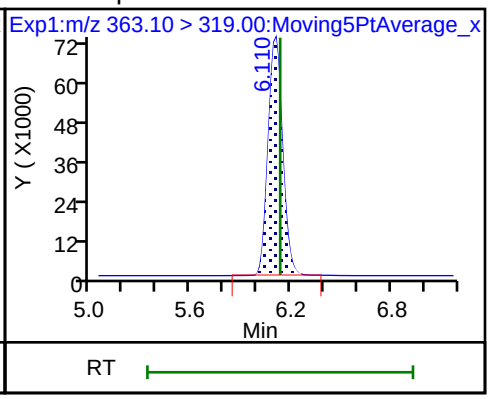
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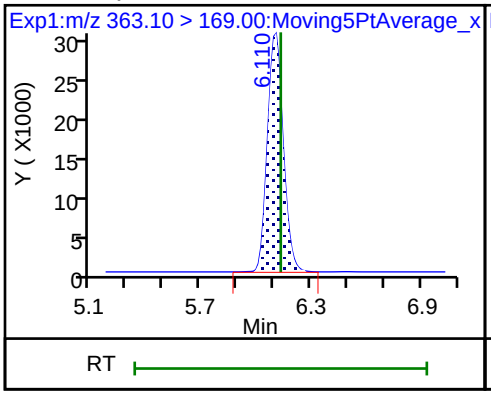
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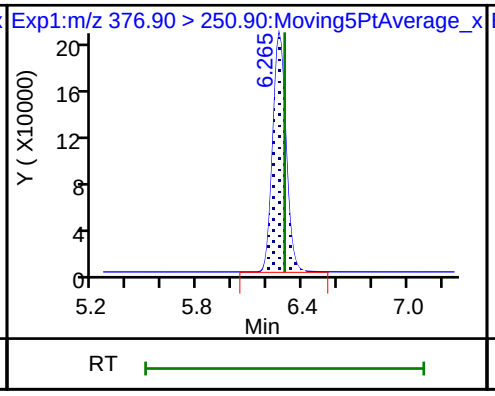
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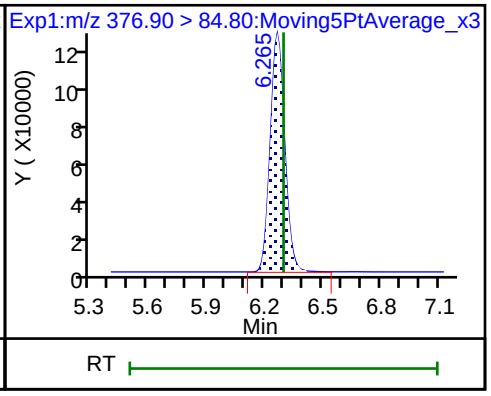
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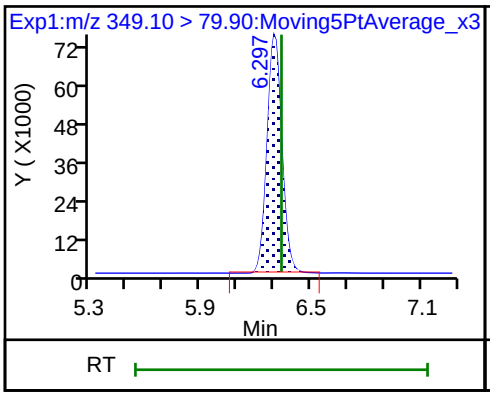
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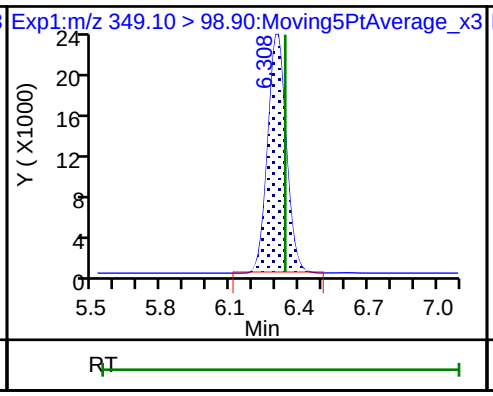
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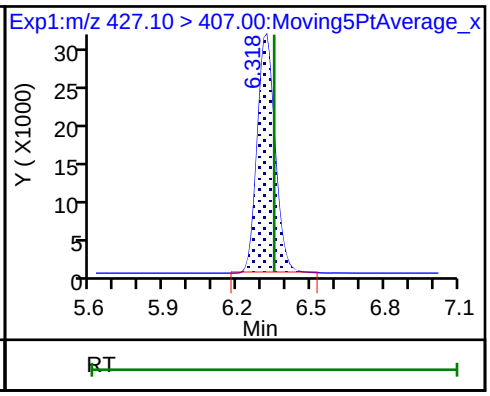
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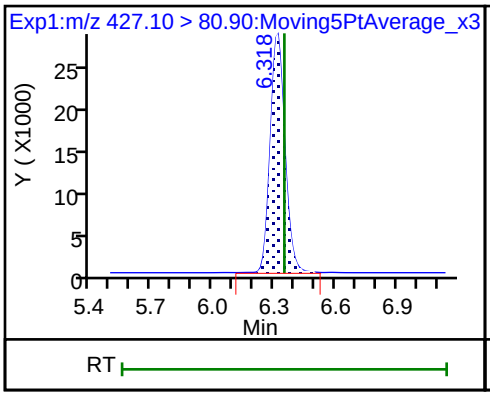
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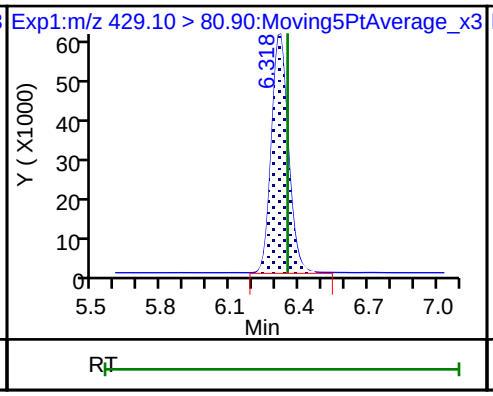
32 6:2FTS



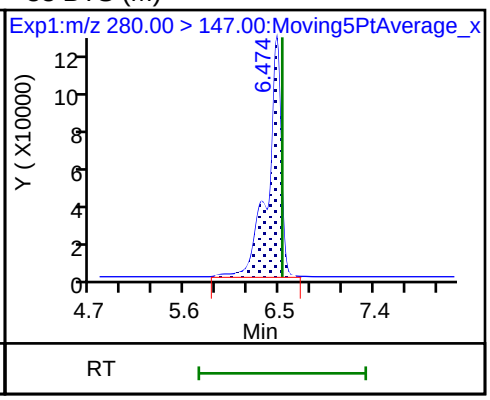
32 6:2FTS



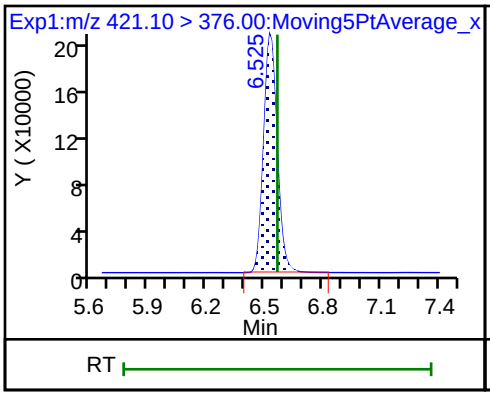
D 31 13C2-6:2FTS



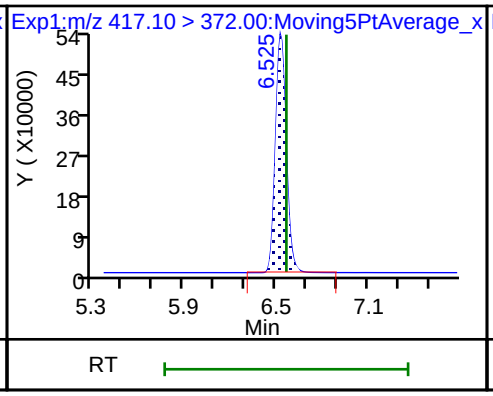
33 BTS (M)



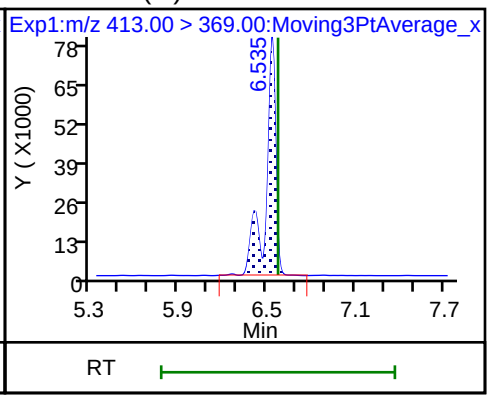
D 34 13C8 PFOA



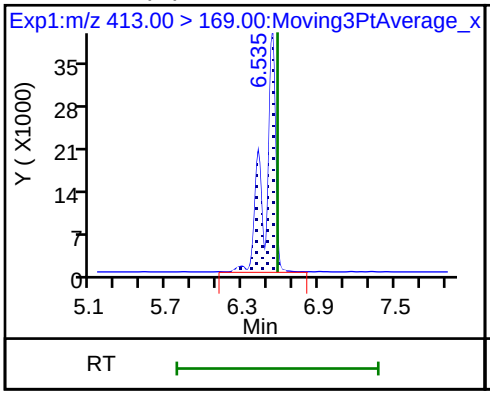
* 40 13C4 PFOA



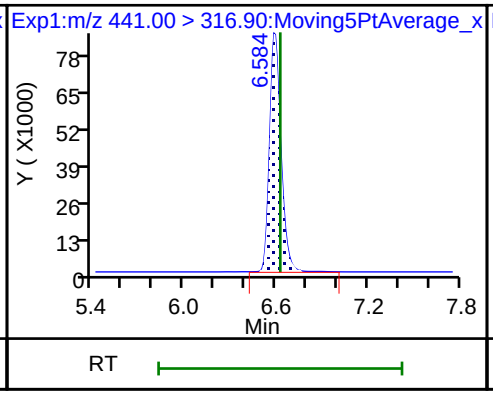
35 PFOA (M)



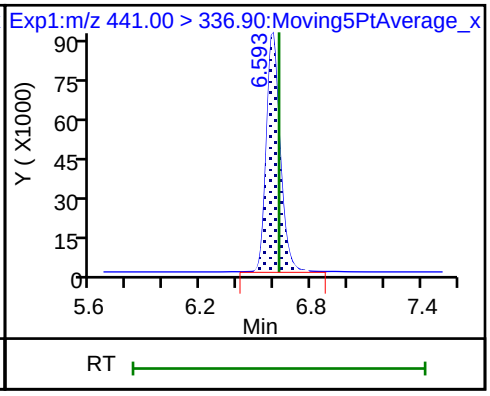
35 PFOA (M)



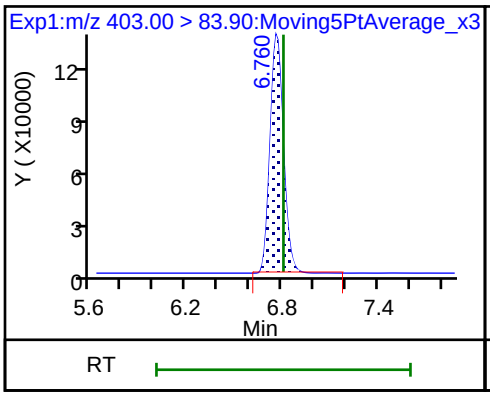
36 7:3 FTCA



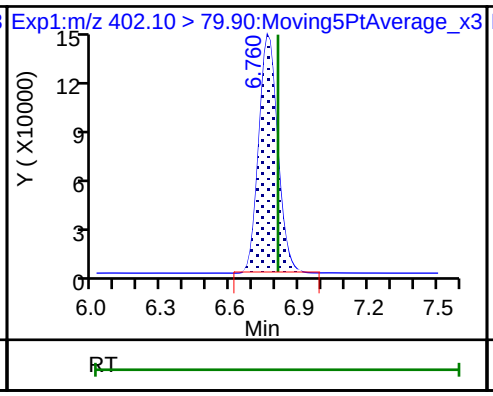
36 7:3 FTCA



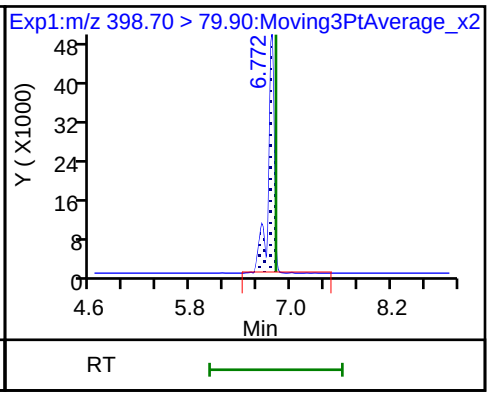
* 38 18O2 PFHxS



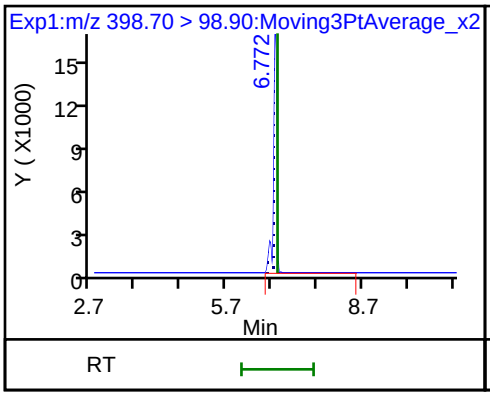
D 37 13C3 PFHxS



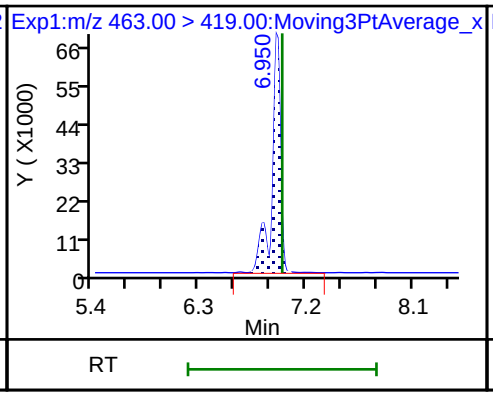
39 PFHxS



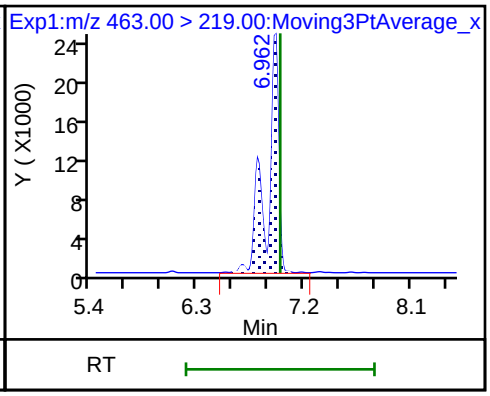
39 PFHxS



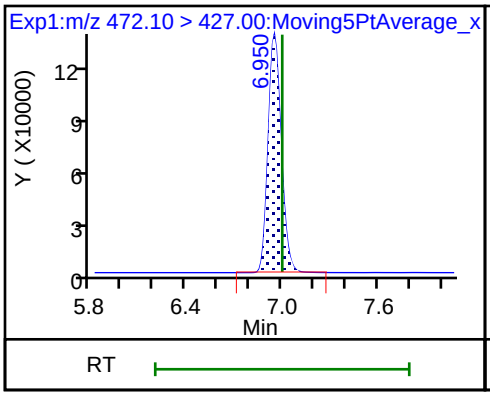
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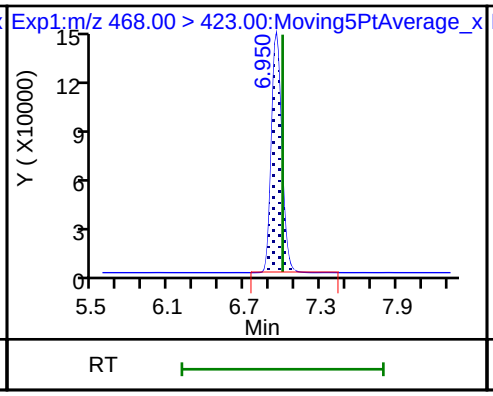
43 PFNA



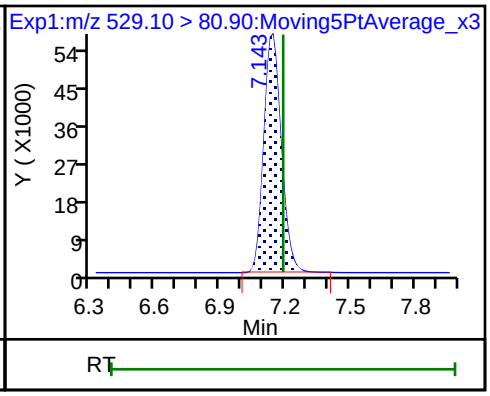
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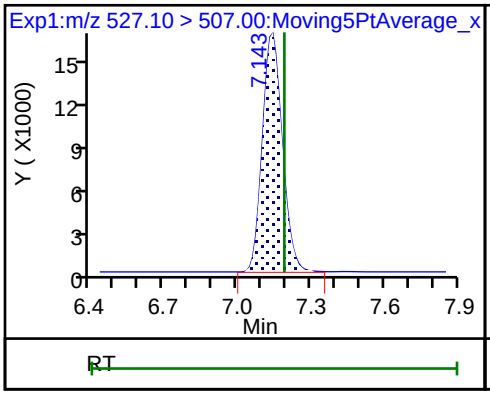
* 42 13C5 PFNA



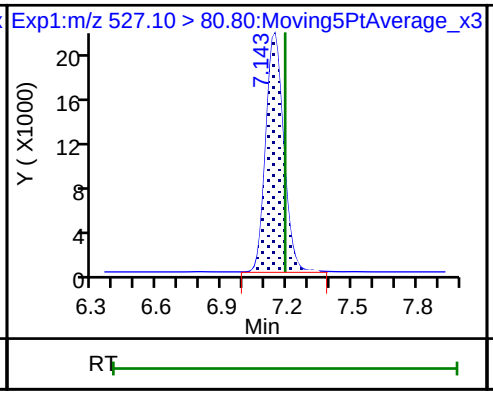
D 45 13C2-8:2FTS



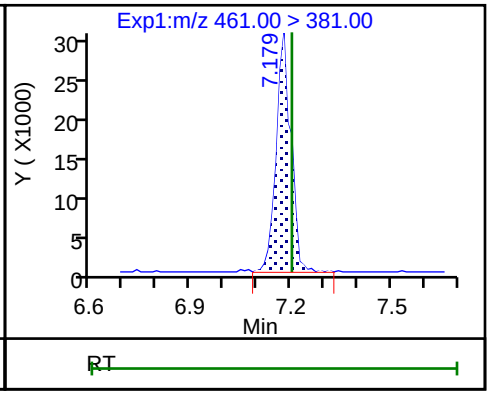
46 8:2FTS



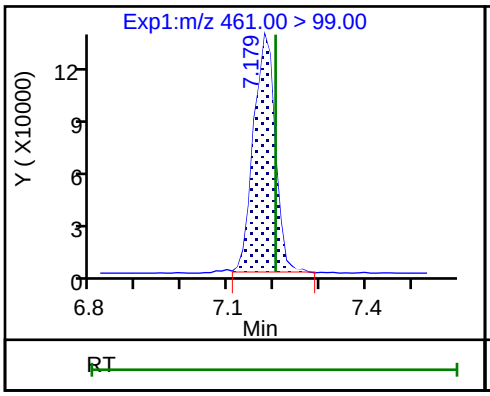
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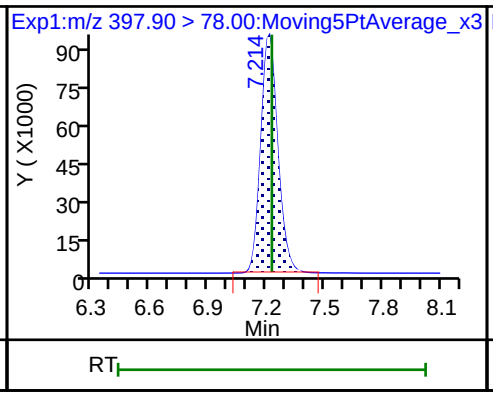
44 PFECHS



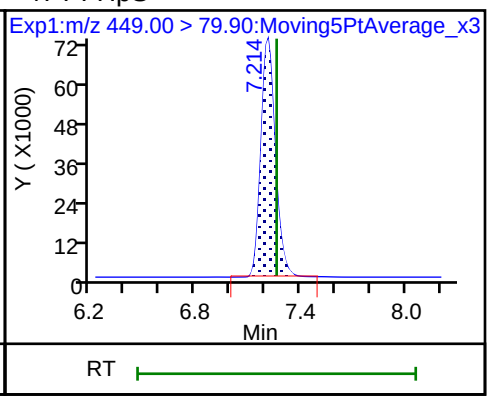
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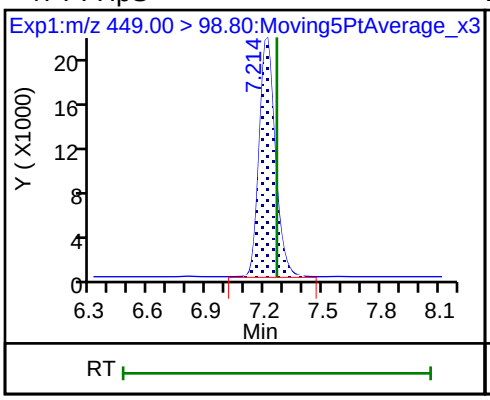
48 FHxSA



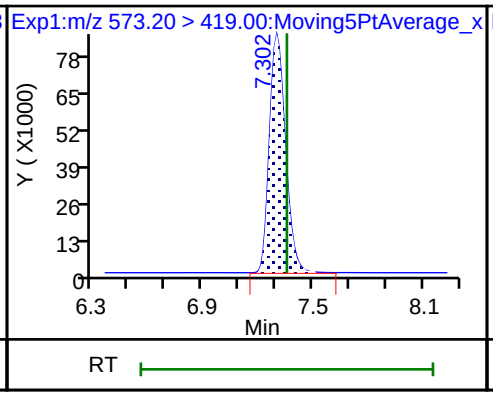
47 PFHpS



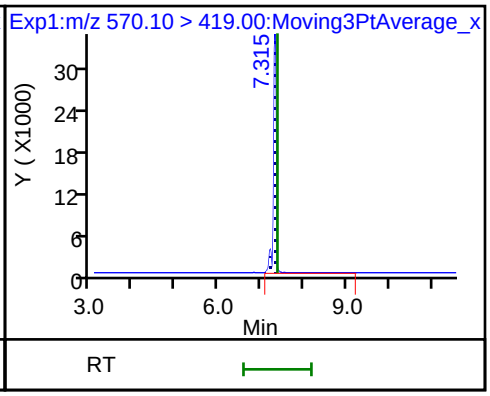
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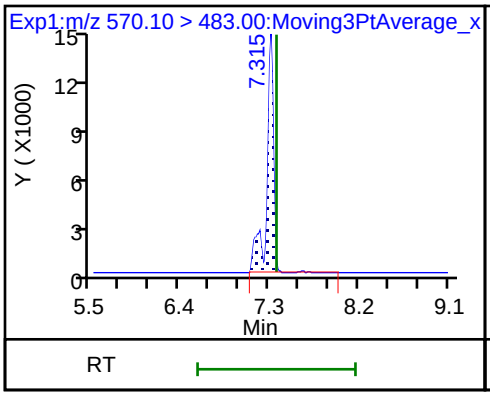
D 49 d3-NMeFOSAA



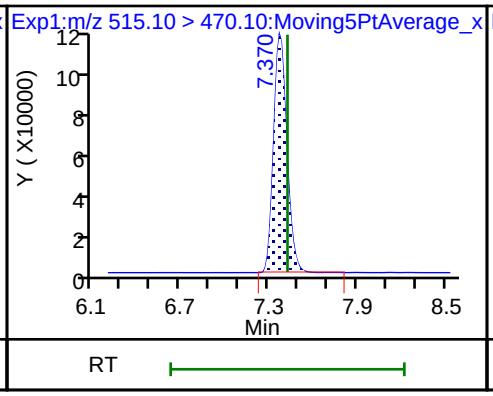
50 NMeFOSAA



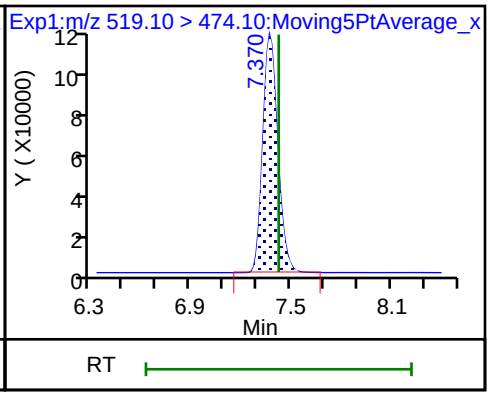
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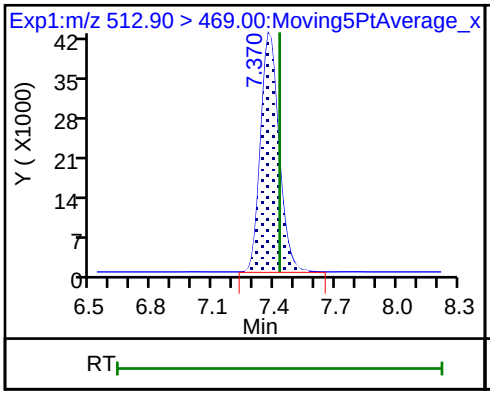
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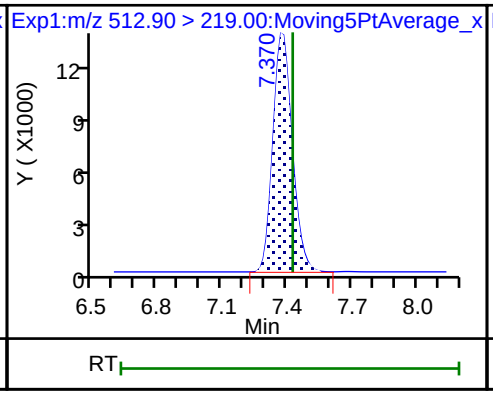
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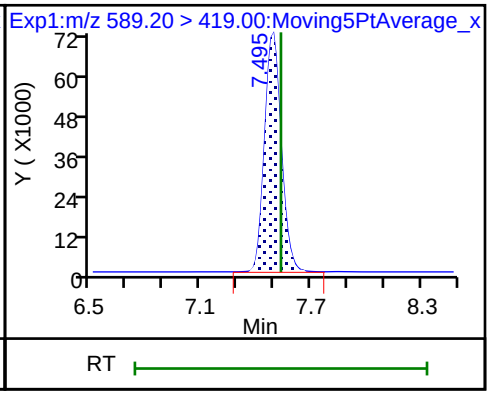
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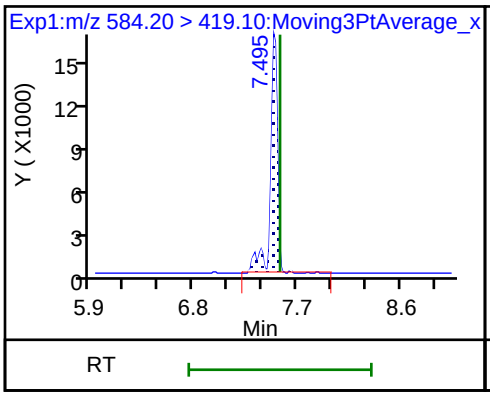
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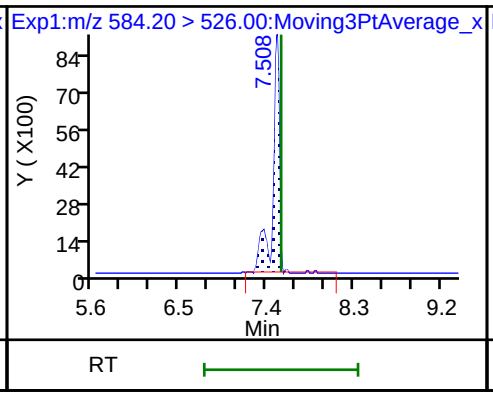
D 54 d5-NEtFOSAA



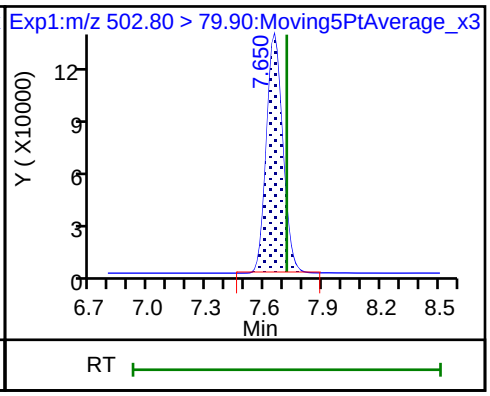
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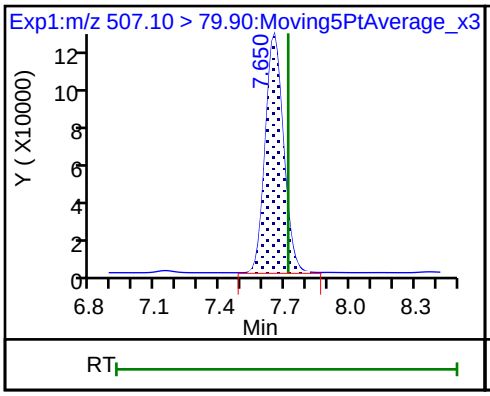
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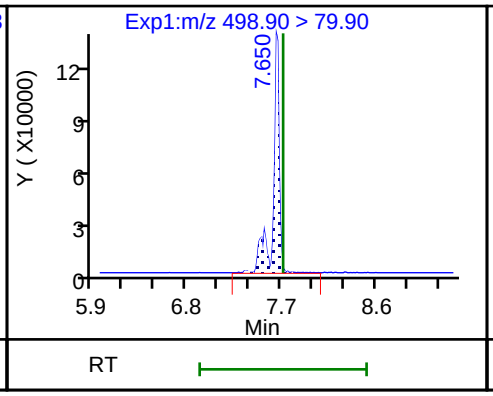
* 57 13C4 PFOS



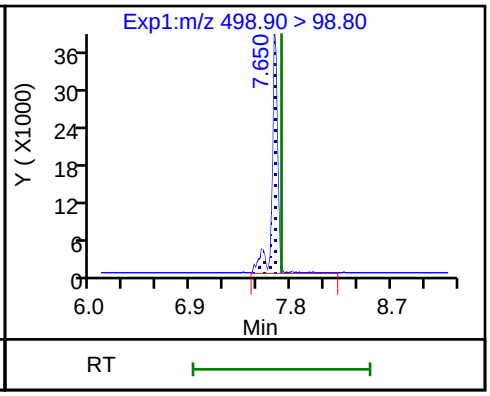
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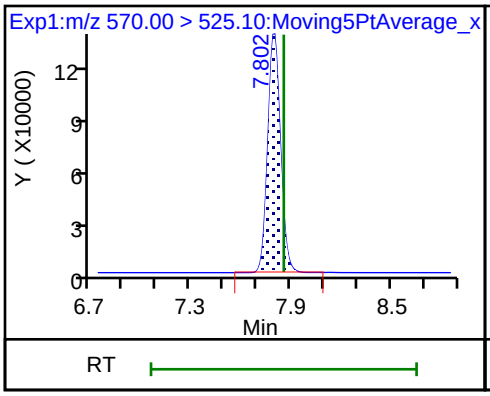
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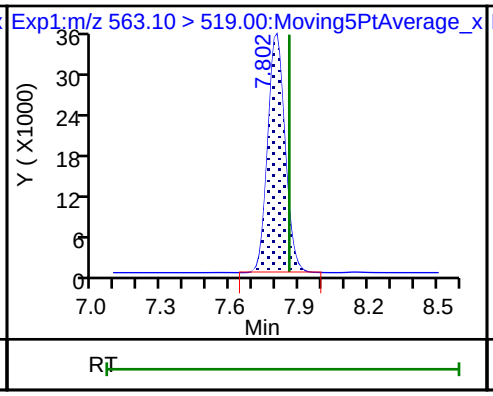
58 PFOS



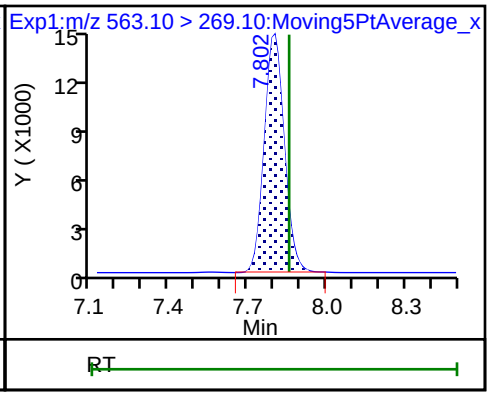
D 59 13C7 PFUnA



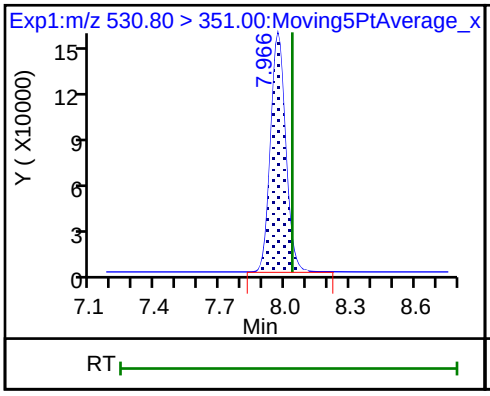
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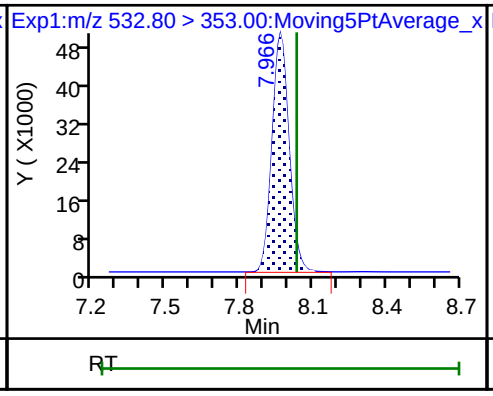
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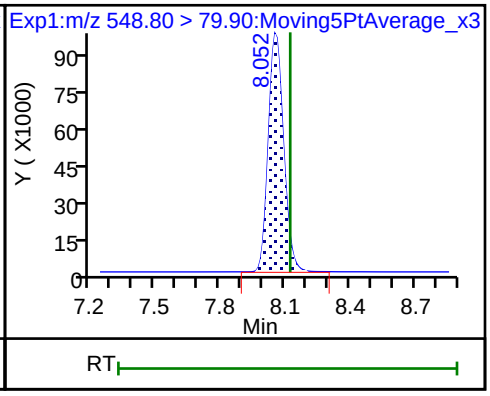
61 9ClFOS



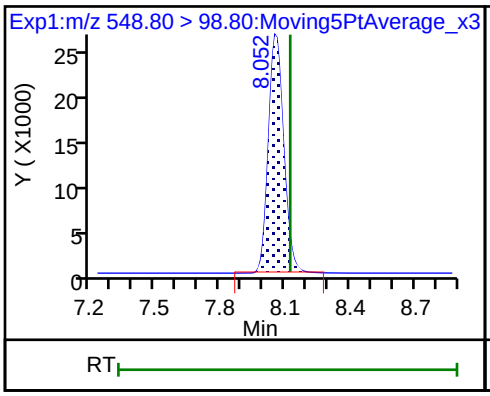
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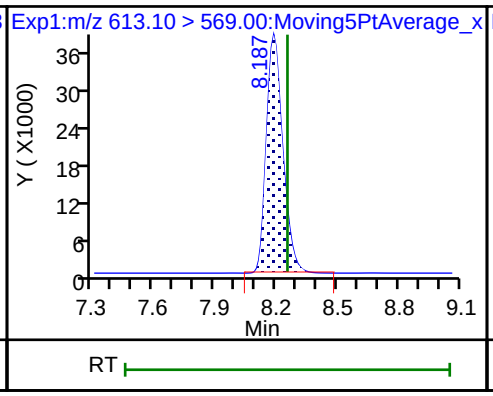
62 PFNS



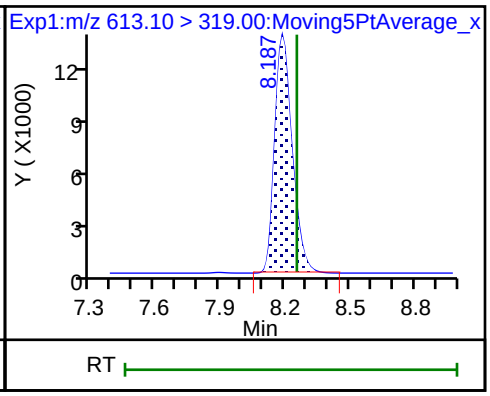
62 PFNS



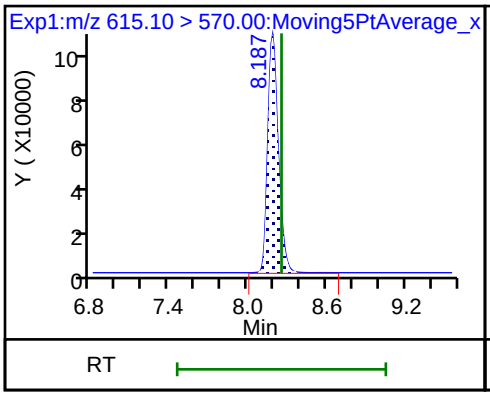
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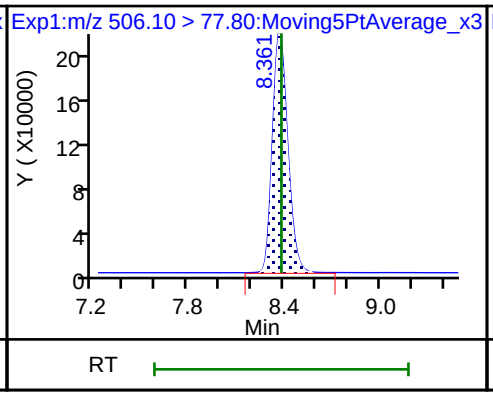
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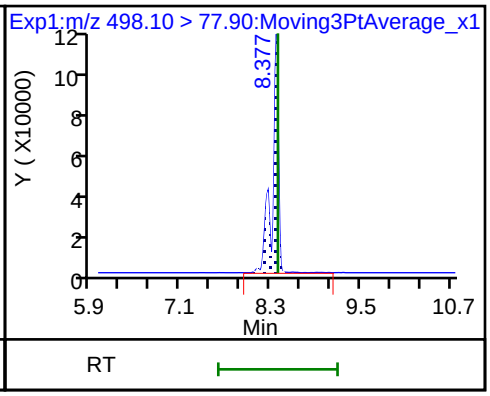
D 63 PFDoA



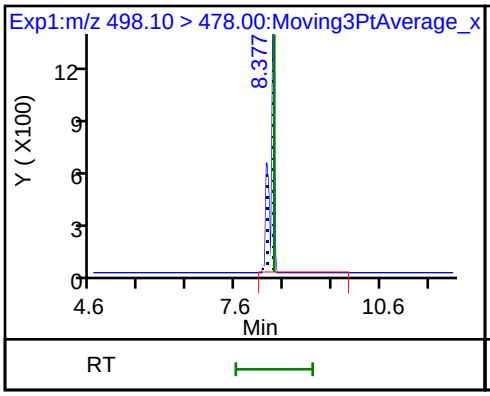
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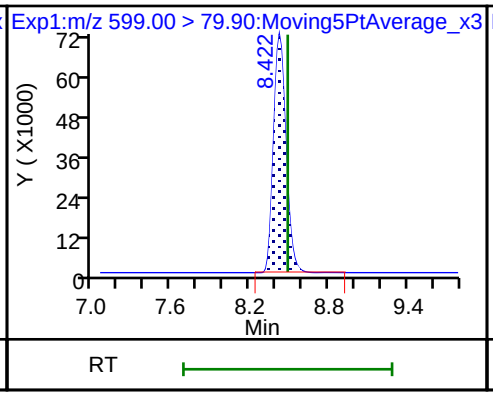
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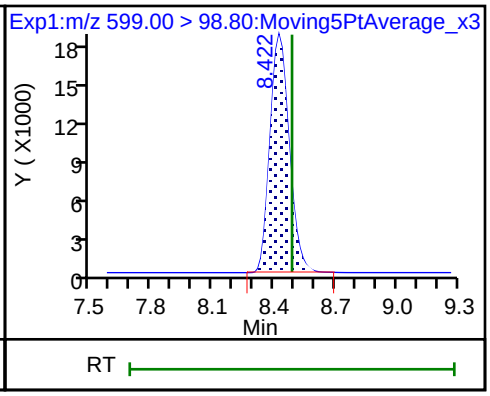
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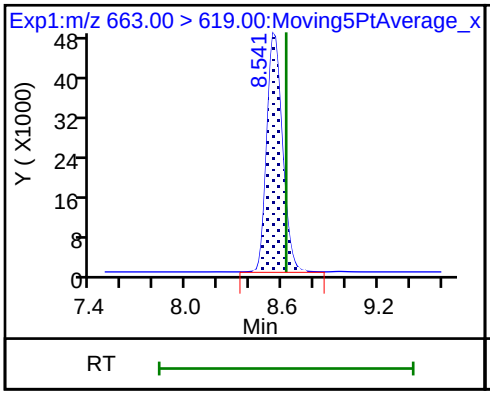
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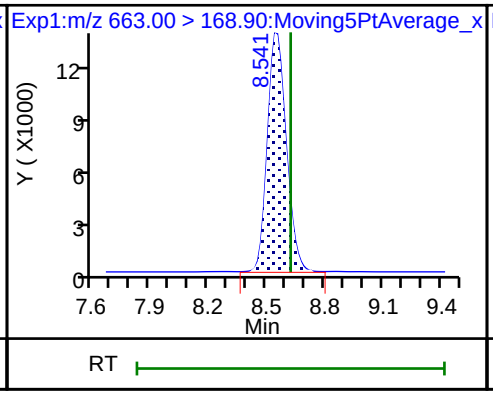
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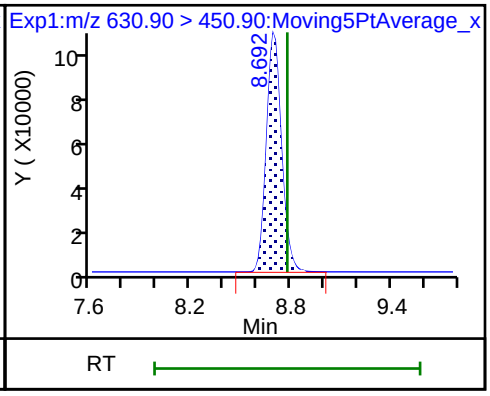
68 PFTrDA



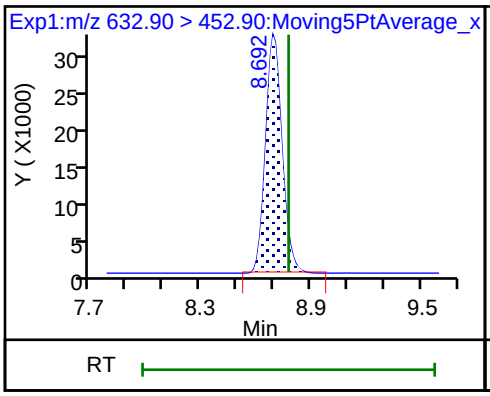
68 PFTrDA



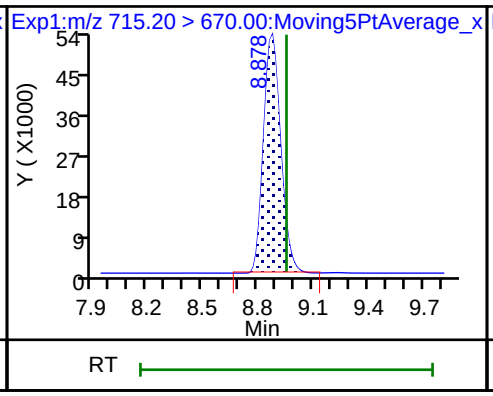
69 11ClFOS



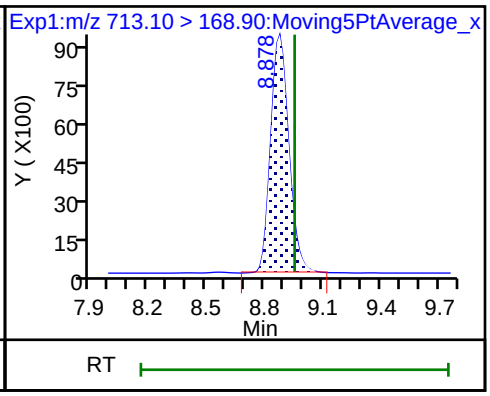
69 11ClFOS



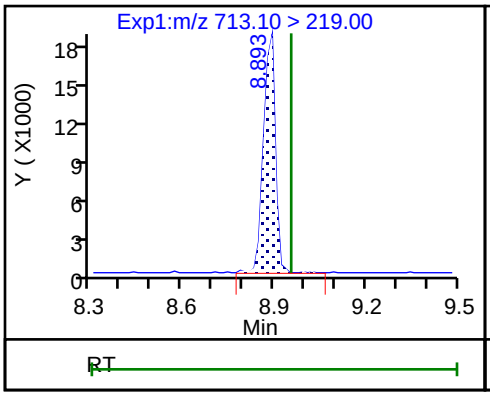
D 70 13C2 PFTeDA



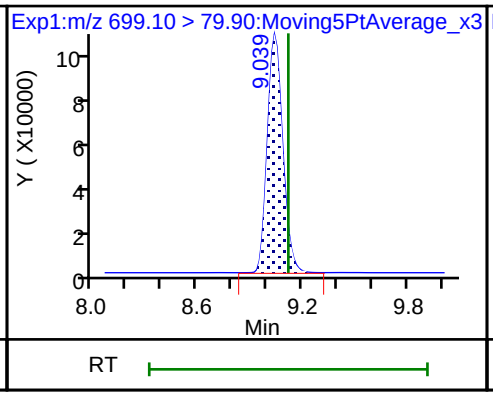
71 PFTeDA



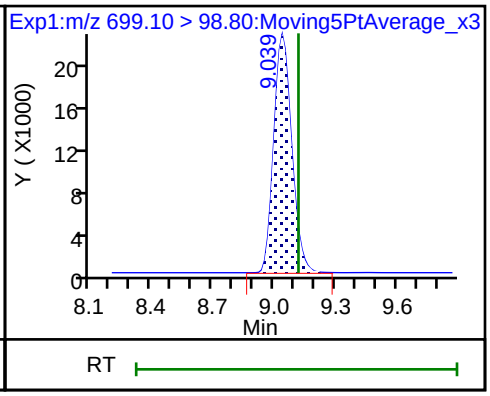
71 PFTeDA



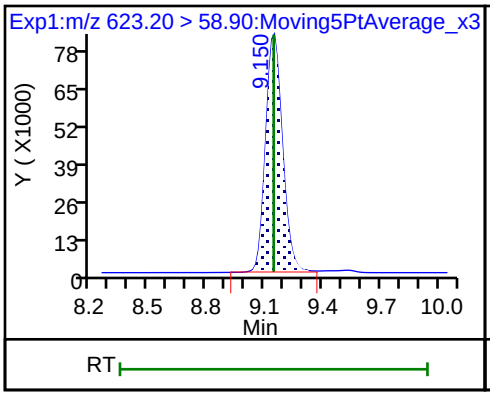
72 PFDoS



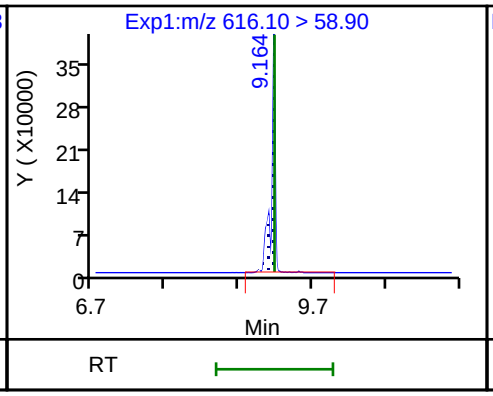
72 PFDoS



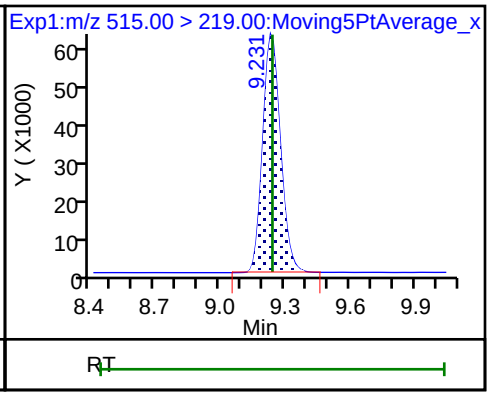
D 73 d7-N-Me-FOSE



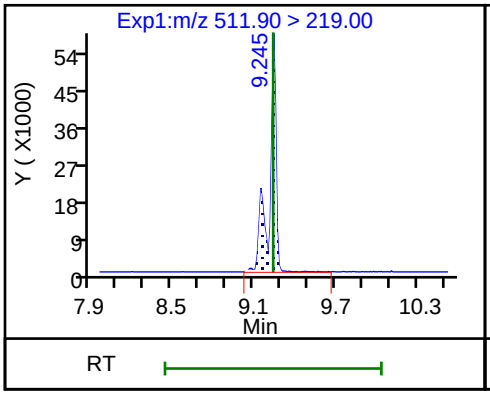
74 N-MeFOSE-M



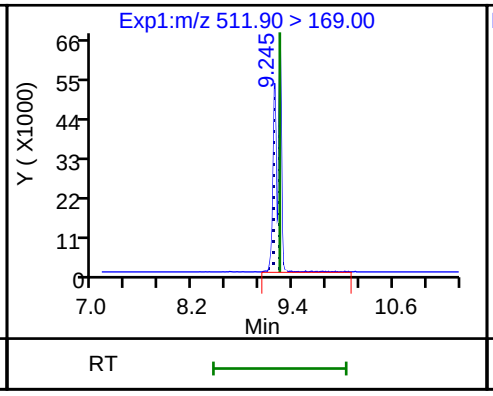
D 75 d3-NMePFOSA



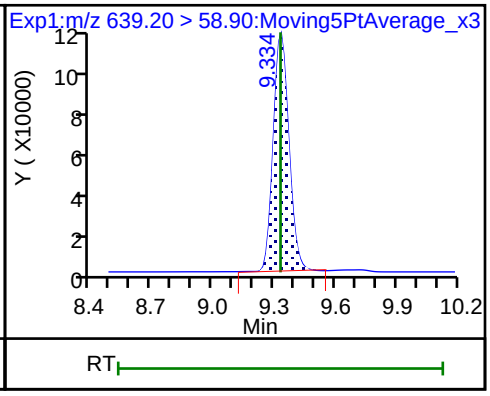
76 NMeFOSA



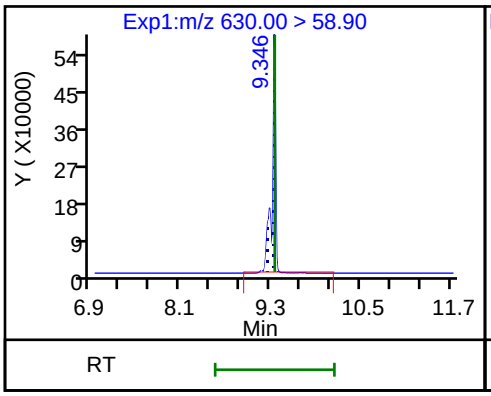
76 NMeFOSA



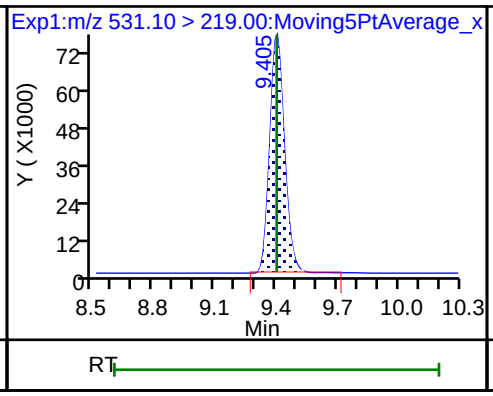
D 77 d9-N-EtFOSE



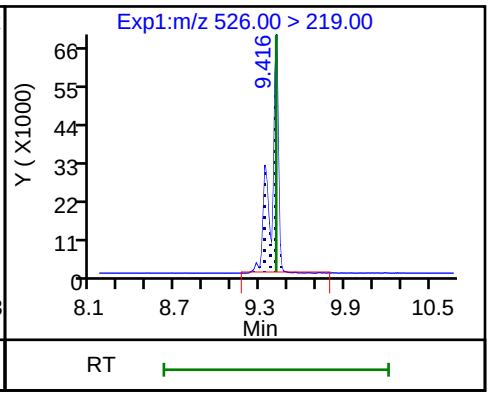
78 N-EtFOSE-M



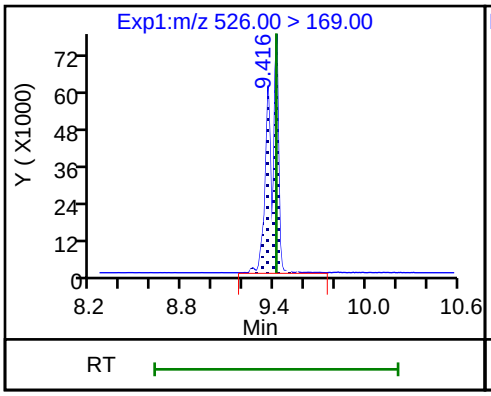
D 79 d5-NEtPFOSA



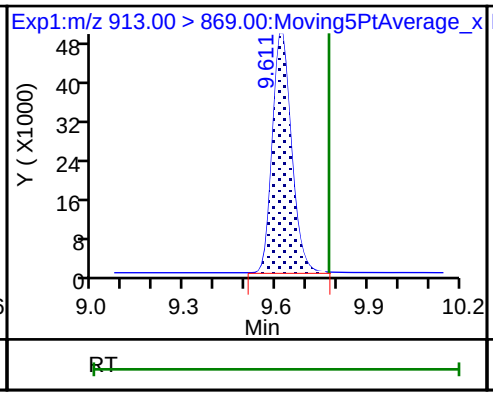
80 N-EtFOSA-M



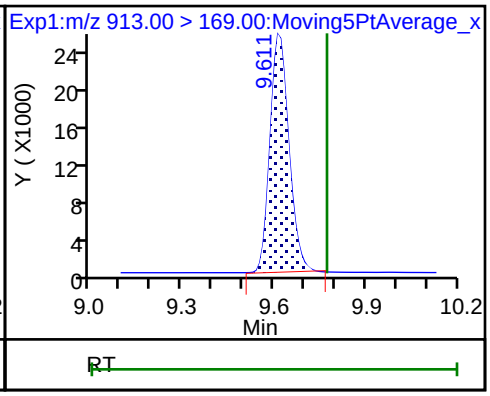
80 N-EtFOSA-M



81 Perfluorooctadecanoic acid



81 Perfluorooctadecanoic acid



FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-613015/1-A

Matrix: Water
Lab File ID: 25MAR05W-78.d

Analysis Method: 1633
Date Collected:

Extraction Method: 1633
Date Extracted: 03/05/2025 07:58

Sample wt/vol: 125(mL)
Date Analyzed: 03/06/2025 06:16

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613042
Units: ng/L

Preparation Batch No.: 613015
Instrument ID: 29347

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	ND		4.0	1.1
2706-90-3	Perfluoropentanoic acid	ND		2.0	0.60
307-24-4	Perfluorohexanoic acid	ND		2.0	0.50
375-85-9	Perfluoroheptanoic acid	ND		2.0	0.80
335-67-1	Perfluorooctanoic acid	ND		2.0	0.90
375-95-1	Perfluorononanoic acid	ND		2.0	0.50
335-76-2	Perfluorodecanoic acid	ND		2.0	0.50
2058-94-8	Perfluoroundecanoic acid	ND		2.0	0.50
307-55-1	Perfluorododecanoic acid	ND		2.0	0.50
72629-94-8	Perfluorotridecanoic acid	ND		2.0	0.50
376-06-7	Perfluorotetradecanoic acid	ND		2.0	0.50
375-73-5	Perfluorobutanesulfonic acid	ND		2.0	0.50
2706-91-4	Perfluoropentanesulfonic acid	ND		2.0	0.50
355-46-4	Perfluorohexanesulfonic acid	ND		2.0	0.80
375-92-8	Perfluoroheptanesulfonic acid	ND		2.0	0.50
1763-23-1	Perfluorooctanesulfonic acid	ND		2.0	0.50
68259-12-1	Perfluorononanesulfonic acid	ND		2.0	0.50
335-77-3	Perfluorodecanesulfonic acid	ND		2.0	0.50
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.60
757124-72-4	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		4.0	1.0
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.0	1.0
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		4.0	1.0
754-91-6	Perfluorooctanesulfonamide	ND		2.0	0.50
31506-32-8	NMeFOSA	ND		2.0	0.50
4151-50-2	N-ethylperfluoro-1-octanesulfonamide	ND		2.0	0.50
2355-31-9	NMeFOSAA	ND		2.0	0.50
2991-50-6	NEtFOSAA	ND		2.0	0.50

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-613015/1-A

Matrix: Water
Lab File ID: 25MAR05W-78.d

Analysis Method: 1633
Date Collected:

Extraction Method: 1633
Date Extracted: 03/05/2025 07:58

Sample wt/vol: 125(mL)
Date Analyzed: 03/06/2025 06:16

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613042
Units: ng/L

Preparation Batch No.: 613015
Instrument ID: 29347

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
24448-09-7	2-(N-methylperfluoro-1-octanesulfonamido) ethanol	ND		10	2.5
1691-99-2	2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	ND		10	2.5
13252-13-6	HFPO-DA	ND		2.0	0.75
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.50
377-73-1	Perfluoro-3-methoxypropanoic acid	ND		2.0	0.50
863090-89-5	Perfluoro(4-methoxybutanoic acid)	ND		2.0	0.50
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid	ND		2.0	0.50
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND		2.0	0.50
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		2.0	0.50
113507-82-7	PFEESA	ND		2.0	0.50
356-02-5	3:3 FTCA	ND		4.0	1.0
914637-49-3	5:3 FTCA	ND		10	2.8
812-70-4	7:3 FTCA	ND		10	2.5

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-613015/1-A

Matrix: Water
Lab File ID: 25MAR05W-78.d

Analysis Method: 1633
Date Collected:

Extraction Method: 1633
Date Extracted: 03/05/2025 07:58

Sample wt/vol: 125(mL)
Date Analyzed: 03/06/2025 06:16

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613042
Units: ng/L

Preparation Batch No.: 613015
Instrument ID: 29347

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	81.2		5-130
STL01893	13C5 PFPeA	87.6		40-130
STL02577	13C5 PFHxA	82.0		40-130
STL01892	13C4 PFHpA	85.5		40-130
STL01052	13C8 PFOA	82.3		40-130
STL02578	13C9 PFNA	87.8		40-130
STL02579	13C6 PFDA	80.2		40-130
STL02580	13C7 PFUnA	85.5		30-130
STL02116	13C2 PFTeDA	81.6		10-130
STL02337	13C3 PFBS	76.0		40-135
STL02581	13C3 PFHxS	81.8		40-130
STL01054	13C8 PFOS	89.4		40-130
STL01056	13C8 FOSA	65.5		40-130
STL02118	d3-NMeFOSAA	81.3		40-170
STL02117	d5-NEtFOSAA	83.1		25-135
STL02395	M2-4:2 FTS	70.0		40-200
STL02279	M2-6:2 FTS	74.1		40-200
STL02280	M2-8:2 FTS	72.2		40-300
STL02255	13C3 HFPO-DA	85.5		40-130
STL02277	d7-N-MeFOSE-M	66.4		10-130
STL02278	d9-N-EtFOSE-M	67.5		10-130
STL02704	d5-NEtPFOSA	48.9		10-130
STL02705	d3-NMePFOSA	48.6		10-130
STL00998	13C2 PFDoA	75.6		10-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\25MAR05W-78.d
Lims ID: MB 410-613015/1-A
Client ID:
Sample Type: MB
Inject. Date: 06-Mar-2025 06:16:52 ALS Bottle#: 34 Worklist Smp#: 140
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-613015/1-A
Misc. Info.: Plate: 1 Rack: 1 410-0139917-140
Operator ID: US19_USR_INS00012E Instrument ID: 29347

Method: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\29347_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 06-Mar-2025 15:56:13 Calib Date: 27-Feb-2025 16:49:35
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1676

First Level Reviewer: JU9U Date: 06-Mar-2025 15:48:00
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C3PFPrA										
166.00 > 121.00	1.731	1.806	-0.075	0.422	1204735	2.08		104	457	
D 4 13C4-PFBA										
216.80 > 171.90	4.103	4.116	-0.013	1.000	2205148	1.62		81.2	74991	
* 5 13C3PFBA										
216.00 > 172.00	4.103	4.116	-0.013		2369030	2.00			550	
D 9 13C5 PFPeA										
268.30 > 223.00	4.710	4.711	-0.001	0.894	885244	1.75		87.6	44250	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.052	5.063	-0.011	0.779	464478	3.28		70.0	25611	
D 17 13C5 PFHxA										
318.00 > 273.00	5.271	5.281	-0.010	1.000	1730885	1.64		82.0	63617	
* 15 13C2 PFHxA										
315.10 > 270.00	5.271	5.281	-0.010		4889384	5.00			135037	
D 20 13C3 PFBS										
302.10 > 79.90	5.406	5.418	-0.012	0.833	2433210	1.42		76.0	88884	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.483	5.496	-0.013	1.040	1162285	1.71		85.5	43993	
23 TCDCA										
498.10 > 80.00	5.385	5.638	-0.253	0.730	972	NR			803	
25 TDCA										
498.00 > 80.00	6.021	5.778	0.243	0.816	1204	NR			5.5	
D 27 13C4 PFHpA										
367.10 > 322.00	5.778	5.790	-0.012	1.096	2209603	1.71		85.5	86447	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.021	6.031	-0.010	0.928	346500	3.53		74.1	18819	
D 34 13C8 PFOA										
421.10 > 376.00	6.244	6.254	-0.010	0.998	2229078	1.65		82.3	78214	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 35 13C4 PFOA										
417.10 > 372.00	6.254	6.254	0.0		6679422	5.00			668071	
* 38 18O2 PFHxS										
403.00 > 83.90	6.486	6.496	-0.010		3001040	1.89			206223	
D 39 13C3 PFHxS										
402.10 > 79.90	6.486	6.496	-0.010	1.000	2414729	1.55		81.8	100162	
* 43 13C5 PFNA										
468.00 > 423.00	6.692	6.701	-0.009		2790057	2.00			122743	
D 41 13C9 PFNA										
472.10 > 427.00	6.692	6.701	-0.009	1.000	2396245	1.76		87.8	104943	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.889	6.898	-0.009	1.062	213587	3.47		72.2	16416	
D 50 d3-NMeFOSAA										
573.20 > 419.00	7.050	7.058	-0.008	0.955	2411078	4.07		81.3	135572	
D 53 13C6 PFDA										
519.10 > 474.10	7.120	7.128	-0.008	1.000	1855072	1.60		80.2	103473	
* 52 13C2 PFDA										
515.10 > 470.10	7.120	7.128	-0.008		2256721	2.00			167278	
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.238	7.246	-0.008	0.981	2117659	4.15		83.1	115823	
D 56 13C8 PFOS										
507.10 > 79.90	7.381	7.388	-0.007	1.000	2616489	1.71		89.4	71525	
* 57 13C4 PFOS										
502.80 > 79.90	7.381	7.398	-0.017		3111817	1.91			136471	
D 60 13C7 PFUnA										
570.00 > 525.10	7.542	7.551	-0.009	1.059	1408666	1.71		85.5	71488	
D 64 PFDoA										
615.10 > 570.00	7.945	7.960	-0.015	1.116	1005099	1.51		75.6	60587	
D 66 13C8 FOSA										
506.10 > 77.80	8.076	8.066	0.010	1.094	1927284	1.31		65.5	72284	
D 71 13C2 PFTeDA										
715.20 > 670.00	8.682	8.689	-0.007	1.219	1147450	1.63		81.6	54607	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.002	8.998	0.004	1.220	551776	3.32		66.4	4539	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.111	9.099	0.012	1.234	315429	0.9724		48.6	25309	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.227	9.224	0.003	1.250	702298	3.38		67.5	2852	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.302	9.299	0.003	1.260	354541	0.9771		48.9	16361	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

1633_125_IS_V_00233 Amount Added: 50.00 Units: uL

Report Date: 06-Mar-2025 15:56:32 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\25MAR05W-78.d

Injection Date: 06-Mar-2025 06:16:52 Instrument ID: 29347

Lims ID: MB 410-613015/1-A

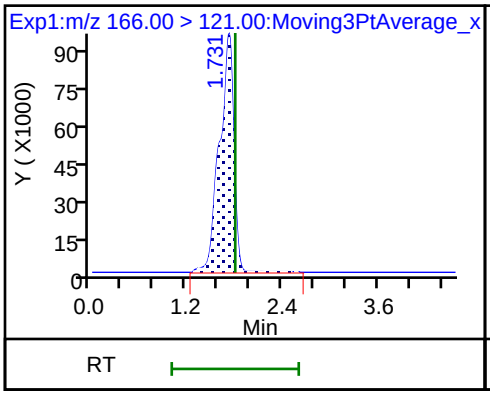
Client ID:

Operator ID: US19_USR_INS00012E ALS Bottle#: 34 Worklist Smp#: 140

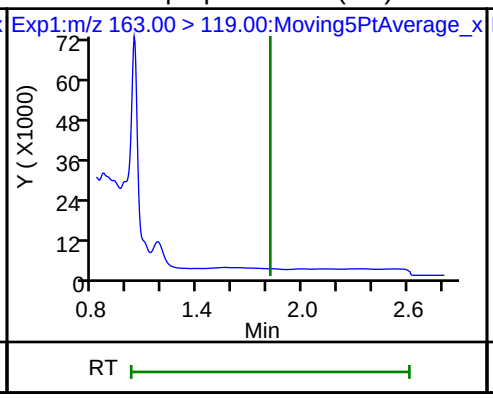
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 29347_1633Final Limit Group: LC - 1633 LVI- ICAL

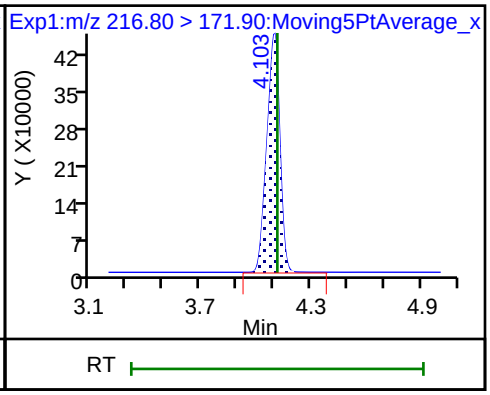
D 1 13C3PFPrA



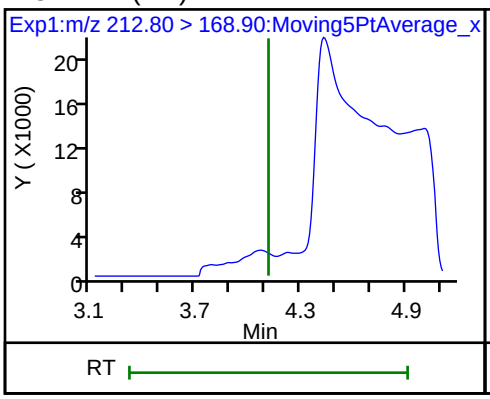
2 Perfluoropropionic acid (ND)



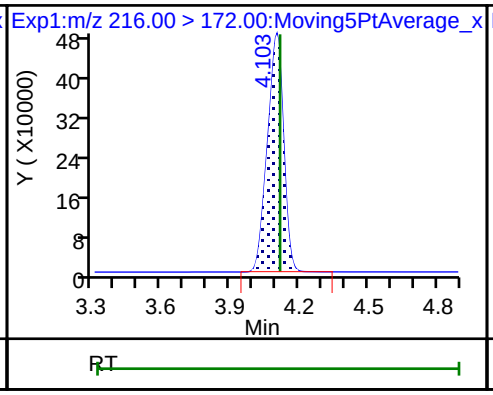
D 4 13C4-PFBA



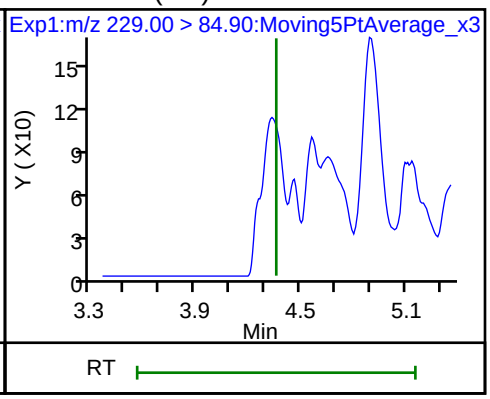
3 PFBA (ND)



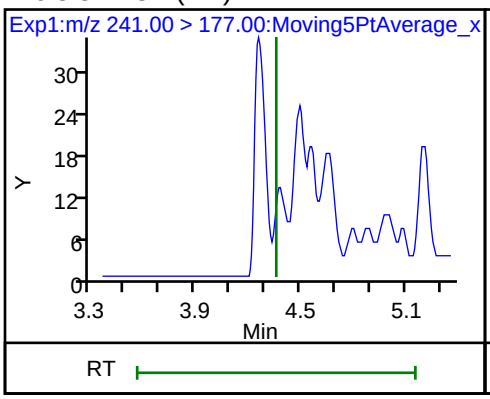
* 5 13C3PFBA



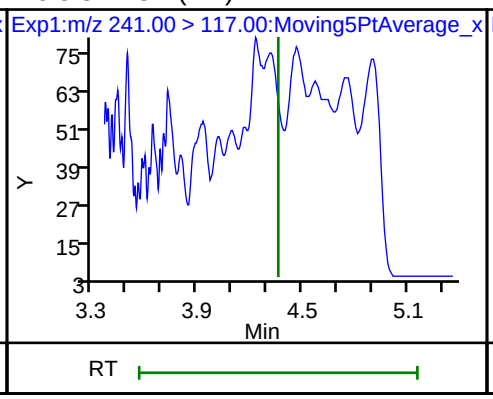
7 PFMPA (ND)



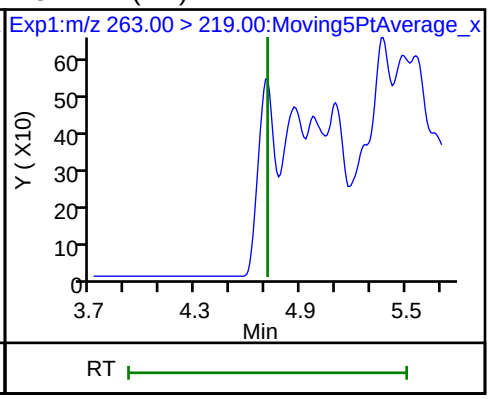
6 3:3 FTCA (ND)



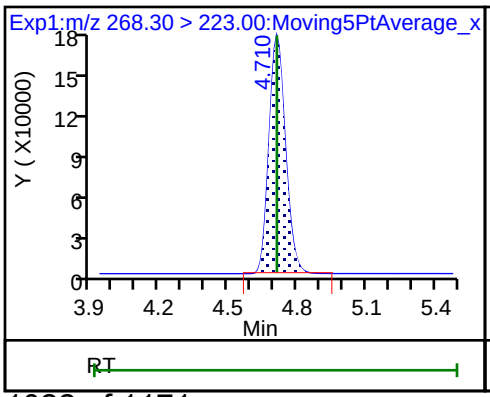
6 3:3 FTCA (ND)



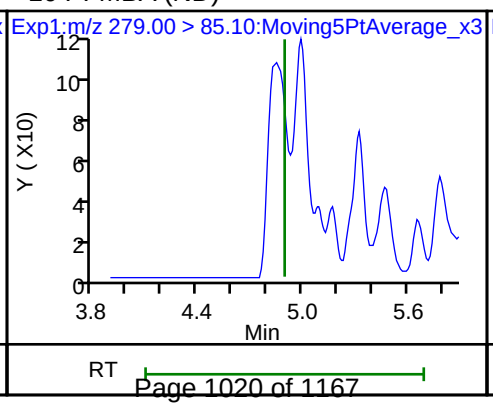
8 PFPA (ND)



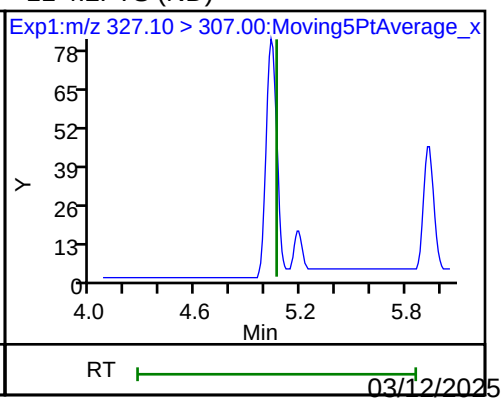
D 9 13C5 PFPeA



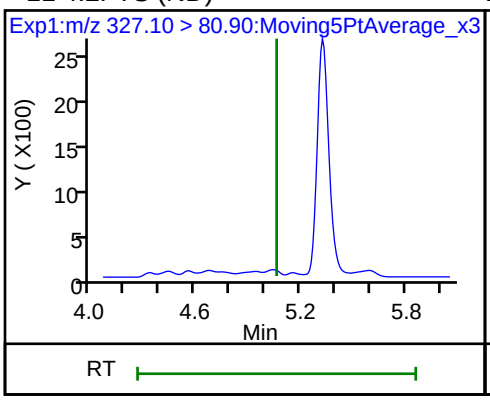
10 PFMBA (ND)



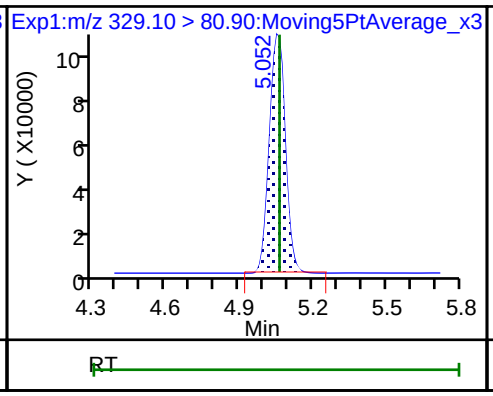
11 4:2FTS (ND)



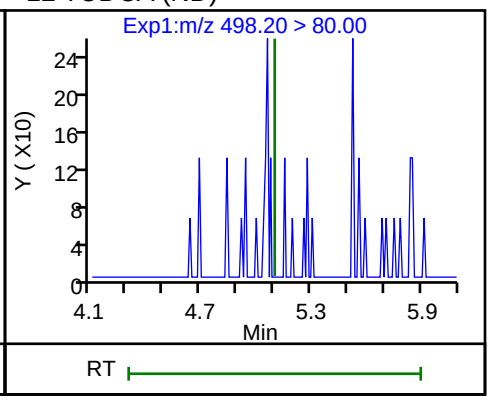
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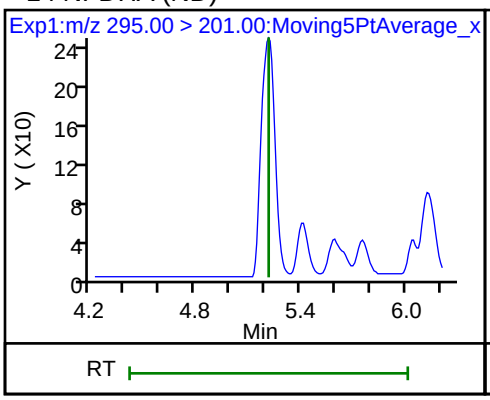
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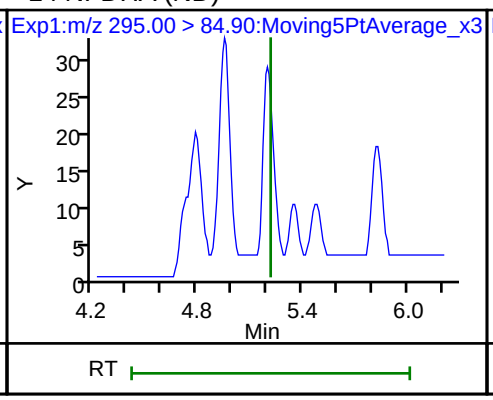
12 TUDCA (ND)



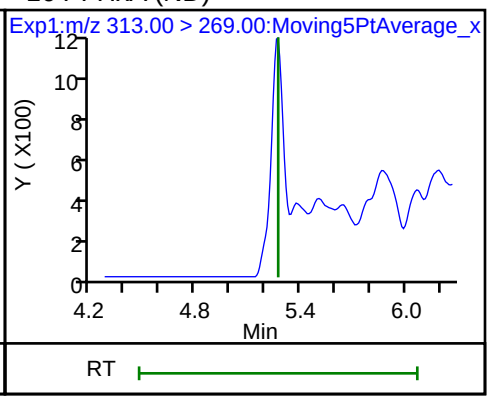
14 NFDHA (ND)



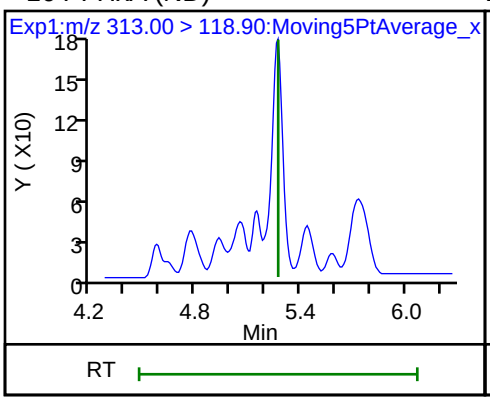
14 NFDHA (ND)



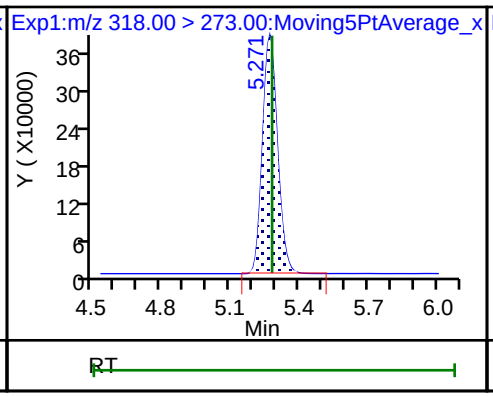
16 PFHxA (ND)



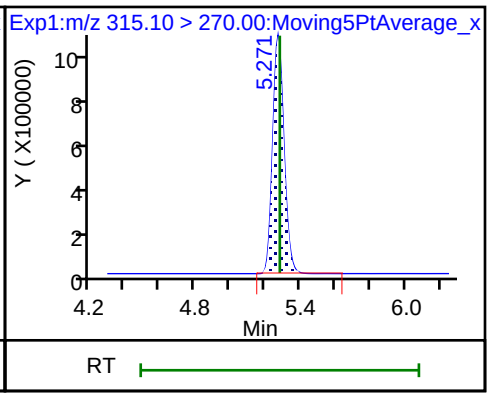
16 PFHxA (ND)



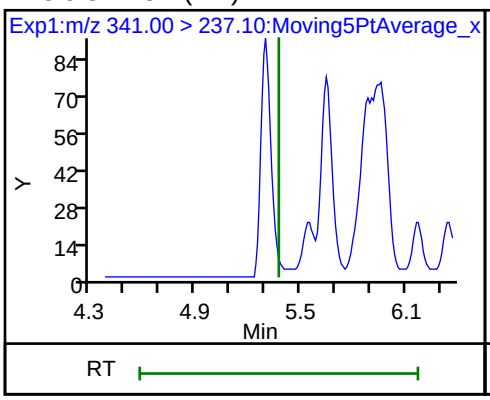
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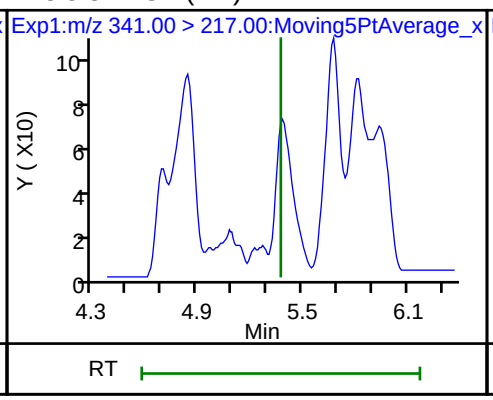
* 15 13C2 PFHxA



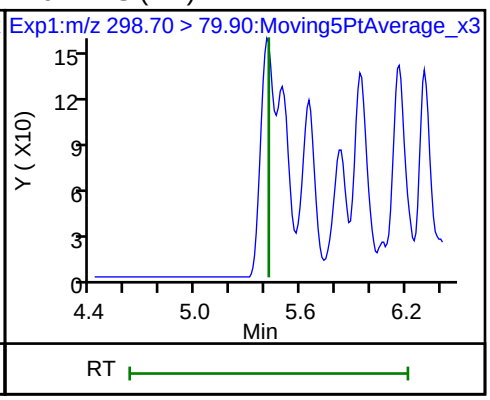
18 5:3 FTCA (ND)



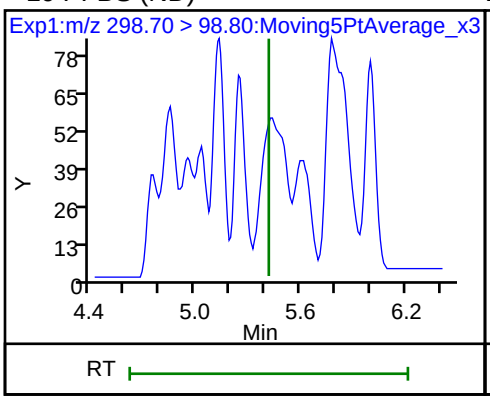
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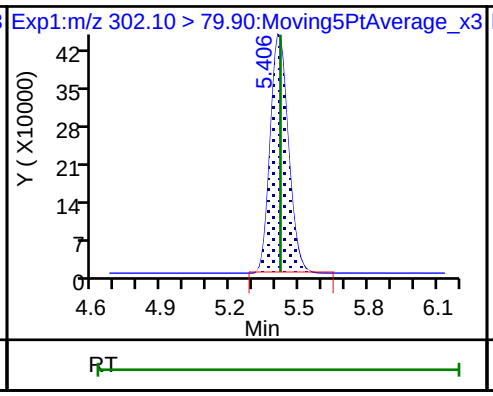
19 PFBS (ND)



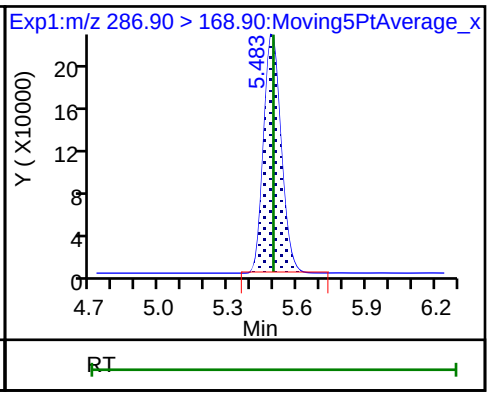
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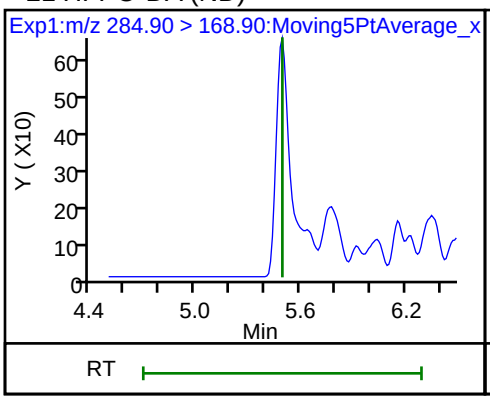
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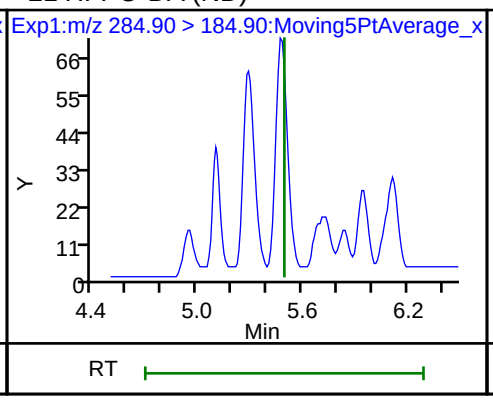
D 22 13C3 HFPO-DA



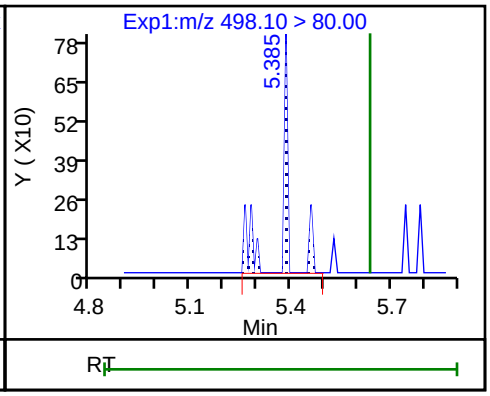
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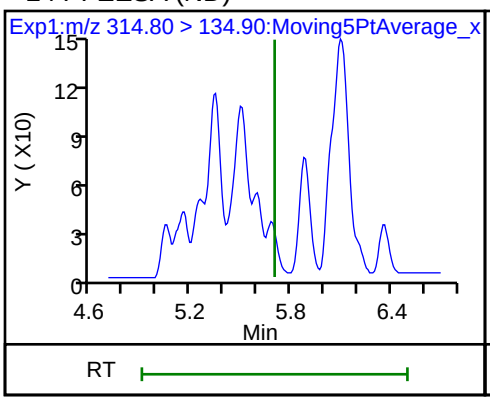
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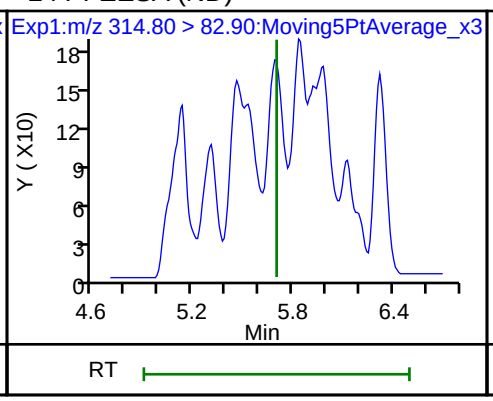
23 TCDCA



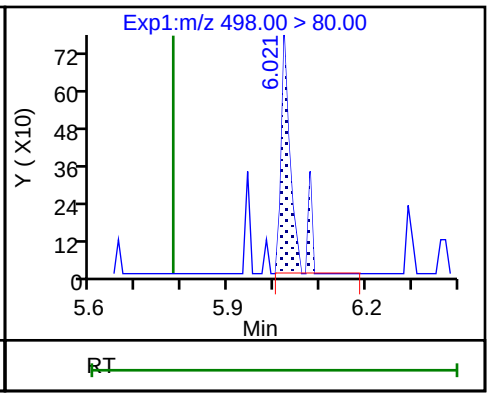
24 PFEESA (ND)



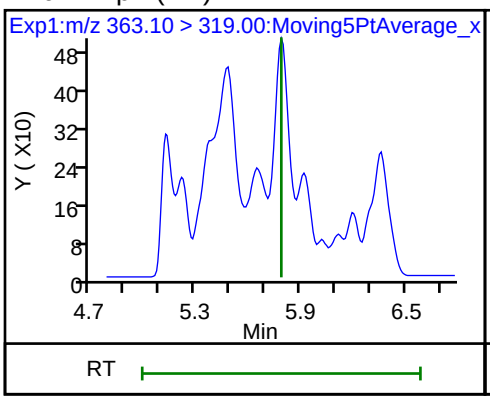
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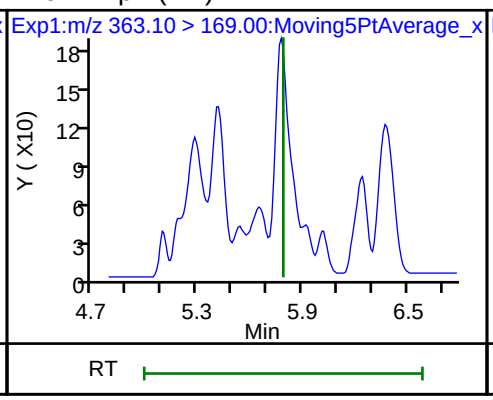
25 TDCA



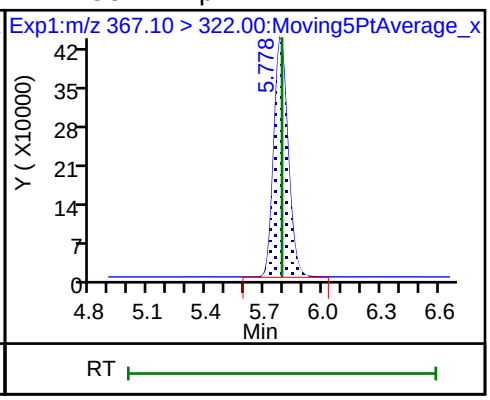
26 PFHpA (ND)



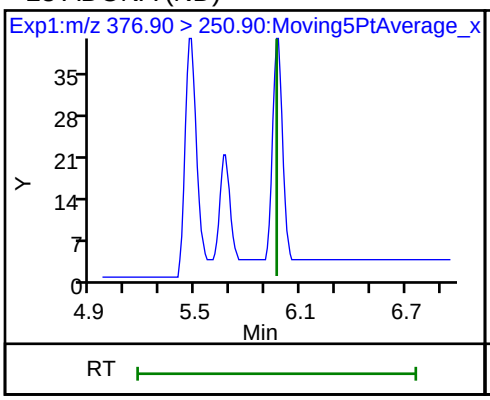
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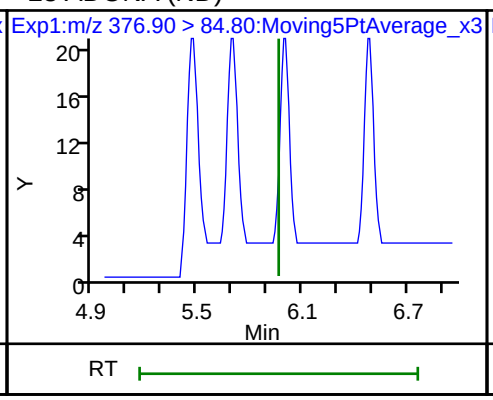
D 27 13C4 PFHpA



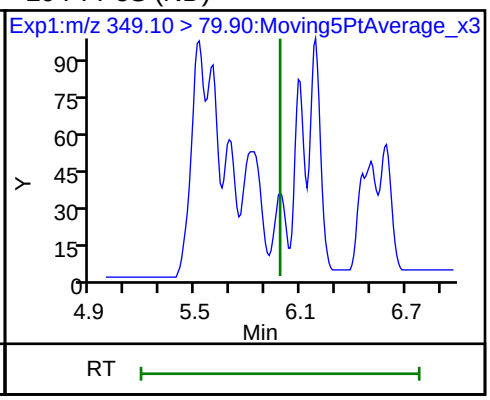
28 ADONA (ND)



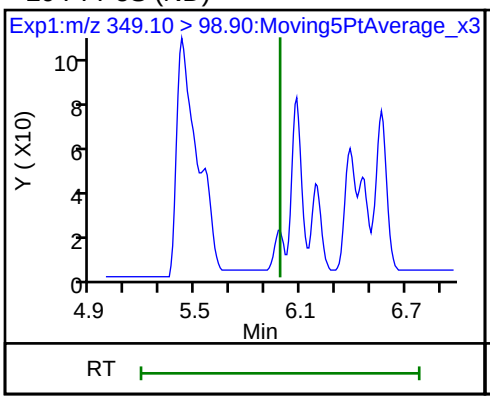
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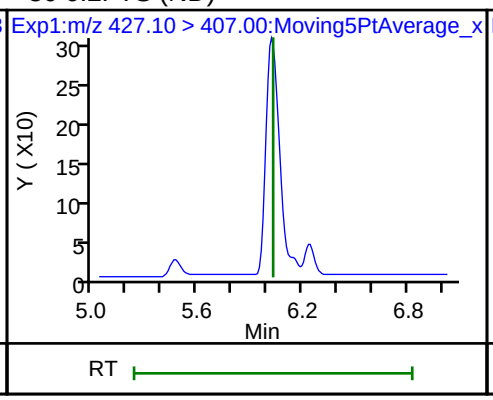
29 PFPeS (ND)



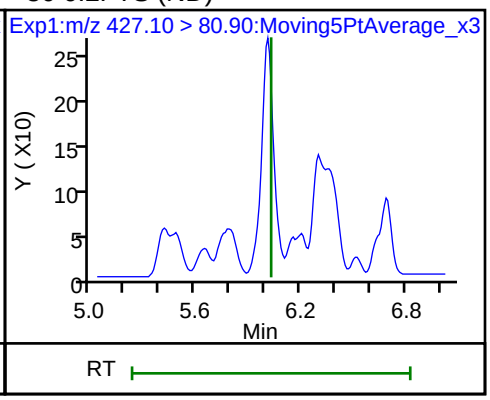
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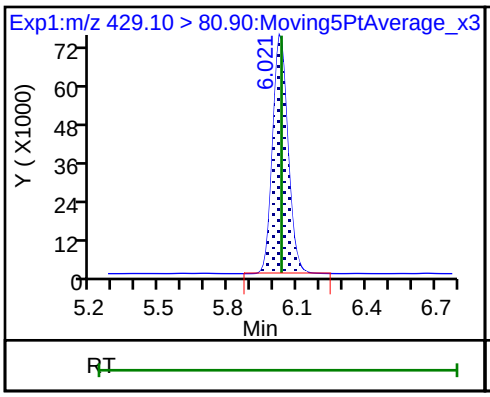
30 6:2FTS (ND)



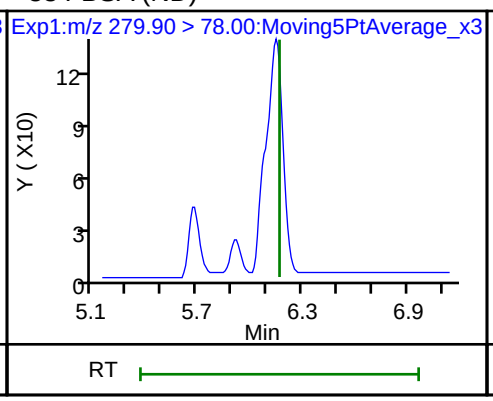
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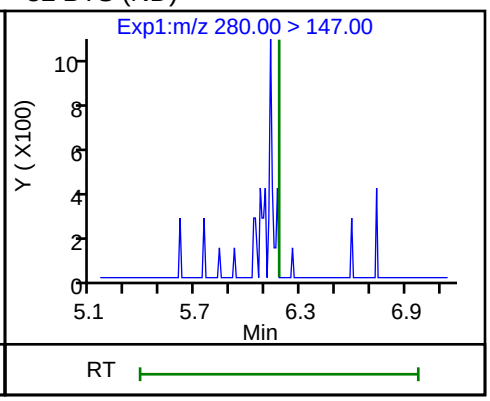
D 31 13C2-6:2FTS



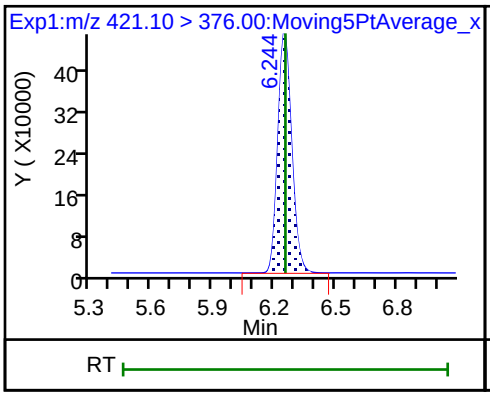
33 FBSA (ND)



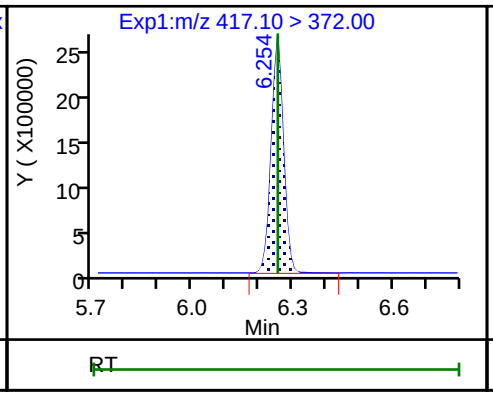
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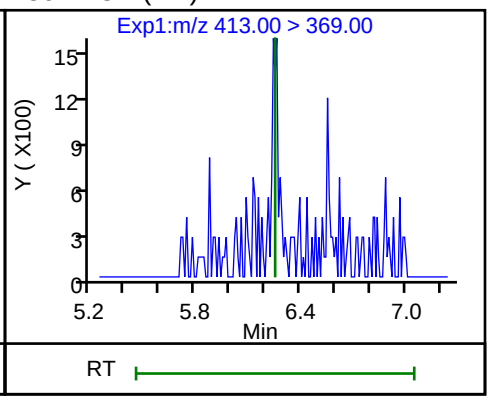
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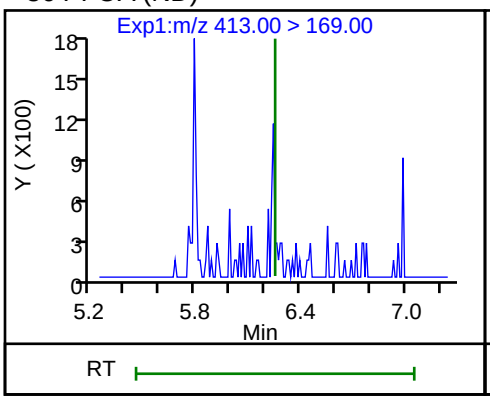
* 35 13C4 PFOA



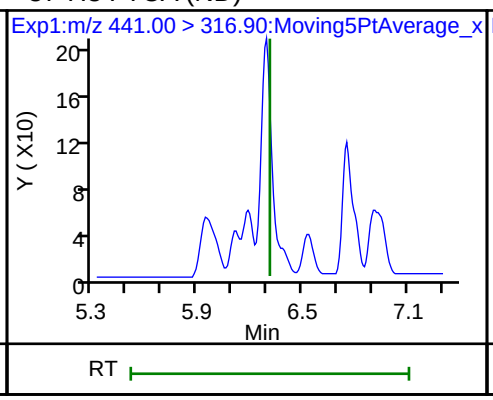
36 PFOA (ND)



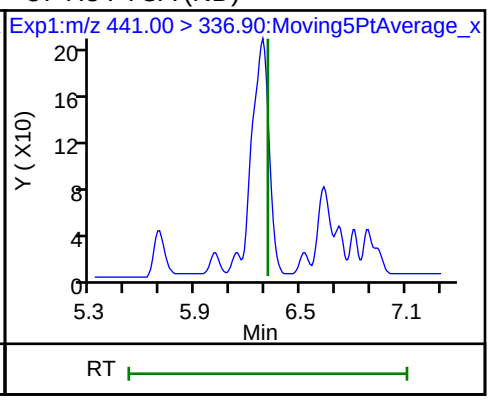
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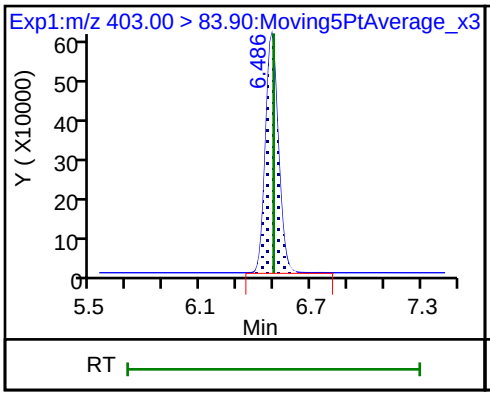
37 7:3 FTCA (ND)



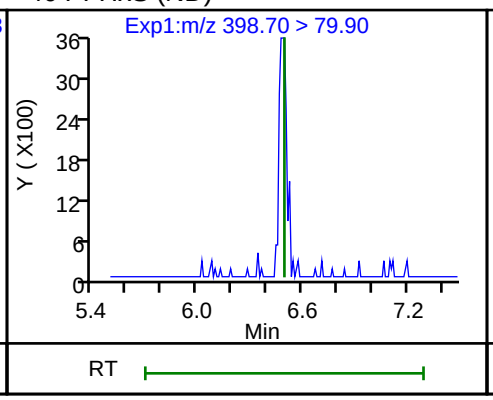
37 7:3 FTCA (ND)



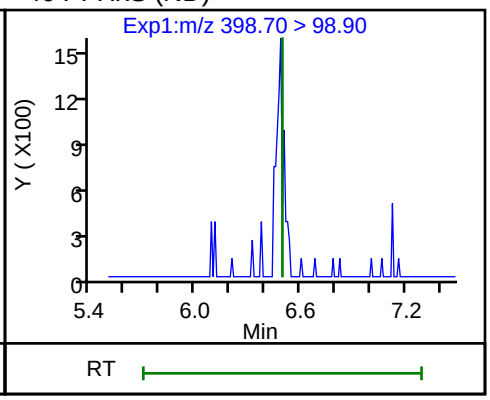
* 38 18O2 PFHxS



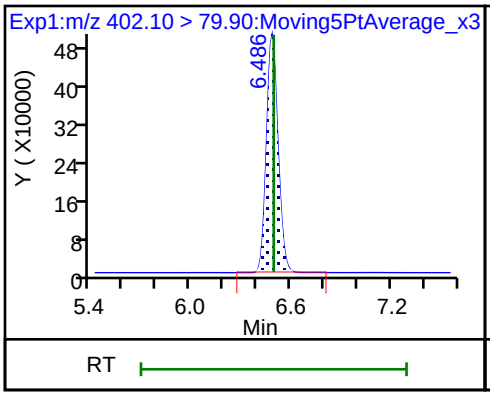
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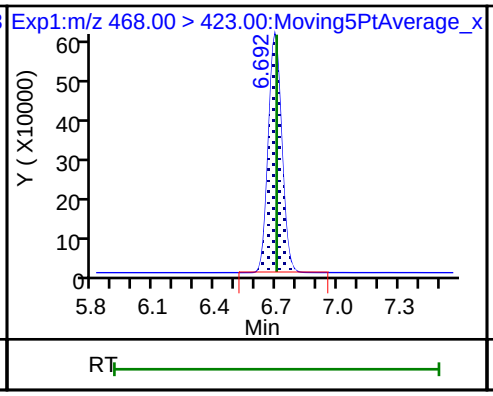
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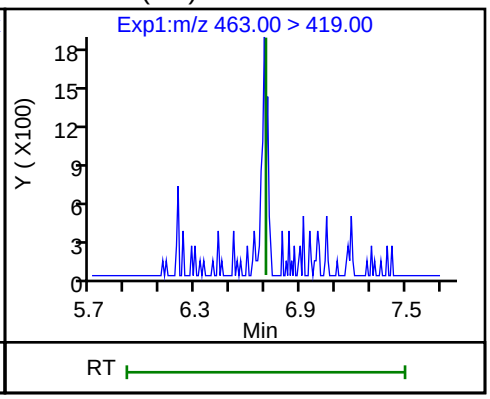
D 39 13C3 PFHxS



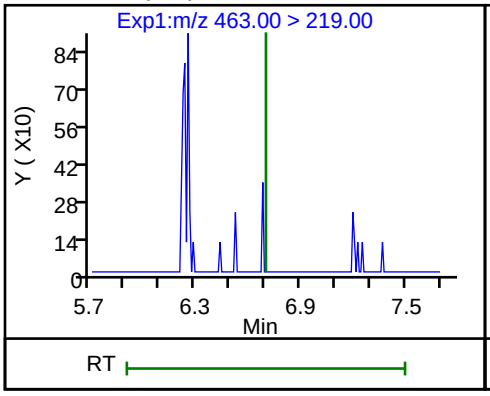
* 43 13C5 PFNA



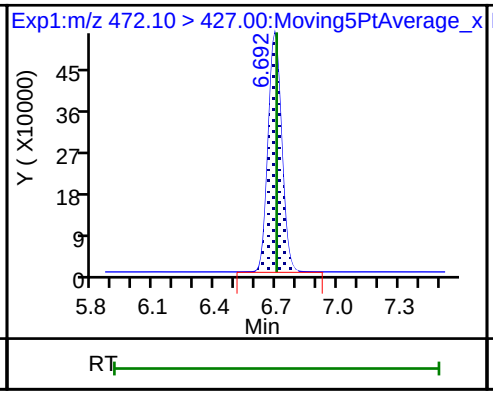
42 PFNA (ND)



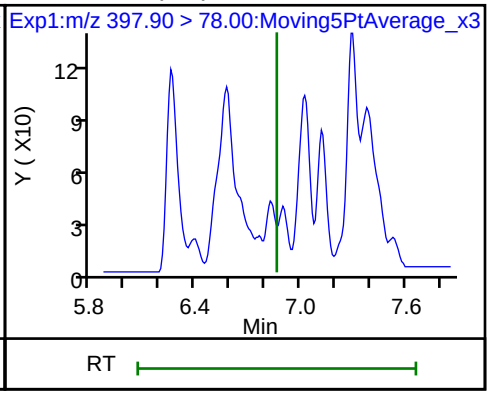
42 PFNA (ND)



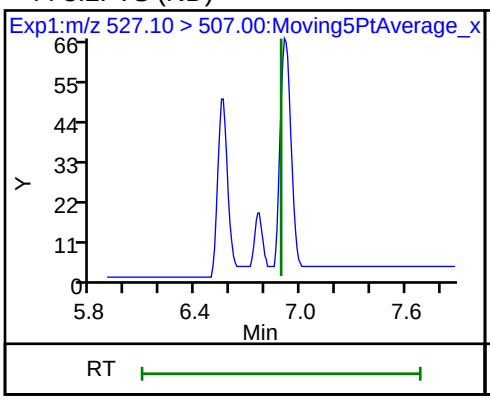
D 41 13C9 PFNA



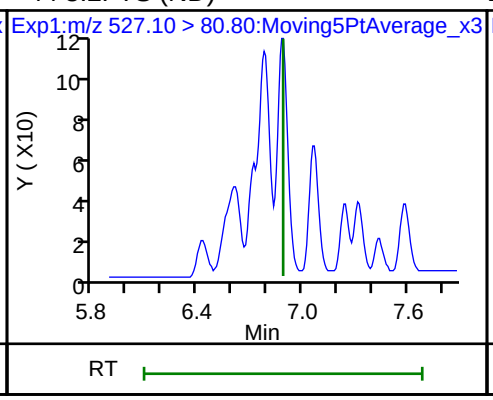
48 FHxSA (ND)



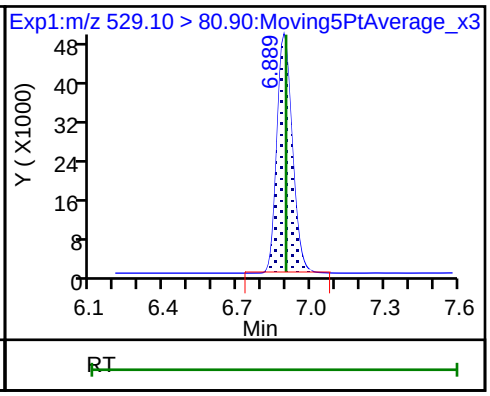
44 8:2FTS (ND)



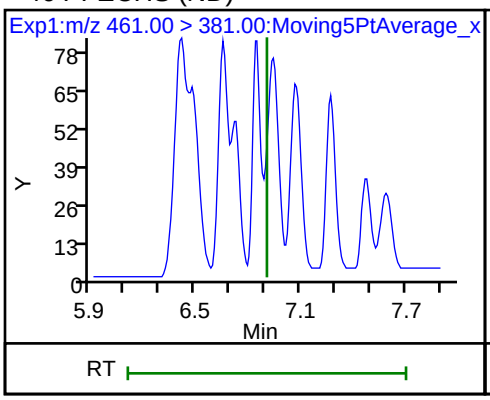
44 8:2FTS (ND)



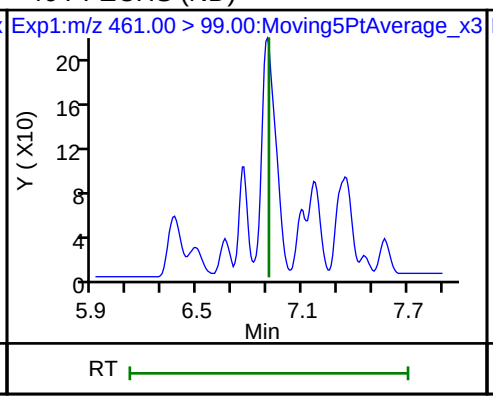
D 45 13C2-8:2FTS



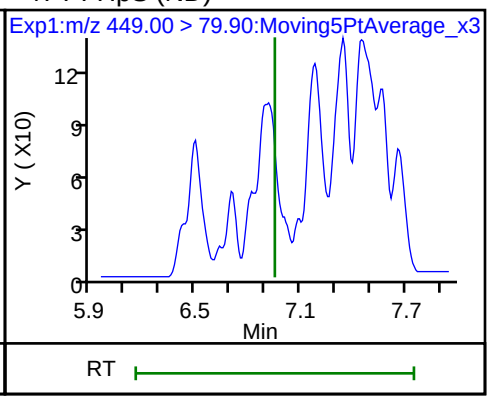
46 PFECHS (ND)



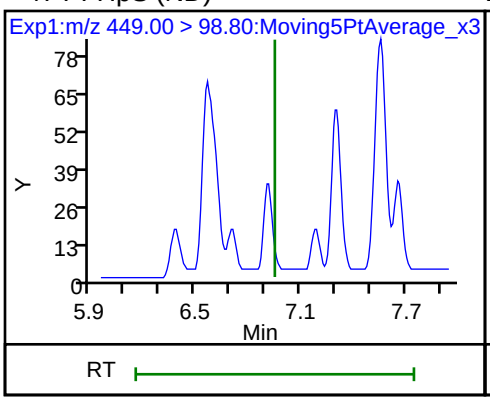
46 PFECHS (ND)



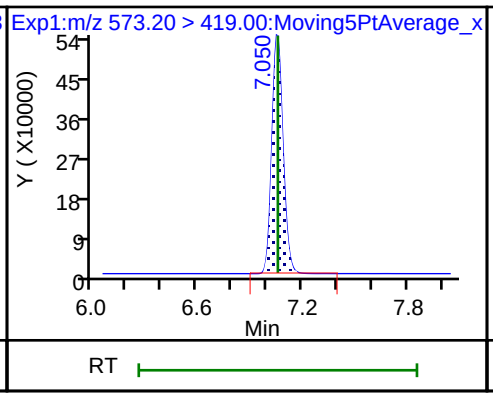
47 PFHpS (ND)



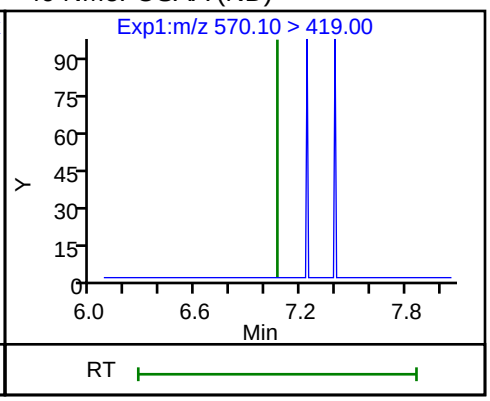
47 PFHpS (ND)



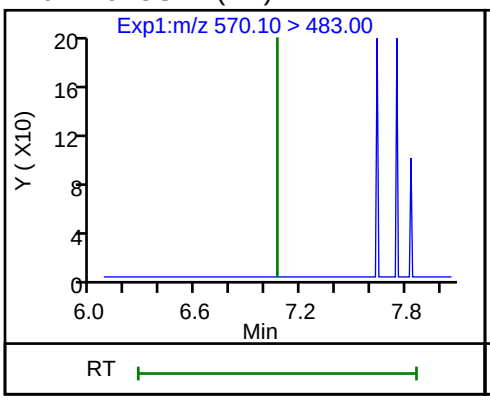
D 50 d3-NMeFOSAA



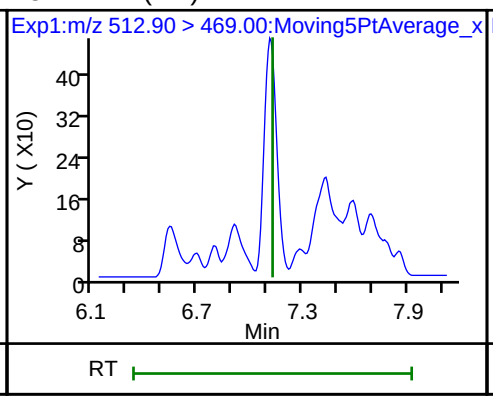
49 NMeFOSAA (ND)



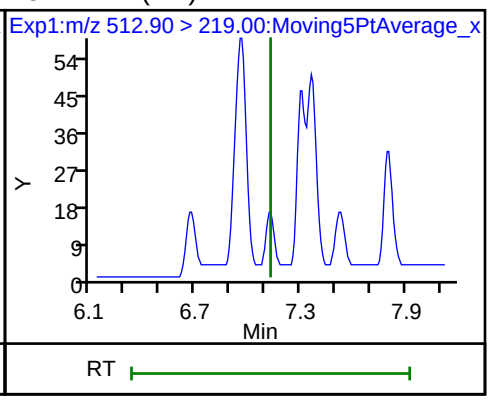
49 NMeFOSAA (ND)



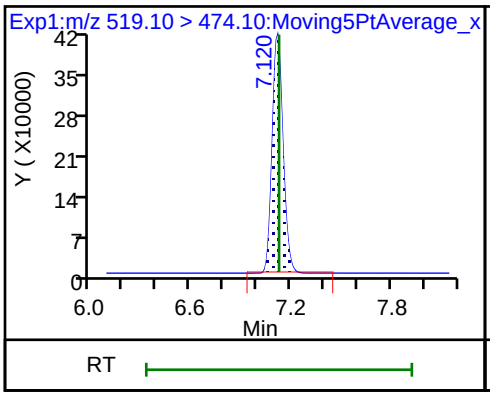
51 PFDA (ND)



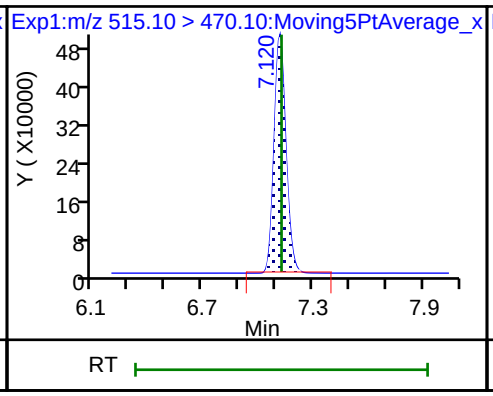
51 PFDA (ND)



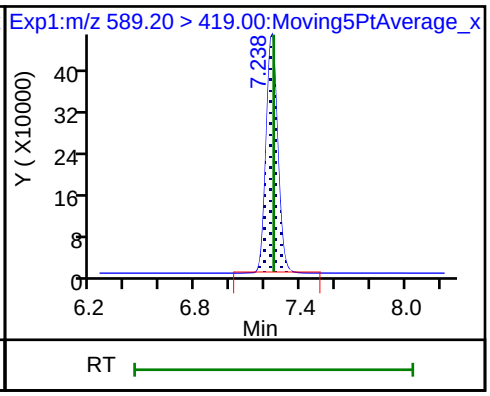
D 53 13C6 PFDA



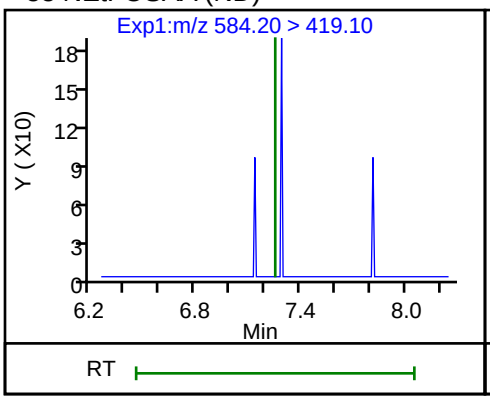
* 52 13C2 PFDA



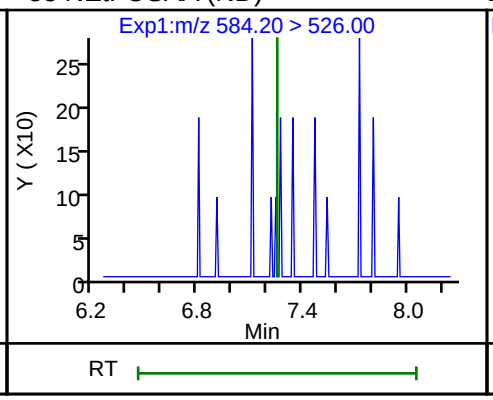
D 54 d5-NEtFOSAA



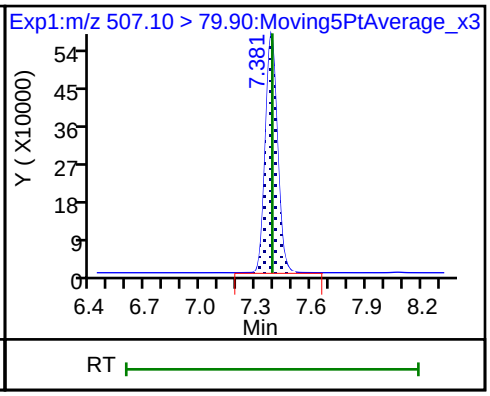
55 NEtFOSAA (ND)



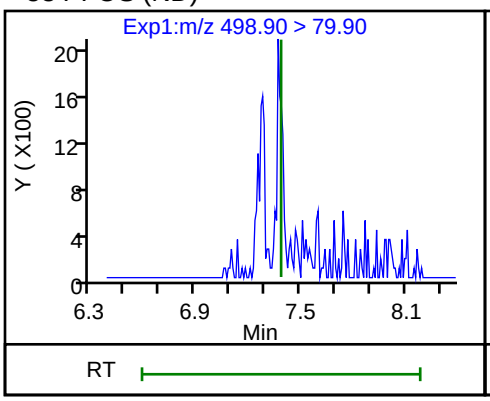
55 NEtFOSAA (ND)



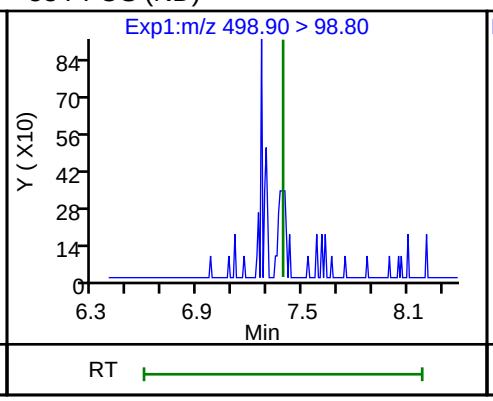
D 56 13C8 PFOS



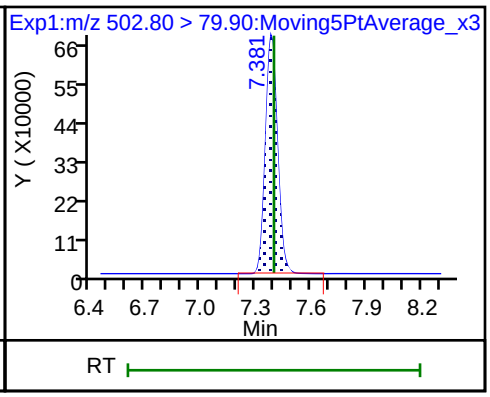
58 PFOS (ND)



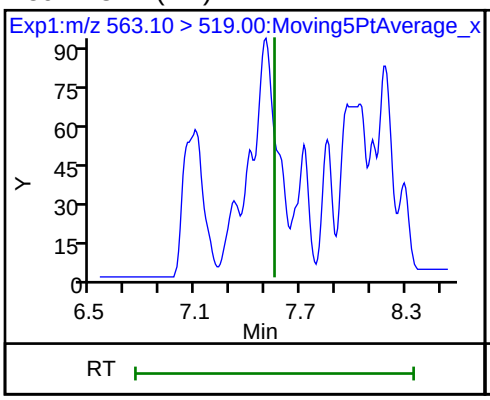
58 PFOS (ND)



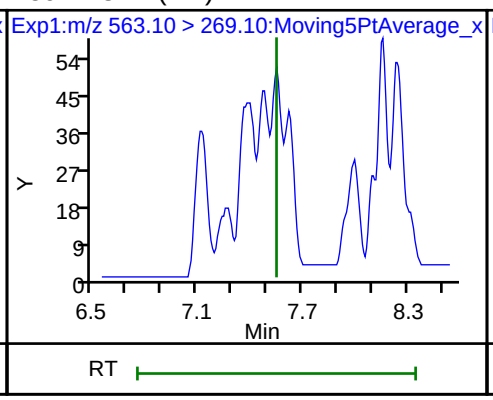
* 57 13C4 PFOS



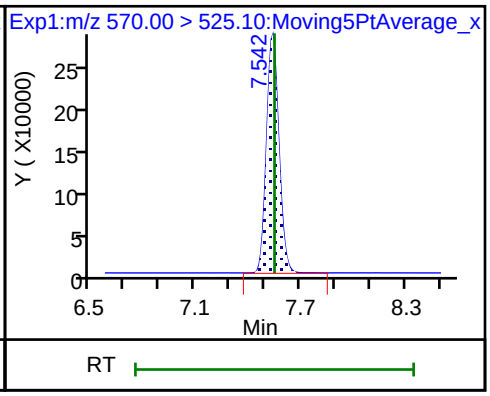
59 PFUnA (ND)



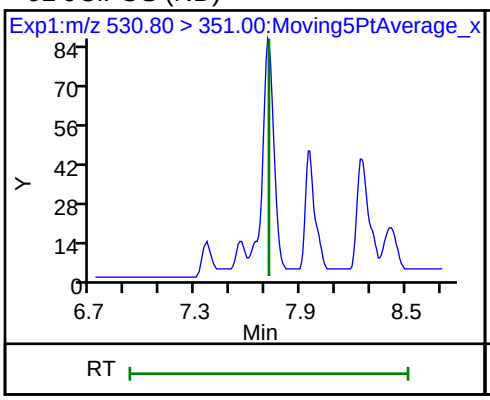
59 PFUnA (ND)



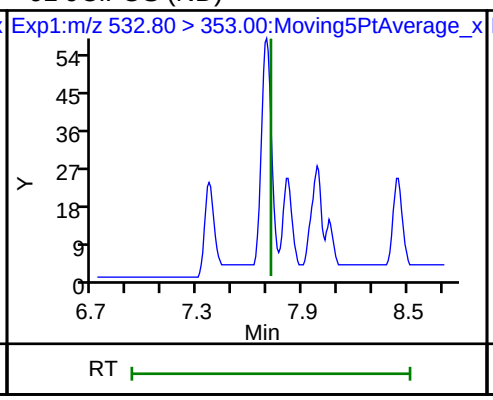
D 60 13C7 PFUnA



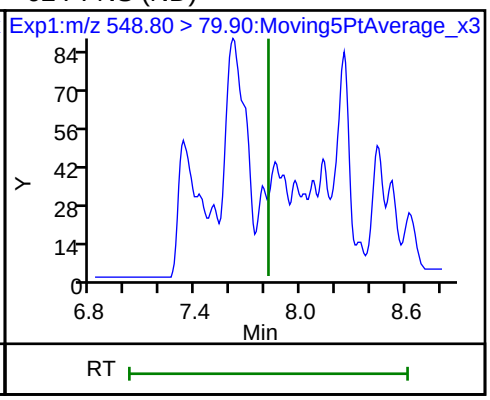
61 9ClFOS (ND)



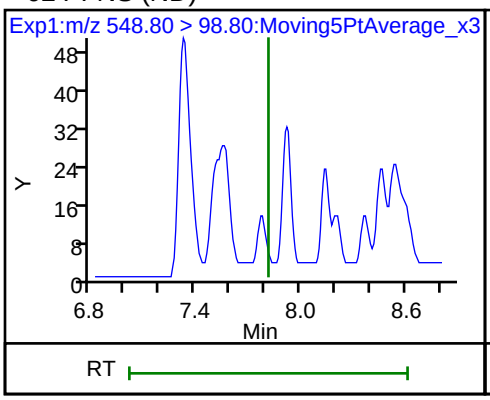
61 9ClFOS (ND)



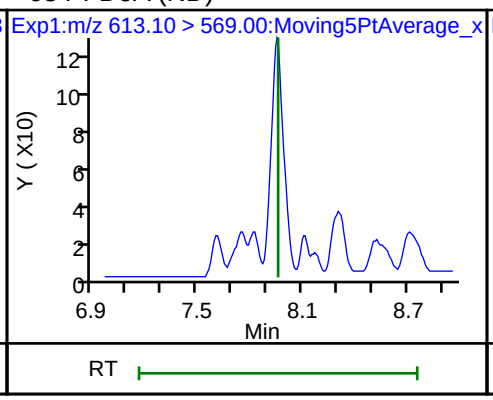
62 PFNS (ND)



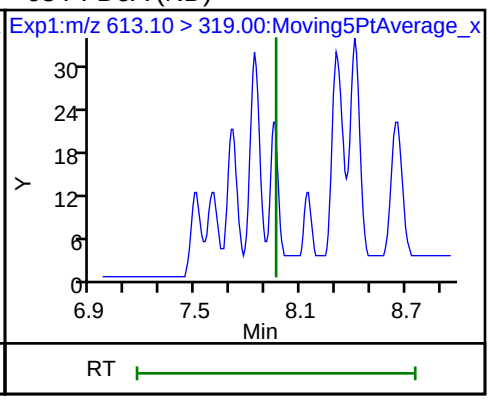
62 PFNS (ND)



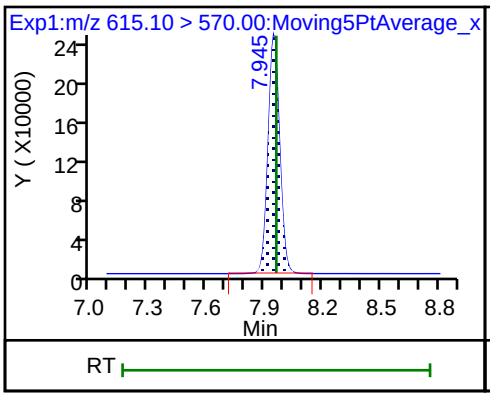
63 PFDoA (ND)



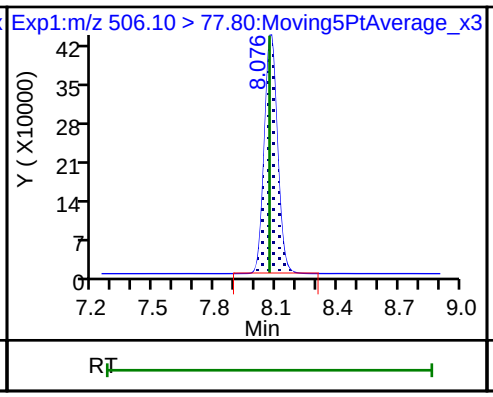
63 PFDoA (ND)



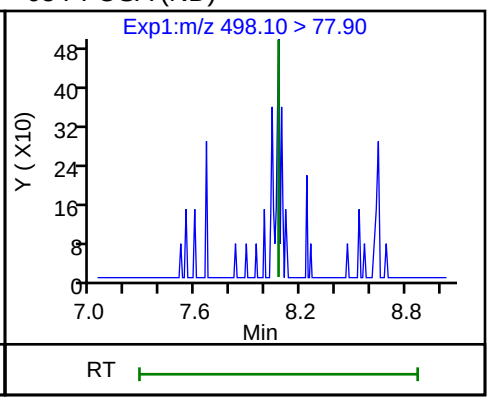
D 64 PFDoA



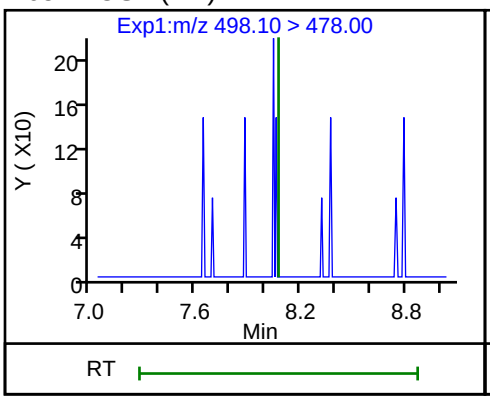
D 66 13C8 FOSA



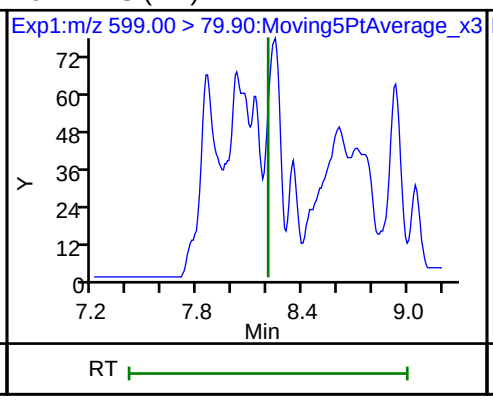
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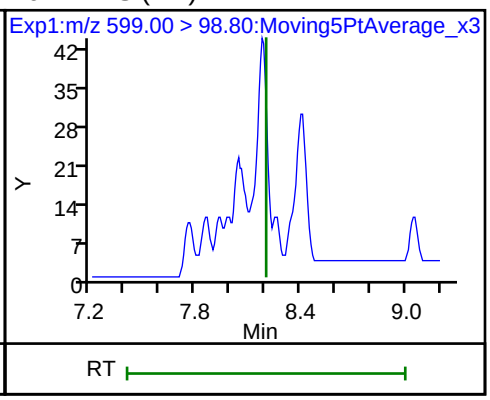
65 PFOSA (ND)



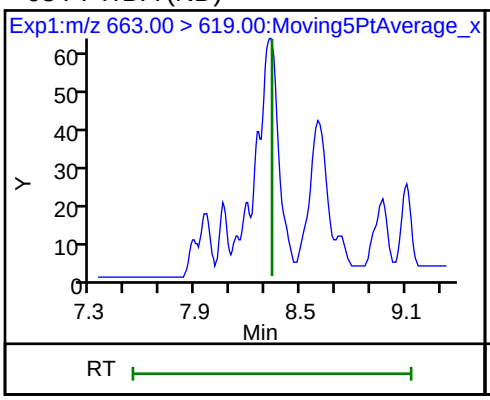
67 PFDS (ND)



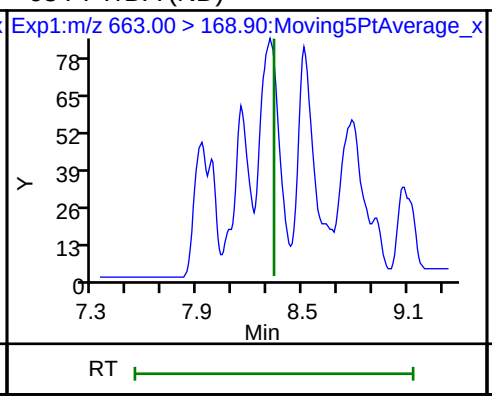
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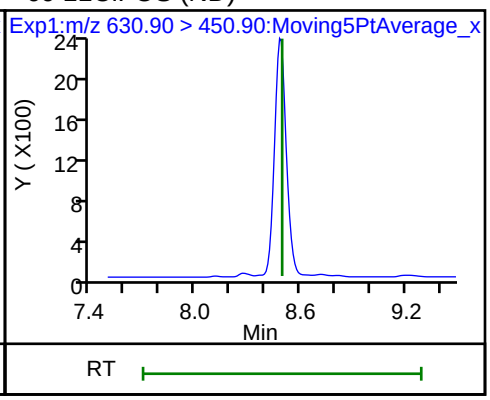
68 PFTrDA (ND)



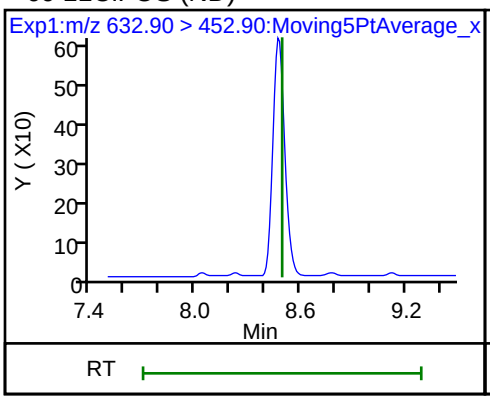
68 PFTrDA (ND)



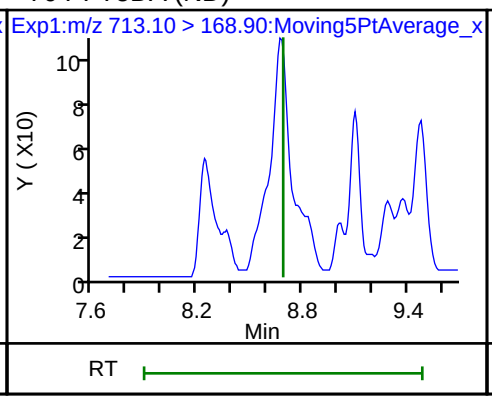
69 11ClFOS (ND)



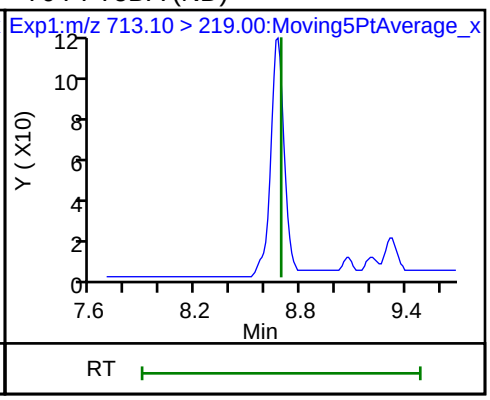
69 11ClFOS (ND)



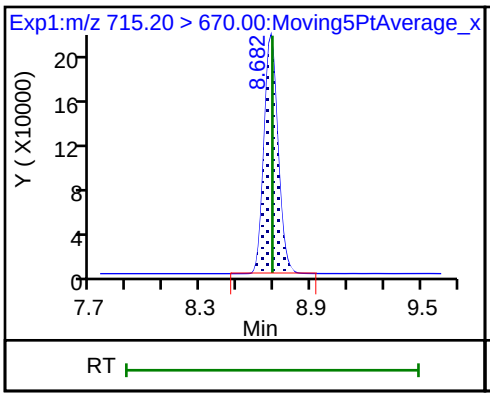
70 PFTeDA (ND)



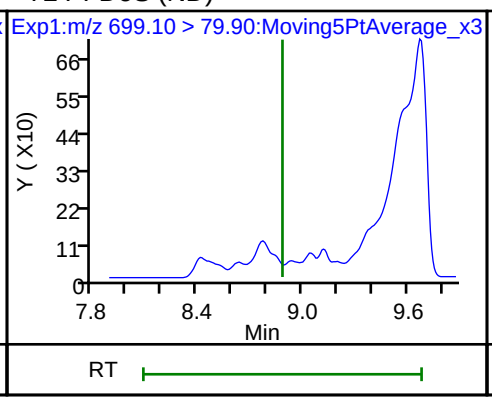
70 PFTeDA (ND)



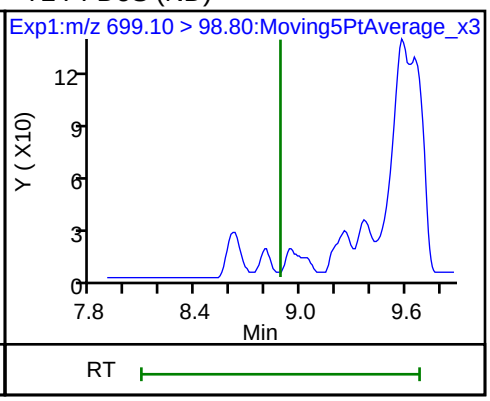
D 71 13C2 PFTeDA



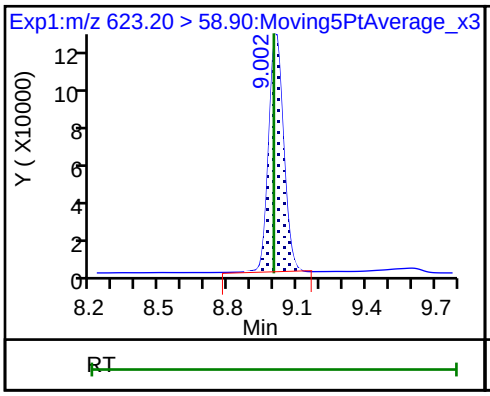
72 PFDoS (ND)



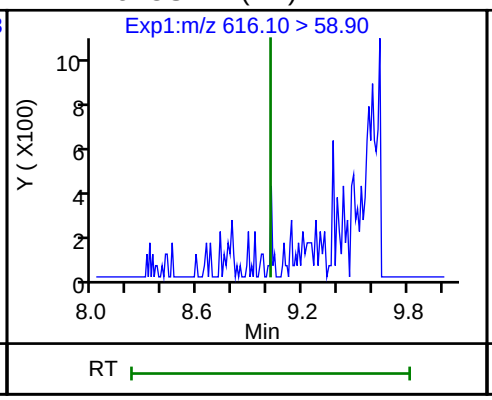
72 PFDoS (ND)



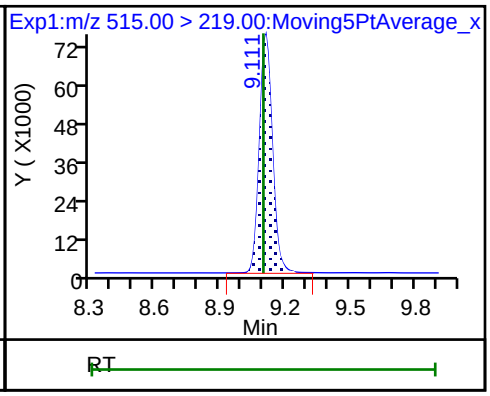
D 73 d7-N-Me-FOSE



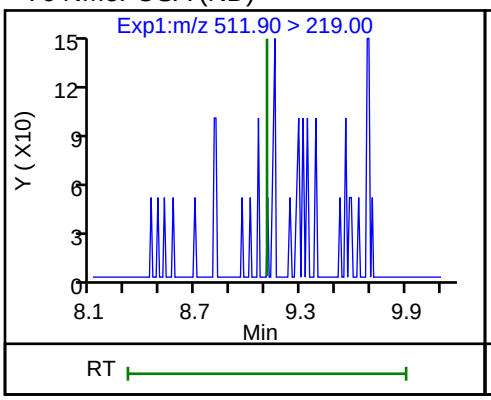
74 N-MeFOSE-M (ND)



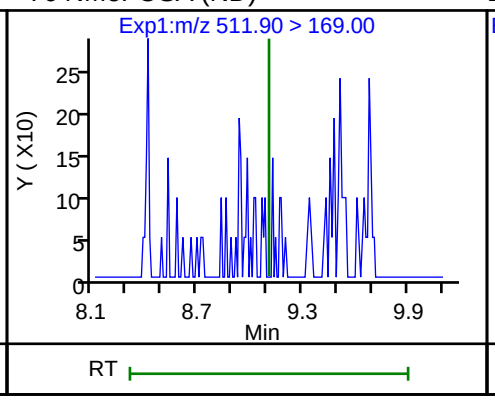
D 75 d3-NMePFOSA



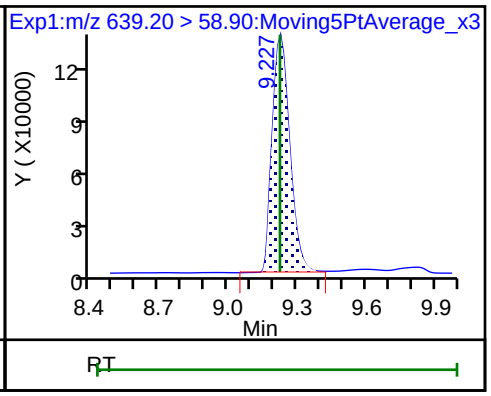
76 NMeFOSA (ND)



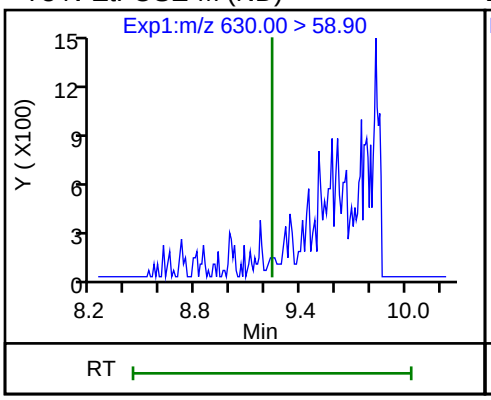
76 NMeFOSA (ND)



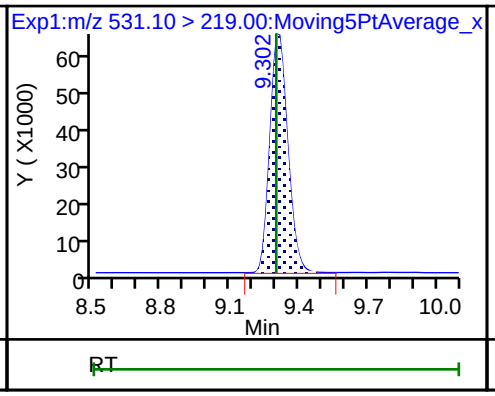
D 77 d9-N-EtFOSE



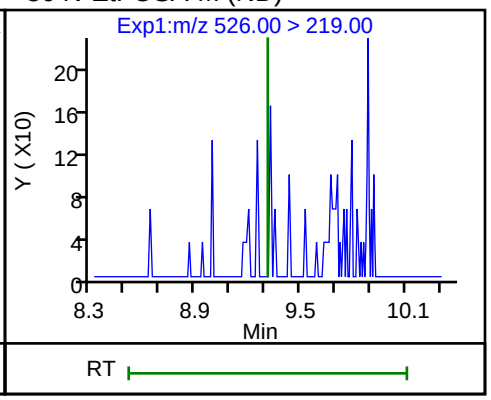
78 N-EtFOSE-M (ND)



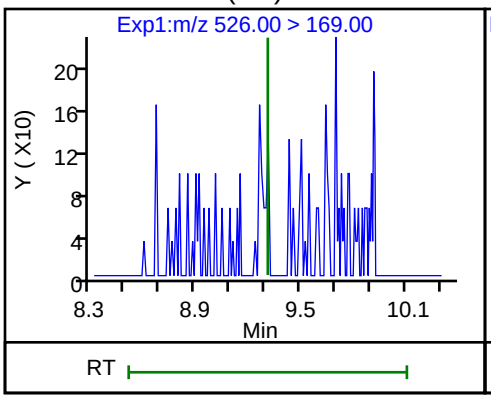
D 79 d5-NEtPFOSA



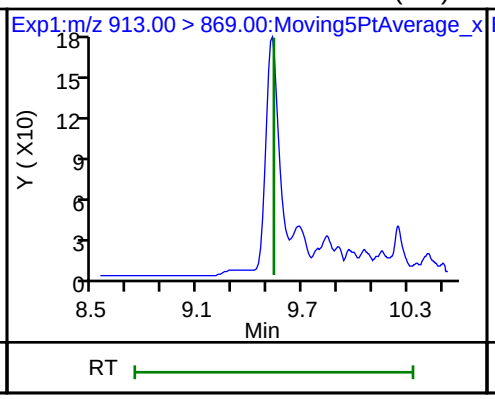
80 N-EtFOSA-M (ND)



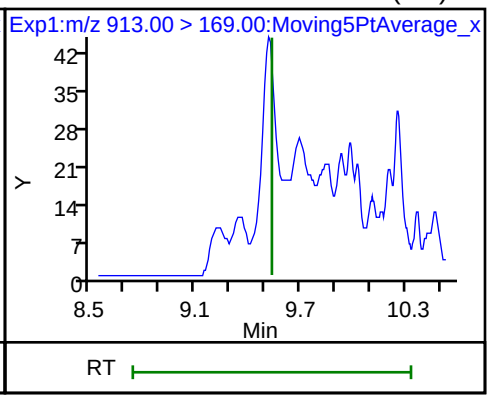
80 N-EtFOSA-M (ND)



81 Perfluorooctadecanoic acid (ND)



81 Perfluorooctadecanoic acid (ND)



FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-613587/1-A

Matrix: Water
Lab File ID: 25MAR06-38.d

Analysis Method: 1633
Date Collected:

Extraction Method: 1633
Date Extracted: 03/06/2025 08:30

Sample wt/vol: 125(mL)
Date Analyzed: 03/07/2025 02:27

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613851
Units: ng/L

Preparation Batch No.: 613587
Instrument ID: 30729

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	ND		4.0	1.1
2706-90-3	Perfluoropentanoic acid	ND		2.0	0.60
307-24-4	Perfluorohexanoic acid	ND		2.0	0.50
375-85-9	Perfluoroheptanoic acid	ND		2.0	0.80
335-67-1	Perfluorooctanoic acid	ND		2.0	0.90
375-95-1	Perfluorononanoic acid	ND		2.0	0.50
335-76-2	Perfluorodecanoic acid	ND		2.0	0.50
2058-94-8	Perfluoroundecanoic acid	ND		2.0	0.50
307-55-1	Perfluorododecanoic acid	ND		2.0	0.50
72629-94-8	Perfluorotridecanoic acid	ND		2.0	0.50
376-06-7	Perfluorotetradecanoic acid	ND		2.0	0.50
375-73-5	Perfluorobutanesulfonic acid	ND		2.0	0.50
2706-91-4	Perfluoropentanesulfonic acid	ND		2.0	0.50
355-46-4	Perfluorohexanesulfonic acid	ND		2.0	0.80
375-92-8	Perfluoroheptanesulfonic acid	ND		2.0	0.50
1763-23-1	Perfluorooctanesulfonic acid	ND		2.0	0.50
68259-12-1	Perfluorononanesulfonic acid	ND		2.0	0.50
335-77-3	Perfluorodecanesulfonic acid	ND		2.0	0.50
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.60
757124-72-4	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		4.0	1.0
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.0	1.0
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		4.0	1.0
754-91-6	Perfluorooctanesulfonamide	ND		2.0	0.50
31506-32-8	NMeFOSA	ND		2.0	0.50
4151-50-2	N-ethylperfluoro-1-octanesulfonamide	ND		2.0	0.50
2355-31-9	NMeFOSAA	ND		2.0	0.50
2991-50-6	NEtFOSAA	ND		2.0	0.50

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-613587/1-A

Matrix: Water
Lab File ID: 25MAR06-38.d

Analysis Method: 1633
Date Collected:

Extraction Method: 1633
Date Extracted: 03/06/2025 08:30

Sample wt/vol: 125(mL)
Date Analyzed: 03/07/2025 02:27

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613851
Units: ng/L

Preparation Batch No.: 613587
Instrument ID: 30729

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
24448-09-7	2-(N-methylperfluoro-1-octanesulfonamido) ethanol	ND		10	2.5
1691-99-2	2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	ND		10	2.5
13252-13-6	HFPO-DA	ND		2.0	0.75
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.50
377-73-1	Perfluoro-3-methoxypropanoic acid	ND		2.0	0.50
863090-89-5	Perfluoro(4-methoxybutanoic acid)	ND		2.0	0.50
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid	ND		2.0	0.50
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND		2.0	0.50
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		2.0	0.50
113507-82-7	PFEESA	ND		2.0	0.50
356-02-5	3:3 FTCA	ND		4.0	1.0
914637-49-3	5:3 FTCA	ND		10	2.8
812-70-4	7:3 FTCA	ND		10	2.5

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-613587/1-A

Matrix: Water
Lab File ID: 25MAR06-38.d

Analysis Method: 1633
Date Collected:

Extraction Method: 1633
Date Extracted: 03/06/2025 08:30

Sample wt/vol: 125(mL)
Date Analyzed: 03/07/2025 02:27

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613851
Units: ng/L

Preparation Batch No.: 613587
Instrument ID: 30729

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	83.5		5-130
STL01893	13C5 PFPeA	77.6		40-130
STL02577	13C5 PFHxA	82.5		40-130
STL01892	13C4 PFHpA	79.3		40-130
STL01052	13C8 PFOA	92.0		40-130
STL02578	13C9 PFNA	105		40-130
STL02579	13C6 PFDA	80.5		40-130
STL02580	13C7 PFUnA	126		30-130
STL02116	13C2 PFTeDA	78.5		10-130
STL02337	13C3 PFBS	87.2		40-135
STL02581	13C3 PFHxS	84.0		40-130
STL01054	13C8 PFOS	89.4		40-130
STL01056	13C8 FOSA	82.7		40-130
STL02118	d3-NMeFOSAA	80.8		40-170
STL02117	d5-NEtFOSAA	76.9		25-135
STL02395	M2-4:2 FTS	82.9		40-200
STL02279	M2-6:2 FTS	88.3		40-200
STL02280	M2-8:2 FTS	81.4		40-300
STL02255	13C3 HFPO-DA	87.5		40-130
STL02277	d7-N-MeFOSE-M	65.5		10-130
STL02278	d9-N-EtFOSE-M	64.7		10-130
STL02704	d5-NEtPFOSA	42.1		10-130
STL02705	d3-NMePFOSA	42.5		10-130
STL00998	13C2 PFDoA	107		10-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR06-38.d
Lims ID: MB 410-613587/1-A
Client ID:
Sample Type: MB
Inject. Date: 07-Mar-2025 02:27:50 ALS Bottle#: 30 Worklist Smp#: 34
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-613587/1-A
Misc. Info.: Plate: 1 Rack: 1 410-0140106-034
Operator ID: ETUS023_USR_INS00054 Instrument ID: 30729

Method: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\30729_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 10-Mar-2025 15:13:58 Calib Date: 03-Mar-2025 20:03:32
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-08.d

Column 1 : Det: EXP1
Process Host: CTX1629
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 2 13C3PFPrA										
166.00 > 121.00	1.767	1.869	-0.102	0.400	461658	1.91		95.4	175	
D 3 13C4-PFBA										
216.80 > 171.90	4.422	4.450	-0.028	1.000	639223	1.67		83.5	20071	
* 4 13C3PFBA										
216.00 > 172.00	4.422	4.459	-0.037		866019	2.00			172	
D 9 13C5 PFPeA										
268.30 > 223.00	5.120	5.142	-0.022	0.906	483630	1.55		77.6	29868	
D 12 13C2-4:2FTS										
329.10 > 80.90	5.457	5.479	-0.022	0.807	280763	3.89		82.9	10370	
D 16 13C5 PFHxA										
318.00 > 273.00	5.653	5.676	-0.023	1.000	835891	1.65		82.5	50896	
* 17 13C2 PFHxA										
315.10 > 270.00	5.653	5.676	-0.023		2180634	5.00			99346	
D 19 13C3 PFBS										
302.10 > 79.90	5.792	5.818	-0.026	0.856	871480	1.62		87.2	43695	
D 23 13C3 HFPO-DA										
286.90 > 168.90	5.847	5.873	-0.026	1.034	866992	1.75		87.5	46781	
D 27 13C4 PFHpA										
367.10 > 322.00	6.098	6.135	-0.037	1.079	774973	1.59		79.3	43555	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.310	6.349	-0.039	0.933	299525	4.20		88.3	20084	
D 34 13C8 PFOA										
421.10 > 376.00	6.527	6.565	-0.038	1.000	893296	1.84		92.0	46004	
* 40 13C4 PFOA										
417.10 > 372.00	6.527	6.565	-0.038		2518530	5.00			102134	
* 38 18O2 PFHxS										
403.00 > 83.90	6.762	6.807	-0.045		825657	1.89			48728	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 37 13C3 PFHxS										
402.10 > 79.90	6.762	6.807	-0.045	1.000	680729	1.59		84.0	39922	
D 41 13C9 PFNA										
472.10 > 427.00	6.940	6.999	-0.059	1.000	744764	2.10		105	33578	
* 42 13C5 PFNA										
468.00 > 423.00	6.940	6.999	-0.059		723193	2.00			42963	
D 45 13C2-8:2FTS										
529.10 > 80.90	7.133	7.191	-0.058	1.055	298884	3.91		81.4	18006	
D 49 d3-NMeFOSAA										
573.20 > 419.00	7.291	7.357	-0.066	0.954	495870	4.04		80.8	27665	
* 51 13C2 PFDA										
515.10 > 470.10	7.359	7.426	-0.067		770921	2.00			40917	
D 52 13C6 PFDA										
519.10 > 474.10	7.359	7.426	-0.067	1.000	638531	1.61		80.5	34293	
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.484	7.536	-0.052	0.979	413420	3.84		76.9	21709	
* 57 13C4 PFOS										
502.80 > 79.90	7.641	7.714	-0.073		909745	1.91			38993	
D 56 13C8 PFOS										
507.10 > 79.90	7.641	7.714	-0.073	1.000	746162	1.71		89.6	25615	
D 59 13C7 PFUnA										
570.00 > 525.10	7.795	7.856	-0.061	1.059	792822	2.52		126	50238	
D 63 PFDoA										
615.10 > 570.00	8.177	8.254	-0.077	1.111	490348	2.13		107	29652	
D 66 13C8 FOSA										
506.10 > 77.80	8.367	8.382	-0.015	1.095	1194843	1.65		82.7	44204	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.868	8.955	-0.087	1.205	322678	1.57		78.5	16806	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.155	9.146	0.009	1.198	397227	3.28		65.5	6614	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.235	9.241	-0.006	1.209	190453	0.8505		42.5	8381	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.338	9.330	0.008	1.222	478436	3.24		64.7	6862	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.408	9.401	0.007	1.231	209362	0.8413		42.1	13876	

Reagents:

1633_125_IS_V_00235 Amount Added: 50.00 Units: uL

Report Date: 10-Mar-2025 15:14:33 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR06-38.d

Injection Date: 07-Mar-2025 02:27:50 Instrument ID: 30729

Lims ID: MB 410-613587/1-A

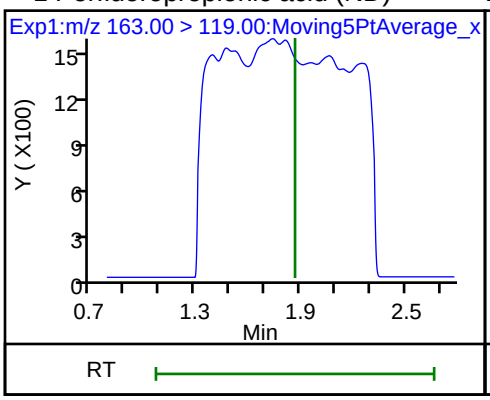
Client ID:

Operator ID: ETUS023_USR_INS00054 ALS Bottle#: 30 Worklist Smp#: 34

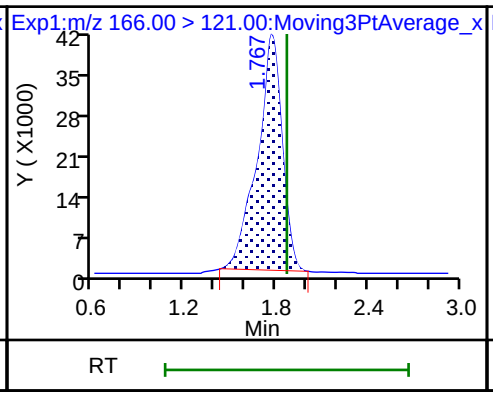
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 30729_1633Final Limit Group: LC - 1633 LVI- ICAL

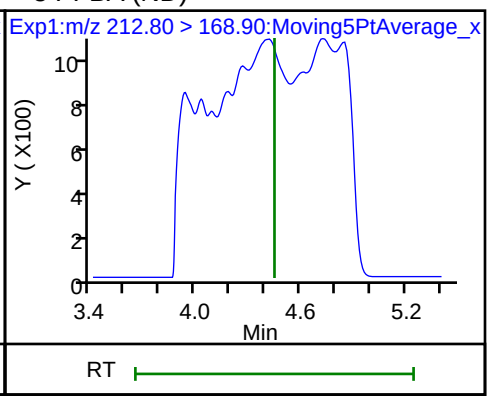
1 Perfluoropropionic acid (ND)



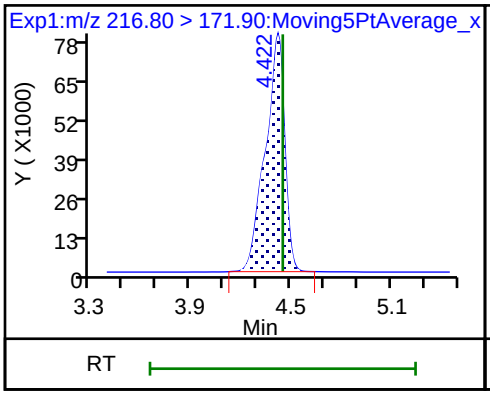
D 2 13C3PFPrA



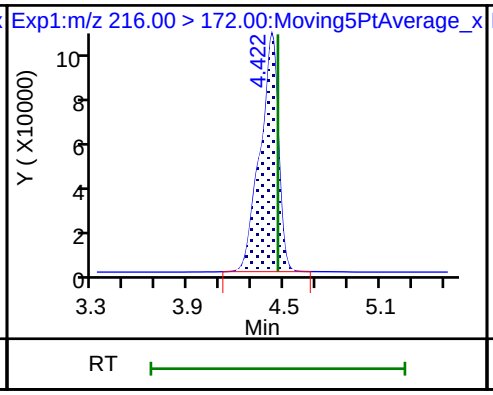
5 PFBA (ND)



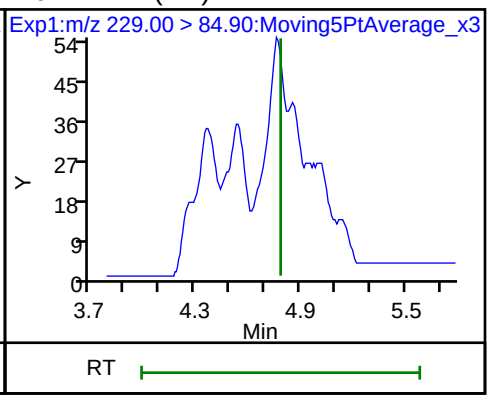
D 3 13C4-PFBA



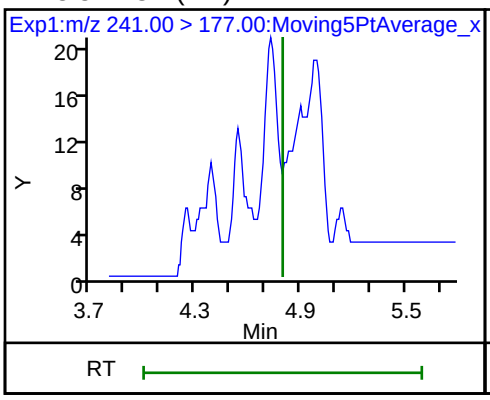
* 4 13C3PFBA



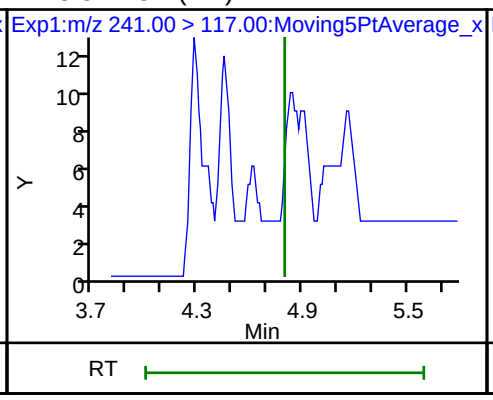
6 PFMPA (ND)



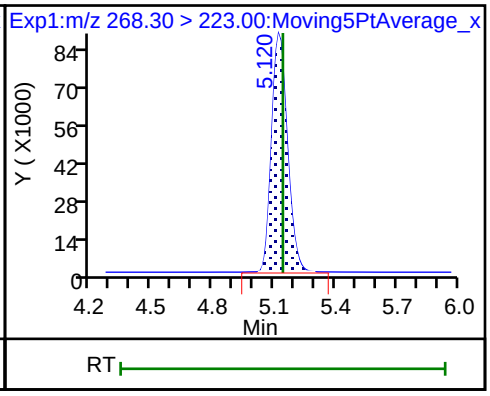
7 3:3 FTCA (ND)



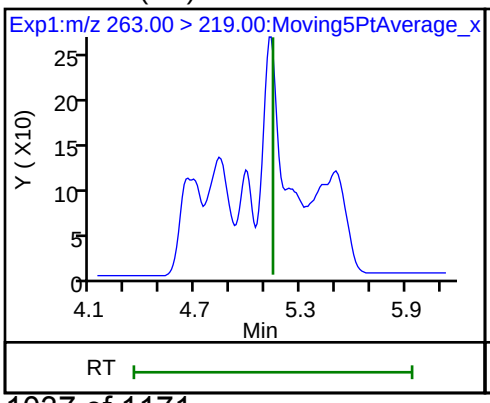
7 3:3 FTCA (ND)



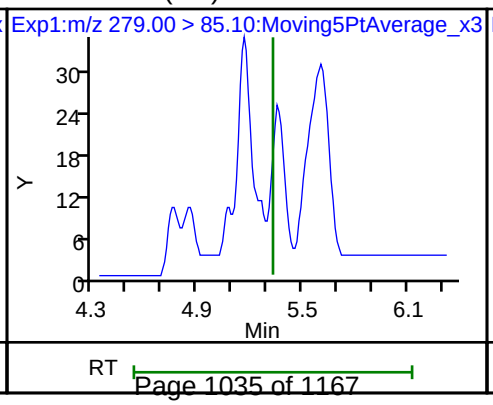
D 9 13C5 PFPeA



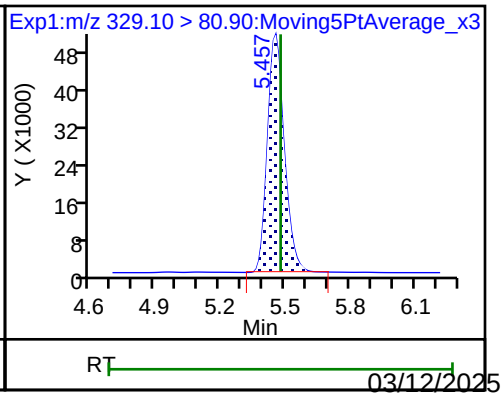
10 PFPA (ND)



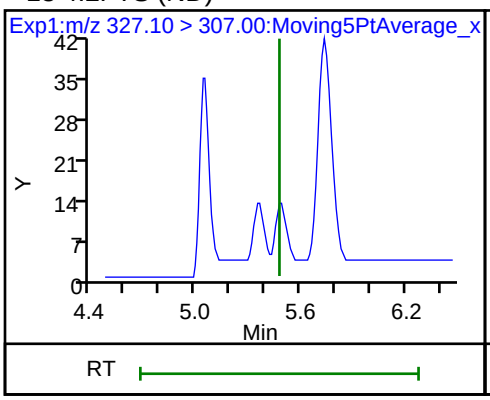
11 PFMBA (ND)



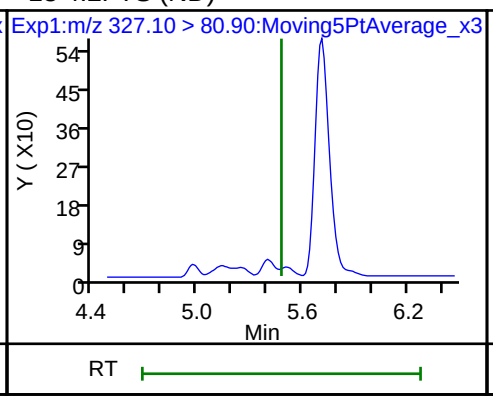
D 12 13C2-4:2FTS



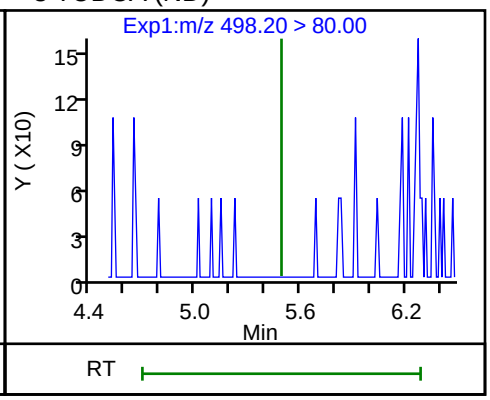
13 4:2FTS (ND)



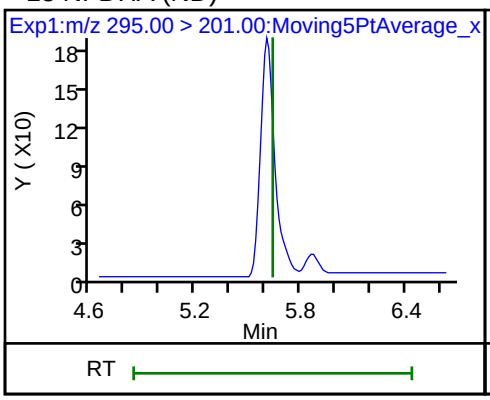
13 4:2FTS (ND)



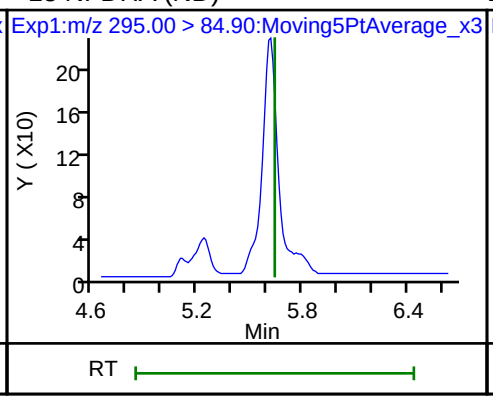
8 TUDCA (ND)



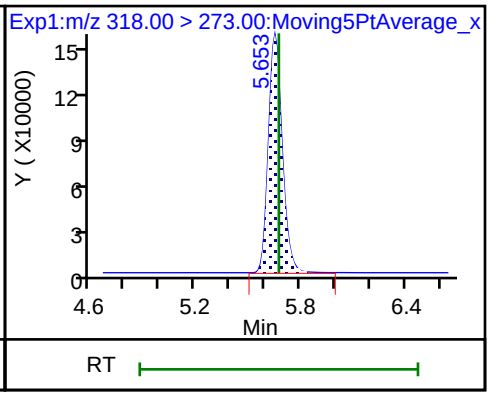
15 NFDHA (ND)



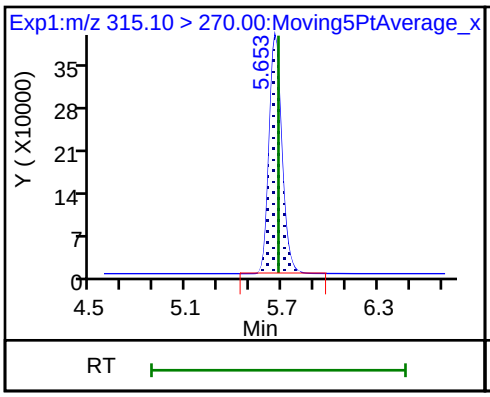
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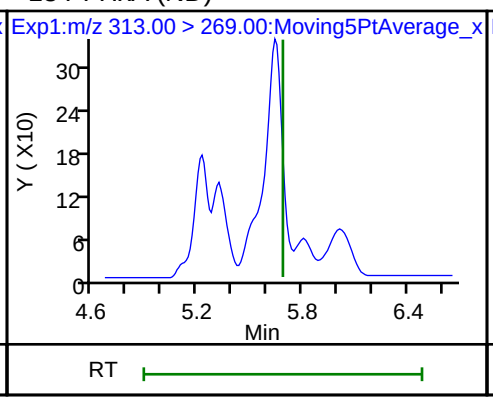
D 16 13C5 PFHxA



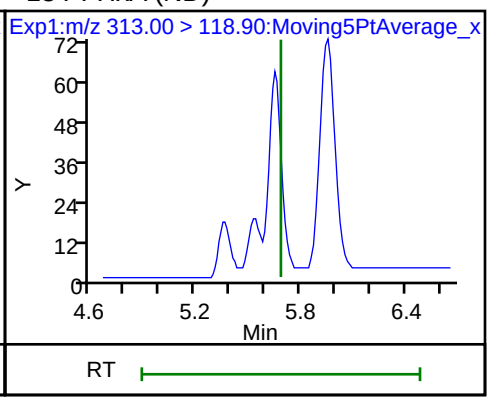
* 17 13C2 PFHxA



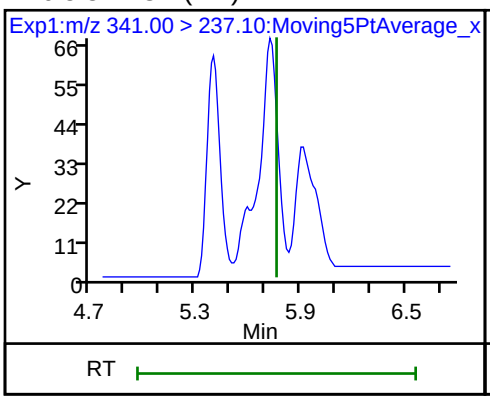
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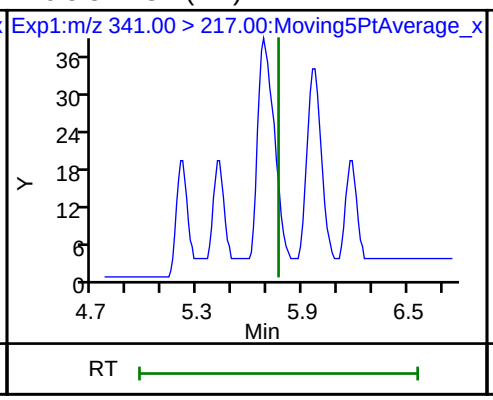
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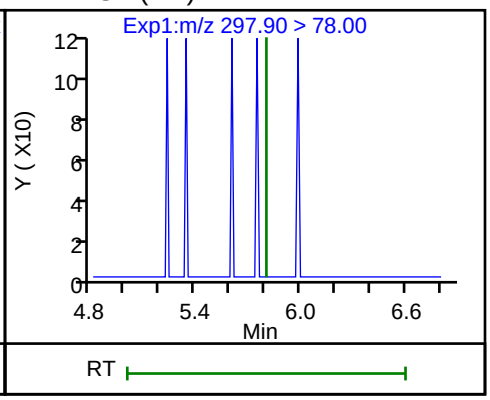
20 5:3 FTCA (ND)



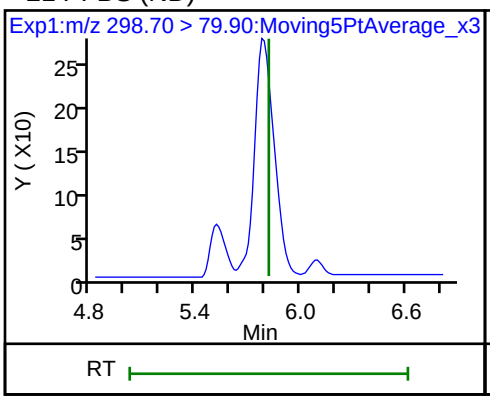
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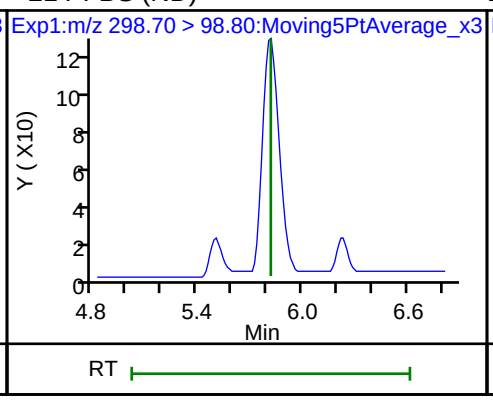
14 FBSA (ND)



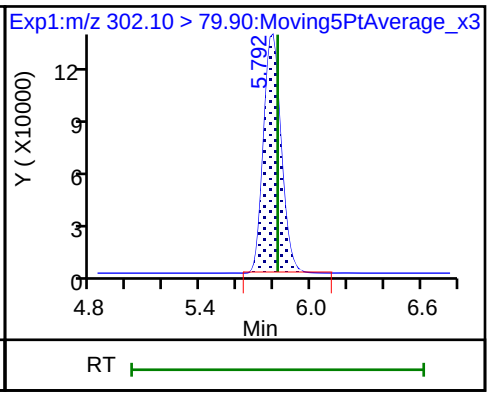
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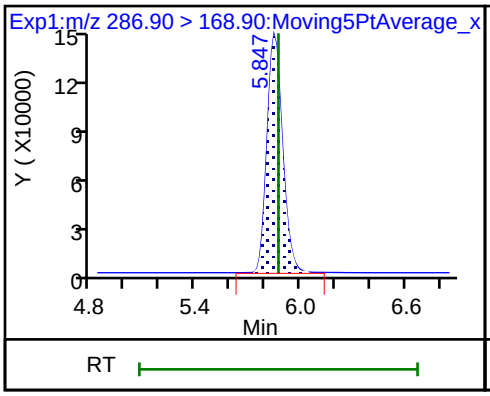
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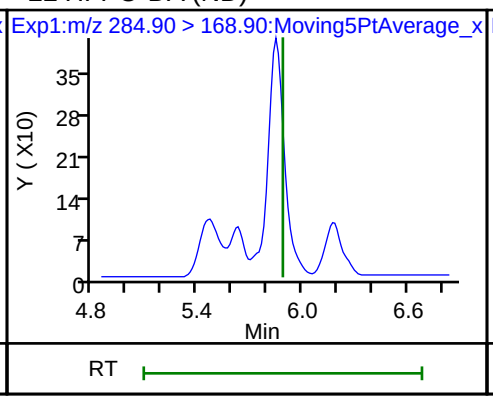
D 19 13C3 PFBS



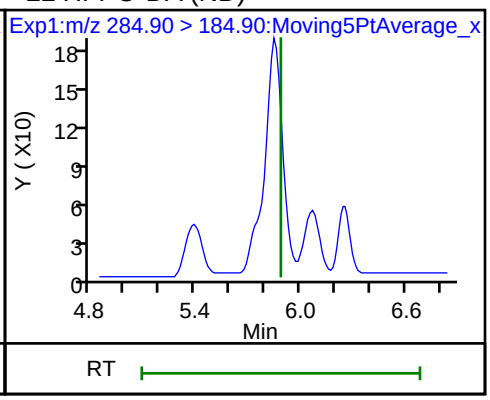
D 23 13C3 HFPO-DA



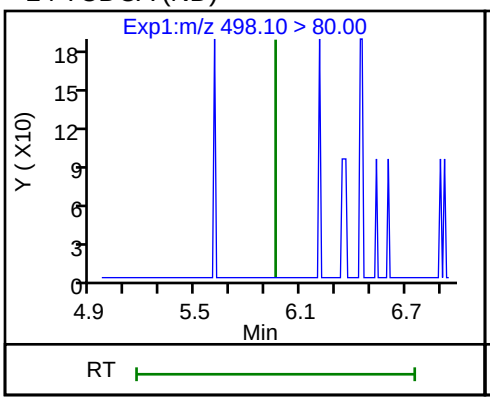
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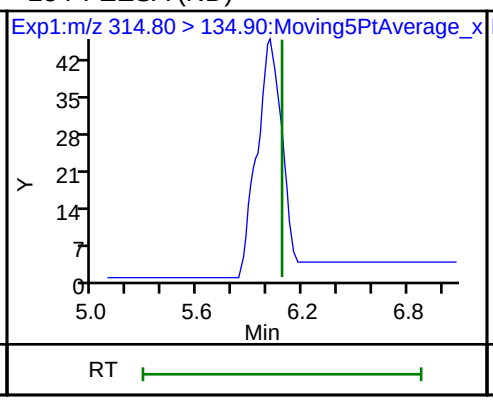
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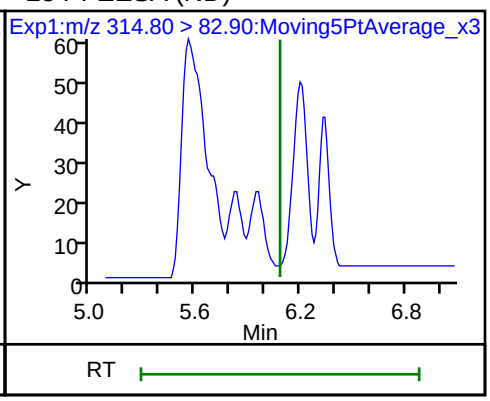
24 TCDCA (ND)



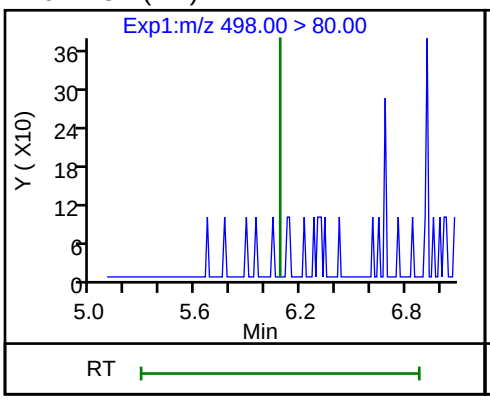
25 PFEESA (ND)



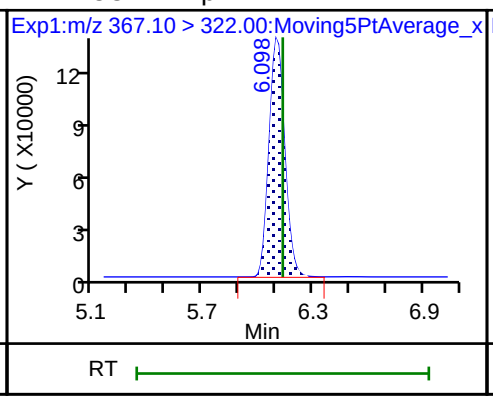
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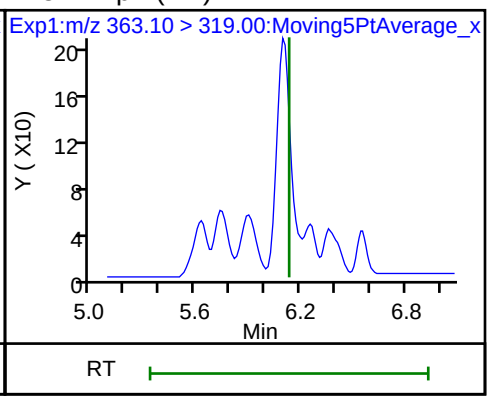
26 TDCA (ND)



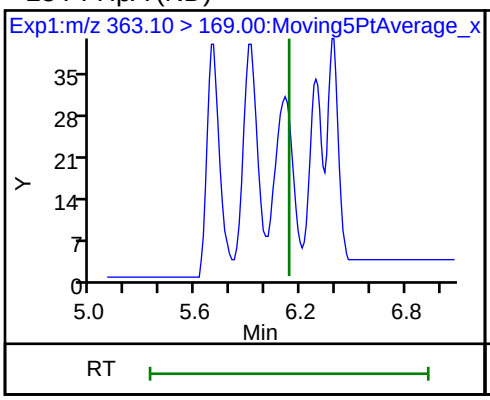
D 27 13C4 PFHpA



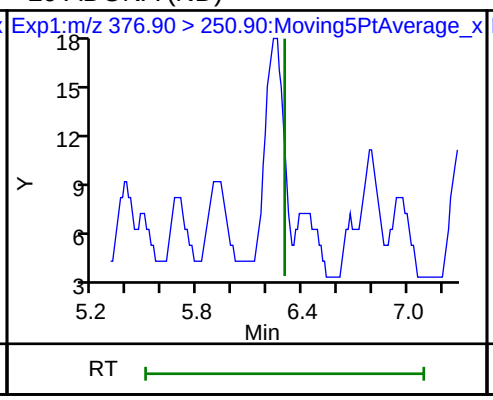
28 PFHpA (ND)



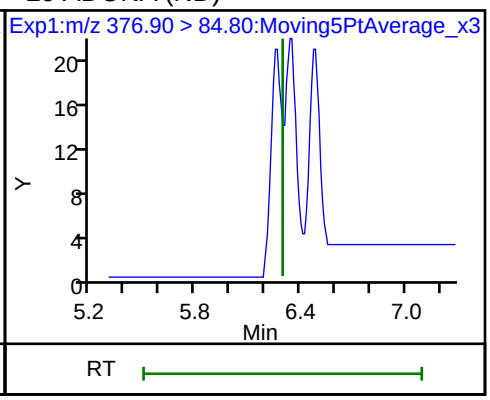
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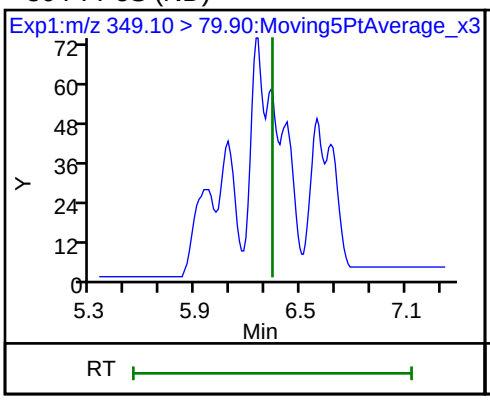
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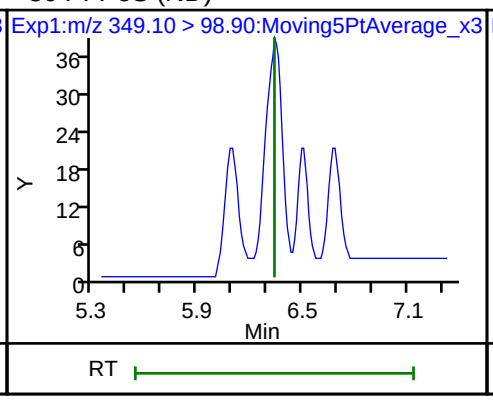
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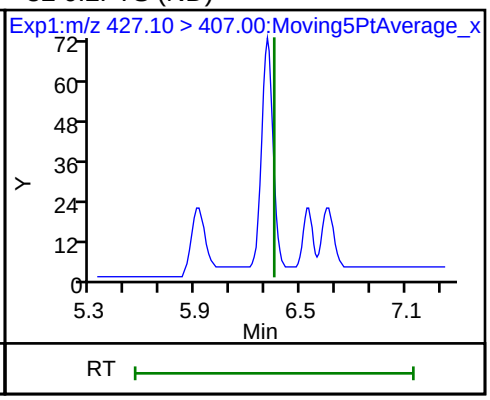
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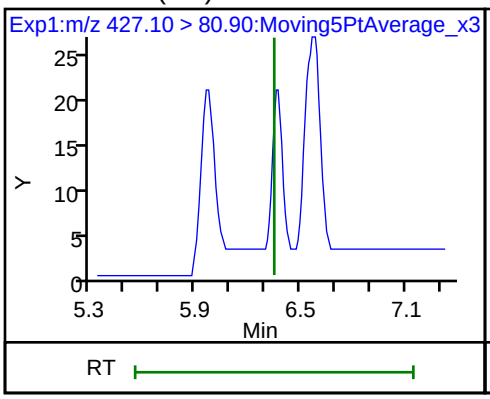
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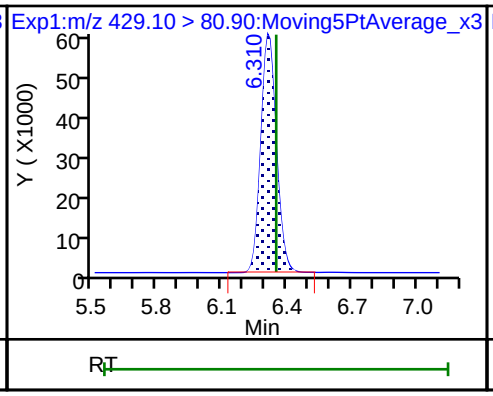
32 6:2FTS (ND)



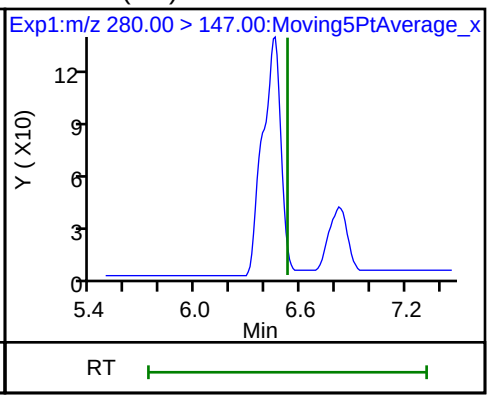
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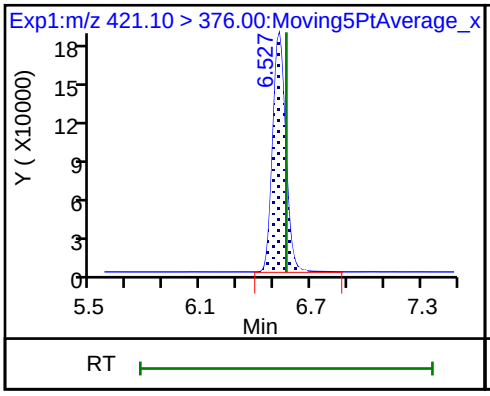
D 31 13C2-6:2FTS



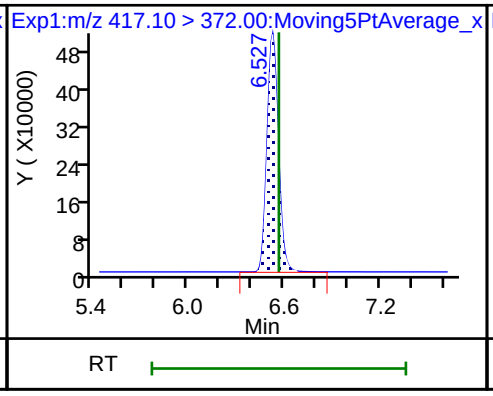
33 BTS (ND)



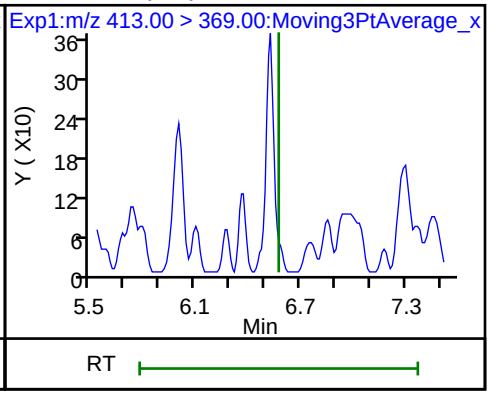
D 34 13C8 PFOA



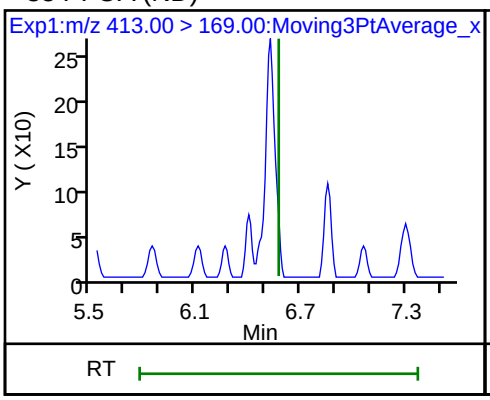
* 40 13C4 PFOA



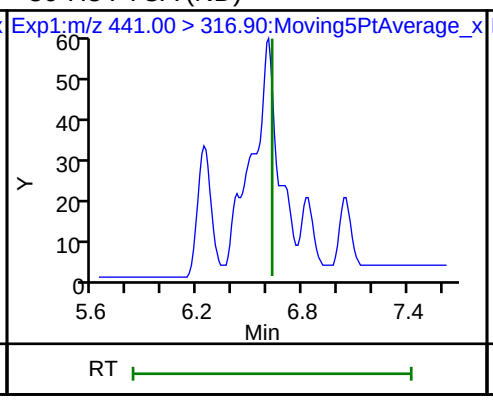
35 PFOA (ND)



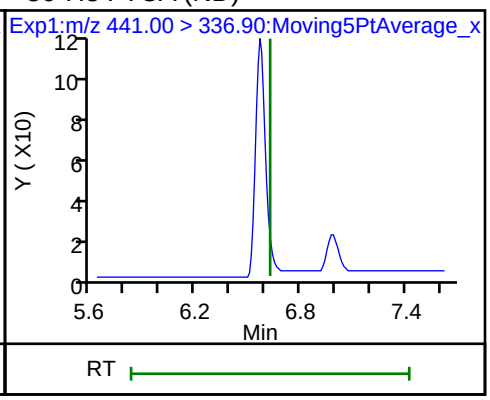
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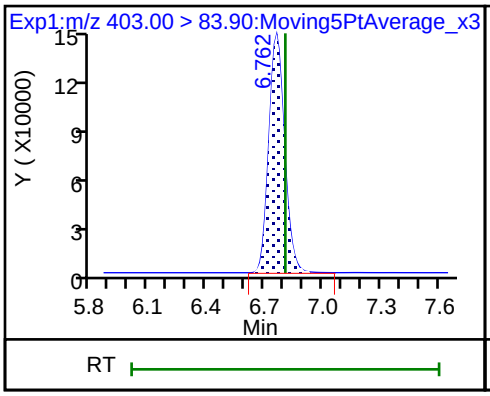
36 7:3 FTCA (ND)



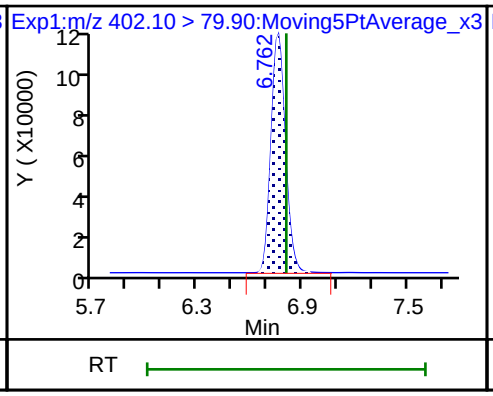
36 7:3 FTCA (ND)



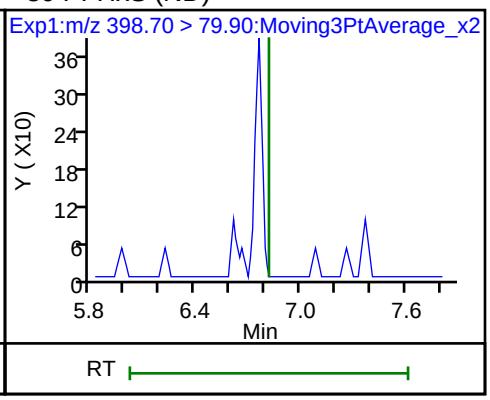
* 38 18O2 PFHxS



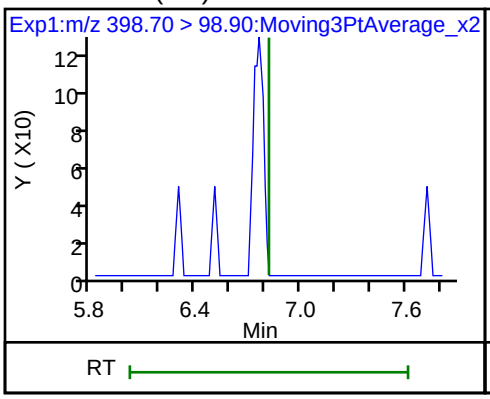
D 37 13C3 PFHxS



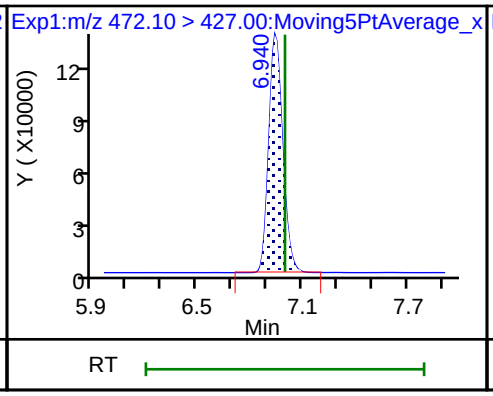
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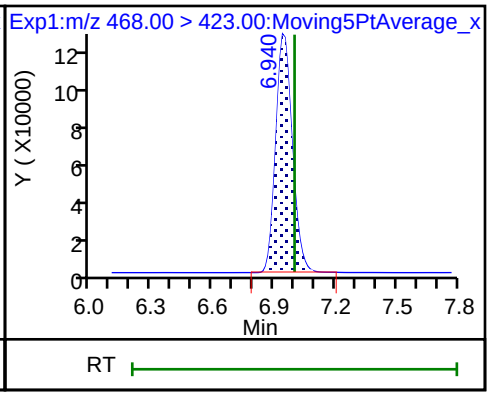
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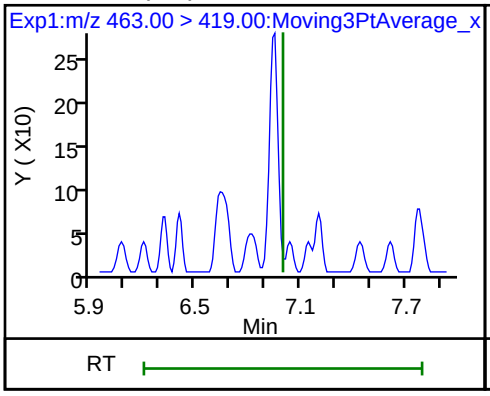
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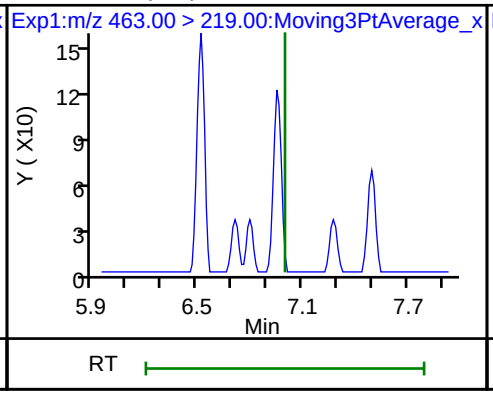
* 42 13C5 PFNA



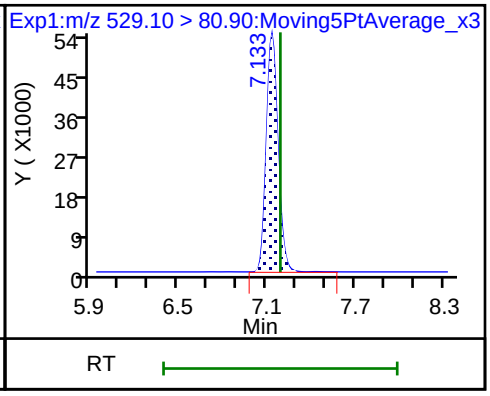
43 PFNA (ND)



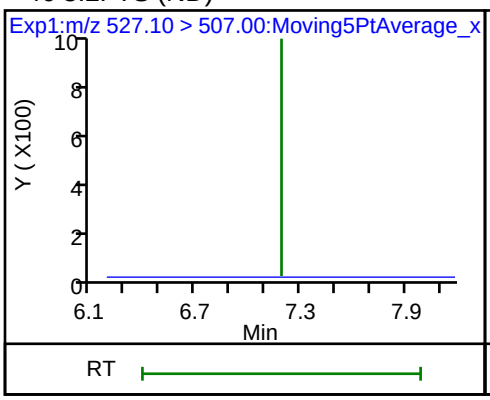
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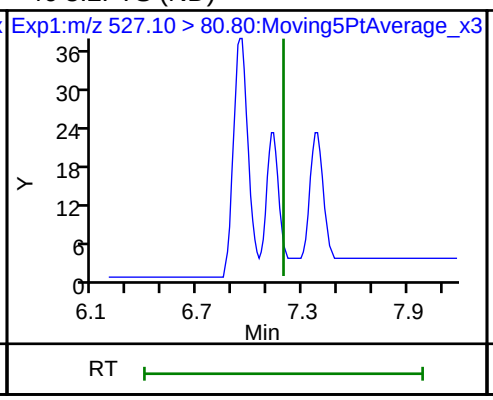
D 45 13C2-8:2FTS



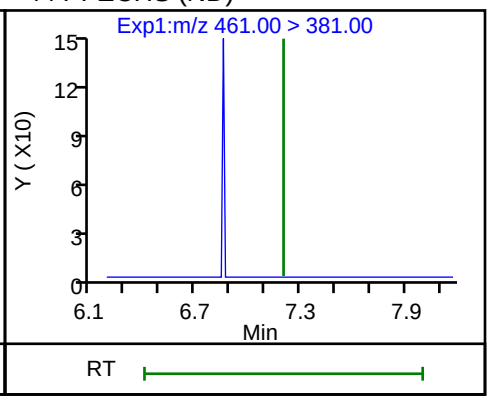
46 8:2FTS (ND)



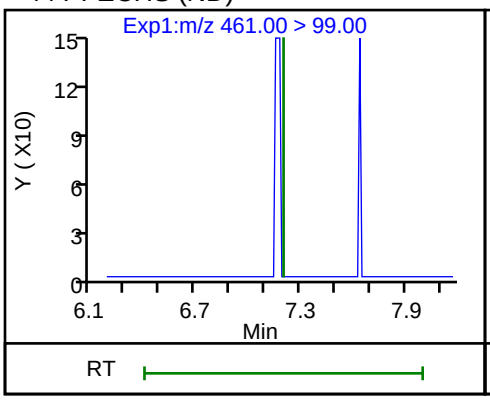
46 8:2FTS (ND)



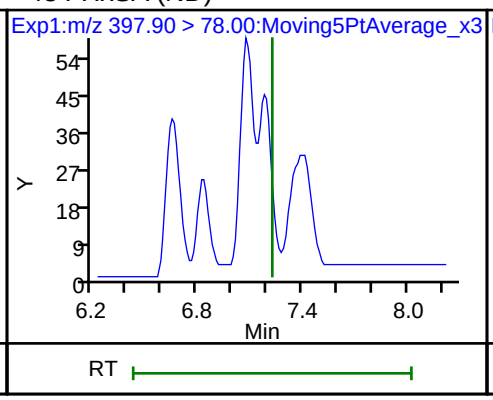
44 PFECHS (ND)



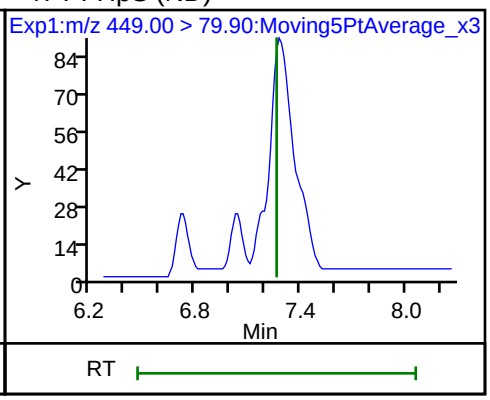
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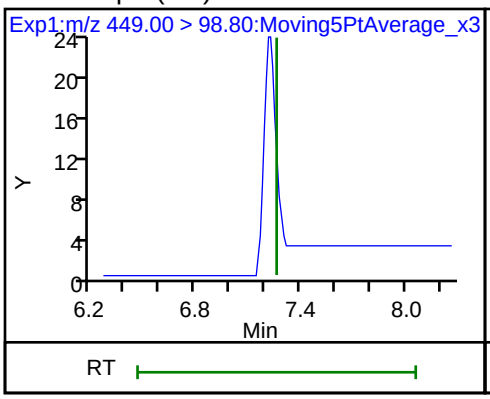
48 FHxSA (ND)



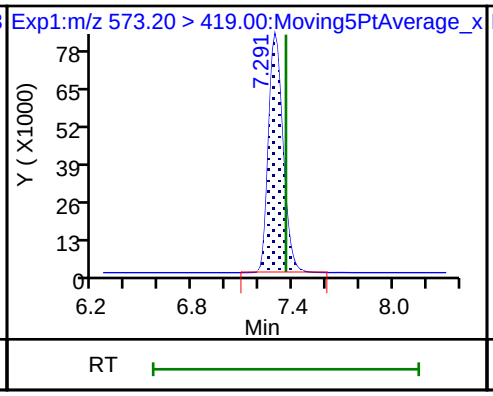
47 PFHpS (ND)



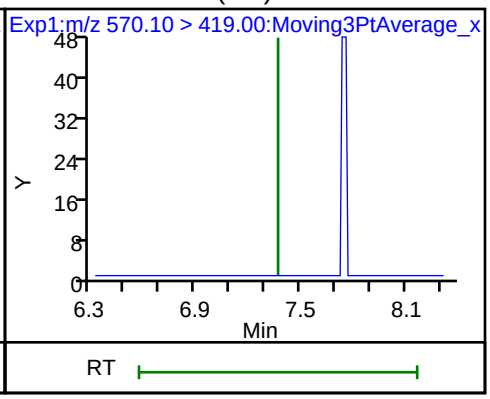
47 PFHpS (ND)



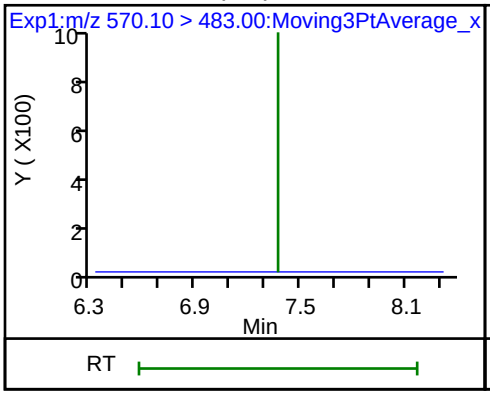
D 49 d3-NMeFOSAA



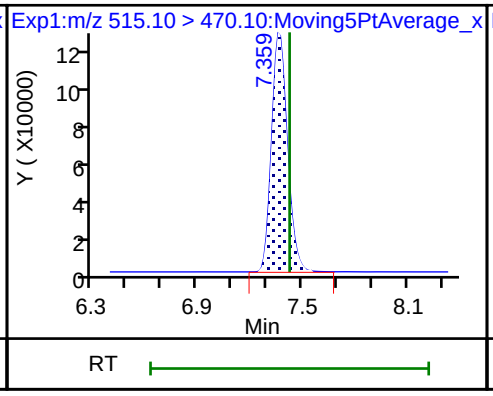
50 NMeFOSAA (ND)



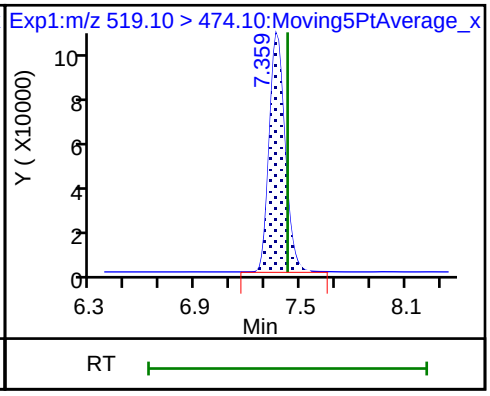
50 NMeFOSAA (ND)



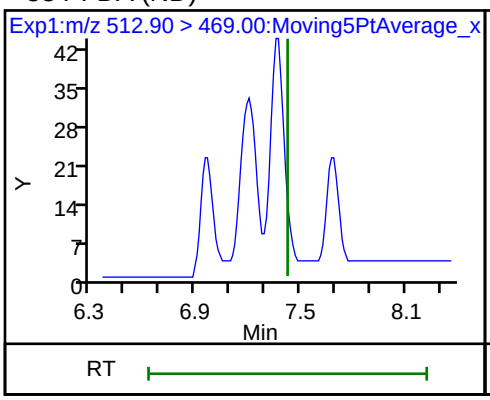
* 51 13C2 PFDA



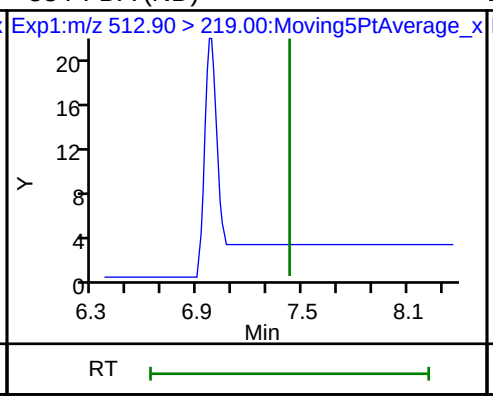
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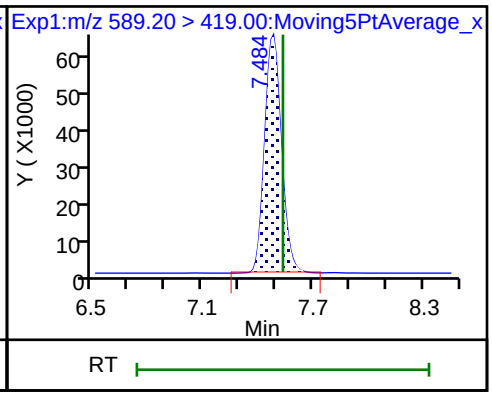
53 PFDA (ND)



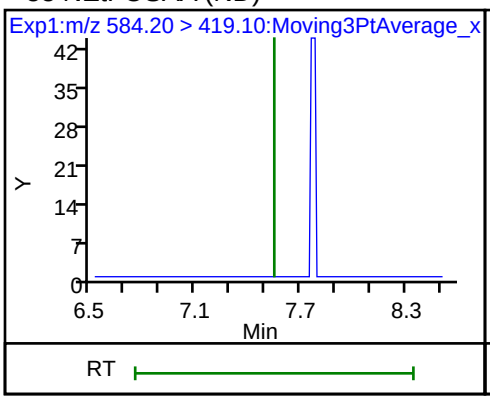
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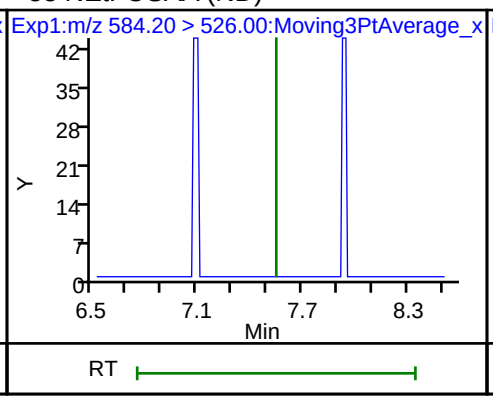
D 54 d5-NEtFOSAA



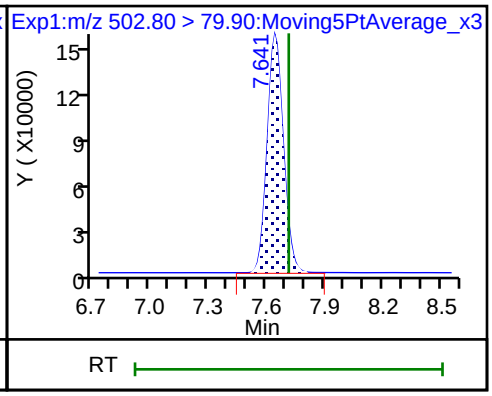
55 NEtFOSAA (ND)



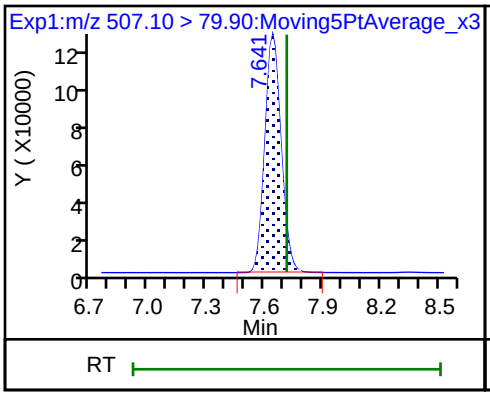
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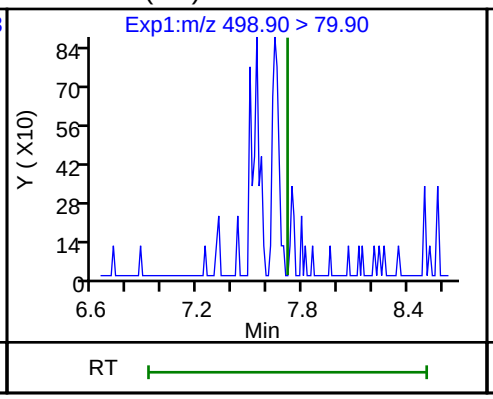
* 57 13C4 PFOS



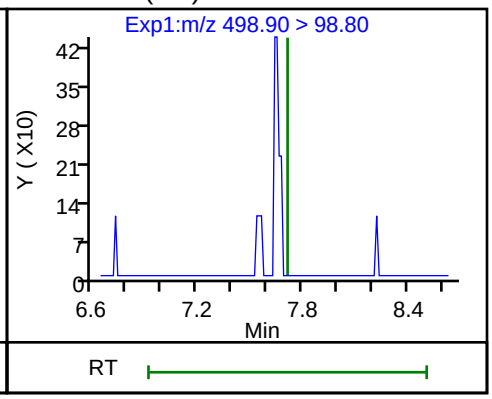
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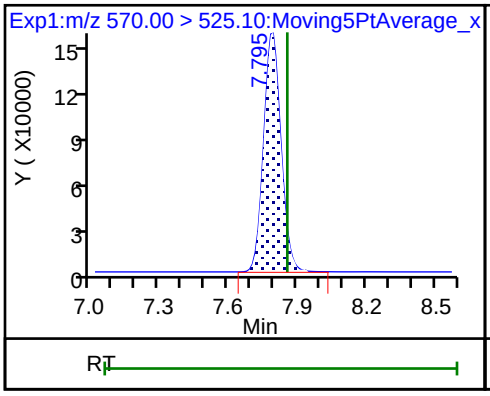
58 PFOS (ND)



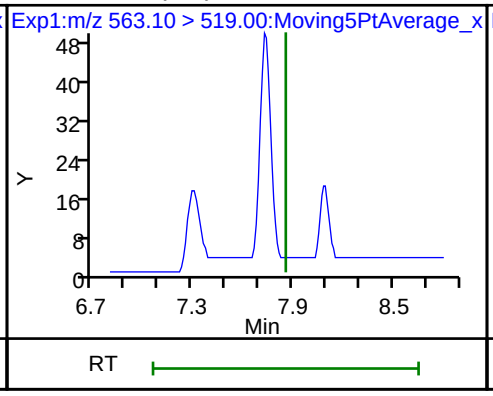
58 PFOS (ND)



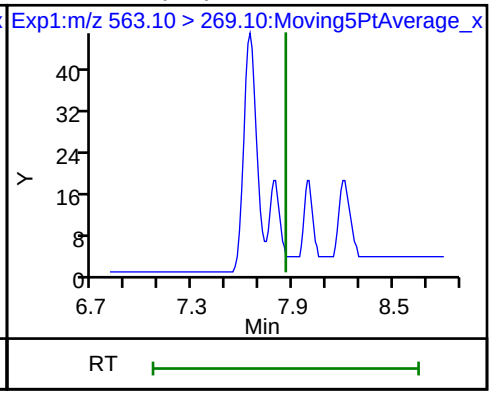
D 59 13C7 PFUnA



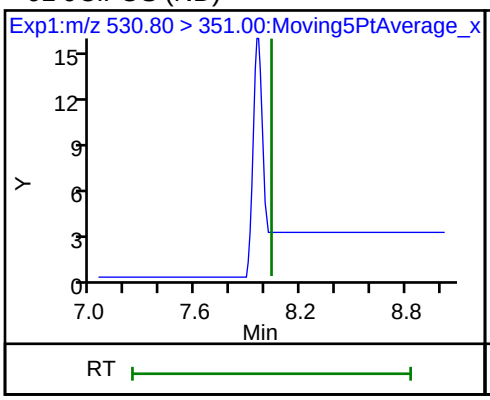
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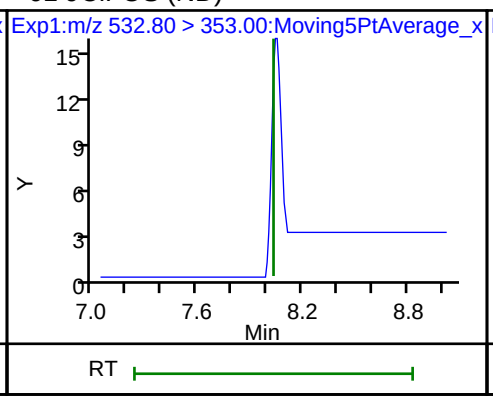
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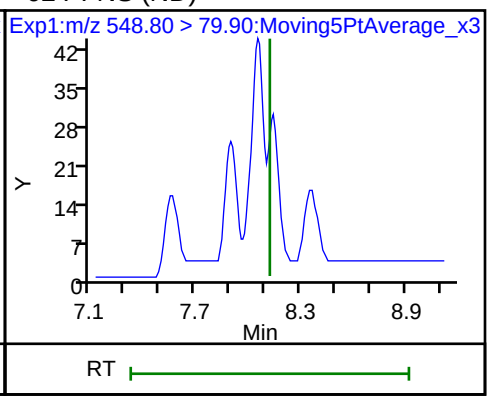
61 9ClFOS (ND)



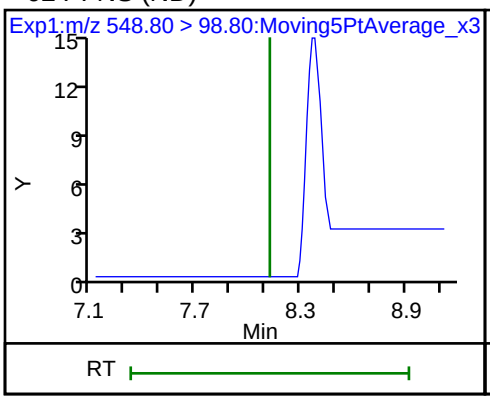
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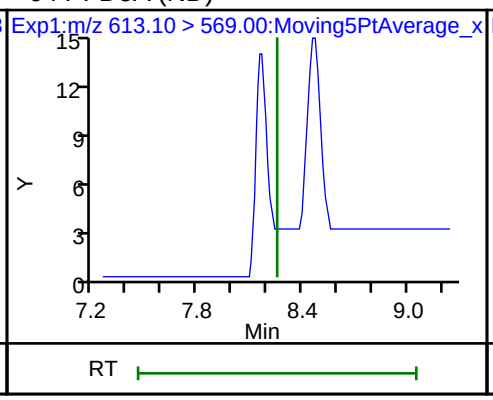
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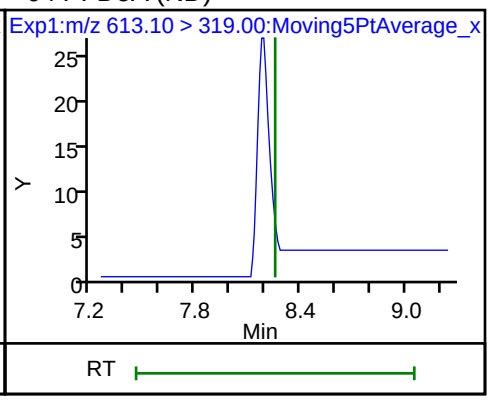
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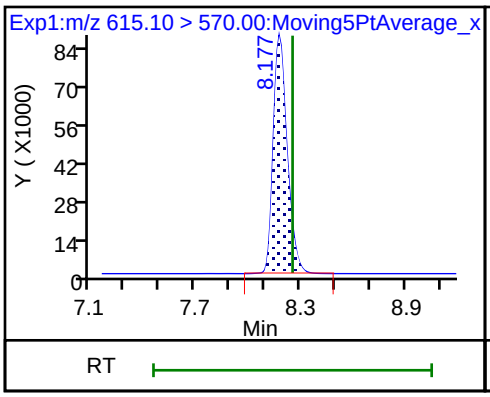
64 PFDoA (ND)



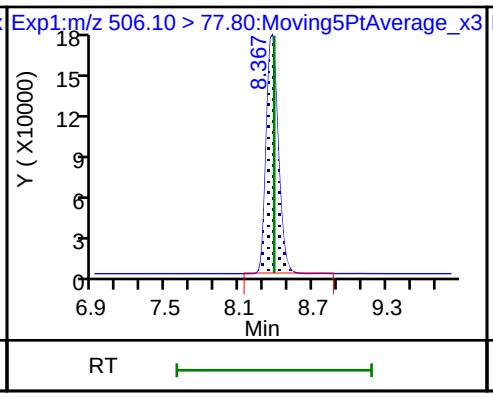
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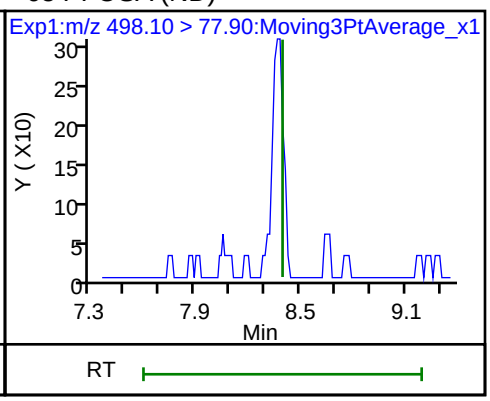
D 63 PFDoA



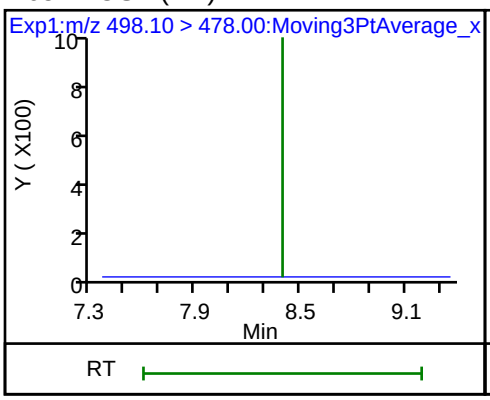
D 66 13C8 FOSA



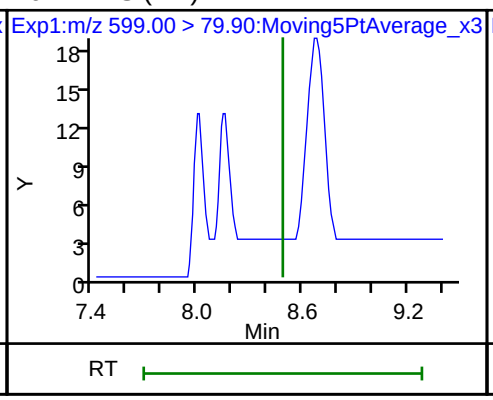
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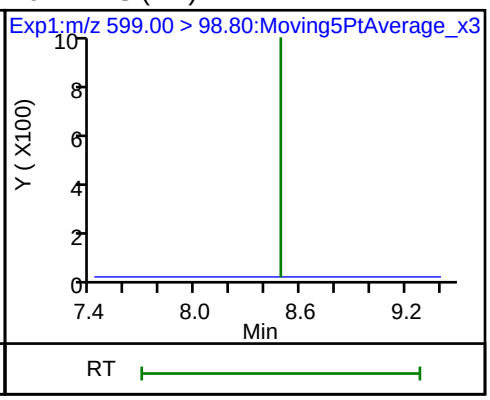
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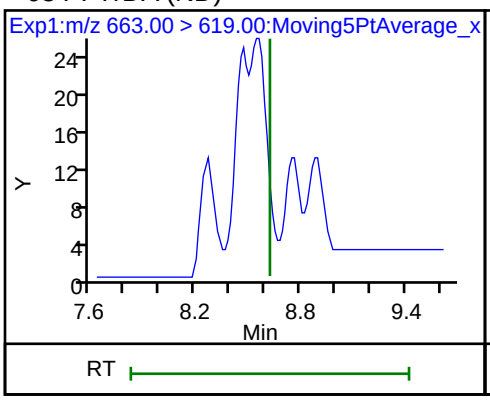
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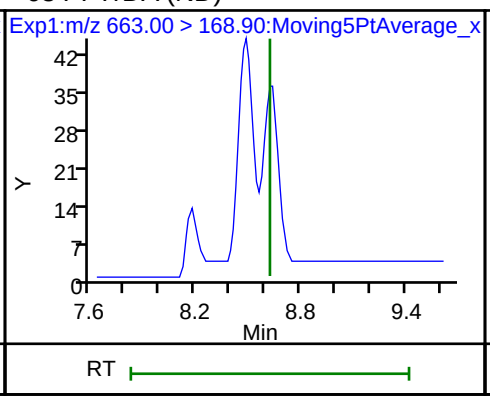
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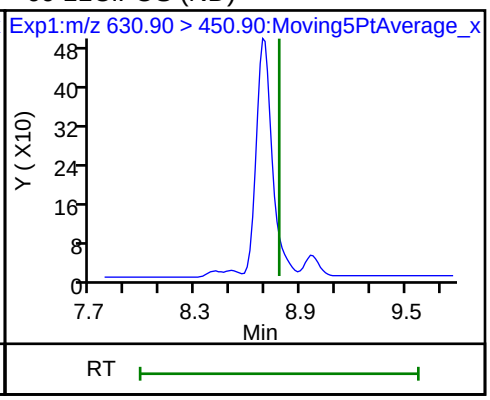
68 PFTrDA (ND)



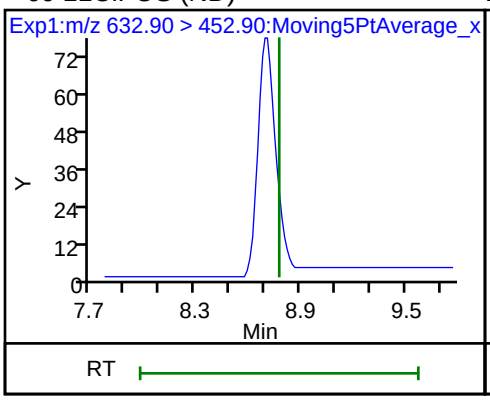
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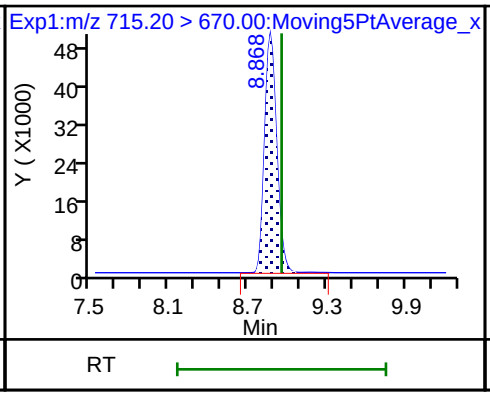
69 11ClFOS (ND)



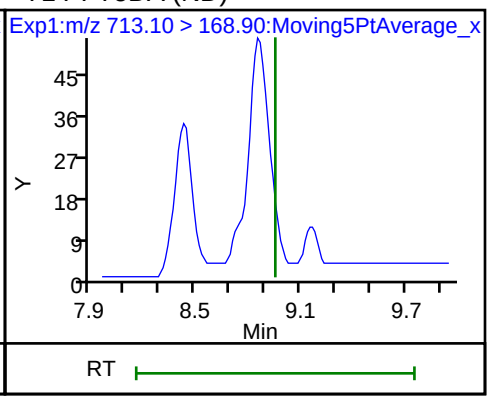
69 11ClFOS (ND)



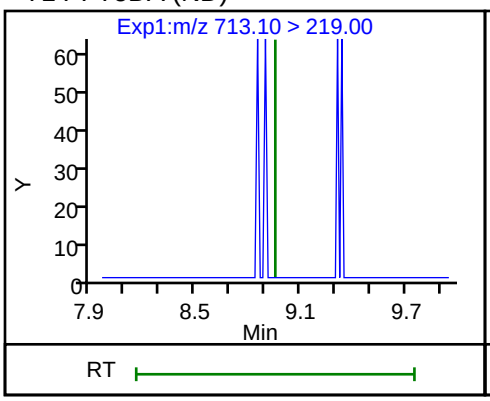
D 70 13C2 PFTeDA



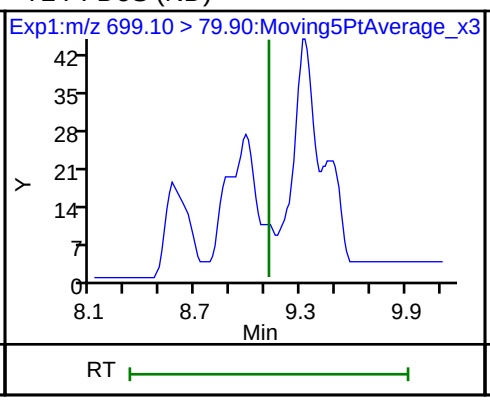
71 PFTeDA (ND)



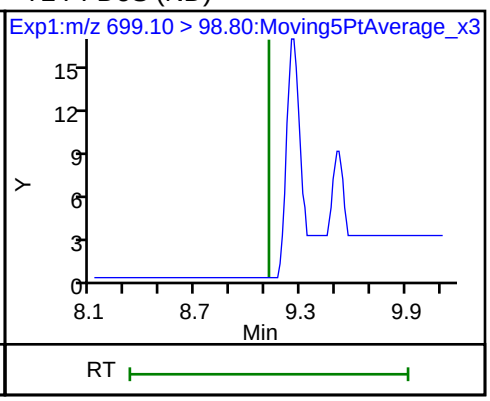
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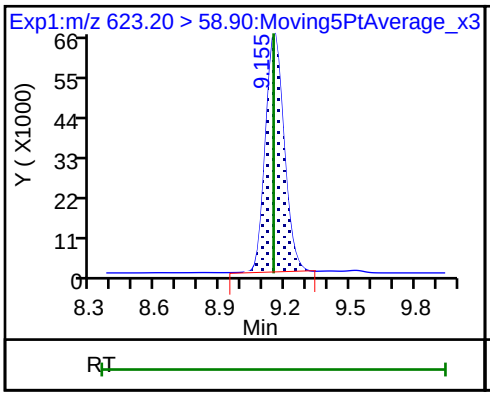
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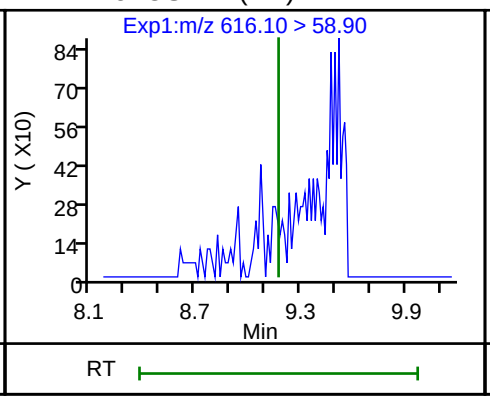
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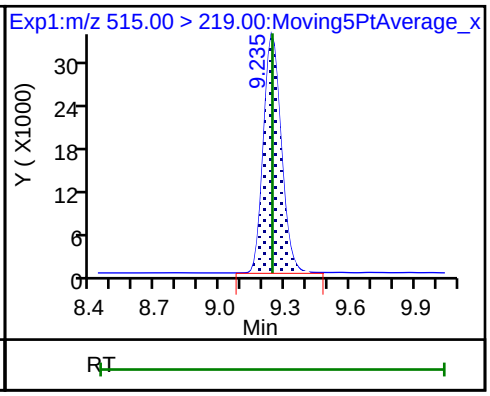
D 73 d7-N-Me-FOSE



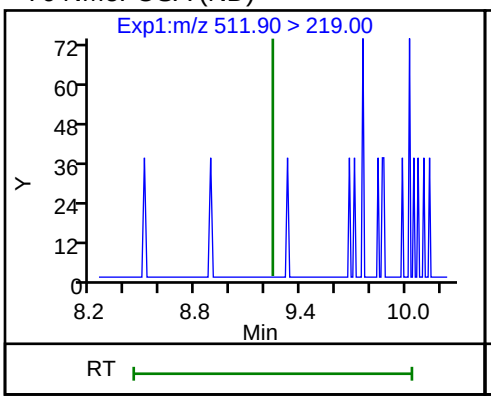
74 N-MeFOSE-M (ND)



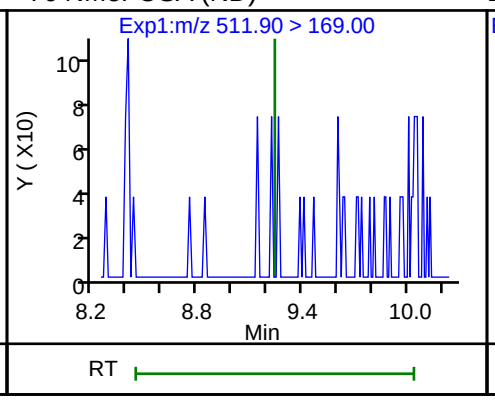
D 75 d3-NMePFOSA



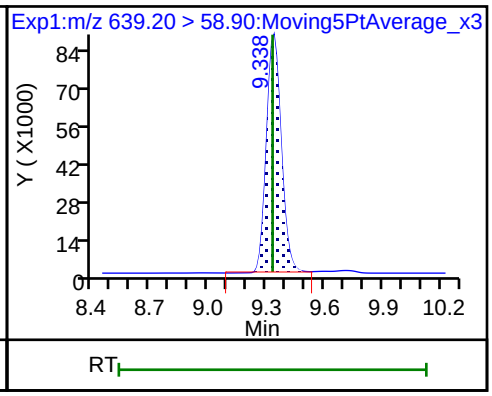
76 NMeFOSA (ND)



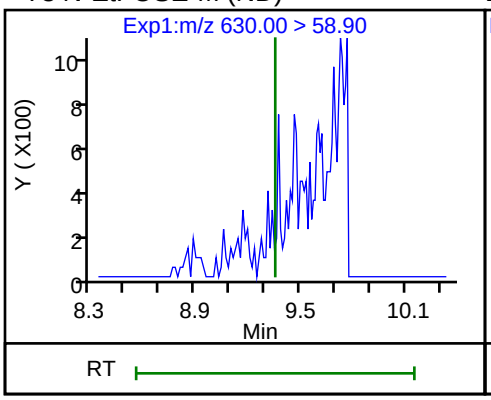
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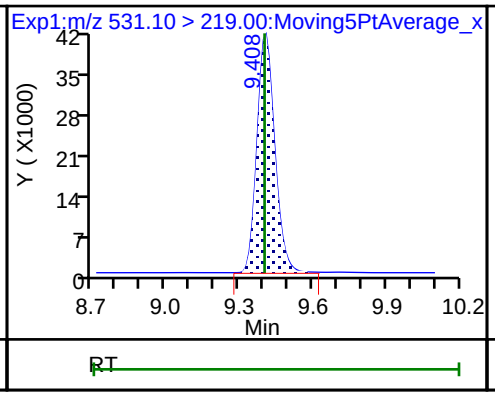
D 77 d9-N-EtFOSE



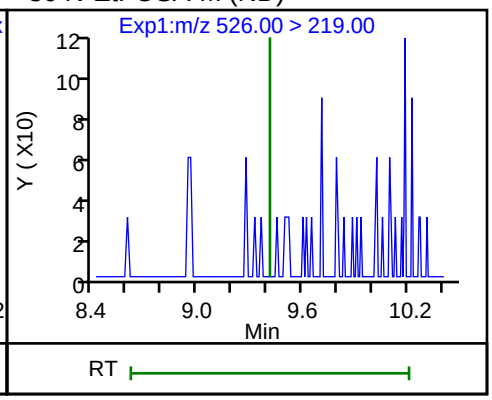
78 N-EtFOSE-M (ND)



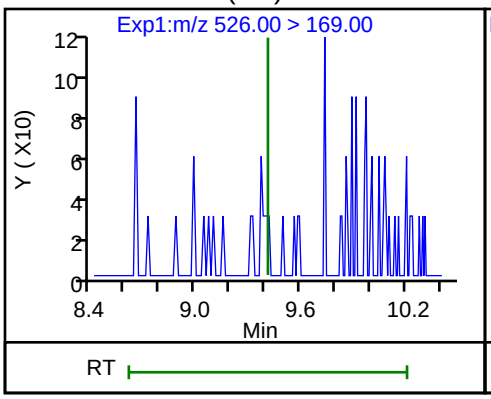
D 79 d5-NEtPFOSA



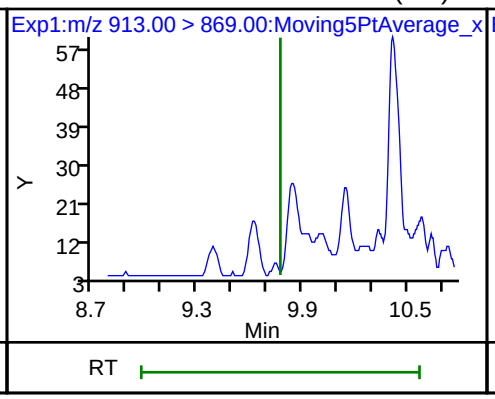
80 N-EtFOSA-M (ND)



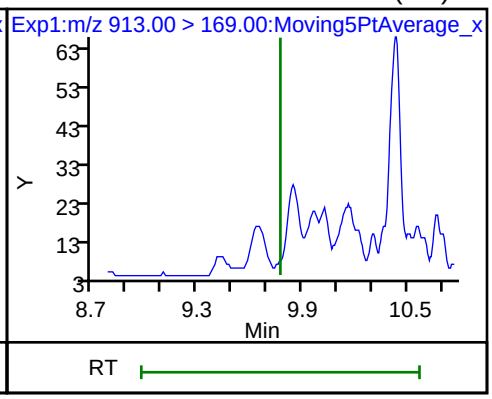
80 N-EtFOSA-M (ND)



81 Perfluorooctadecanoic acid (ND)



81 Perfluorooctadecanoic acid (ND)



FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-613015/2-A

Matrix: Water
Lab File ID: 25MAR05W-79.d

Analysis Method: 1633
Date Collected:

Extraction Method: 1633
Date Extracted: 03/05/2025 07:58

Sample wt/vol: 125(mL)
Date Analyzed: 03/06/2025 06:30

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613042
Units: ng/L

Preparation Batch No.: 613015
Instrument ID: 29347

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	73.0		4.0	1.1
2706-90-3	Perfluoropentanoic acid	39.4		2.0	0.60
307-24-4	Perfluorohexanoic acid	40.1		2.0	0.50
375-85-9	Perfluoroheptanoic acid	42.2		2.0	0.80
335-67-1	Perfluorooctanoic acid	36.8		2.0	0.90
375-95-1	Perfluorononanoic acid	37.3		2.0	0.50
335-76-2	Perfluorodecanoic acid	40.4		2.0	0.50
2058-94-8	Perfluoroundecanoic acid	39.0		2.0	0.50
307-55-1	Perfluorododecanoic acid	40.9		2.0	0.50
72629-94-8	Perfluorotridecanoic acid	38.8		2.0	0.50
376-06-7	Perfluorotetradecanoic acid	41.5		2.0	0.50
375-73-5	Perfluorobutanesulfonic acid	27.2		2.0	0.50
2706-91-4	Perfluoropentanesulfonic acid	34.0		2.0	0.50
355-46-4	Perfluorohexanesulfonic acid	32.0		2.0	0.80
375-92-8	Perfluoroheptanesulfonic acid	34.1		2.0	0.50
1763-23-1	Perfluorooctanesulfonic acid	35.0		2.0	0.50
68259-12-1	Perfluorononanesulfonic acid	29.2		2.0	0.50
335-77-3	Perfluorodecanesulfonic acid	29.7		2.0	0.50
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	29.4		2.0	0.60
757124-72-4	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	69.5		4.0	1.0
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	74.8		4.0	1.0
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	82.9		4.0	1.0
754-91-6	Perfluorooctanesulfonamide	38.7		2.0	0.50
31506-32-8	NMeFOSA	39.9		2.0	0.50
4151-50-2	N-ethylperfluoro-1-octanesulfonamide	38.3		2.0	0.50
2355-31-9	NMeFOSAA	39.0		2.0	0.50
2991-50-6	NEtFOSAA	39.5		2.0	0.50

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-613015/2-A

Matrix: Water
Lab File ID: 25MAR05W-79.d

Analysis Method: 1633
Date Collected:

Extraction Method: 1633
Date Extracted: 03/05/2025 07:58

Sample wt/vol: 125(mL)
Date Analyzed: 03/06/2025 06:30

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613042
Units: ng/L

Preparation Batch No.: 613015
Instrument ID: 29347

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
24448-09-7	2-(N-methylperfluoro-1-octanesulfonamido) ethanol	183		10	2.5
1691-99-2	2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	191		10	2.5
13252-13-6	HFPO-DA	25.4		2.0	0.75
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	30.4		2.0	0.50
377-73-1	Perfluoro-3-methoxypropanoic acid	42.3		2.0	0.50
863090-89-5	Perfluoro(4-methoxybutanoic acid)	39.8		2.0	0.50
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid	40.2		2.0	0.50
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	37.2		2.0	0.50
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	31.9		2.0	0.50
113507-82-7	PFEESA	33.0		2.0	0.50
356-02-5	3:3 FTCA	69.9		4.0	1.0
914637-49-3	5:3 FTCA	159		10	2.8
812-70-4	7:3 FTCA	140		10	2.5

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-613015/2-A

Matrix: Water
Lab File ID: 25MAR05W-79.d

Analysis Method: 1633
Date Collected:

Extraction Method: 1633
Date Extracted: 03/05/2025 07:58

Sample wt/vol: 125(mL)
Date Analyzed: 03/06/2025 06:30

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613042
Units: ng/L

Preparation Batch No.: 613015
Instrument ID: 29347

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	83.1		5-130
STL01893	13C5 PFPeA	85.3		40-130
STL02577	13C5 PFHxA	82.2		40-130
STL01892	13C4 PFHpA	90.3		40-130
STL01052	13C8 PFOA	81.7		40-130
STL02578	13C9 PFNA	87.2		40-130
STL02579	13C6 PFDA	82.5		40-130
STL02580	13C7 PFUnA	88.0		30-130
STL02116	13C2 PFTeDA	81.2		10-130
STL02337	13C3 PFBS	77.8		40-135
STL02581	13C3 PFHxS	86.5		40-130
STL01054	13C8 PFOS	91.1		40-130
STL01056	13C8 FOSA	69.2		40-130
STL02118	d3-NMeFOSAA	79.5		40-170
STL02117	d5-NEtFOSAA	84.0		25-135
STL02395	M2-4:2 FTS	74.9		40-200
STL02279	M2-6:2 FTS	80.1		40-200
STL02280	M2-8:2 FTS	71.5		40-300
STL02255	13C3 HFPO-DA	88.7		40-130
STL02277	d7-N-MeFOSE-M	70.5		10-130
STL02278	d9-N-EtFOSE-M	67.0		10-130
STL02704	d5-NEtPFOSA	50.8		10-130
STL02705	d3-NMePFOSA	49.4		10-130
STL00998	13C2 PFDoA	74.0		10-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\25MAR05W-79.d
Lims ID: LCS 410-613015/2-A
Client ID:
Sample Type: LCS
Inject. Date: 06-Mar-2025 06:30:57 ALS Bottle#: 35 Worklist Smp#: 141
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-613015/2-A
Misc. Info.: Plate: 1 Rack: 1 410-0139917-141
Operator ID: US19_USR_INS00012E Instrument ID: 29347

Method: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\29347_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 06-Mar-2025 15:56:13 Calib Date: 27-Feb-2025 16:49:35
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1676

First Level Reviewer: JU9U Date: 06-Mar-2025 15:49:18
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C3PFPrA										
166.00 > 121.00	1.748	1.806	-0.058	0.426	871784	1.68		84.2	328	
2 Perfluoropropionic acid										
163.00 > 119.00	1.748	1.815	-0.067	1.000	2096361	4.58		91.7	8.0	
D 4 13C4-PFBA										
216.80 > 171.90	4.108	4.116	-0.008	1.000	2020959	1.66		83.1	50504	
3 PFBA										
212.80 > 168.90	4.108	4.116	-0.008	1.000	1792094	1.83		91.3	851	
* 5 13C3PFBA										
216.00 > 172.00	4.108	4.116	-0.008		2121441	2.00			411	
7 PFMPA										
229.00 > 84.90	4.351	4.361	-0.010	0.924	865587	1.06		106	26270	
6 3:3 FTCA										
241.00 > 177.00	4.359	4.361	-0.002	0.926	88628	1.75	Target=1.13	87.4	6822	
241.00 > 117.00	4.351	4.361	-0.010	0.924	77678		1.14(0.56-1.69)		1808	
8 PFPA										
263.00 > 219.00	4.709	4.711	-0.002	1.000	624123	0.9840		98.4	6095	
D 9 13C5 PFPeA										
268.30 > 223.00	4.709	4.711	-0.002	0.894	787985	1.71		85.3	34853	
10 PFMBA										
279.00 > 85.10	4.884	4.897	-0.013	1.037	701996	1.00		99.6	24526	
11 4:2FTS										
327.10 > 307.00	5.051	5.063	-0.012	1.000	559942	1.74	Target=1.58	93.0	38524	
327.10 > 80.90	5.051	5.063	-0.012	1.000	347703		1.61(0.79-2.37)		6487	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.051	5.063	-0.012	0.781	445885	3.51		74.9	23095	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.214	5.217	-0.003	0.991	203372	1.01	Target=19.85	101	13652	
295.00 > 84.90	5.206	5.217	-0.011	0.989	11471		17.73(9.92-29.77)		800	
16 PFHxA										
313.00 > 269.00	5.264	5.272	-0.008	1.000	759619	1.00	Target=13.05	100	10710	
313.00 > 118.90	5.264	5.272	-0.008	1.000	59110		12.85(6.53-19.58)		3897	
D 17 13C5 PFHxA										
318.00 > 273.00	5.264	5.281	-0.017	1.000	1588526	1.64		82.2	52295	
* 15 13C2 PFHxA										
315.10 > 270.00	5.264	5.281	-0.017		4472895	5.00			97426	
18 5:3 FTCA										
341.00 > 237.10	5.358	5.375	-0.017	1.018	421912	3.97	Target=2.86	79.3	17506	
341.00 > 217.00	5.358	5.375	-0.017	1.018	150959		2.79(1.43-4.29)		8012	
19 PFBS										
298.70 > 79.90	5.409	5.418	-0.009	1.000	892072	0.6810	Target=3.09	76.7	36345	
298.70 > 98.80	5.398	5.418	-0.020	0.998	331631		2.69(1.55-4.64)		12186	
D 20 13C3 PFBS										
302.10 > 79.90	5.409	5.418	-0.009	0.836	2236051	1.45		77.8	71555	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.486	5.496	-0.010	1.042	1102934	1.77		88.7	50214	
21 HFPO-DA										
284.90 > 168.90	5.475	5.496	-0.021	0.998	402070	0.6358	Target=15.31	84.8	12183	
284.90 > 184.90	5.475	5.496	-0.021	0.998	28643		14.04(7.65-22.96)		1726	
24 PFEESA										
314.80 > 134.90	5.681	5.701	-0.020	1.079	2873533	0.8249	Target=13.22	92.5	152106	
314.80 > 82.90	5.681	5.701	-0.020	1.079	210135		13.67(6.61-19.83)		5583	
26 PFHpA										
363.10 > 319.00	5.769	5.790	-0.021	0.998	1156999	1.06	Target=3.46	106	24538	
363.10 > 169.00	5.769	5.790	-0.021	0.998	340321		3.40(1.73-5.19)		16136	
D 27 13C4 PFHpA										
367.10 > 322.00	5.780	5.790	-0.010	1.098	2134519	1.81		90.3	100878	
28 ADONA										
376.90 > 250.90	5.955	5.963	-0.008	1.085	1391485	0.7601	Target=14.06	80.4	92228	
376.90 > 84.80	5.955	5.963	-0.008	1.085	95231		14.61(7.03-21.09)		6273	
29 PFPeS										
349.10 > 79.90	5.975	5.983	-0.008	0.924	1071218	0.8492	Target=2.97	90.3	47627	
349.10 > 98.90	5.965	5.983	-0.018	0.922	377931		2.83(1.48-4.45)		22616	
30 6:2FTS										
427.10 > 407.00	6.015	6.031	-0.017	1.000	619363	1.87	Target=1.46	98.6	44023	
427.10 > 80.90	6.015	6.031	-0.017	1.000	424365		1.46(0.73-2.20)		22431	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.015	6.031	-0.017	0.930	335833	3.81		80.1	23551	
33 FBSA										
279.90 > 78.00	6.151	6.168	-0.017	1.137	1599755	0.9300		93.0	60131	
32 BTS										
280.00 > 147.00	6.151	6.177	-0.026	0.951	3826645	0.8649		88.3	2576	
D 34 13C8 PFOA										
421.10 > 376.00	6.237	6.254	-0.017	0.998	2116920	1.63		81.7	88882	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 35 13C4 PFOA										
417.10 > 372.00	6.247	6.254	-0.007		6393537	5.00			589666	
36 PFOA										
413.00 > 369.00	6.237	6.254	-0.017	1.000	894654	0.9199	Target=2.10	92.0	61942	
413.00 > 169.00	6.237	6.254	-0.017	1.000	429969		2.08(1.05-3.15)		108695	
37 7:3 FTCA										
441.00 > 316.90	6.296	6.312	-0.016	1.196	298608	3.49	Target=0.46	69.8	15440	
441.00 > 336.90	6.296	6.312	-0.016	1.196	640755		0.47(0.23-0.69)		26375	
* 38 18O2 PFHxS										
403.00 > 83.90	6.470	6.496	-0.026		2693975	1.89			176654	
40 PFHxS										
398.70 > 79.90	6.480	6.496	-0.016	1.002	1021185	0.7988	Target=2.96	87.6	247015	
398.70 > 98.90	6.470	6.496	-0.026	1.000	367884		2.78(1.48-4.44)		517	
D 39 13C3 PFHxS										
402.10 > 79.90	6.470	6.496	-0.026	1.000	2290965	1.64		86.5	90327	
* 43 13C5 PFNA										
468.00 > 423.00	6.684	6.701	-0.017		2662800	2.00			144255	
42 PFNA										
463.00 > 419.00	6.684	6.701	-0.017	1.000	914666	0.9317	Target=5.06	93.2	129540	
463.00 > 219.00	6.684	6.701	-0.017	1.000	197751		4.63(2.53-7.59)		249	
D 41 13C9 PFNA										
472.10 > 427.00	6.684	6.701	-0.017	1.000	2269922	1.74		87.2	123227	
48 FHxSA										
397.90 > 78.00	6.843	6.864	-0.021	1.058	1044560	0.8334		83.3	33790	
44 8:2FTS										
527.10 > 507.00	6.874	6.889	-0.015	1.000	354471	2.07	Target=1.12	108	26991	
527.10 > 80.80	6.874	6.889	-0.015	1.000	299076		1.19(0.56-1.68)		22995	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.874	6.898	-0.024	1.062	189853	3.43		71.5	10619	
46 PFECHS										
461.00 > 381.00	6.883	6.907	-0.024	1.064	303166	0.8699	Target=0.23	94.1	16118	
461.00 > 99.00	6.883	6.907	-0.024	1.064	1333262		0.23(0.11-0.34)		71999	
47 PFHpS										
449.00 > 79.90	6.929	6.952	-0.023	0.940	1198325	0.8535	Target=3.51	89.5	51475	
449.00 > 98.80	6.929	6.952	-0.023	0.940	336481		3.56(1.75-5.26)		23823	
D 50 d3-NMeFOSAA										
573.20 > 419.00	7.044	7.058	-0.014	0.955	2145013	3.98		79.5	120611	
49 NMeFOSAA										
570.10 > 419.00	7.053	7.067	-0.014	1.001	439952	0.9742	Target=2.33	97.4	960	
570.10 > 483.00	7.053	7.067	-0.014	1.001	204537		2.15(1.16-3.49)		358	
51 PFDA										
512.90 > 469.00	7.105	7.128	-0.023	1.000	931561	1.01	Target=6.65	101	41931	
512.90 > 219.00	7.105	7.128	-0.023	1.000	137684		6.77(3.33-9.98)		10575	
D 53 13C6 PFDA										
519.10 > 474.10	7.105	7.128	-0.023	1.000	1750929	1.65		82.5	98102	
* 52 13C2 PFDA										
515.10 > 470.10	7.105	7.128	-0.023		2071516	2.00			116136	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.223	7.246	-0.023	0.979	1947802	4.20		84.0	104332	
55 NEtFOSAA										
584.20 > 419.10	7.223	7.255	-0.032	1.000	319604	0.9868	Target=2.61	98.7	433	
584.20 > 526.00	7.232	7.255	-0.023	1.001	121235		2.64(1.31-3.92)		308	
D 56 13C8 PFOS										
507.10 > 79.90	7.374	7.388	-0.014	1.000	2427022	1.74		91.1	32856	
58 PFOS										
498.90 > 79.90	7.374	7.388	-0.014	1.000	1280830	0.8750	Target=3.87	94.1	88653	
498.90 > 98.80	7.374	7.388	-0.014	1.000	331801		3.86(1.93-5.80)		699	
* 57 13C4 PFOS										
502.80 > 79.90	7.374	7.398	-0.024		2831957	1.91			153081	
59 PFUnA										
563.10 > 519.00	7.525	7.551	-0.026	1.000	575687	0.9755	Target=6.45	97.5	29128	
563.10 > 269.10	7.525	7.551	-0.026	1.000	85565		6.73(3.23-9.68)		5748	
D 60 13C7 PFUnA										
570.00 > 525.10	7.525	7.551	-0.026	1.059	1331575	1.76		88.0	89978	
61 9ClFOS										
530.80 > 351.00	7.697	7.718	-0.021	1.403	2197591	0.9295	Target=3.27	99.5	161514	
532.80 > 353.00	7.689	7.718	-0.029	1.401	698489		3.15(1.64-4.91)		51584	
62 PFNS										
548.80 > 79.90	7.793	7.816	-0.023	1.057	828499	0.7309	Target=3.46	76.0	36238	
548.80 > 98.80	7.784	7.816	-0.032	1.056	237264		3.49(1.73-5.19)		17379	
63 PFDoA										
613.10 > 569.00	7.933	7.960	-0.027		492954	1.02	Target=8.39	102	28548	
613.10 > 319.00	7.933	7.960	-0.027		59183		8.33(4.19-12.58)		4521	
D 64 PFDoA										
615.10 > 570.00	7.940	7.960	-0.020	1.118	904218	1.48		74.0	70357	
D 66 13C8 FOSA										
506.10 > 77.80	8.063	8.066	-0.003	1.093	1851983	1.38		69.2	83005	
65 PFOSA										M
498.10 > 77.90	8.063	8.074	-0.011	1.000	976887	0.9663	Target=55.40	96.6	1698	M
498.10 > 478.00	8.048	8.074	-0.027	0.998	18393		53.11(27.70-83.10)		41.2	
67 PFDS										
599.00 > 79.90	8.182	8.203	-0.021	1.110	934076	0.7433	Target=3.75	77.1	43641	
599.00 > 98.80	8.173	8.203	-0.030	1.108	256484		3.64(1.87-5.62)		20005	
68 PFTrDA										
663.00 > 619.00	8.316	8.336	-0.020	0.959	687877	0.9690	Target=4.52	96.9	53716	
663.00 > 168.90	8.308	8.336	-0.028	0.958	150532		4.57(2.26-6.78)		8797	
69 11ClFOS										
630.90 > 450.90	8.472	8.495	-0.022	1.544	1826261	0.7985	Target=3.74	84.6	97806	
632.90 > 452.90	8.472	8.495	-0.022	1.544	495349		3.69(1.87-5.61)		35062	
70 PFTeDA										
713.10 > 168.90	8.661	8.689	-0.028	0.999	145869	1.04	Target=1.81	104	9226	
713.10 > 219.00	8.661	8.689	-0.028	0.999	83782		1.74(0.91-2.72)		5286	
D 71 13C2 PFTeDA										
715.20 > 670.00	8.672	8.689	-0.017	1.221	1047692	1.62		81.2	49714	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
72 PFDoS										
699.10 > 79.90	8.853	8.885	-0.032	1.201	1064029	0.7338	Target=4.23	75.7	19778	
699.10 > 98.80	8.853	8.885	-0.032	1.201	236052		4.51(2.12-6.35)		17860	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	8.994	8.998	-0.004	1.220	533184	3.52		70.5	4549	
74 N-MeFOSE-M										
616.10 > 58.90	9.013	9.016	-0.003	1.002	565071	4.58		91.6	1276	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.095	9.099	-0.004	1.233	291770	0.9884		49.4	23030	
76 NMeFOSA										
511.90 > 219.00	9.104	9.107	-0.003	1.001	162188	1.00	Target=0.56	99.8	589	
511.90 > 169.00	9.095	9.107	-0.012	1.000	288907		0.56(0.28-0.85)		498	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.216	9.224	-0.008	1.250	634049	3.35		67.0	2800	
78 N-EtFOSE-M										
630.00 > 58.90	9.229	9.237	-0.008	1.001	710701	4.78		95.5	196243	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.304	9.299	0.005	1.262	335629	1.02		50.8	15593	
80 N-EtFOSA-M										
526.00 > 219.00	9.304	9.312	-0.008	1.000	194076	0.9567	Target=0.74	95.7	799	
526.00 > 169.00	9.304	9.312	-0.008	1.000	268498		0.72(0.37-1.11)		1228	
81 Perfluorooctadecanoic acid										
913.00 > 869.00	9.518	9.535	-0.017	1.098	892755	0.6077	Target=7.31	60.8	31163	
913.00 > 169.00	9.507	9.535	-0.028	1.096	122135		7.31(3.65-10.96)		6450	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_IS_V_00233 Amount Added: 50.00 Units: uL

Report Date: 06-Mar-2025 15:56:38 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\25MAR05W-79.d

Injection Date: 06-Mar-2025 06:30:57 Instrument ID: 29347

Lims ID: LCS 410-613015/2-A

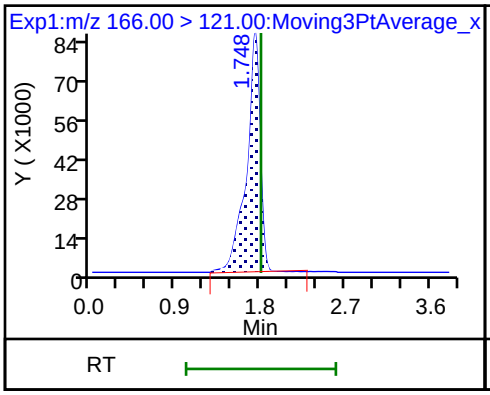
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Operator ID: US19_USR_INS00012E ALS Bottle#: 35 Worklist Smp#: 141

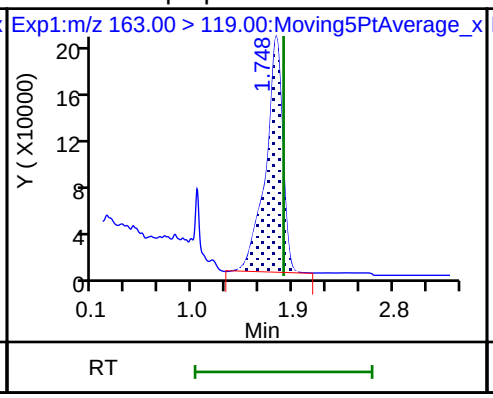
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 29347_1633Final Limit Group: LC - 1633 LVI- ICAL

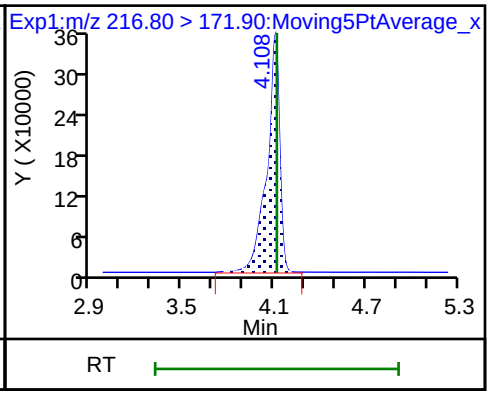
D 1 13C3PFPrA



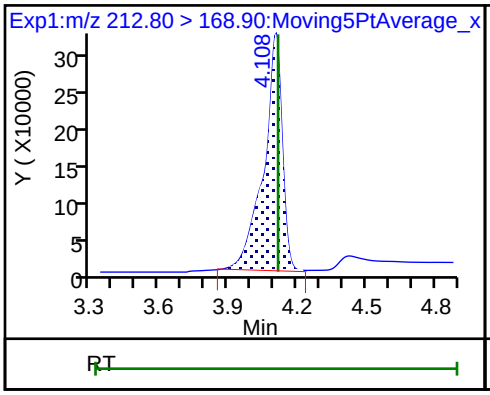
2 Perfluoropropionic acid



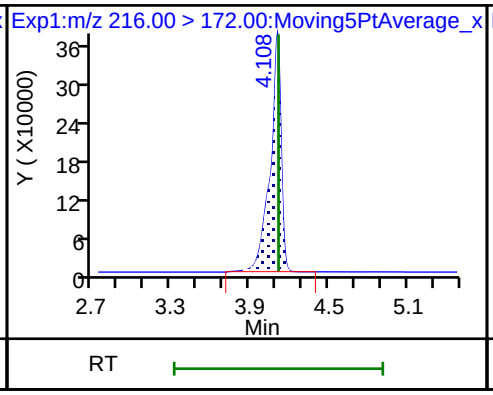
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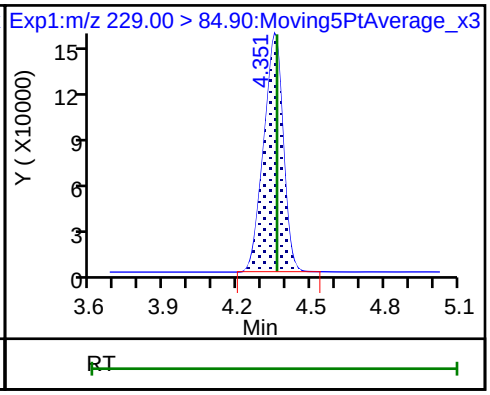
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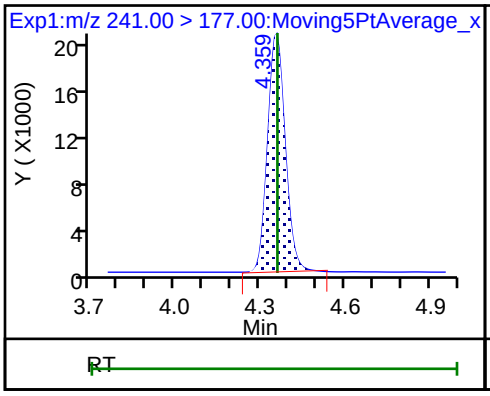
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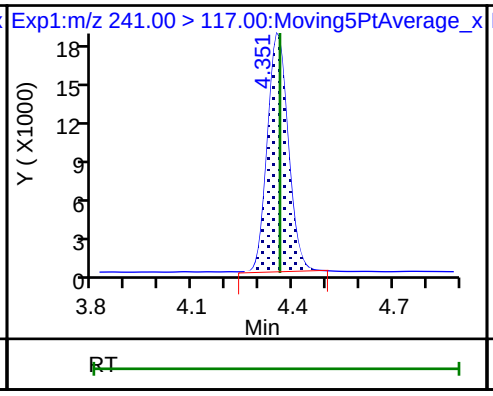
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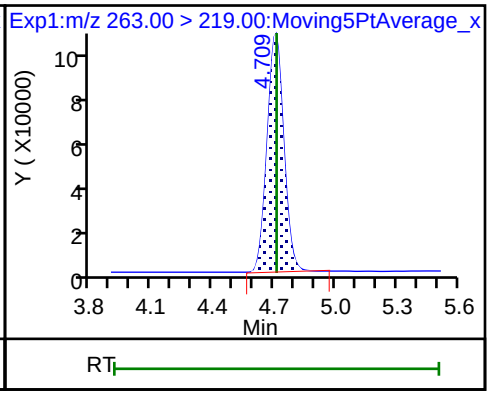
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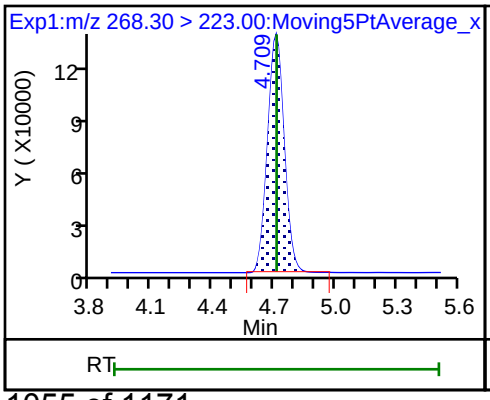
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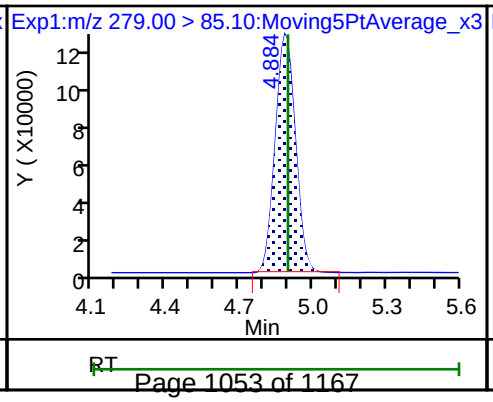
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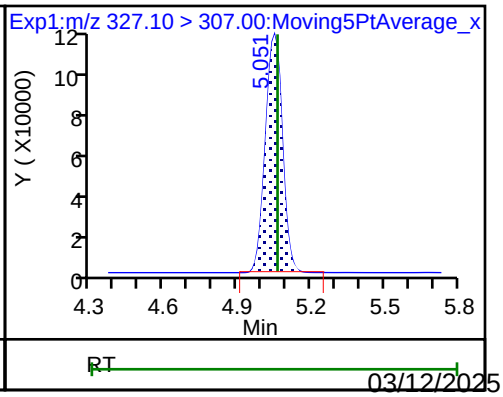
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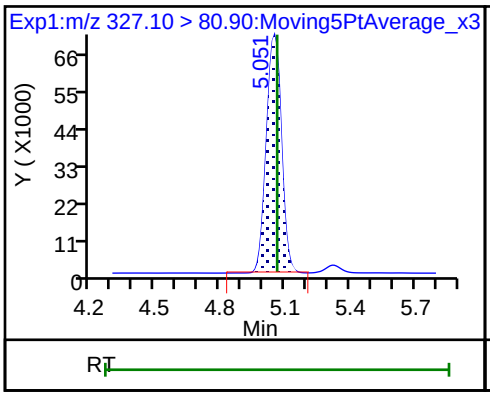
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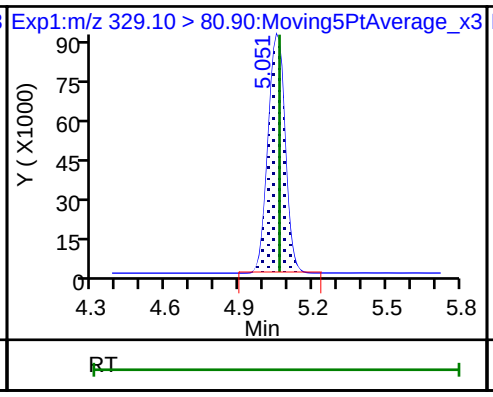
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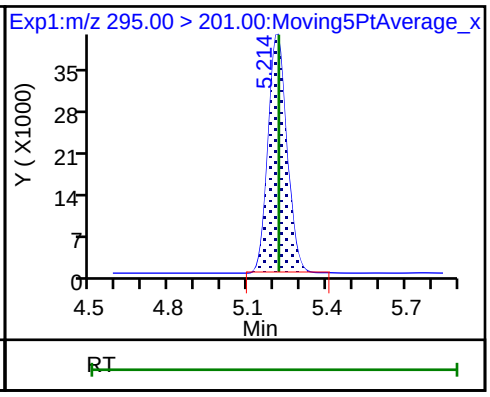
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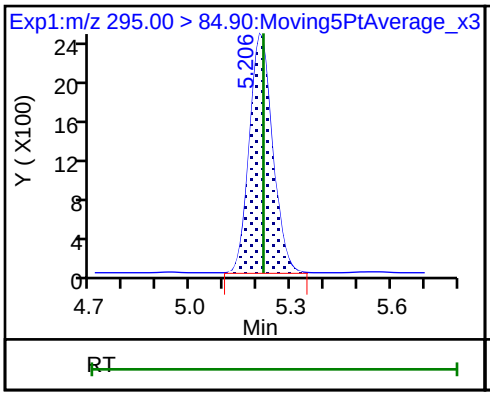
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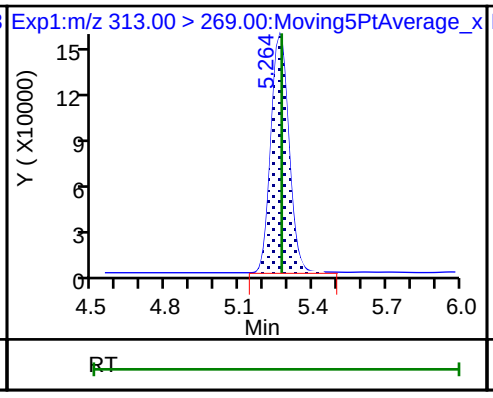
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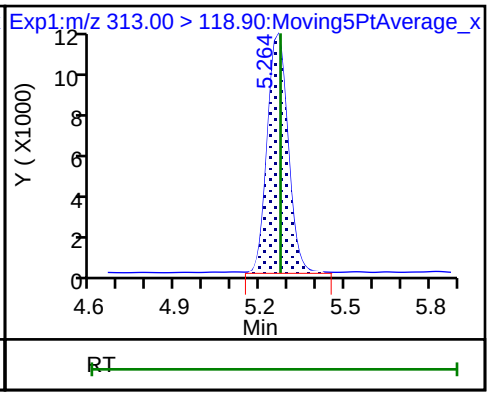
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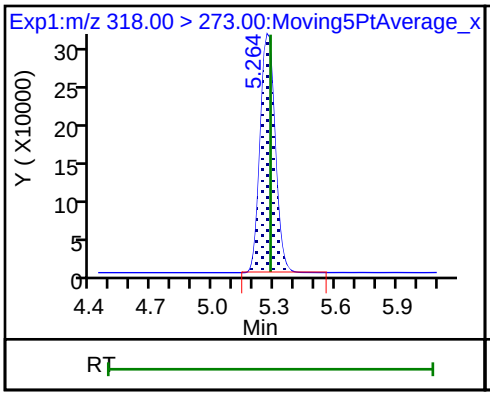
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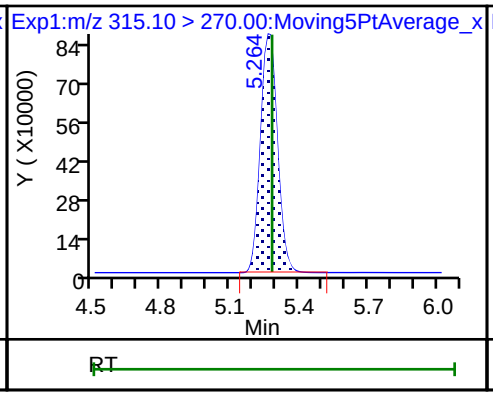
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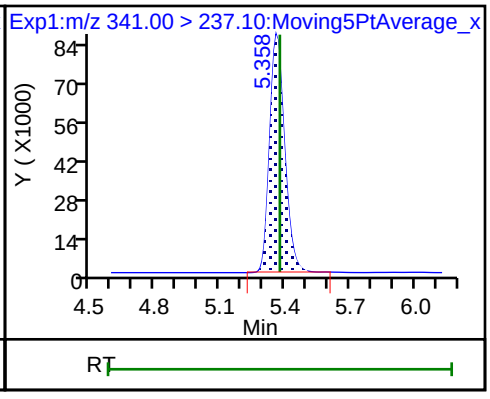
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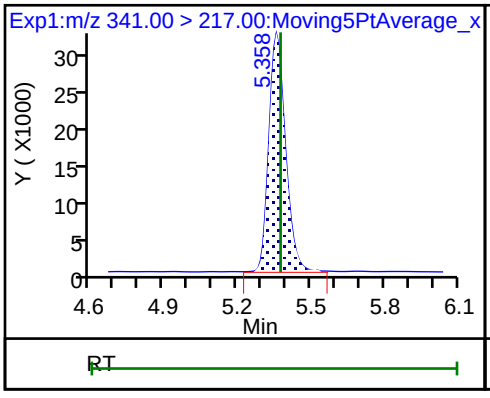
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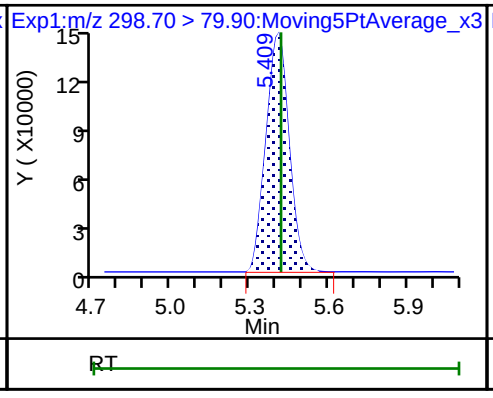
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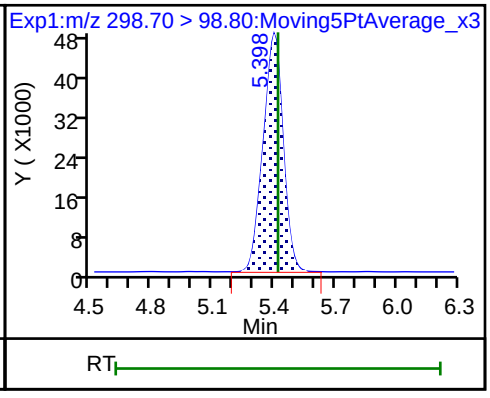
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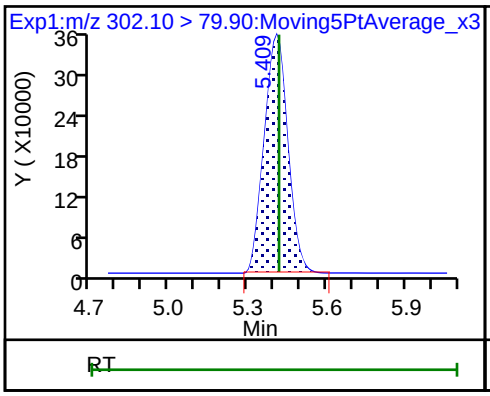
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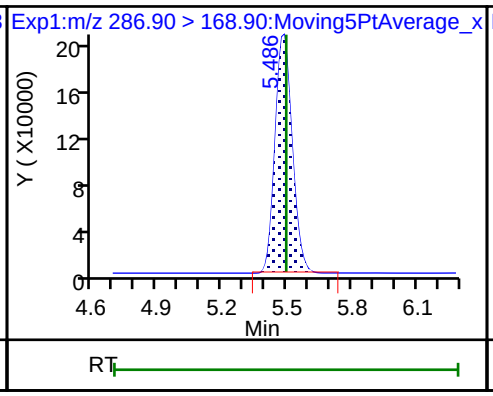
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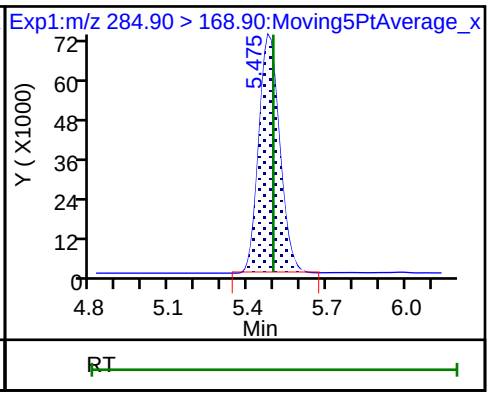
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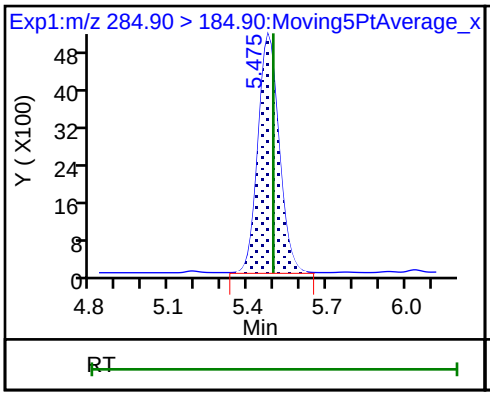
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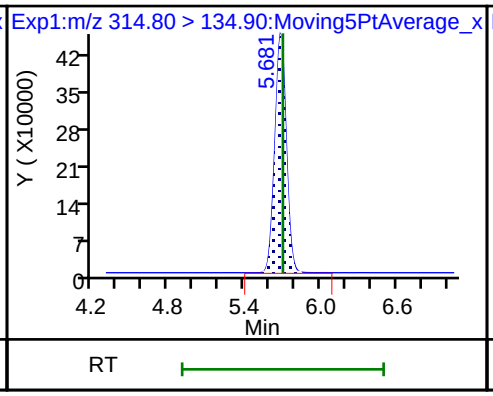
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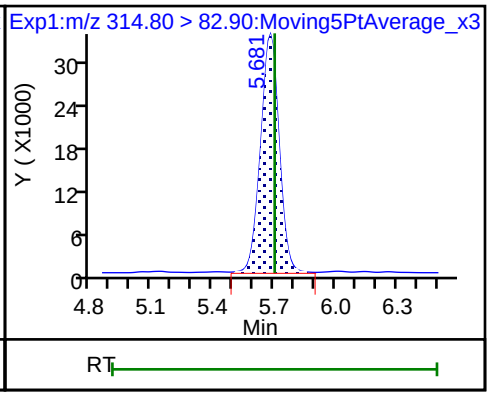
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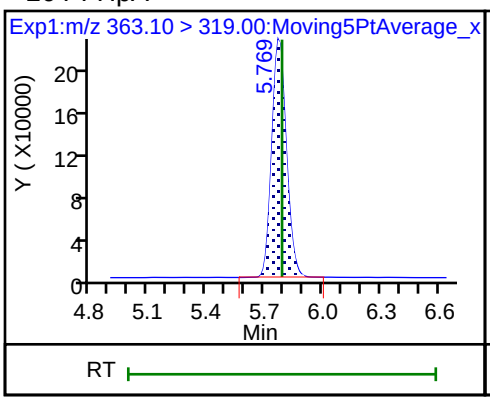
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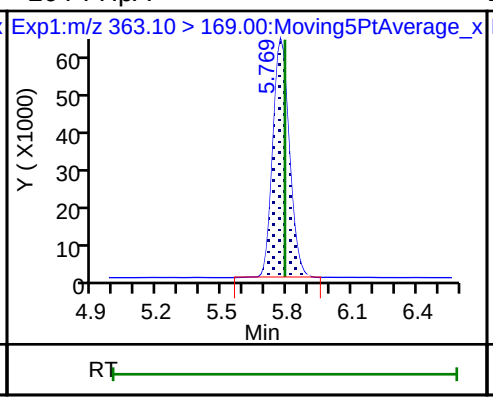
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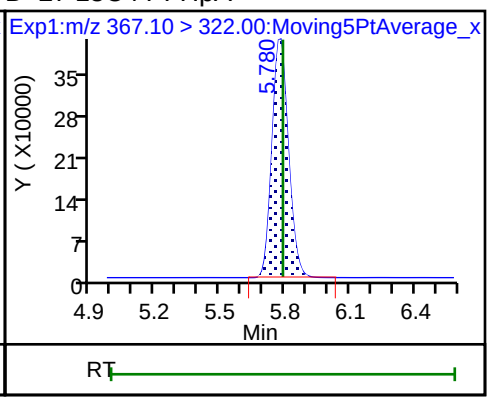
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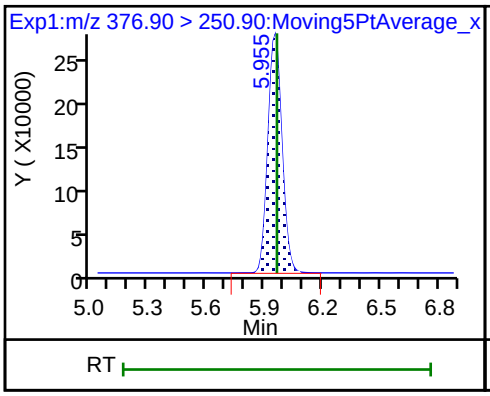
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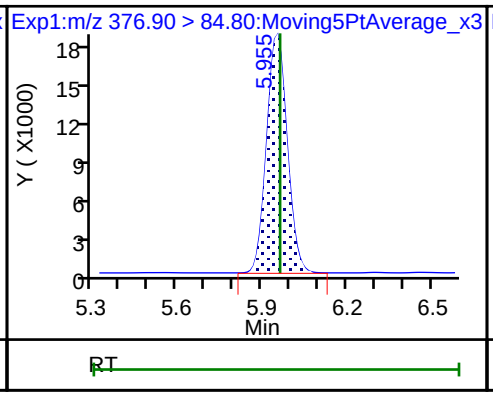
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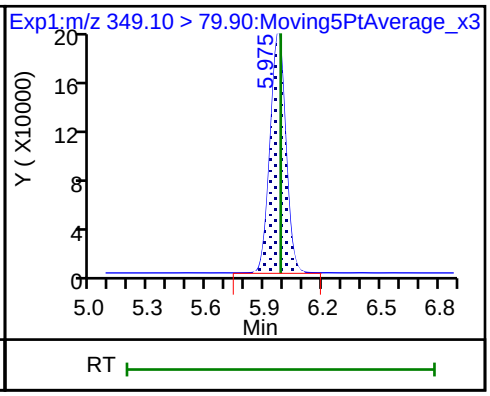
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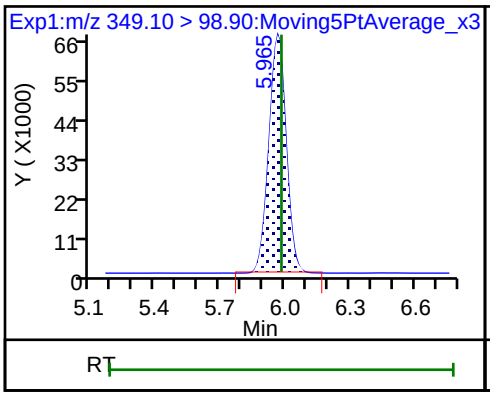
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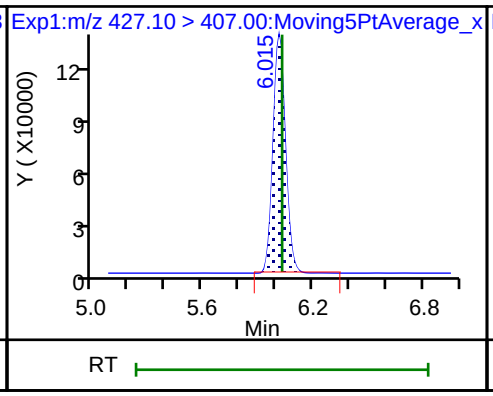
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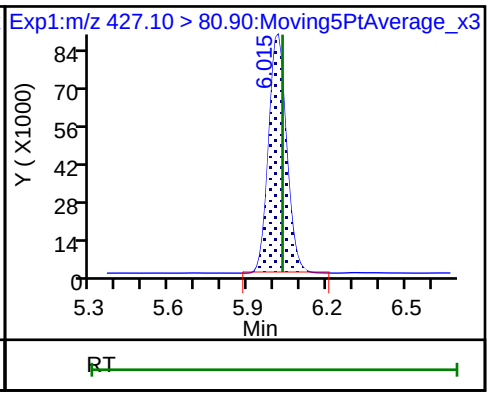
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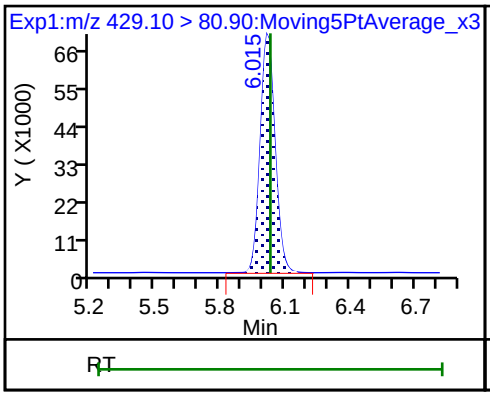
30 6:2FTS



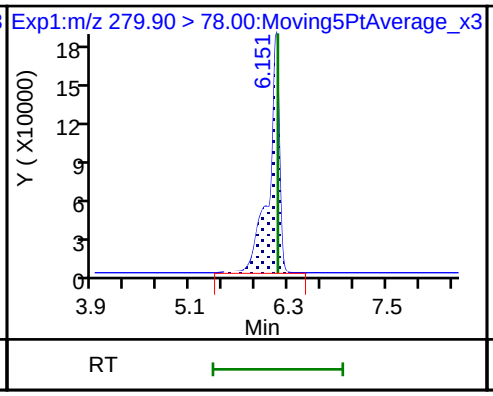
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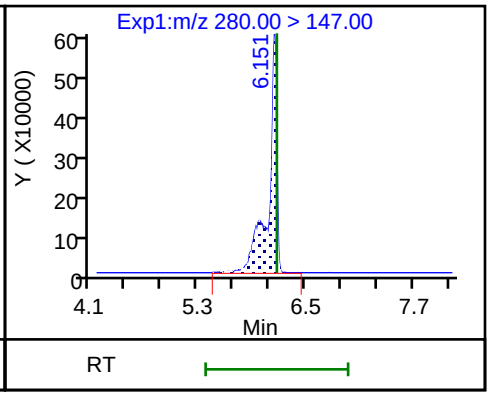
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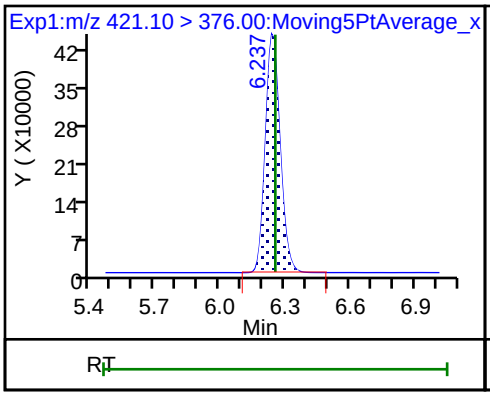
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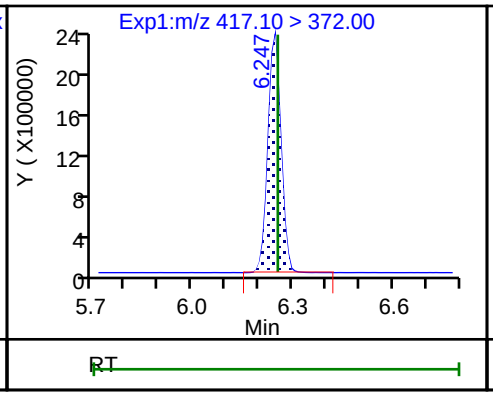
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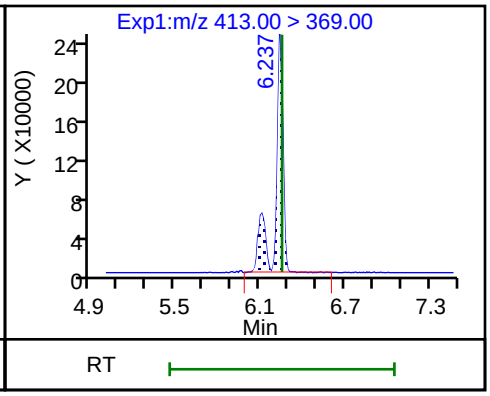
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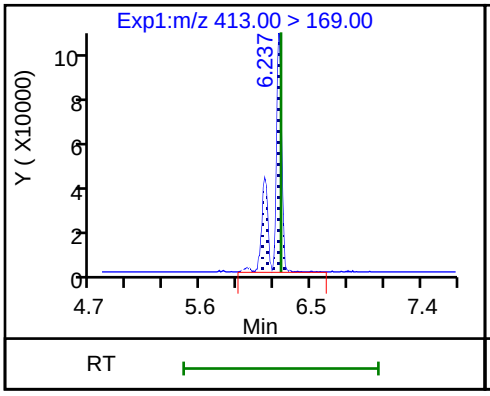
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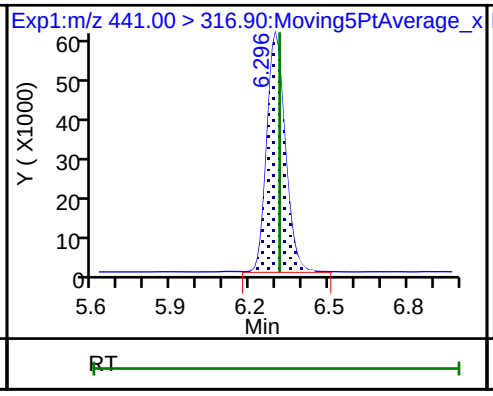
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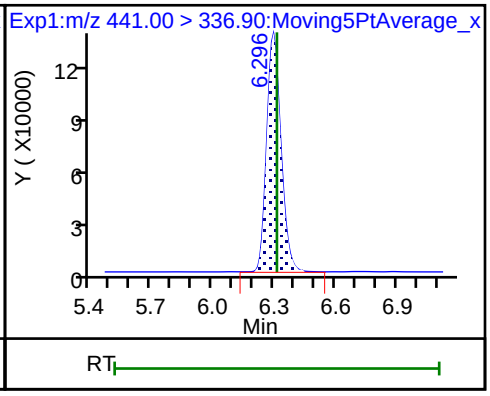
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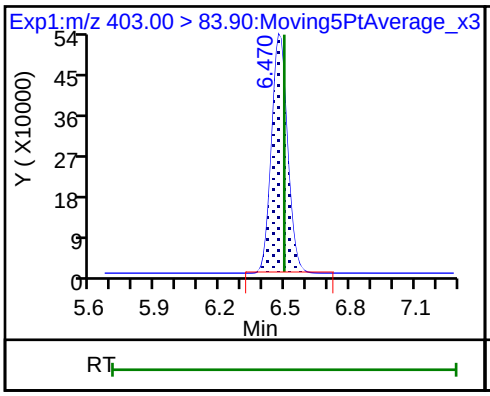
37 7:3 FTCA



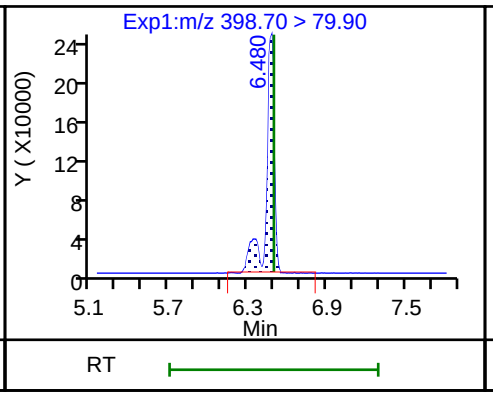
37 7:3 FTCA



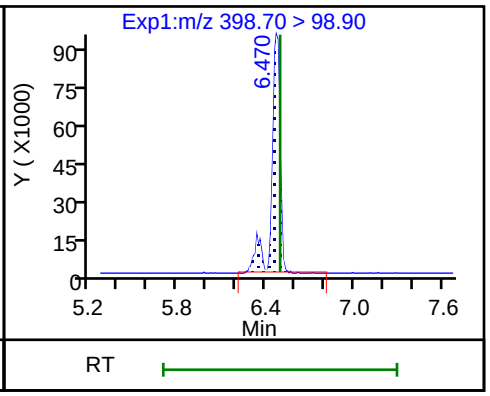
* 38 18O2 PFHxS



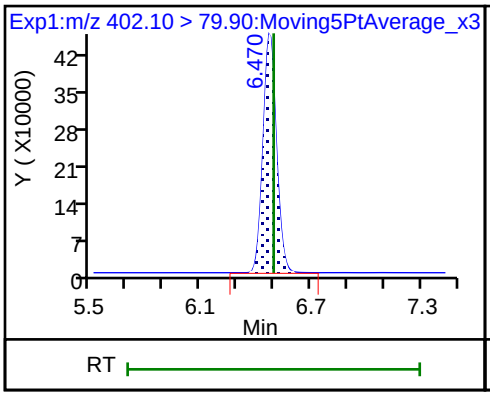
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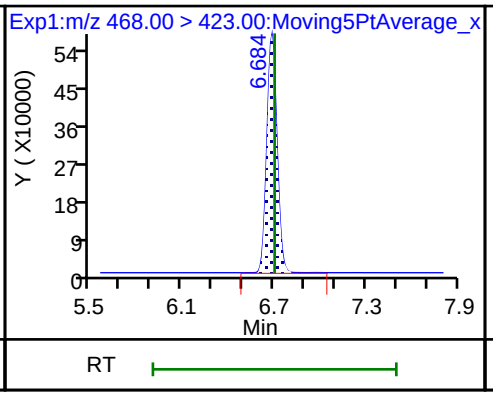
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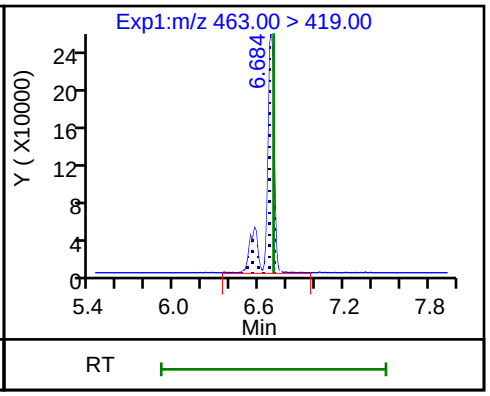
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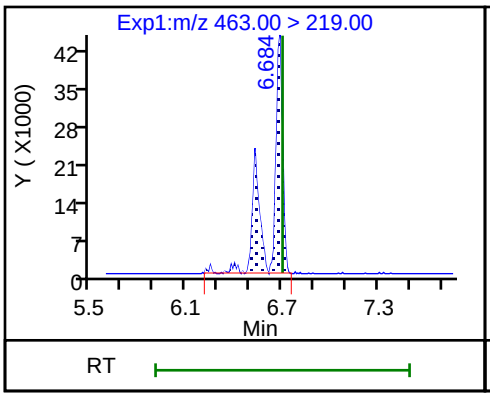
* 43 13C5 PFNA



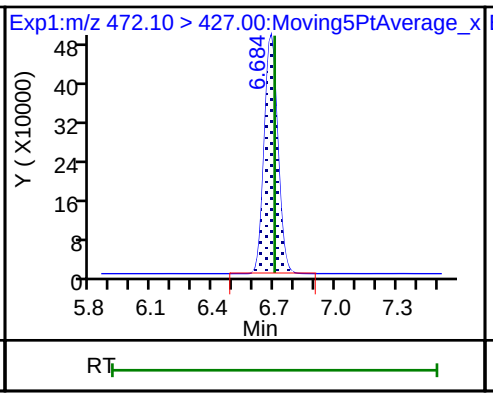
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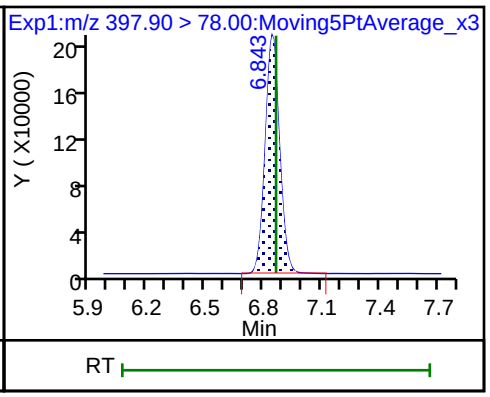
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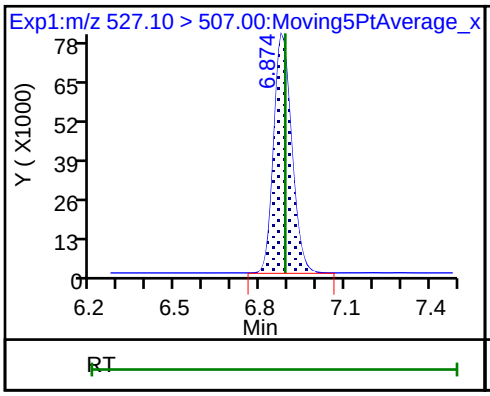
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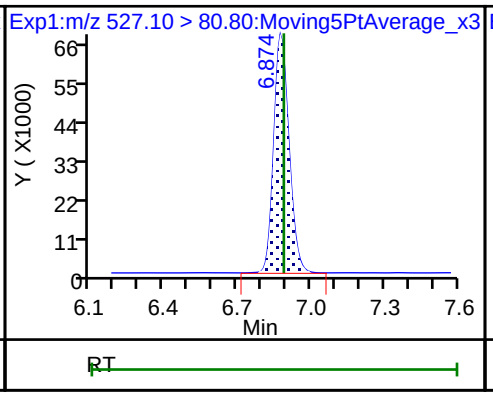
48 FHxSA



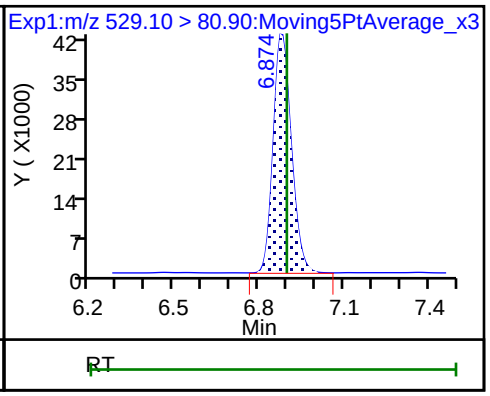
44 8:2FTS



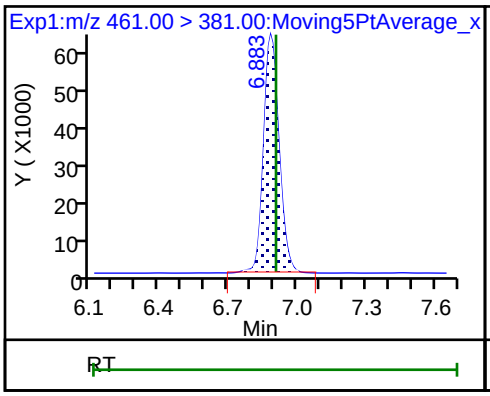
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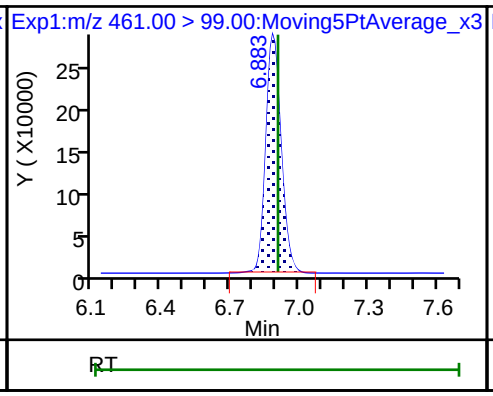
D 45 13C2-8:2FTS



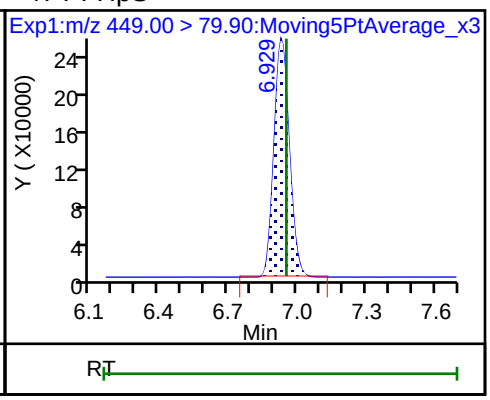
46 PFECHS



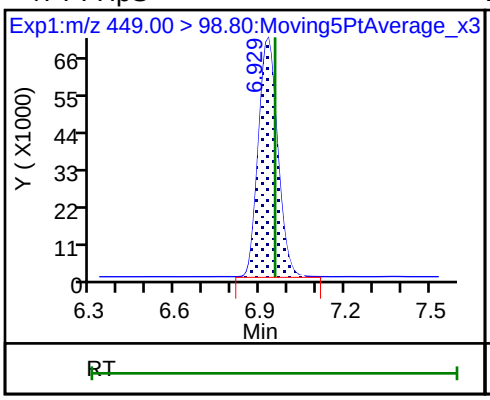
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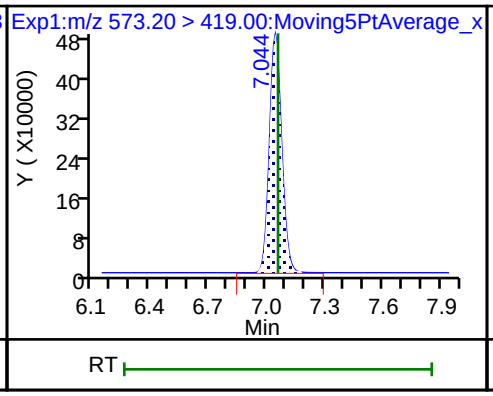
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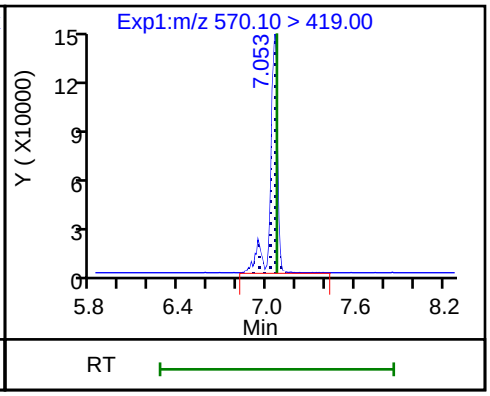
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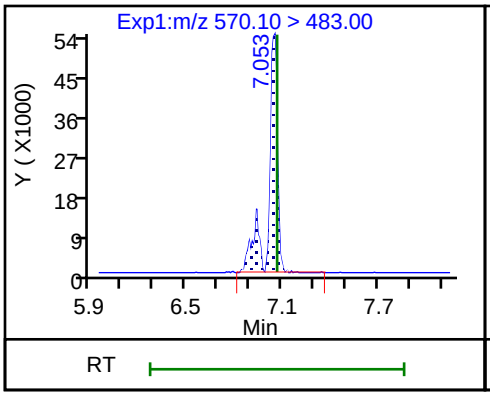
D 50 d3-NMeFOSAA



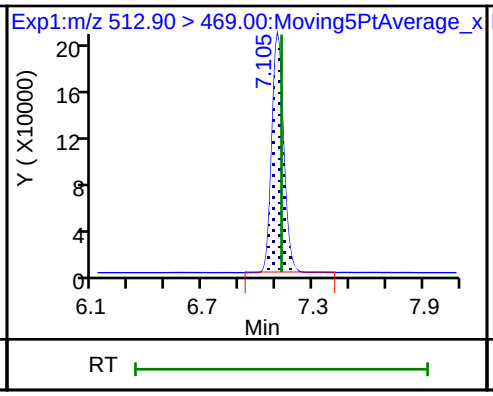
49 NMeFOSAA



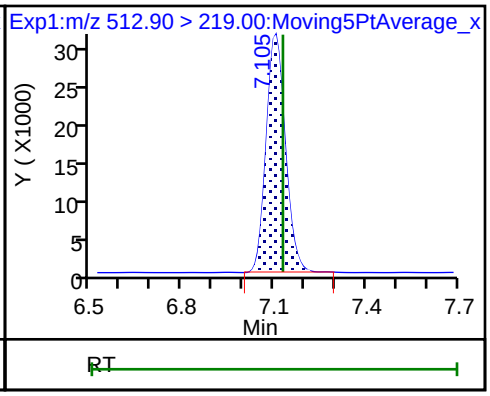
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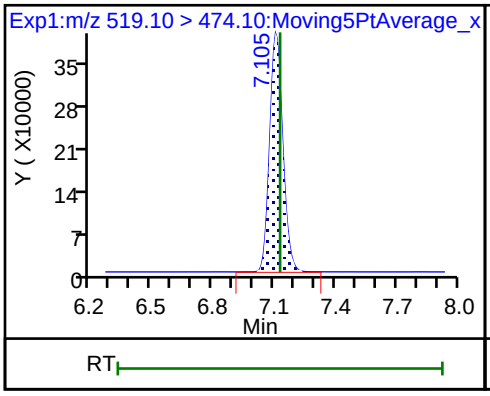
51 PFDA



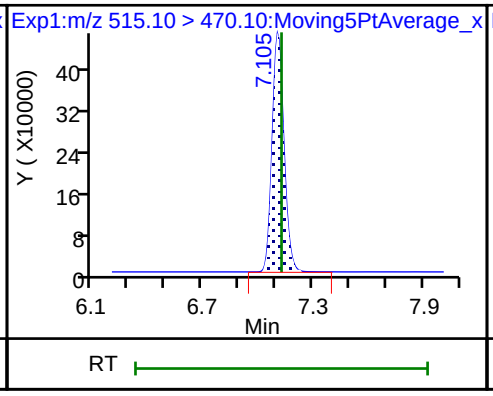
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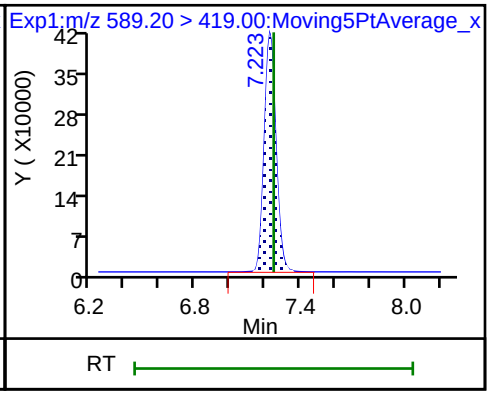
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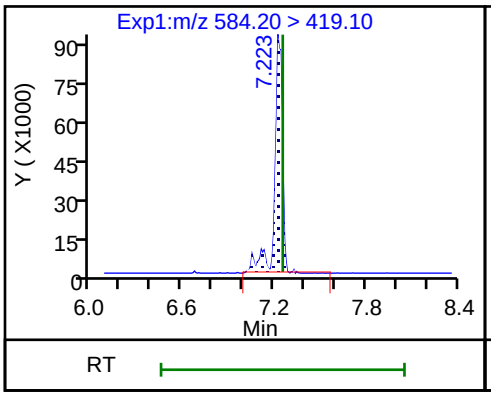
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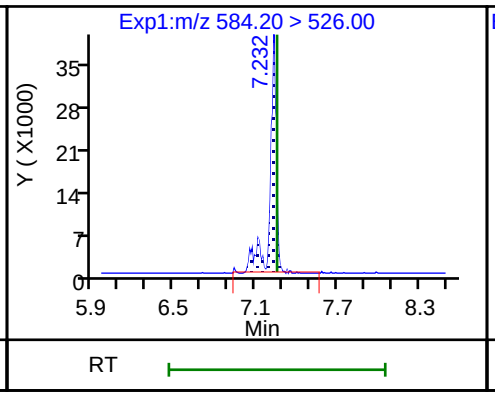
D 54 d5-NEtFOSAA



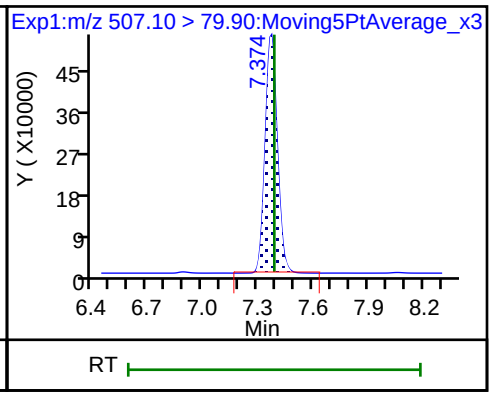
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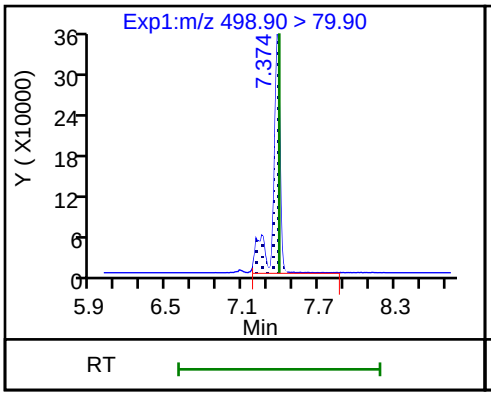
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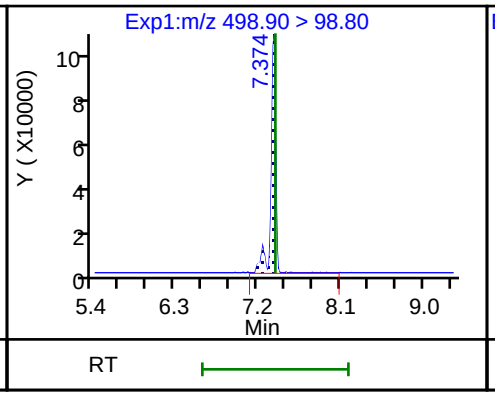
D 56 13C8 PFOS



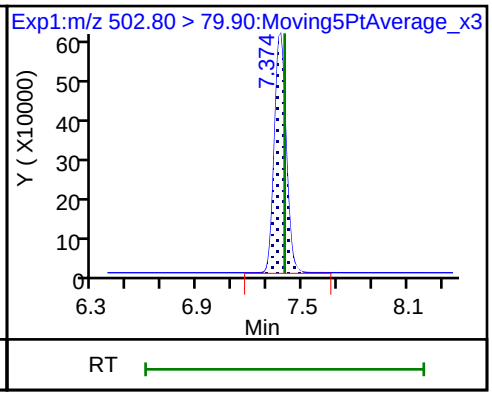
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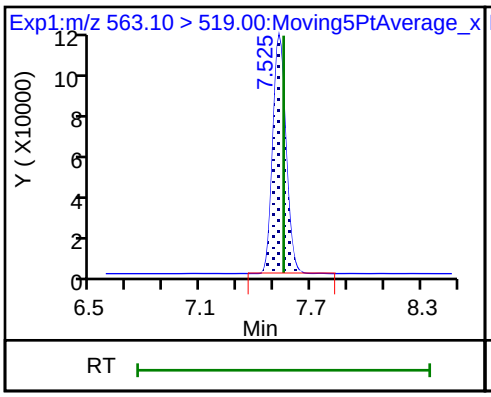
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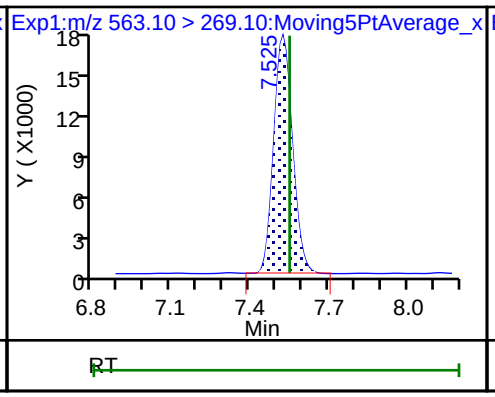
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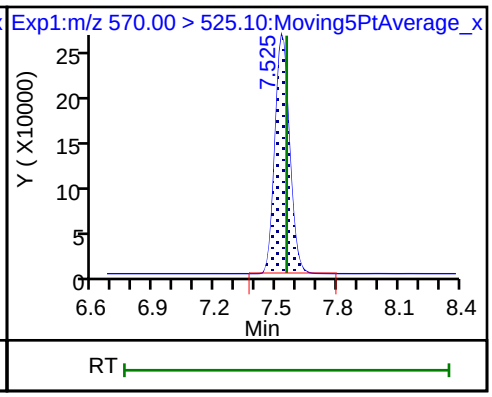
59 PFUnA



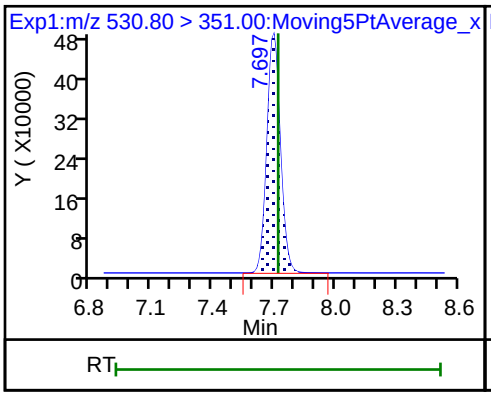
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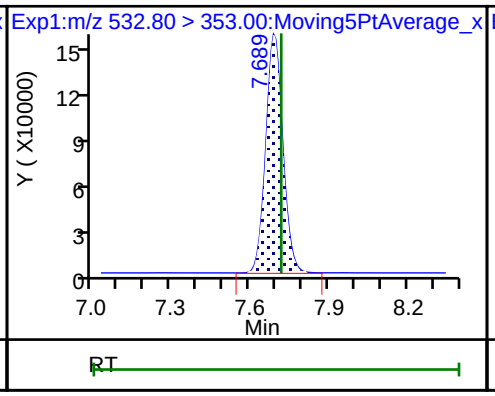
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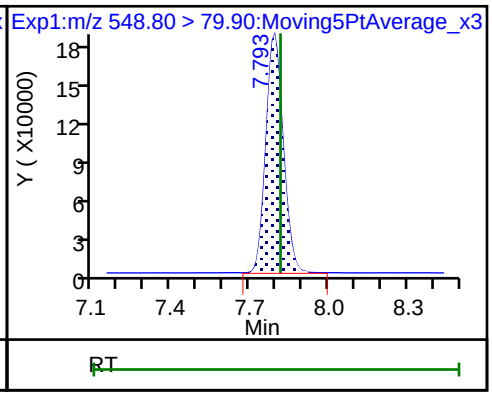
61 9ClFOS



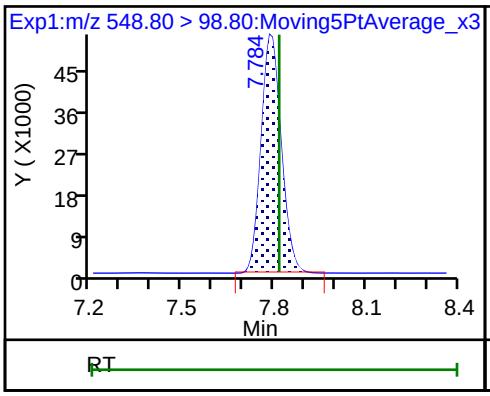
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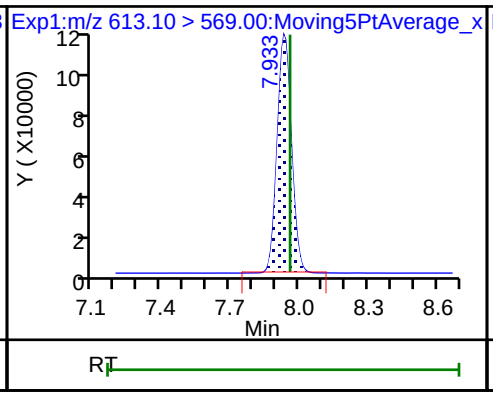
62 PFNS



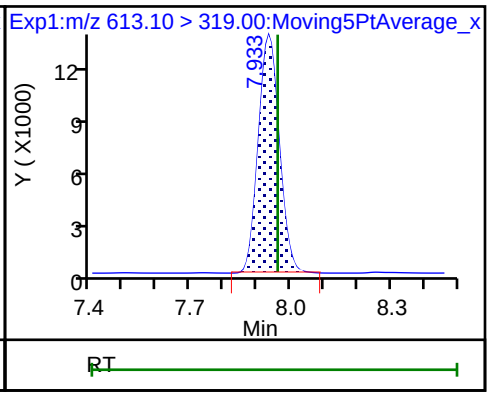
62 PFNS



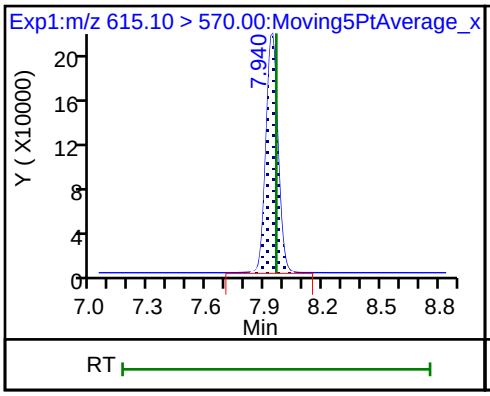
63 PFDoA



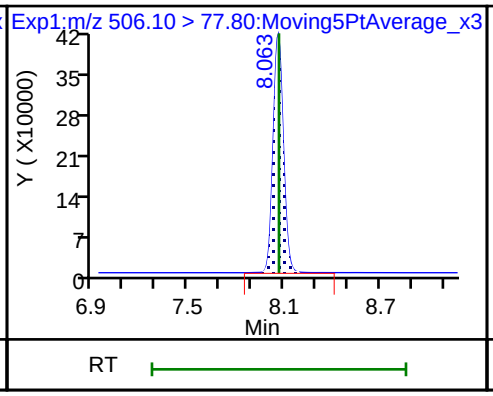
63 PFDoA



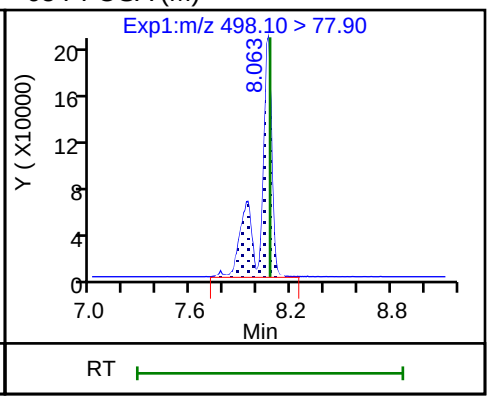
D 64 PFDoA



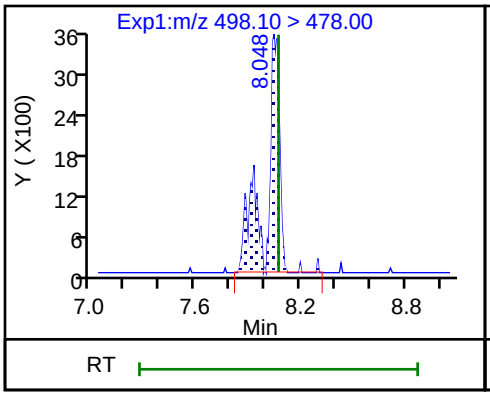
D 66 13C8 FOSA



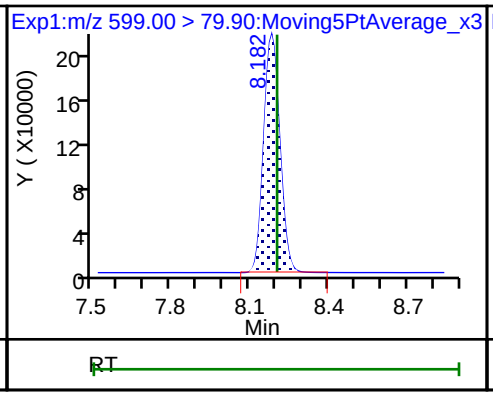
65 PFOSA (M)



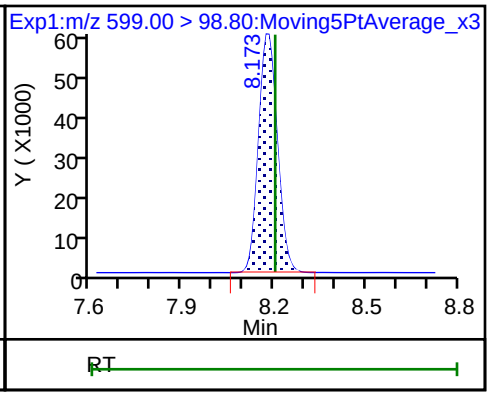
65 PFOSA



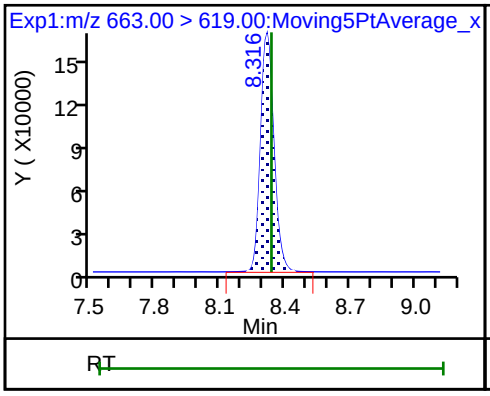
67 PFDS



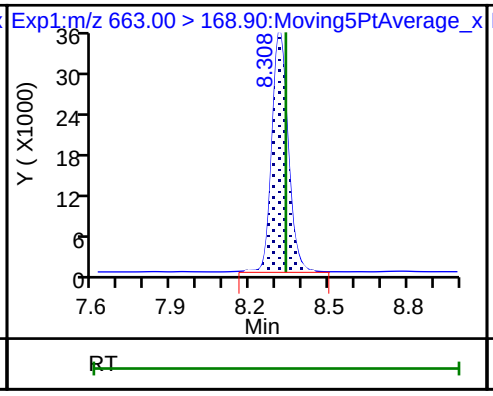
67 PFDS



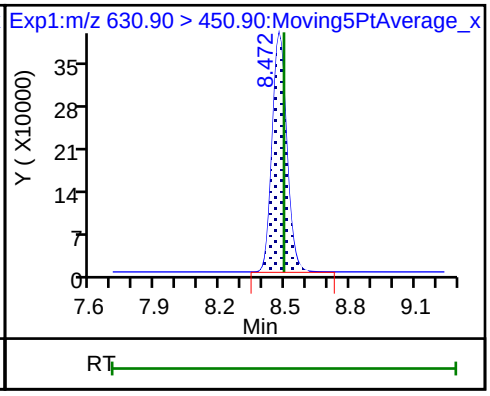
68 PFTrDA



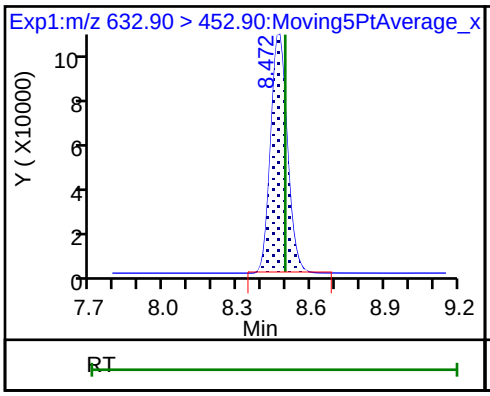
68 PFTrDA



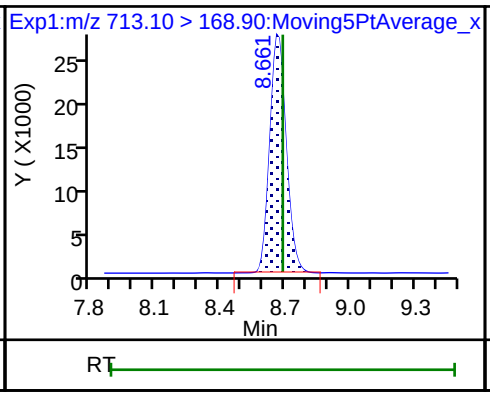
69 11ClFOS



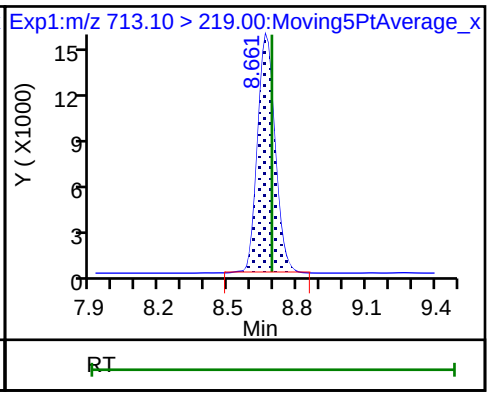
69 11ClFOS



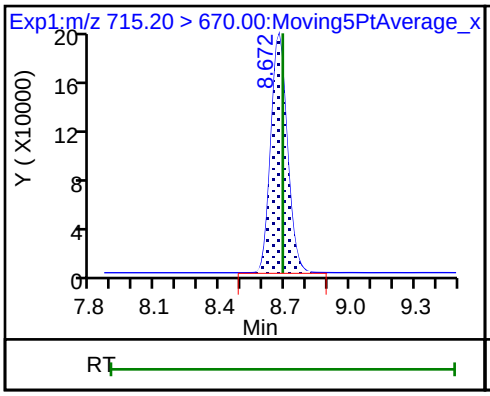
70 PFTeDA



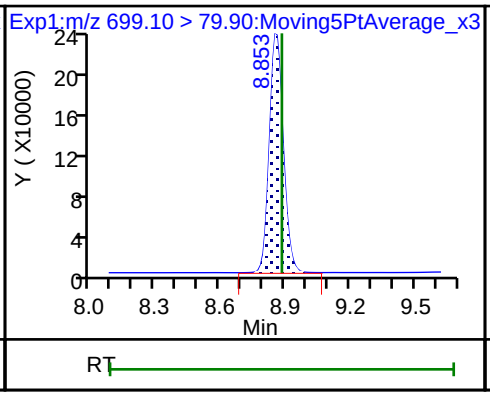
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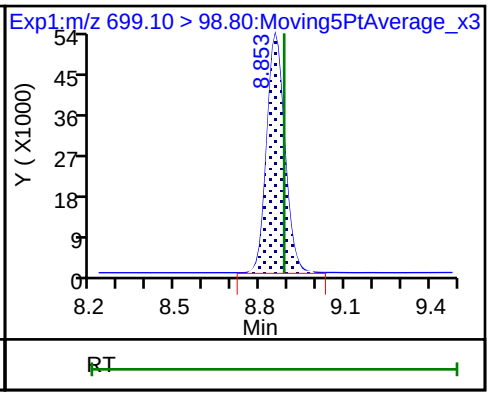
D 71 13C2 PFTeDA



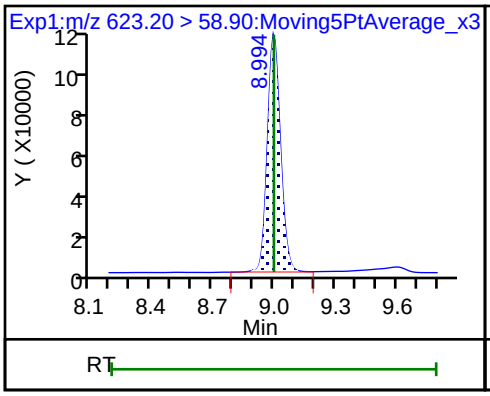
72 PFDoS



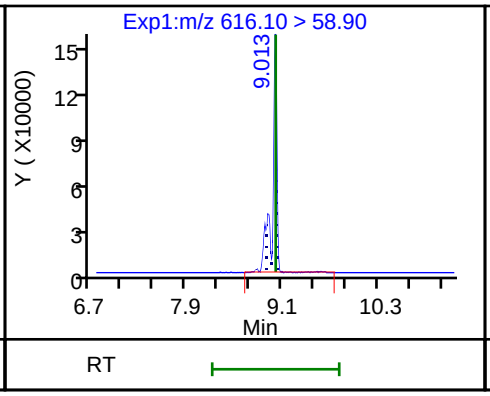
72 PFDoS



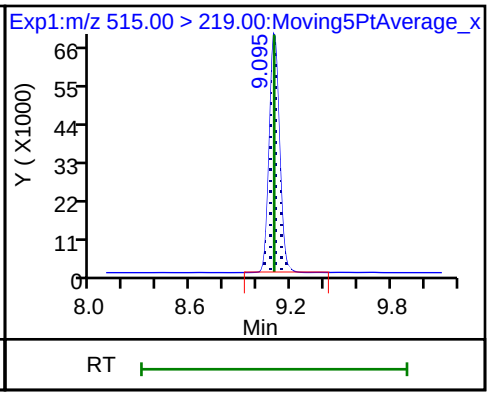
D 73 d7-N-Me-FOSE



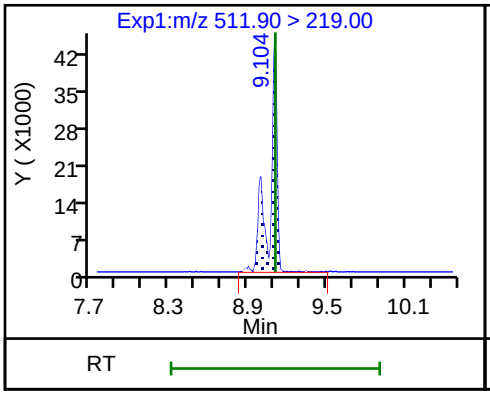
74 N-MeFOSE-M



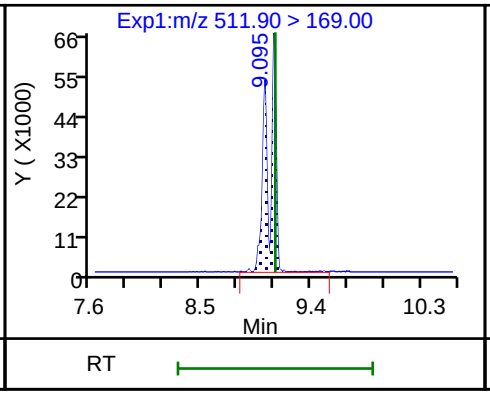
D 75 d3-NMePFOSA



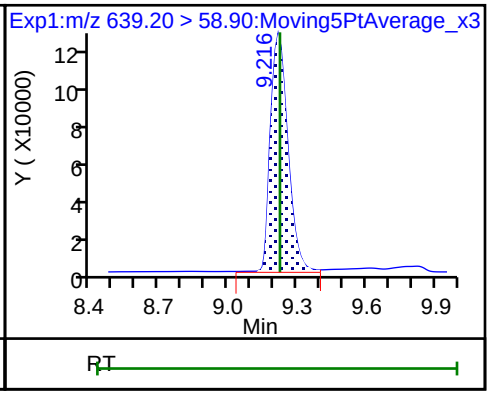
76 NMeFOSA



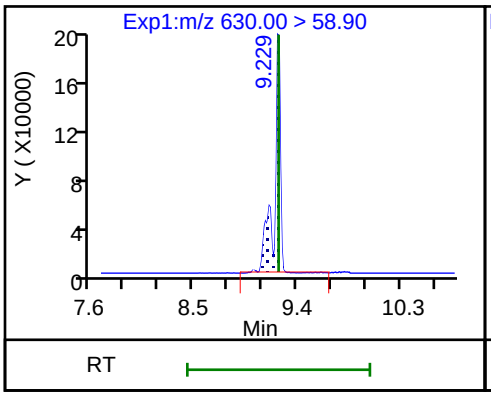
76 NMeFOSA



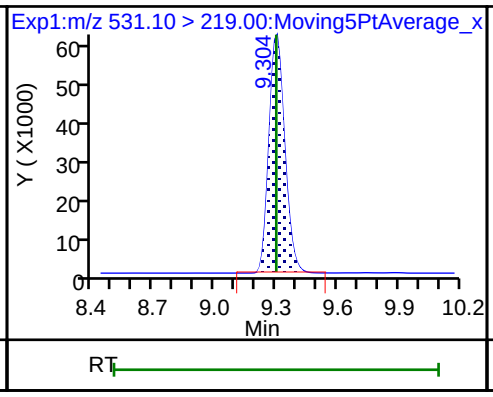
D 77 d9-N-EtFOSE



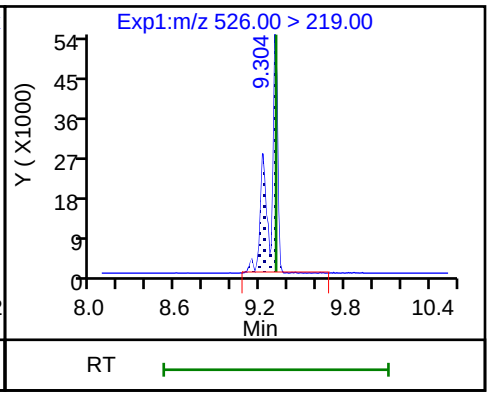
78 N-EtFOSE-M



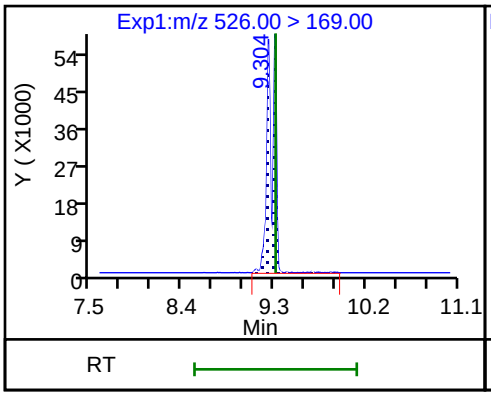
D 79 d5-NEtPFOSA



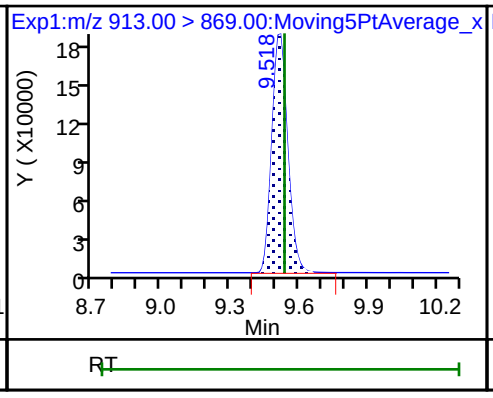
80 N-EtFOSA-M



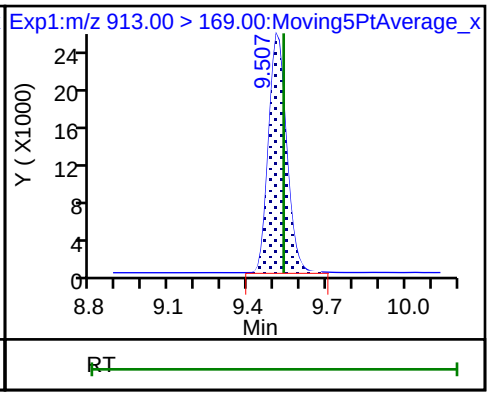
80 N-EtFOSA-M



81 Perfluorooctadecanoic acid



81 Perfluorooctadecanoic acid



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

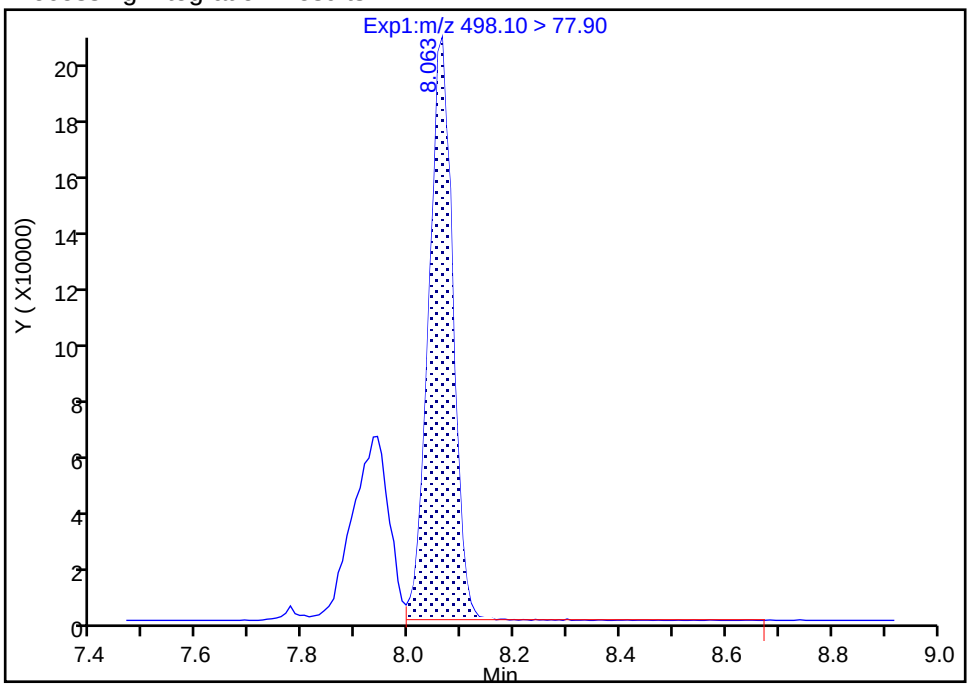
Data File: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\25MAR05W-79.d
Injection Date: 06-Mar-2025 06:30:57 Instrument ID: 29347
Lims ID: LCS 410-613015/2-A
Client ID:
Operator ID: US19_USR_INS00012E ALS Bottle#: 35 Worklist Smp#: 141
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Method: 29347_1633Final Limit Group: LC - 1633 LVI- ICAL
Column: Detector EXP1

65 PFOSA, CAS: 754-91-6

Signal: 1

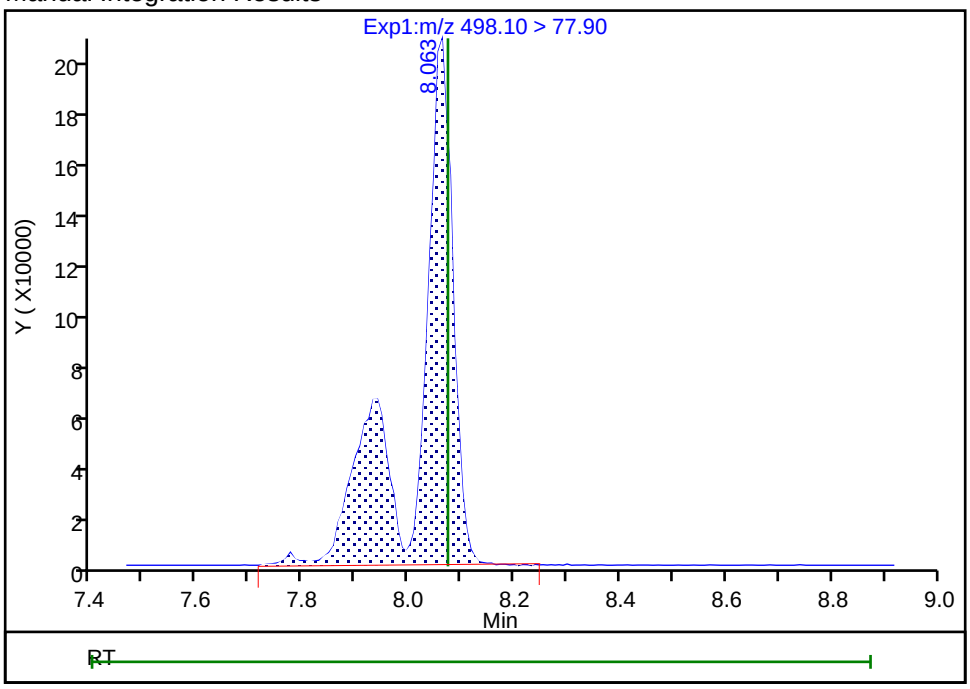
Processing Integration Results

RT: 8.06
Area: 655329
Amount: 0.648250
Amount Units: ng/ml



Manual Integration Results

RT: 8.06
Area: 976887
Amount: 0.966334
Amount Units: ng/ml



Reviewer: JU9U, 06-Mar-2025 15:49:11 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Isomers

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-613587/2-A

Matrix: Water
Lab File ID: 25MAR06-39.d

Analysis Method: 1633
Date Collected:

Extraction Method: 1633
Date Extracted: 03/06/2025 08:30

Sample wt/vol: 125(mL)
Date Analyzed: 03/07/2025 02:41

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613851
Units: ng/L

Preparation Batch No.: 613587
Instrument ID: 30729

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	73.7		4.0	1.1
2706-90-3	Perfluoropentanoic acid	35.6		2.0	0.60
307-24-4	Perfluorohexanoic acid	37.7		2.0	0.50
375-85-9	Perfluoroheptanoic acid	40.0		2.0	0.80
335-67-1	Perfluorooctanoic acid	35.5		2.0	0.90
375-95-1	Perfluorononanoic acid	37.4		2.0	0.50
335-76-2	Perfluorodecanoic acid	43.8		2.0	0.50
2058-94-8	Perfluoroundecanoic acid	35.7		2.0	0.50
307-55-1	Perfluorododecanoic acid	44.7		2.0	0.50
72629-94-8	Perfluorotridecanoic acid	37.9		2.0	0.50
376-06-7	Perfluorotetradecanoic acid	38.1		2.0	0.50
375-73-5	Perfluorobutanesulfonic acid	34.3		2.0	0.50
2706-91-4	Perfluoropentanesulfonic acid	35.8		2.0	0.50
355-46-4	Perfluorohexanesulfonic acid	31.0		2.0	0.80
375-92-8	Perfluoroheptanesulfonic acid	29.6		2.0	0.50
1763-23-1	Perfluorooctanesulfonic acid	32.0		2.0	0.50
68259-12-1	Perfluorononanesulfonic acid	31.0		2.0	0.50
335-77-3	Perfluorodecanesulfonic acid	34.1		2.0	0.50
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	26.5		2.0	0.60
757124-72-4	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	65.1		4.0	1.0
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	72.1		4.0	1.0
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	70.2		4.0	1.0
754-91-6	Perfluorooctanesulfonamide	39.3		2.0	0.50
31506-32-8	NMeFOSA	39.7		2.0	0.50
4151-50-2	N-ethylperfluoro-1-octanesulfonamide	35.7		2.0	0.50
2355-31-9	NMeFOSAA	35.5		2.0	0.50
2991-50-6	NEtFOSAA	38.1		2.0	0.50

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-613587/2-A

Matrix: Water
Lab File ID: 25MAR06-39.d

Analysis Method: 1633
Date Collected:

Extraction Method: 1633
Date Extracted: 03/06/2025 08:30

Sample wt/vol: 125(mL)
Date Analyzed: 03/07/2025 02:41

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613851
Units: ng/L

Preparation Batch No.: 613587
Instrument ID: 30729

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
24448-09-7	2-(N-methylperfluoro-1-octanesulfonamido) ethanol	187		10	2.5
1691-99-2	2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	181		10	2.5
13252-13-6	HFPO-DA	28.3		2.0	0.75
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	32.1		2.0	0.50
377-73-1	Perfluoro-3-methoxypropanoic acid	36.8		2.0	0.50
863090-89-5	Perfluoro(4-methoxybutanoic acid)	35.9		2.0	0.50
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid	39.0		2.0	0.50
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	47.6		2.0	0.50
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	37.0		2.0	0.50
113507-82-7	PFEESA	30.9		2.0	0.50
356-02-5	3:3 FTCA	67.4		4.0	1.0
914637-49-3	5:3 FTCA	169		10	2.8
812-70-4	7:3 FTCA	161		10	2.5

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-613587/2-A

Matrix: Water
Lab File ID: 25MAR06-39.d

Analysis Method: 1633
Date Collected:

Extraction Method: 1633
Date Extracted: 03/06/2025 08:30

Sample wt/vol: 125(mL)
Date Analyzed: 03/07/2025 02:41

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613851
Units: ng/L

Preparation Batch No.: 613587
Instrument ID: 30729

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	89.6		5-130
STL01893	13C5 PFPeA	88.7		40-130
STL02577	13C5 PFHxA	84.3		40-130
STL01892	13C4 PFHpA	91.4		40-130
STL01052	13C8 PFOA	92.7		40-130
STL02578	13C9 PFNA	115		40-130
STL02579	13C6 PFDA	97.9		40-130
STL02580	13C7 PFUnA	146	*5+	30-130
STL02116	13C2 PFTeDA	97.8		10-130
STL02337	13C3 PFBS	88.3		40-135
STL02581	13C3 PFHxS	97.1		40-130
STL01054	13C8 PFOS	91.6		40-130
STL01056	13C8 FOSA	82.9		40-130
STL02118	d3-NMeFOSAA	79.1		40-170
STL02117	d5-NEtFOSAA	81.1		25-135
STL02395	M2-4:2 FTS	89.2		40-200
STL02279	M2-6:2 FTS	93.3		40-200
STL02280	M2-8:2 FTS	95.6		40-300
STL02255	13C3 HFPO-DA	86.8		40-130
STL02277	d7-N-MeFOSE-M	66.9		10-130
STL02278	d9-N-EtFOSE-M	64.3		10-130
STL02704	d5-NEtPFOSA	52.4		10-130
STL02705	d3-NMePFOSA	51.2		10-130
STL00998	13C2 PFDoA	126		10-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR06-39.d
Lims ID: LCS 410-613587/2-A
Client ID:
Sample Type: LCS
Inject. Date: 07-Mar-2025 02:41:56 ALS Bottle#: 31 Worklist Smp#: 35
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-613587/2-A
Misc. Info.: Plate: 1 Rack: 1 410-0140106-035
Operator ID: ETUS023_USR_INS00054 Instrument ID: 30729

Method: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\30729_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 10-Mar-2025 15:13:58 Calib Date: 03-Mar-2025 20:03:32
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-08.d

Column 1 : Det: EXP1
Process Host: CTX1629

First Level Reviewer: RPU6 Date: 10-Mar-2025 15:06:57
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
1 Perfluoropropionic acid										
163.00 > 119.00	1.768	1.869	-0.101	0.995	1272789	4.79		95.7	5190	
D 2 13C3PFPrA										
166.00 > 121.00	1.776	1.869	-0.093	0.402	481442	2.01		101	193	
5 PFBA										
212.80 > 168.90	4.415	4.450	-0.035	0.998	627087	1.84		92.1	3565	
D 3 13C4-PFBA										
216.80 > 171.90	4.424	4.450	-0.026	1.000	677070	1.79		89.6	20919	
* 4 13C3PFBA										
216.00 > 172.00	4.424	4.459	-0.035		854949	2.00			197	
6 PFMPA										
229.00 > 84.90	4.764	4.786	-0.022	0.930	434275	0.9210		92.1	17976	
7 3:3 FTCA										
241.00 > 177.00	4.775	4.798	-0.023	0.933	45747	1.69	Target=1.07	84.3	2856	
241.00 > 117.00	4.775	4.798	-0.023	0.933	41592		1.10(0.53-1.60)		2611	
D 9 13C5 PFPeA										
268.30 > 223.00	5.120	5.142	-0.022	0.906	542909	1.77		88.7	33379	
10 PFPA										
263.00 > 219.00	5.131	5.142	-0.011	1.002	390365	0.8898		89.0	17929	
11 PFMBA										
279.00 > 85.10	5.308	5.330	-0.022	1.037	467291	0.8964		89.6	28787	
D 12 13C2-4:2FTS										
329.10 > 80.90	5.457	5.479	-0.022	0.807	295867	4.18		89.2	13578	
13 4:2FTS										
327.10 > 307.00	5.457	5.479	-0.022	1.000	151583	1.63	Target=1.39	87.1	9269	
327.10 > 80.90	5.457	5.479	-0.022	1.000	134951		1.12(0.69-2.08)		5014	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
15 NFDHA										
295.00 > 201.00	5.606	5.640	-0.034	0.992	239556	0.9738	Target=1.25	97.4	14077	
295.00 > 84.90	5.606	5.640	-0.034	0.992	189641		1.26(0.63-1.88)		11154	
D 16 13C5 PFHxA										
318.00 > 273.00	5.653	5.676	-0.023	1.000	838309	1.69		84.3	50048	
* 17 13C2 PFHxA										
315.10 > 270.00	5.653	5.676	-0.023		2140827	5.00			128993	
18 PFHxA										
313.00 > 269.00	5.653	5.687	-0.034	1.000	364894	0.9426	Target=10.83	94.3	21911	
313.00 > 118.90	5.653	5.687	-0.034	1.000	36294		10.05(5.41-16.24)		2240	
20 5:3 FTCA										
341.00 > 237.10	5.737	5.762	-0.025	1.015	317070	4.23	Target=0.92	84.6	18095	
341.00 > 217.00	5.737	5.762	-0.025	1.015	352103		0.90(0.46-1.37)		14994	
14 FBSA										
297.90 > 78.00	5.737	5.804	-0.067	0.991	439987	0.9513		95.1	427	
21 PFBS										
298.70 > 79.90	5.792	5.818	-0.026	1.000	271899	0.8579	Target=2.85	96.6	13742	
298.70 > 98.80	5.792	5.818	-0.026	1.000	85770		3.17(1.43-4.28)		4295	
D 19 13C3 PFBS										
302.10 > 79.90	5.792	5.818	-0.026	0.856	864098	1.65		88.3	42973	
D 23 13C3 HFPO-DA										
286.90 > 168.90	5.847	5.873	-0.026	1.034	844698	1.74		86.8	45401	
22 HFPO-DA										
284.90 > 168.90	5.847	5.887	-0.040	1.000	320578	0.7065	Target=2.51	94.2	12846	
284.90 > 184.90	5.847	5.887	-0.040	1.000	120181		2.67(1.25-3.76)		6454	
25 PFEESA										
314.80 > 134.90	6.041	6.082	-0.041	1.069	975194	0.7737	Target=10.92	86.7	49810	
314.80 > 82.90	6.041	6.082	-0.041	1.069	99090		9.84(5.46-16.39)		3851	
D 27 13C4 PFHpA										
367.10 > 322.00	6.098	6.135	-0.037	1.079	876826	1.83		91.4	48970	
28 PFHpA										
363.10 > 319.00	6.098	6.135	-0.037	1.000	400937	1.00	Target=2.23	99.9	22589	
363.10 > 169.00	6.098	6.135	-0.037	1.000	160217		2.50(1.12-3.35)		9035	
29 ADONA										
376.90 > 250.90	6.267	6.297	-0.030	1.072	868171	0.8037	Target=1.60	85.0	8380	
376.90 > 84.80	6.267	6.297	-0.030	1.072	556898		1.56(0.80-2.40)		35752	
30 PFPeS										
349.10 > 79.90	6.299	6.339	-0.040	0.931	433095	0.8950	Target=3.47	95.2	27153	
349.10 > 98.90	6.299	6.339	-0.040	0.931	123211		3.52(1.73-5.20)		7831	
32 6:2FTS										
427.10 > 407.00	6.310	6.349	-0.039	1.000	141100	1.80	Target=1.13	95.1	9341	
427.10 > 80.90	6.310	6.349	-0.039	1.000	111140		1.27(0.56-1.69)		7359	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.310	6.349	-0.039	0.933	309936	4.44		93.3	20557	
33 BTS										
280.00 > 147.00	6.466	6.525	-0.059	0.956	1060673	0.8872		90.6	43685	
D 34 13C8 PFOA										
421.10 > 376.00	6.527	6.565	-0.038	1.000	925634	1.85		92.7	63055	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 40 13C4 PFOA										
417.10 > 372.00	6.527	6.565	-0.038		2588633	5.00			106769	
35 PFOA										
413.00 > 369.00	6.527	6.575	-0.048	1.000	306864	0.8871	Target=1.69	88.7	760	
413.00 > 169.00	6.527	6.575	-0.048	1.000	190396		1.61(0.85-2.54)		305	
36 7:3 FTCA										
441.00 > 316.90	6.586	6.625	-0.039	1.165	302800	4.02	Target=0.93	80.4	19863	
441.00 > 336.90	6.586	6.625	-0.039	1.165	331446		0.91(0.46-1.39)		22005	
* 38 18O2 PFHxS										
403.00 > 83.90	6.763	6.807	-0.044		808490	1.89			47286	
D 37 13C3 PFHxS										
402.10 > 79.90	6.763	6.807	-0.044	1.000	769926	1.84		97.1	34394	
39 PFHxS										
398.70 > 79.90	6.763	6.819	-0.055	1.000	211666	0.7751	Target=3.39	85.0	836	
398.70 > 98.90	6.774	6.819	-0.044	1.002	57936		3.65(1.70-5.09)		13407	
D 41 13C9 PFNA										
472.10 > 427.00	6.941	6.999	-0.058	1.000	749352	2.30		115	44591	
* 42 13C5 PFNA										
468.00 > 423.00	6.941	6.999	-0.058		664723	2.00			39218	
43 PFNA										
463.00 > 419.00	6.953	6.999	-0.046	1.002	301253	0.9361	Target=2.10	93.6	2440	
463.00 > 219.00	6.953	6.999	-0.046	1.002	126803		2.38(1.05-3.15)		443	
D 45 13C2-8:2FTS										
529.10 > 80.90	7.134	7.191	-0.057	1.055	343871	4.59		95.6	20667	
46 8:2FTS										
527.10 > 507.00	7.134	7.191	-0.057	1.000	93919	1.75	Target=0.72	91.6	5693	
527.10 > 80.80	7.134	7.191	-0.057	1.000	131885		0.71(0.36-1.07)		8029	
44 PFECHS										
461.00 > 381.00	7.169	7.203	-0.034	1.060	94966	0.8531	Target=0.22	92.3	153	
461.00 > 99.00	7.158	7.203	-0.045	1.058	409774		0.23(0.11-0.33)		126226	
48 FHxSA										
397.90 > 78.00	7.181	7.226	-0.045	1.062	450906	0.7884		78.8	24055	
47 PFHpS										
449.00 > 79.90	7.205	7.263	-0.058	0.943	408242	0.7388	Target=3.56	77.4	23852	
449.00 > 98.80	7.205	7.263	-0.058	0.943	105132		3.88(1.78-5.34)		6159	
D 49 d3-NMeFOSAA										
573.20 > 419.00	7.291	7.357	-0.066	0.954	515179	3.95		79.1	28276	
50 NMeFOSAA										
570.10 > 419.00	7.305	7.371	-0.066	1.002	108823	0.8867	Target=1.90	88.7	249	
570.10 > 483.00	7.305	7.371	-0.066	1.002	49752		2.19(0.95-2.86)		10588	
* 51 13C2 PFDA										
515.10 > 470.10	7.373	7.426	-0.053		665446	2.00			26232	
D 52 13C6 PFDA										
519.10 > 474.10	7.360	7.426	-0.066	0.998	669815	1.96		97.9	26597	
53 PFDA										
512.90 > 469.00	7.373	7.426	-0.053	1.002	268623	1.10	Target=3.00	110	14102	
512.90 > 219.00	7.373	7.426	-0.053	1.002	84178		3.19(1.50-4.50)		4509	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.485	7.536	-0.051	0.979	462596	4.05		81.1	24710	
55 NEtFOSAA										
584.20 > 419.10	7.499	7.549	-0.050	1.002	76855	0.9514	Target=2.01	95.1	202	
584.20 > 526.00	7.499	7.549	-0.050	1.002	42393		1.81(1.01-3.02)		146	
* 57 13C4 PFOS										
502.80 > 79.90	7.642	7.714	-0.072		965511	1.91			41051	
D 56 13C8 PFOS										
507.10 > 79.90	7.642	7.714	-0.072	1.000	810938	1.75		91.8	15541	
58 PFOS										
498.90 > 79.90	7.654	7.714	-0.060	1.002	510184	0.7993	Target=4.52	86.0	1257	
498.90 > 98.80	7.642	7.714	-0.072	1.000	128905		3.96(2.26-6.78)		343	
D 59 13C7 PFUnA										
570.00 > 525.10	7.795	7.856	-0.061	1.057	795487	2.93		146	38131	
60 PFUnA										
563.10 > 519.00	7.795	7.856	-0.061	1.000	191488	0.8934	Target=2.41	89.3	12074	
563.10 > 269.10	7.795	7.856	-0.061	1.000	76817		2.49(1.20-3.61)		4871	
61 9ClFOS										
530.80 > 351.00	7.960	8.033	-0.073	1.361	727089	1.19	Target=3.28	127	50120	
532.80 > 353.00	7.960	8.033	-0.073	1.361	224240		3.24(1.64-4.92)		15511	
62 PFNS										
548.80 > 79.90	8.055	8.124	-0.069	1.054	406869	0.7748	Target=3.47	80.5	27694	
548.80 > 98.80	8.055	8.124	-0.069	1.054	109810		3.71(1.74-5.21)		7400	
64 PFDoA										
613.10 > 569.00	8.190	8.254	-0.064		220067	1.12	Target=2.89	112	12982	
613.10 > 319.00	8.190	8.254	-0.064		71344		3.08(1.45-4.34)		4199	
D 63 PFDoA										
615.10 > 570.00	8.178	8.254	-0.076	1.109	500925	2.52		126	29730	
D 66 13C8 FOSA										
506.10 > 77.80	8.369	8.382	-0.013	1.095	1271909	1.66		82.9	31539	
65 PFOSA										
498.10 > 77.90	8.369	8.397	-0.028	1.000	573558	0.9833	Target=73.95	98.3	1406	
498.10 > 478.00	8.384	8.397	-0.013	1.002	7510		76.37(36.97-110.92)		44.1	
67 PFDS										
599.00 > 79.90	8.415	8.487	-0.072	1.101	487277	0.8529	Target=3.95	88.5	24468	
599.00 > 98.80	8.415	8.487	-0.072	1.101	116712		4.18(1.98-5.93)		5920	
68 PFTrDA										
663.00 > 619.00	8.548	8.624	-0.076	0.964	273843	0.9484	Target=3.51	94.8	13782	
663.00 > 168.90	8.548	8.624	-0.076	0.964	82438		3.32(1.75-5.26)		4144	
69 11ClFOS										
630.90 > 450.90	8.698	8.778	-0.080	1.488	584202	0.9251	Target=3.05	98.0	30942	
632.90 > 452.90	8.698	8.778	-0.080	1.488	184674		3.16(1.52-4.57)		9883	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.870	8.955	-0.085	1.203	346944	1.96		97.8	17978	
71 PFTeDA										
713.10 > 168.90	8.870	8.955	-0.085	1.000	54858	0.9521	Target=1.07	95.2	2827	
713.10 > 219.00	8.885	8.955	-0.070	1.002	48947		1.12(0.54-1.61)		209	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
72 PFDoS										
699.10 > 79.90	9.045	9.119	-0.074	1.184	553799	0.6617	Target=4.48	68.2	29842	
699.10 > 98.80	9.045	9.119	-0.074	1.184	130480		4.24(2.24-6.72)		7022	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.156	9.146	0.010	1.198	430622	3.35		66.9	8048	
74 N-MeFOSE-M										
616.10 > 58.90	9.170	9.174	-0.004	1.002	1063172	4.66		93.3	3522	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.237	9.241	-0.004	1.209	243157	1.02		51.2	8499	
76 NMeFOSA										
511.90 > 219.00	9.250	9.241	0.009	1.001	128991	0.99	Target=0.69	99.2	741	
511.90 > 169.00	9.250	9.241	0.009	1.001	179932		0.72(0.35-1.04)		662	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.339	9.330	0.009	1.222	504045	3.21		64.3	7369	
78 N-EtFOSE-M										
630.00 > 58.90	9.364	9.355	0.009	1.003	1424114	4.52		90.4	4783	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.409	9.401	0.008	1.231	276913	1.05		52.4	13968	
80 N-EtFOSA-M										
526.00 > 219.00	9.421	9.413	0.008	1.001	148695	0.8922	Target=0.75	89.2	900	
526.00 > 169.00	9.421	9.413	0.008	1.001	197244		0.75(0.37-1.12)		924	
81 Perfluorooctadecanoic acid										
913.00 > 869.00	9.605	9.773	-0.168	1.083	169808	0.4636	Target=2.09	46.4	7969	
913.00 > 169.00	9.605	9.773	-0.168	1.083	89183		1.90(1.04-3.13)		5243	

QC Flag Legend

Processing Flags

Reagents:

1633_125_IS_V_00235 Amount Added: 50.00 Units: uL

Report Date: 10-Mar-2025 15:14:40 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR06-39.d

Injection Date: 07-Mar-2025 02:41:56 Instrument ID: 30729

Lims ID: LCS 410-613587/2-A

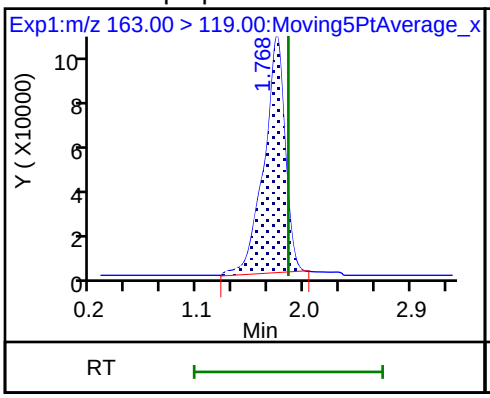
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Operator ID: ETUS023_USR_INS00054 ALS Bottle#: 31 Worklist Smp#: 35

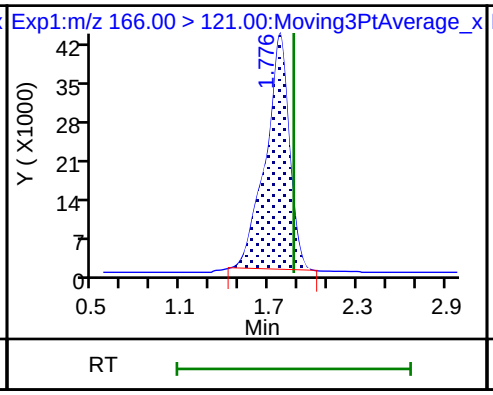
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 30729_1633Final Limit Group: LC - 1633 LVI- ICAL

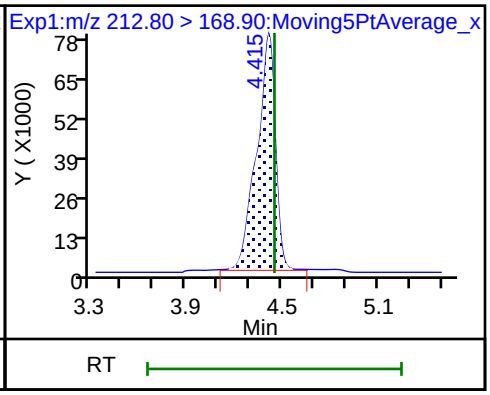
1 Perfluoropropionic acid



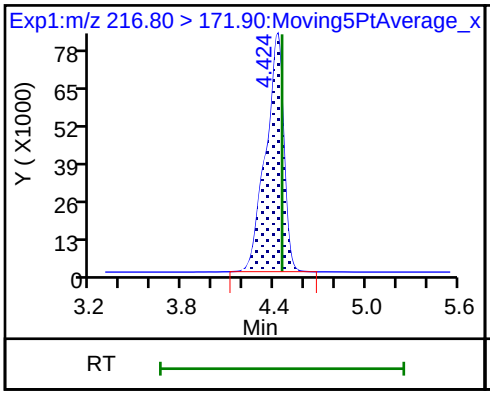
D 2 13C3PFPrA



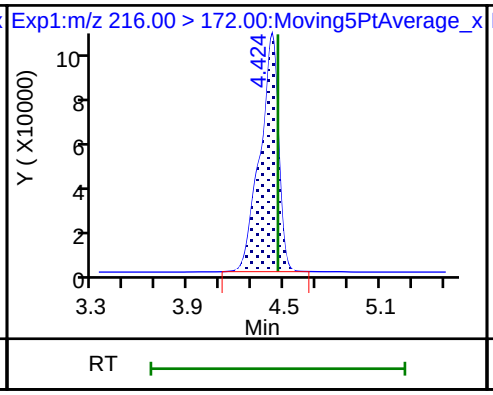
5 PFBA



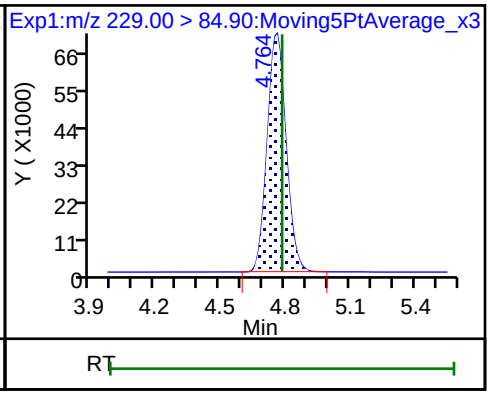
D 3 13C4-PFBA



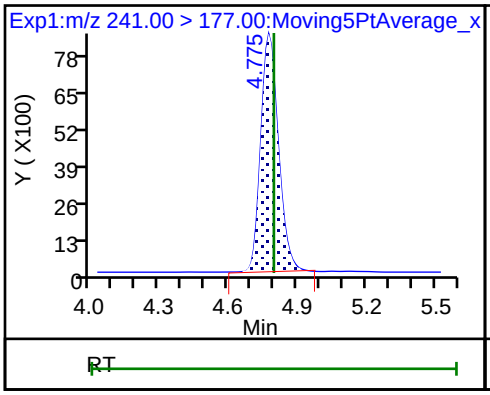
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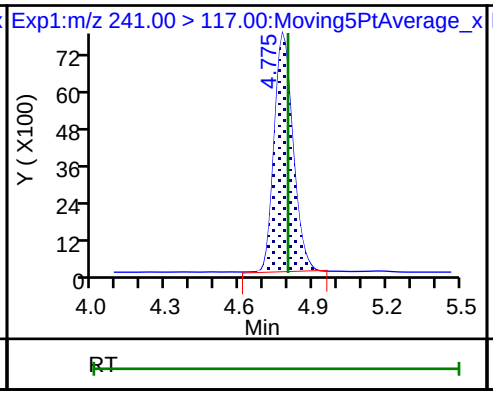
6 PFMPA



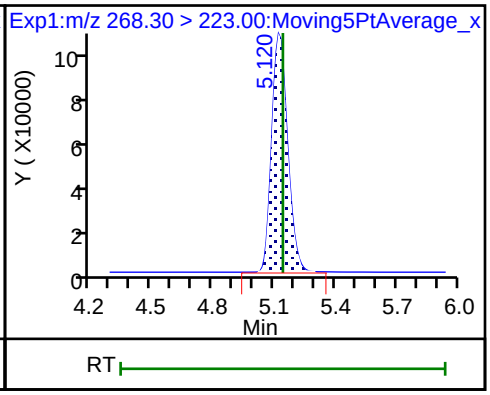
7 3:3 FTCA



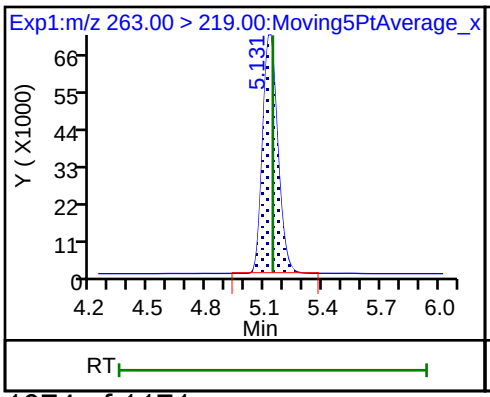
7 3:3 FTCA



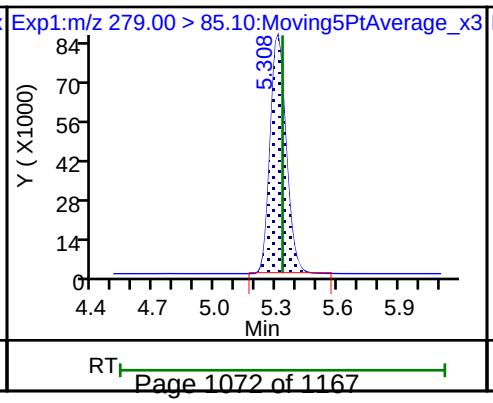
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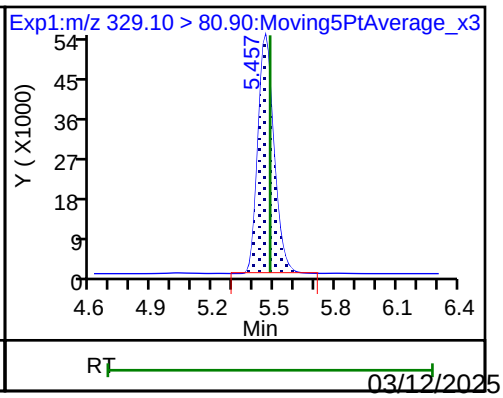
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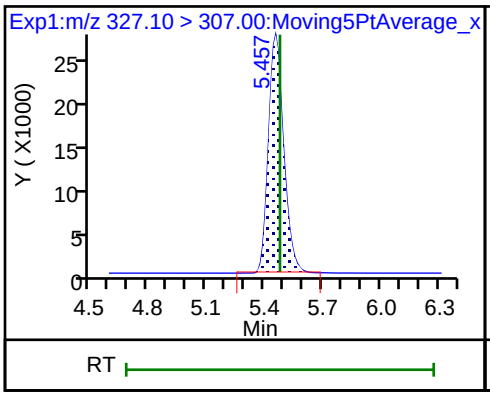
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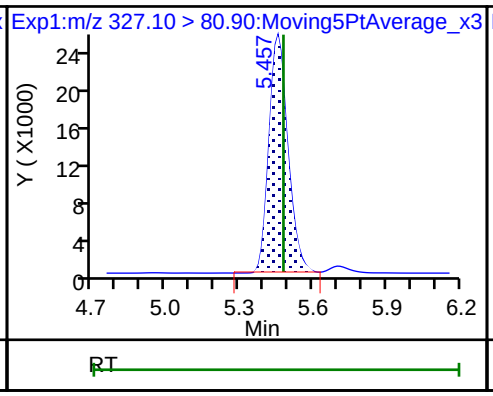
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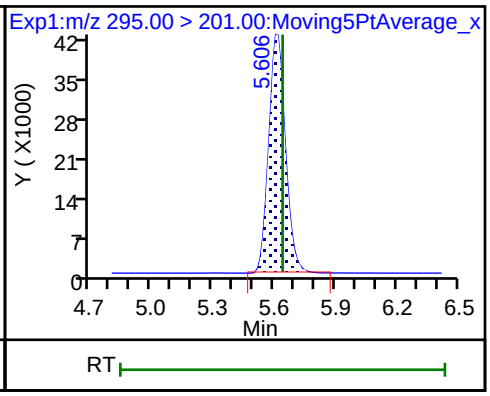
13 4:2FTS



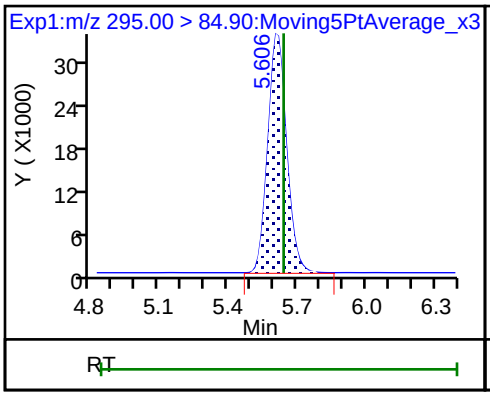
13 4:2FTS



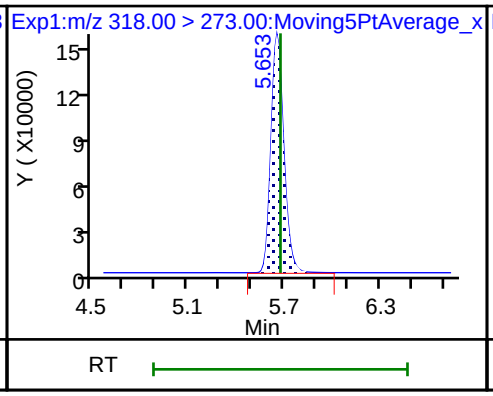
15 NFDHA



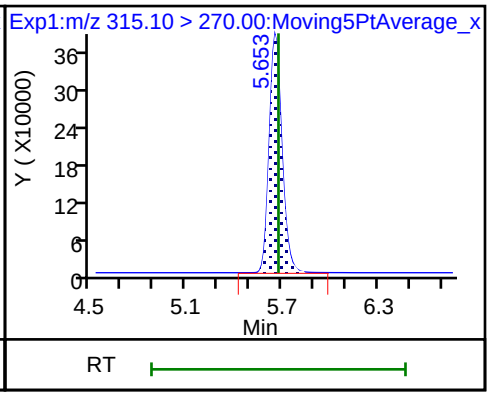
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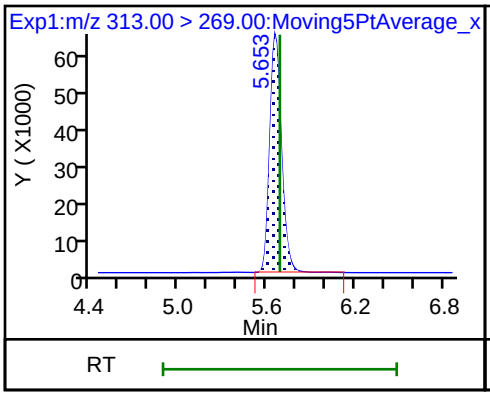
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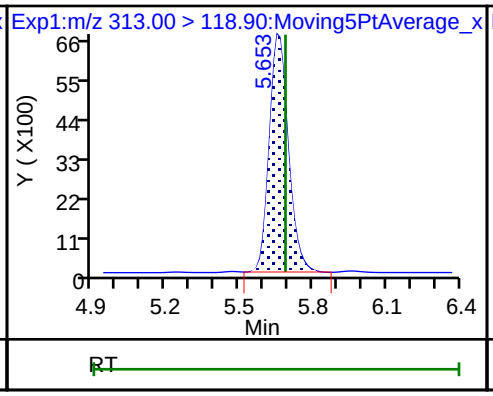
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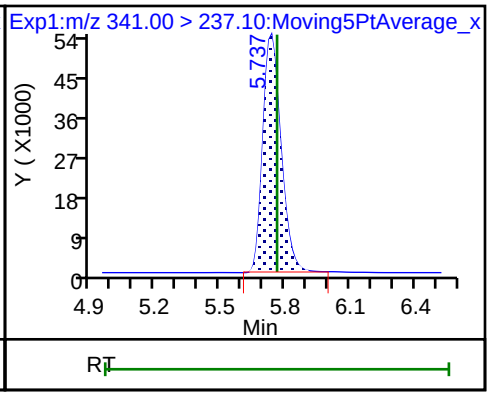
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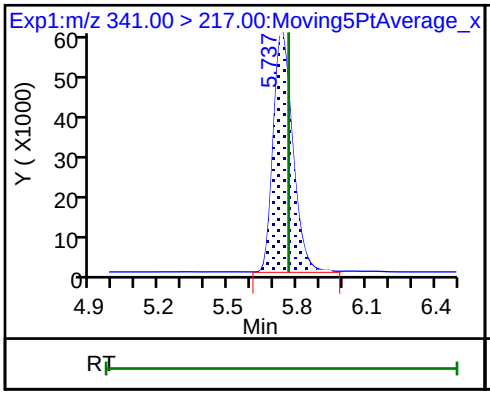
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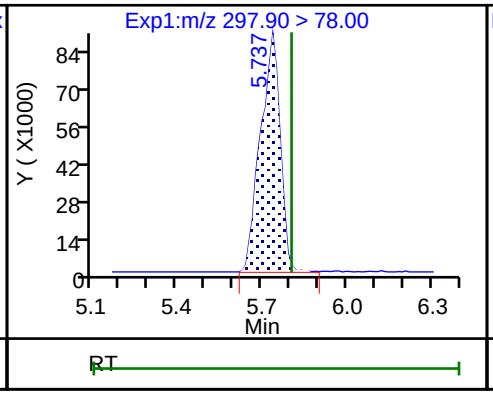
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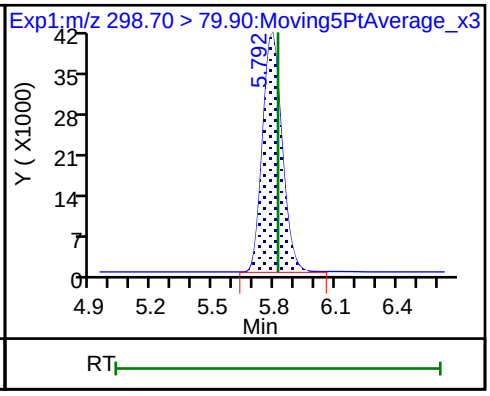
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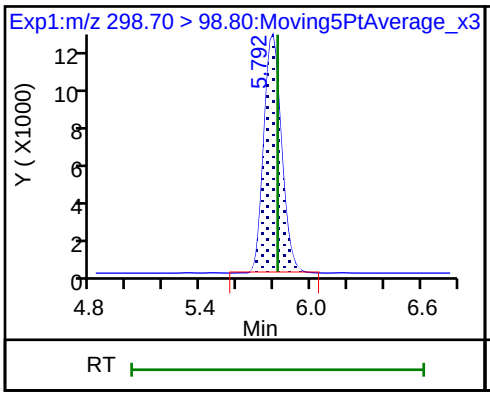
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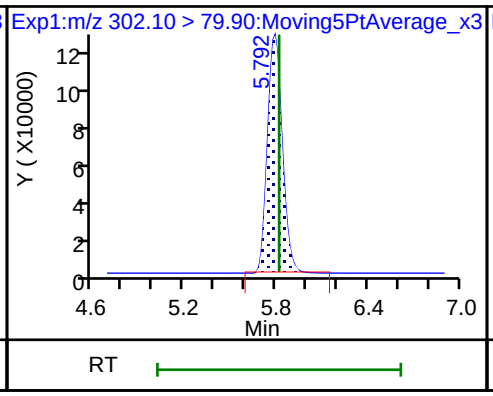
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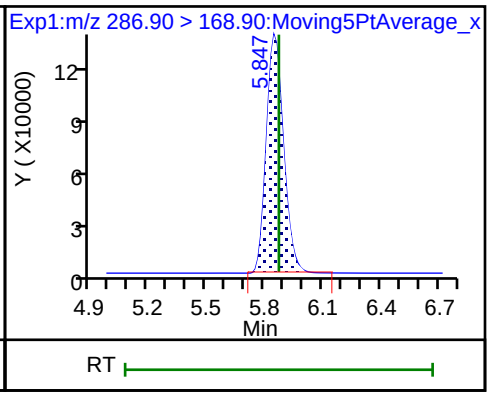
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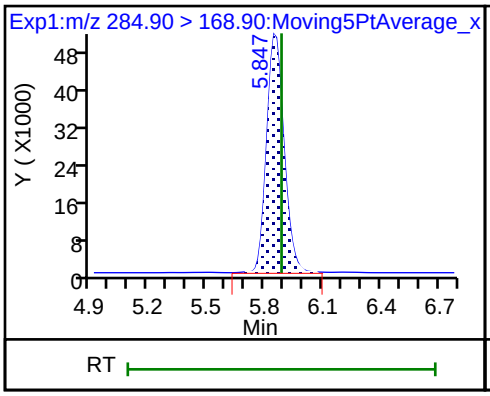
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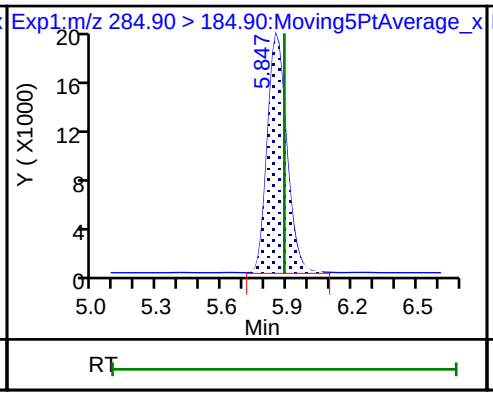
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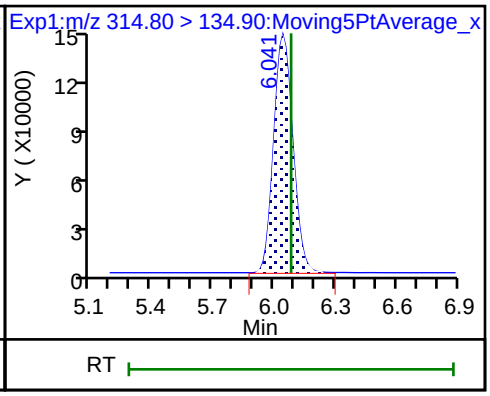
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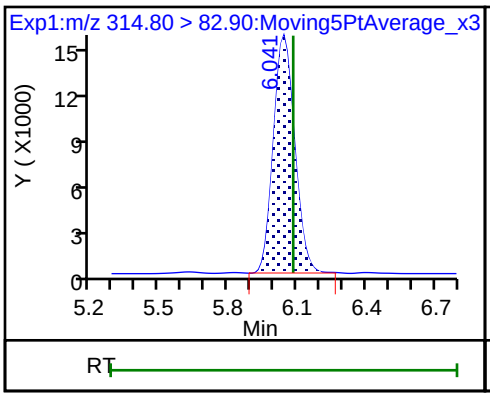
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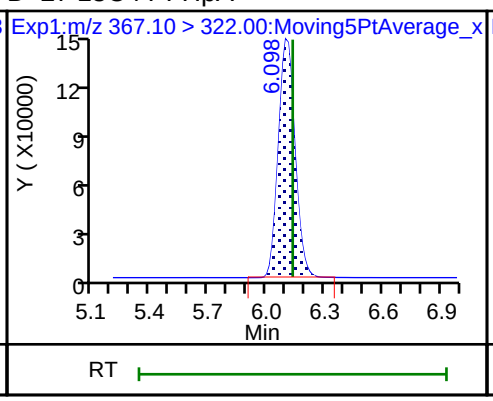
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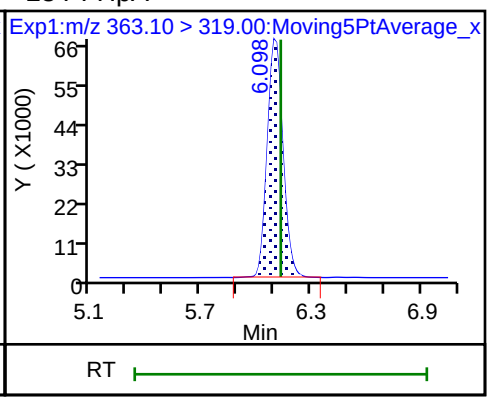
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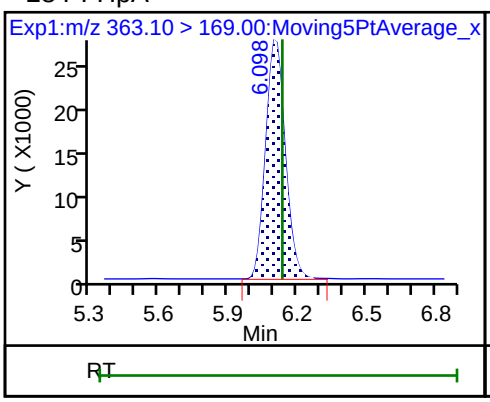
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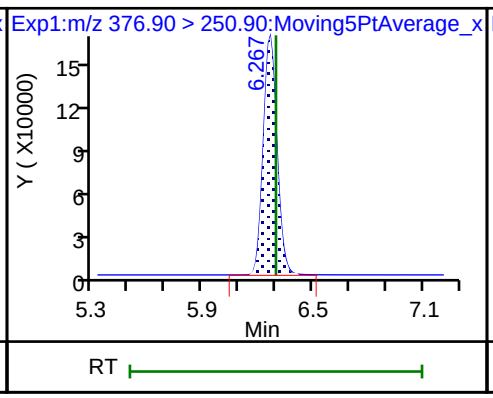
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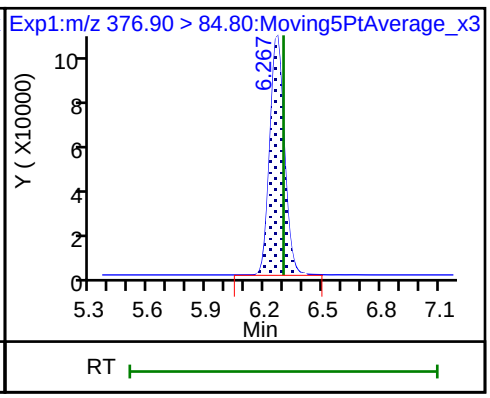
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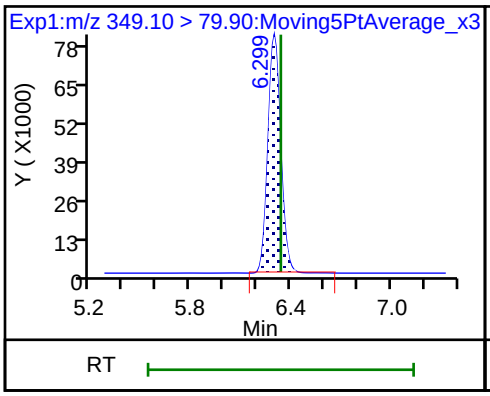
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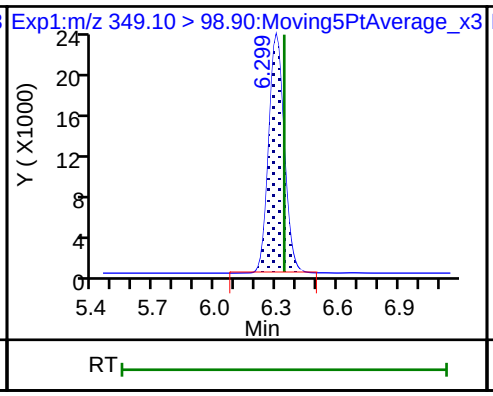
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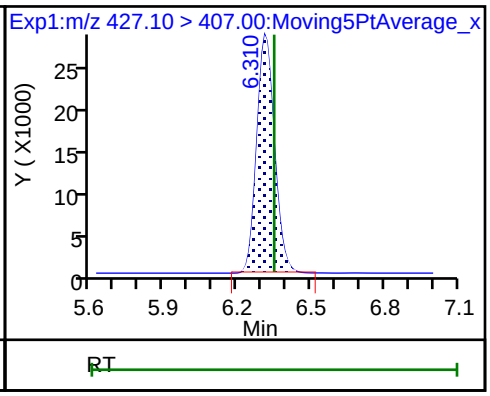
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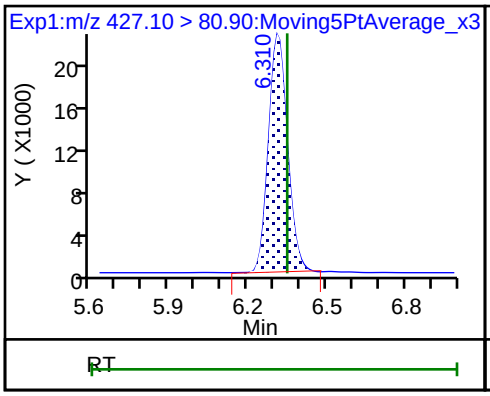
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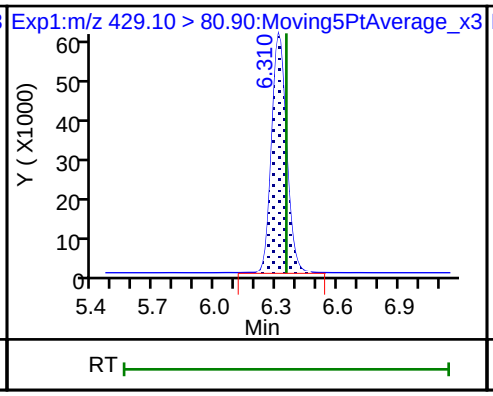
32 6:2FTS



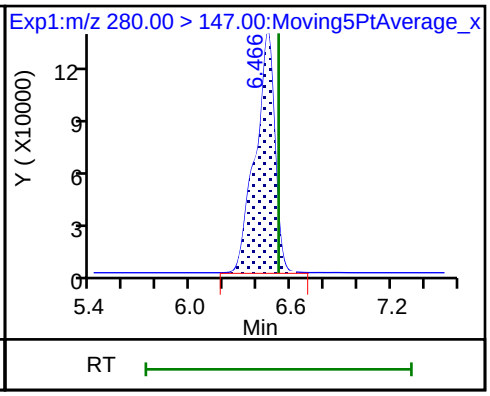
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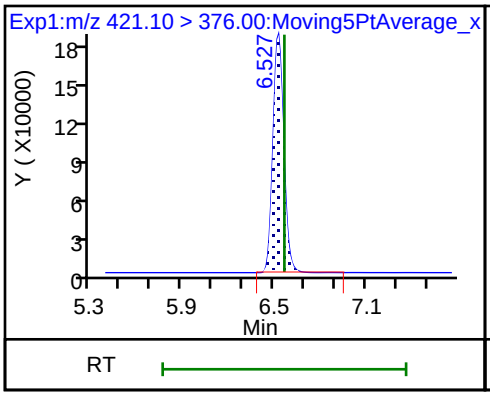
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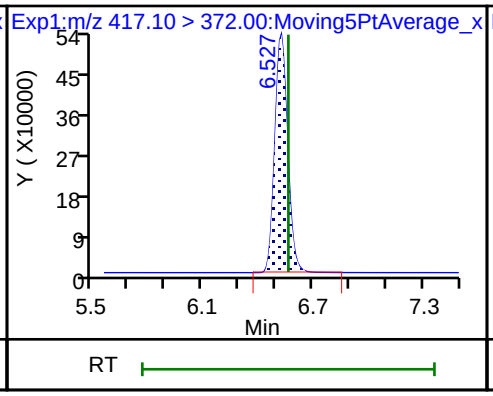
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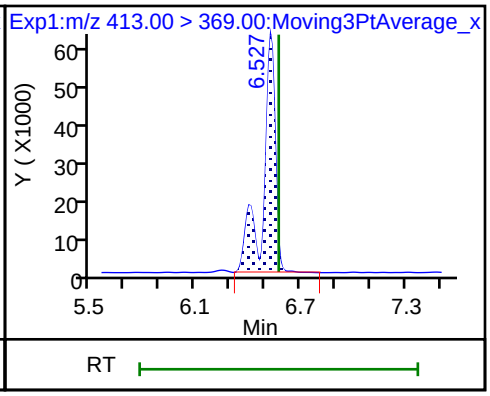
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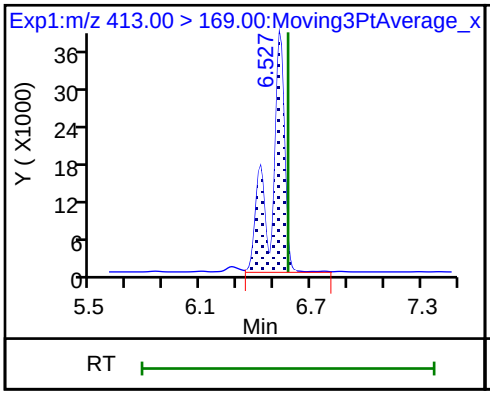
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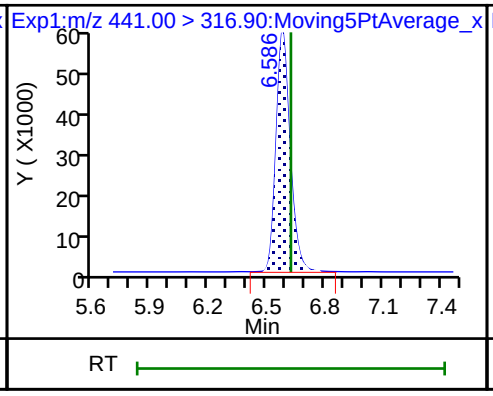
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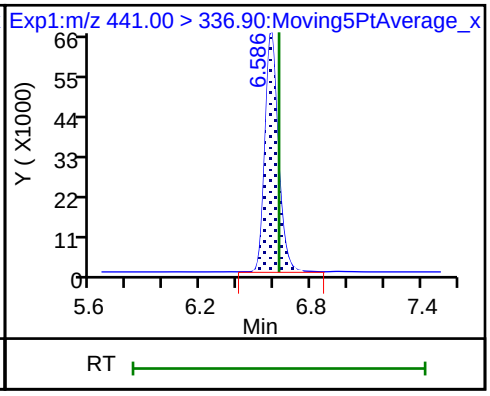
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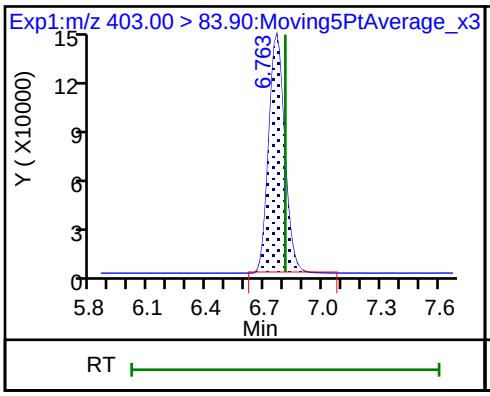
36 7:3 FTCA



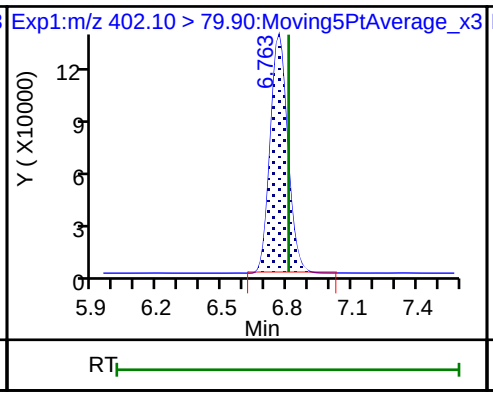
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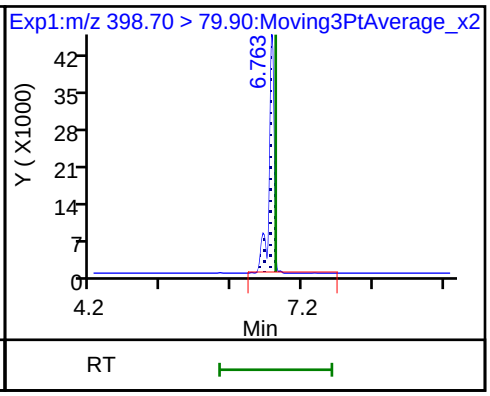
* 38 18O2 PFHxS



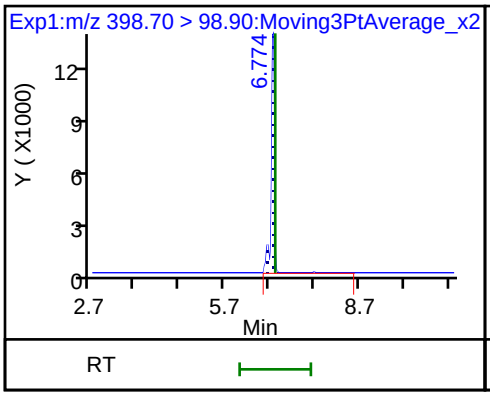
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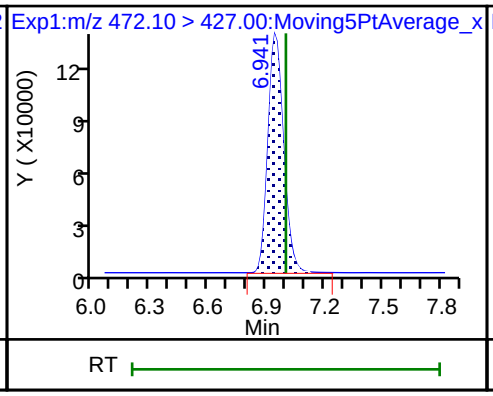
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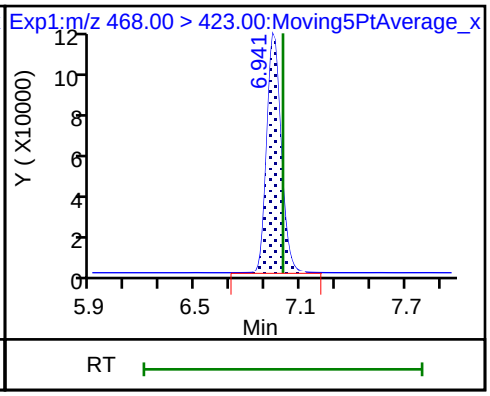
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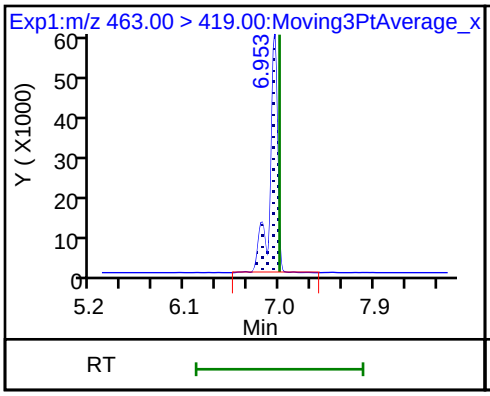
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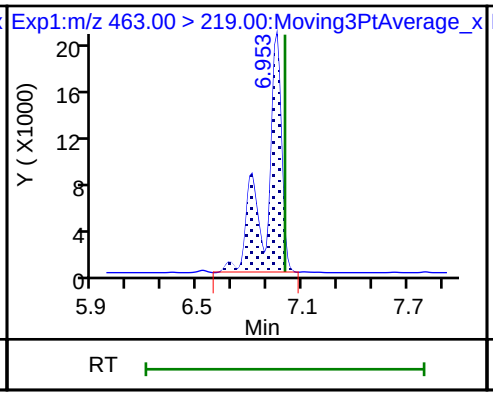
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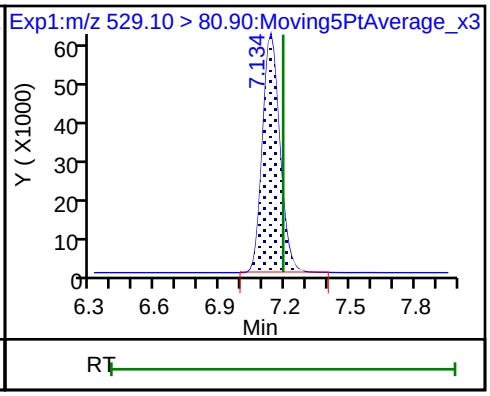
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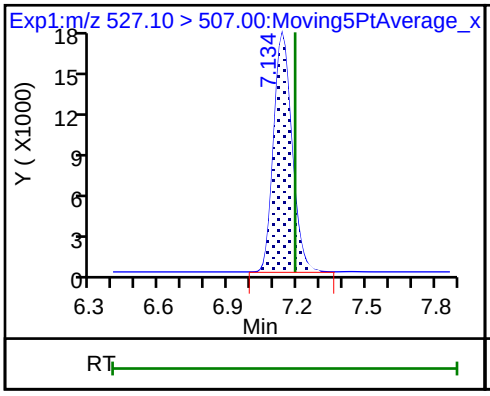
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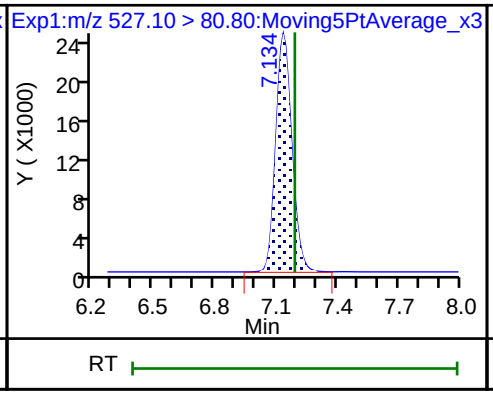
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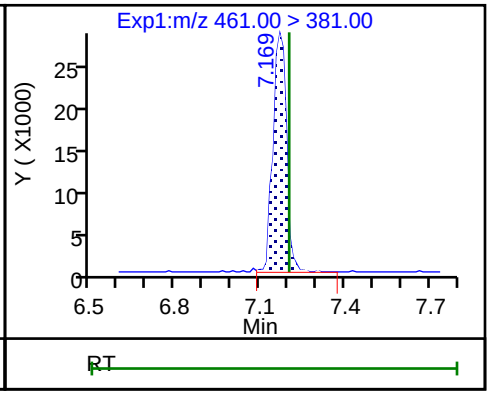
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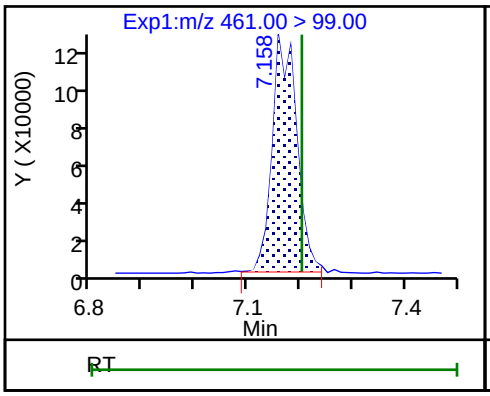
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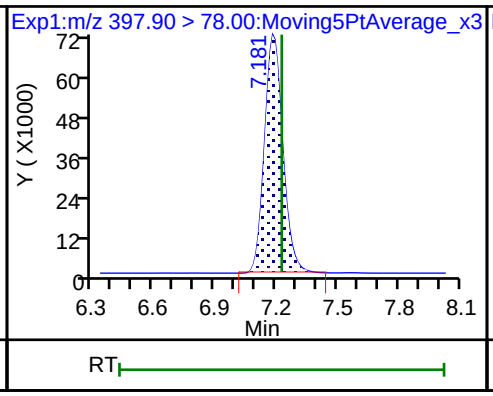
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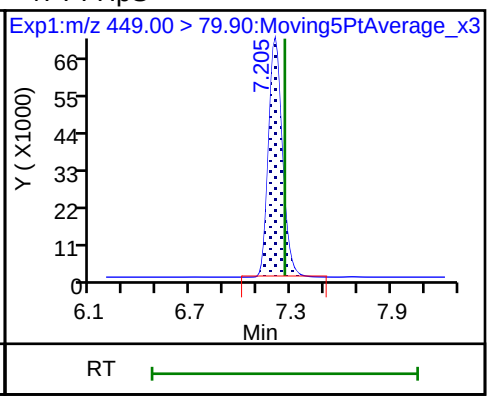
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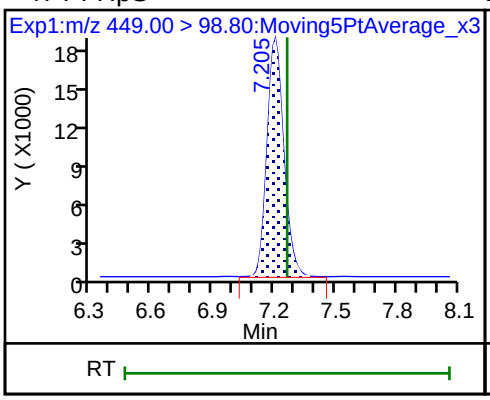
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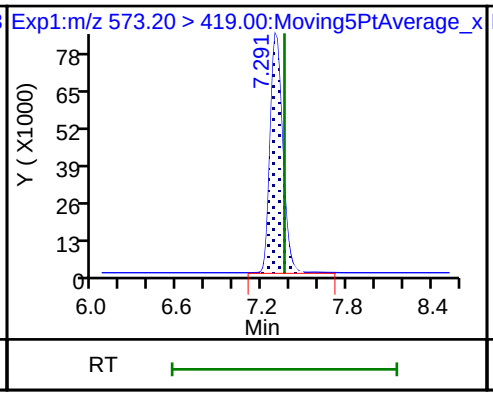
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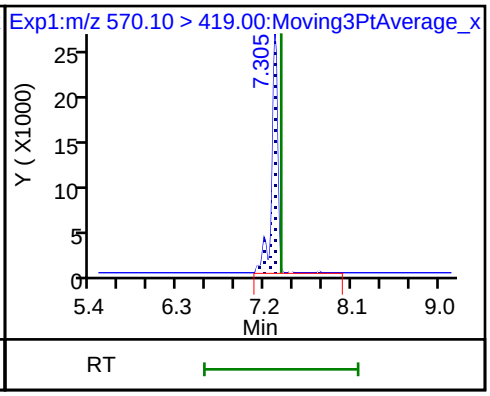
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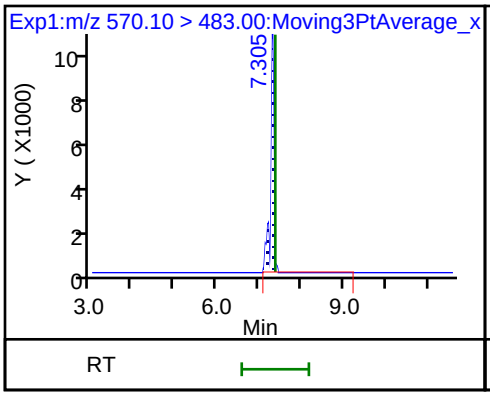
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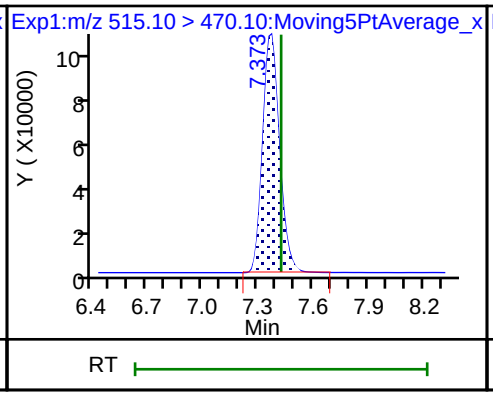
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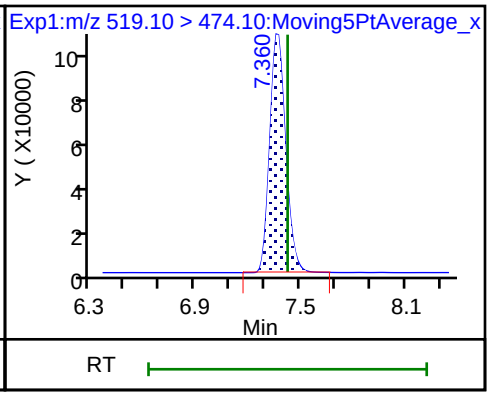
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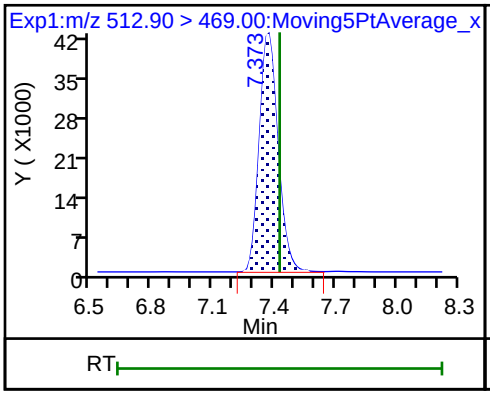
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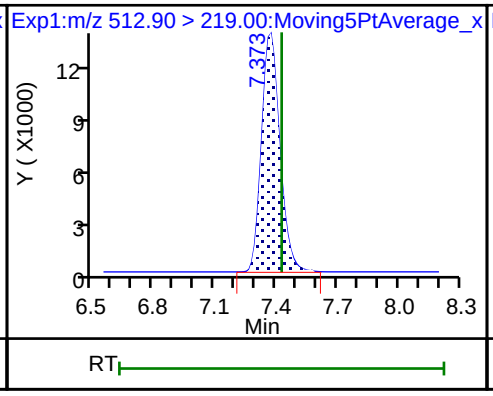
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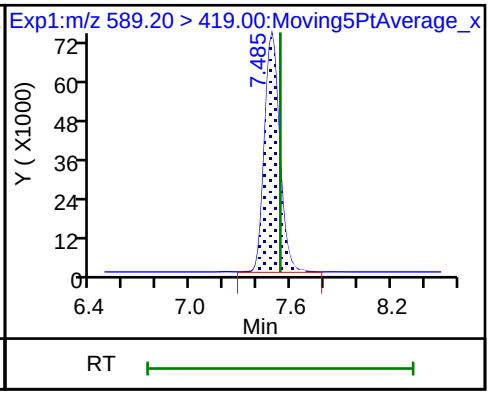
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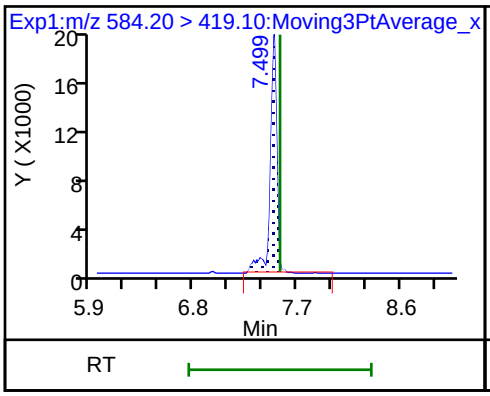
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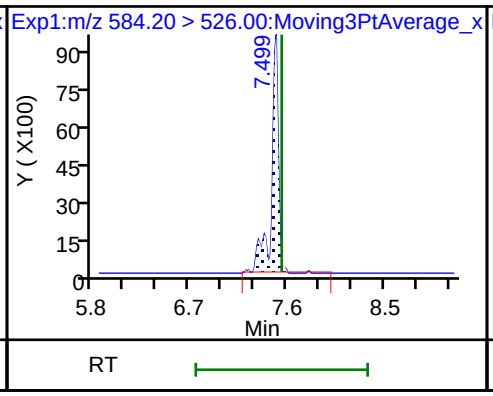
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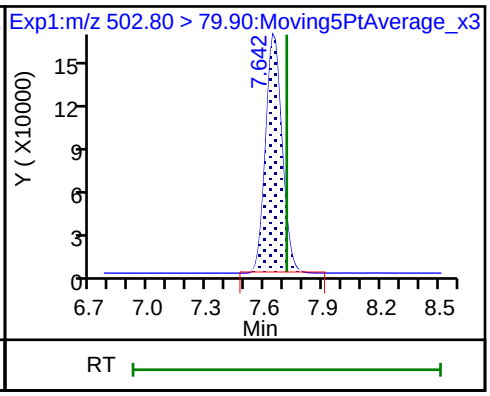
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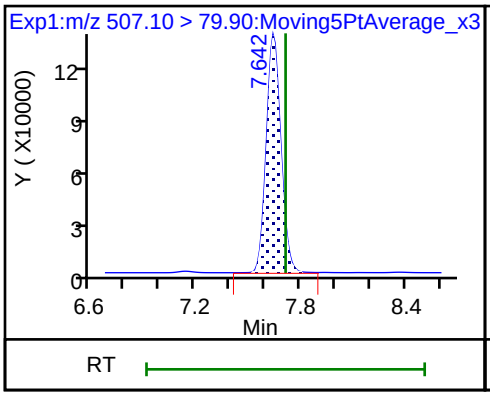
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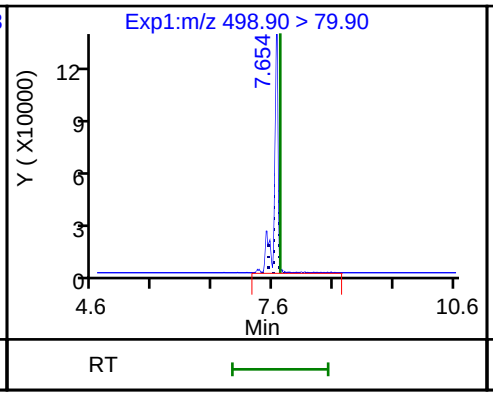
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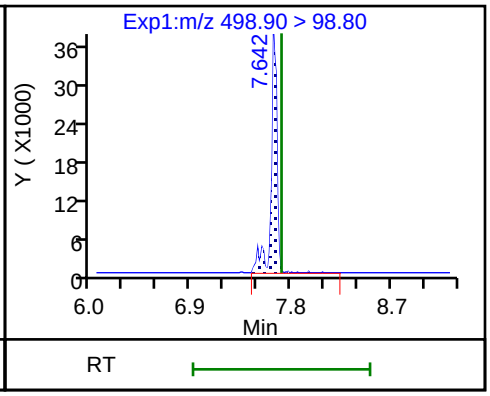
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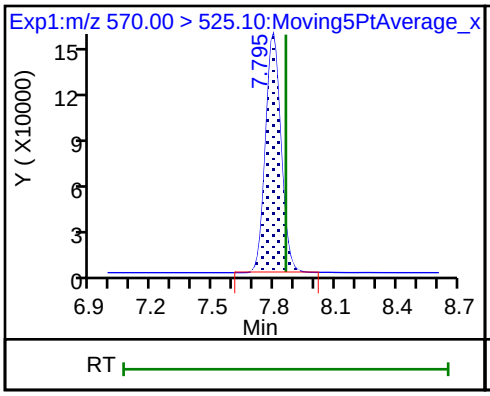
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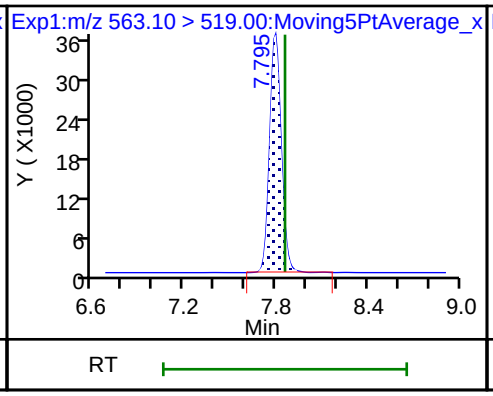
58 PFOS



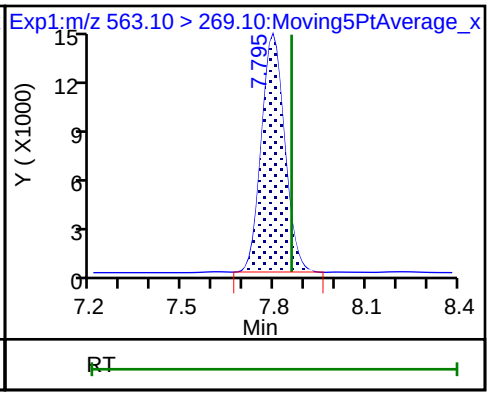
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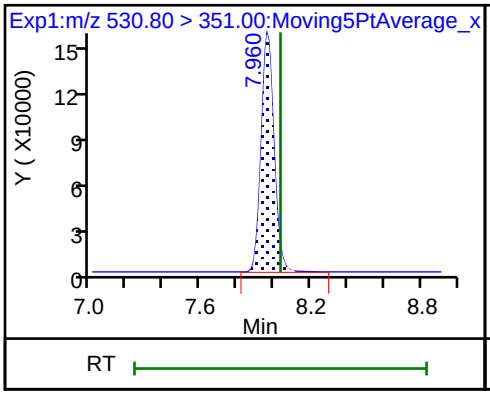
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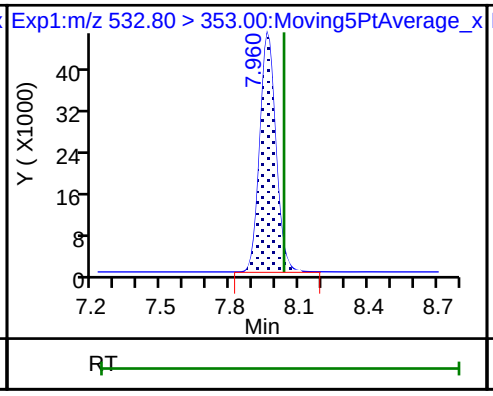
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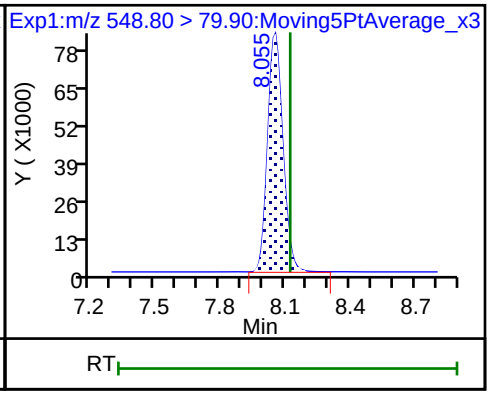
61 9ClFOS



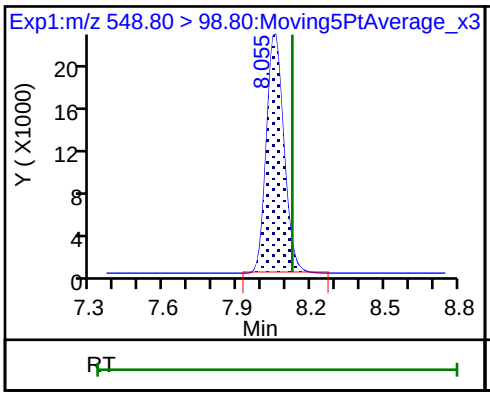
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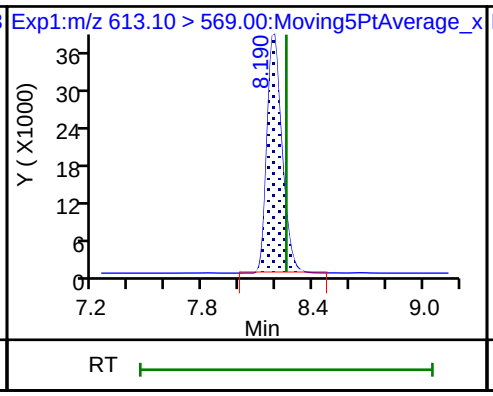
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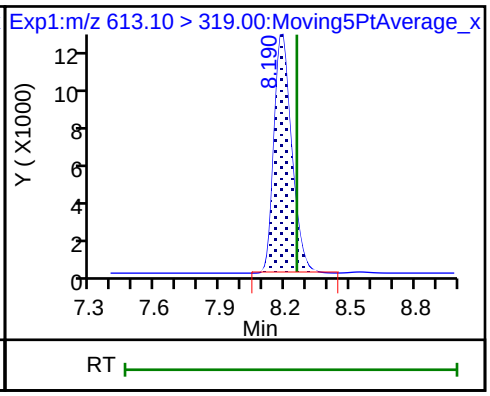
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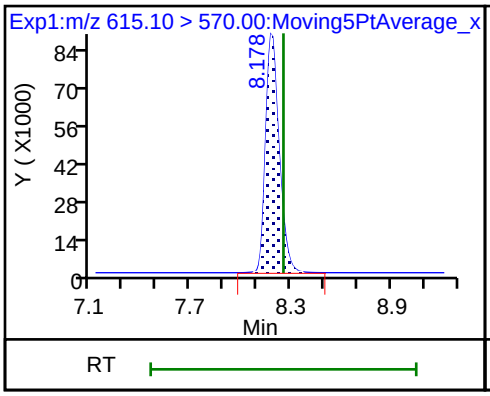
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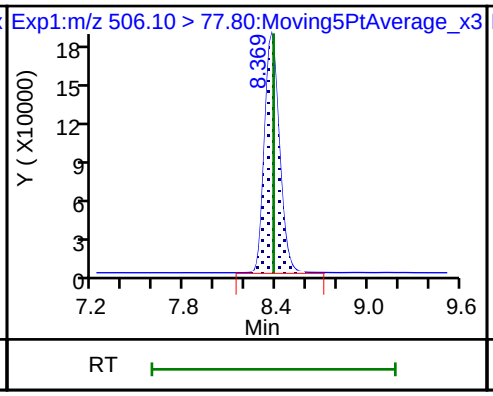
64 PFDoA



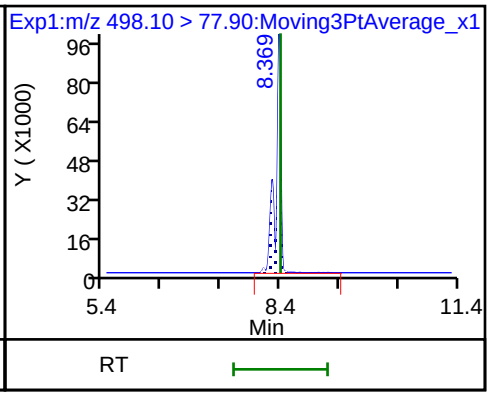
D 63 PFDoA



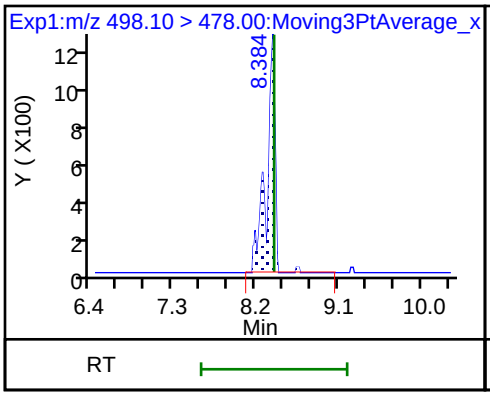
D 66 13C8 FOSA



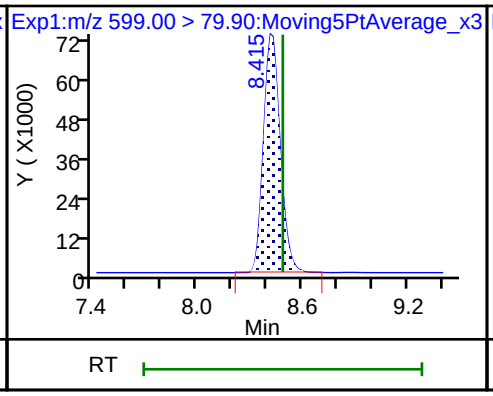
65 PFOSA



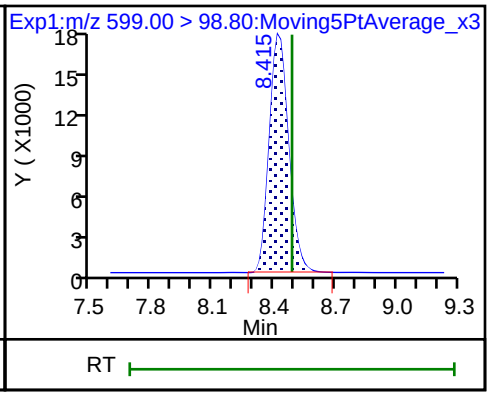
65 PFOSA



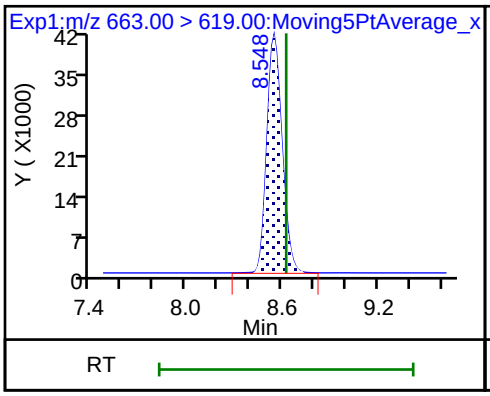
67 PFDS



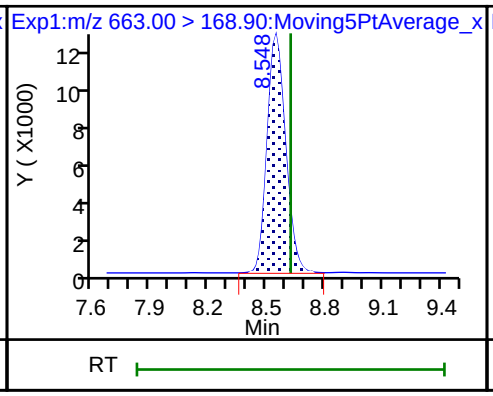
67 PFDS



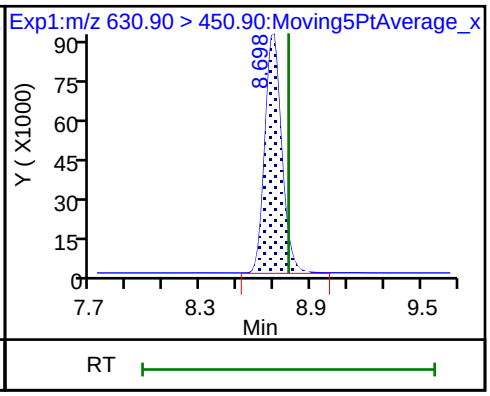
68 PFTrDA



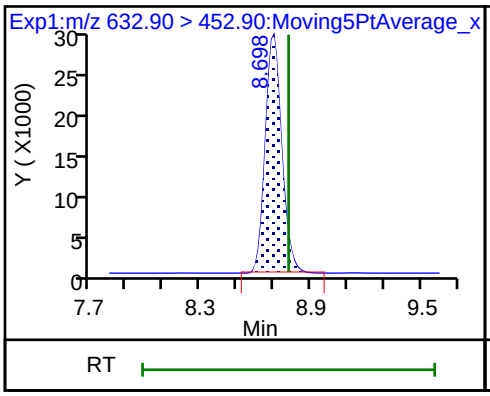
68 PFTrDA



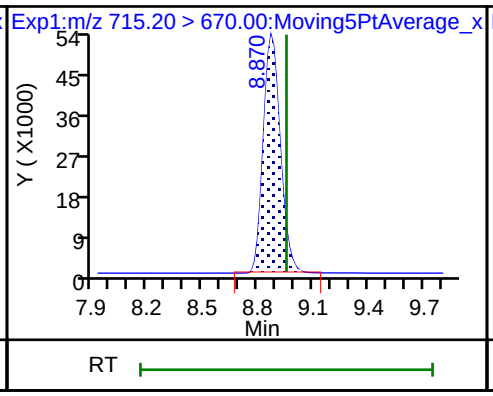
69 11ClFOS



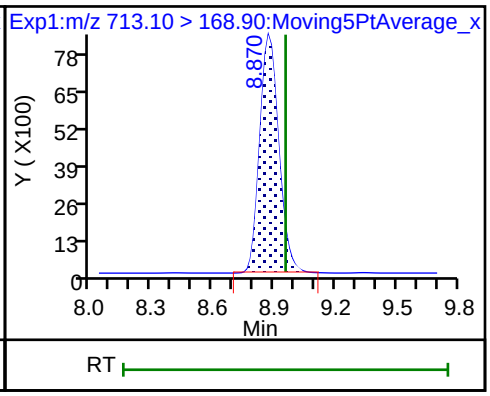
69 11ClFOS



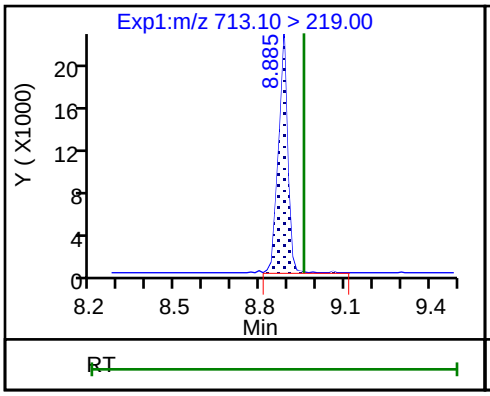
D 70 13C2 PFTeDA



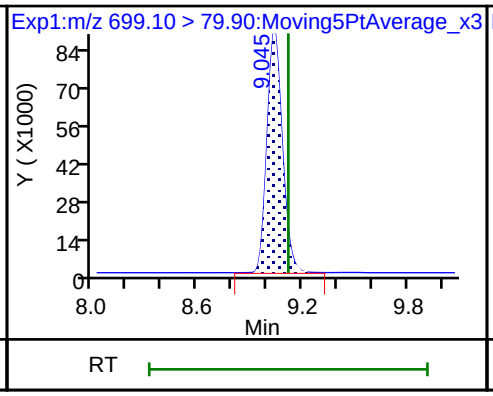
71 PFTeDA



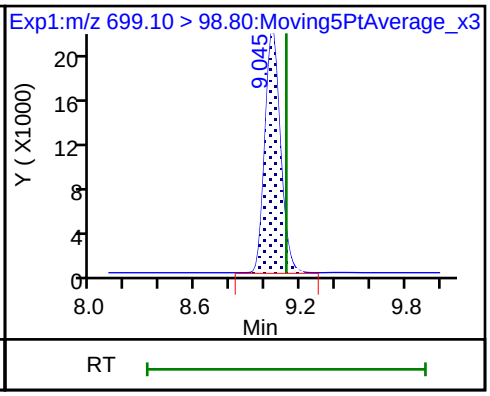
71 PFTeDA



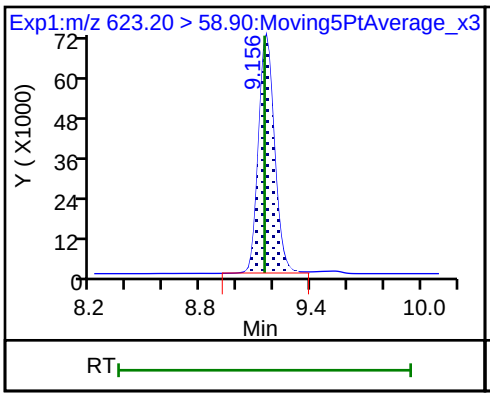
72 PFDoS



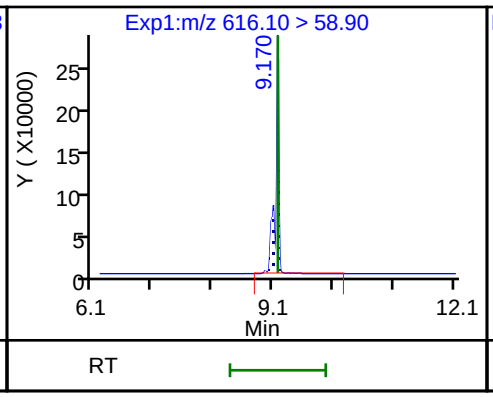
72 PFDoS



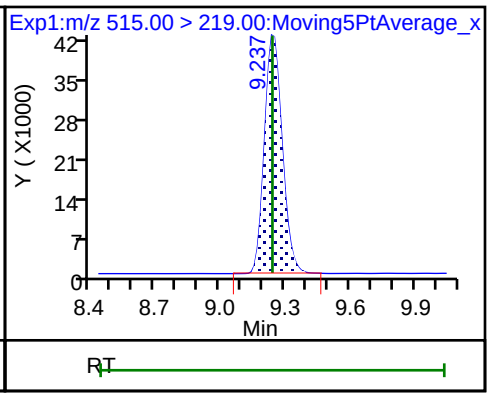
D 73 d7-N-Me-FOSE



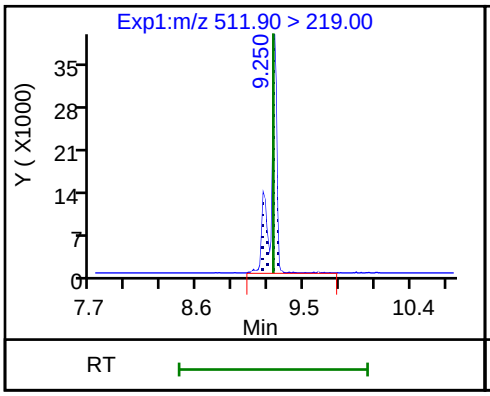
74 N-MeFOSE-M



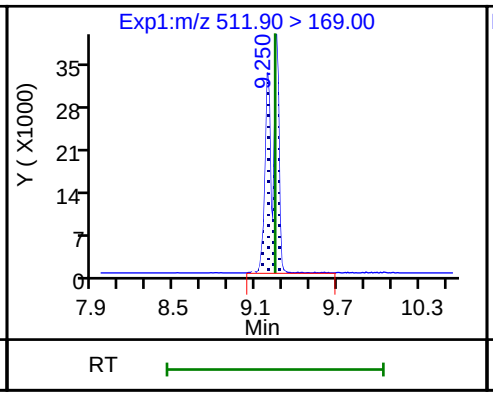
D 75 d3-NMePFOSA



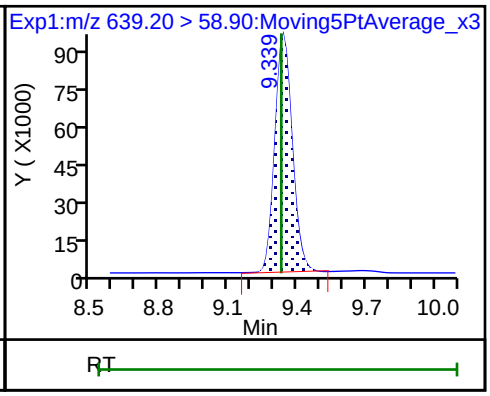
76 NMeFOSA



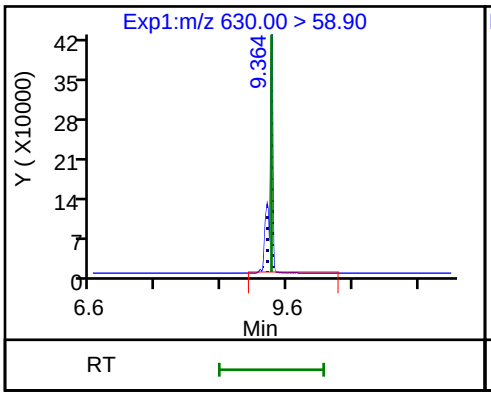
76 NMeFOSA



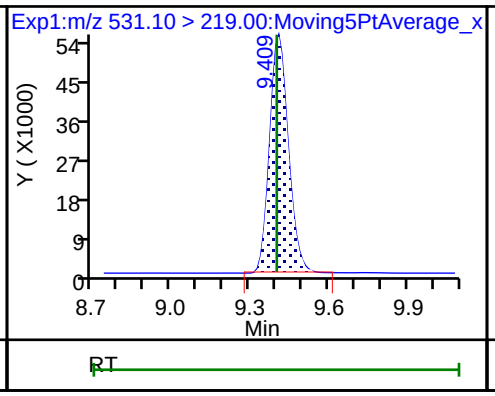
D 77 d9-N-EtFOSE



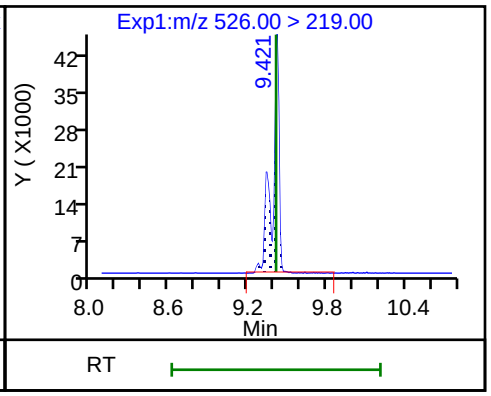
78 N-EtFOSE-M



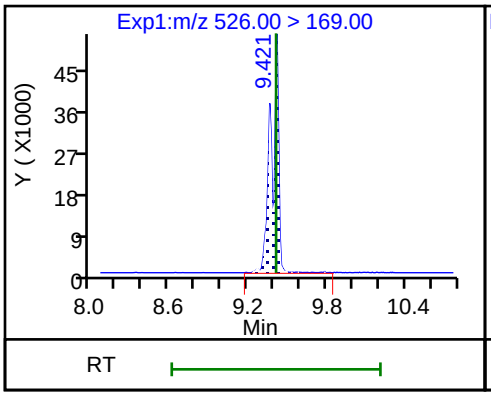
D 79 d5-NEtPFOSA



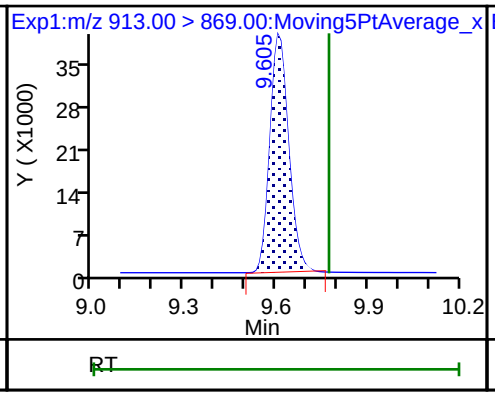
80 N-EtFOSA-M



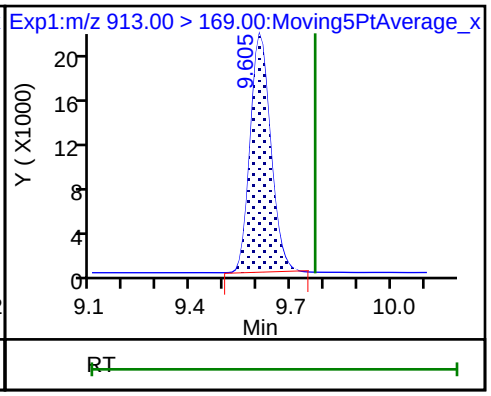
80 N-EtFOSA-M



81 Perfluorooctadecanoic acid



81 Perfluorooctadecanoic acid



FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-613587/3-A

Matrix: Water
Lab File ID: 25MAR06-40.d

Analysis Method: 1633
Date Collected:

Extraction Method: 1633
Date Extracted: 03/06/2025 08:30

Sample wt/vol: 125(mL)
Date Analyzed: 03/07/2025 02:56

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613851
Units: ng/L

Preparation Batch No.: 613587
Instrument ID: 30729

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	74.9		4.0	1.1
2706-90-3	Perfluoropentanoic acid	35.3		2.0	0.60
307-24-4	Perfluorohexanoic acid	36.6		2.0	0.50
375-85-9	Perfluoroheptanoic acid	42.0		2.0	0.80
335-67-1	Perfluorooctanoic acid	36.4		2.0	0.90
375-95-1	Perfluorononanoic acid	38.0		2.0	0.50
335-76-2	Perfluorodecanoic acid	41.5		2.0	0.50
2058-94-8	Perfluoroundecanoic acid	31.0		2.0	0.50
307-55-1	Perfluorododecanoic acid	37.3		2.0	0.50
72629-94-8	Perfluorotridecanoic acid	39.7		2.0	0.50
376-06-7	Perfluorotetradecanoic acid	36.7		2.0	0.50
375-73-5	Perfluorobutanesulfonic acid	30.8		2.0	0.50
2706-91-4	Perfluoropentanesulfonic acid	35.5		2.0	0.50
355-46-4	Perfluorohexanesulfonic acid	30.9		2.0	0.80
375-92-8	Perfluoroheptanesulfonic acid	31.9		2.0	0.50
1763-23-1	Perfluorooctanesulfonic acid	34.2		2.0	0.50
68259-12-1	Perfluorononanesulfonic acid	37.5		2.0	0.50
335-77-3	Perfluorodecanesulfonic acid	35.0		2.0	0.50
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	30.1		2.0	0.60
757124-72-4	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	60.6		4.0	1.0
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	62.5		4.0	1.0
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	62.5		4.0	1.0
754-91-6	Perfluorooctanesulfonamide	37.5		2.0	0.50
31506-32-8	NMeFOSA	38.1		2.0	0.50
4151-50-2	N-ethylperfluoro-1-octanesulfonamide	36.4		2.0	0.50
2355-31-9	NMeFOSAA	37.9		2.0	0.50
2991-50-6	NEtFOSAA	40.7		2.0	0.50

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-613587/3-A

Matrix: Water
Lab File ID: 25MAR06-40.d

Analysis Method: 1633
Date Collected:

Extraction Method: 1633
Date Extracted: 03/06/2025 08:30

Sample wt/vol: 125(mL)
Date Analyzed: 03/07/2025 02:56

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613851
Units: ng/L

Preparation Batch No.: 613587
Instrument ID: 30729

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
24448-09-7	2-(N-methylperfluoro-1-octanesulfonamido) ethanol	188		10	2.5
1691-99-2	2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	181		10	2.5
13252-13-6	HFPO-DA	29.3		2.0	0.75
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	30.9		2.0	0.50
377-73-1	Perfluoro-3-methoxypropanoic acid	35.8		2.0	0.50
863090-89-5	Perfluoro(4-methoxybutanoic acid)	35.6		2.0	0.50
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid	36.4		2.0	0.50
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	45.9		2.0	0.50
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	36.5		2.0	0.50
113507-82-7	PFEESA	31.9		2.0	0.50
356-02-5	3:3 FTCA	70.1		4.0	1.0
914637-49-3	5:3 FTCA	160		10	2.8
812-70-4	7:3 FTCA	149		10	2.5

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-613587/3-A

Matrix: Water
Lab File ID: 25MAR06-40.d

Analysis Method: 1633
Date Collected:

Extraction Method: 1633
Date Extracted: 03/06/2025 08:30

Sample wt/vol: 125(mL)
Date Analyzed: 03/07/2025 02:56

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613851
Units: ng/L

Preparation Batch No.: 613587
Instrument ID: 30729

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	87.1		5-130
STL01893	13C5 PFPeA	91.5		40-130
STL02577	13C5 PFHxA	93.2		40-130
STL01892	13C4 PFHpA	92.0		40-130
STL01052	13C8 PFOA	92.8		40-130
STL02578	13C9 PFNA	113		40-130
STL02579	13C6 PFDA	90.6		40-130
STL02580	13C7 PFUnA	146	*5+	30-130
STL02116	13C2 PFTeDA	91.4		10-130
STL02337	13C3 PFBS	87.0		40-135
STL02581	13C3 PFHxS	81.8		40-130
STL01054	13C8 PFOS	82.3		40-130
STL01056	13C8 FOSA	88.7		40-130
STL02118	d3-NMeFOSAA	81.5		40-170
STL02117	d5-NEtFOSAA	75.6		25-135
STL02395	M2-4:2 FTS	82.4		40-200
STL02279	M2-6:2 FTS	84.4		40-200
STL02280	M2-8:2 FTS	88.2		40-300
STL02255	13C3 HFPO-DA	90.6		40-130
STL02277	d7-N-MeFOSE-M	69.9		10-130
STL02278	d9-N-EtFOSE-M	68.1		10-130
STL02704	d5-NEtPFOSA	55.4		10-130
STL02705	d3-NMePFOSA	55.7		10-130
STL00998	13C2 PFDoA	128		10-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR06-40.d
Lims ID: LCSD 410-613587/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 07-Mar-2025 02:56:02 ALS Bottle#: 32 Worklist Smp#: 36
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-613587/3-A
Misc. Info.: Plate: 1 Rack: 1 410-0140106-036
Operator ID: ETUS023_USR_INS00054 Instrument ID: 30729

Method: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\30729_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 10-Mar-2025 15:13:58 Calib Date: 03-Mar-2025 20:03:32
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-08.d

Column 1 : Det: EXP1
Process Host: CTX1629

First Level Reviewer: RPU6 Date: 10-Mar-2025 15:08:00
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
1 Perfluoropropionic acid										
163.00 > 119.00	1.778	1.869	-0.091	1.000	1056271	4.63		92.6	5100	
D 2 13C3PFPrA										
166.00 > 121.00	1.778	1.869	-0.091	0.401	413017	1.82		90.9	212	
5 PFBA										
212.80 > 168.90	4.421	4.450	-0.029	1.000	589353	1.87		93.7	6190	
D 3 13C4-PFBA										
216.80 > 171.90	4.421	4.450	-0.029	0.998	625738	1.74		87.1	14996	
* 4 13C3PFBA										
216.00 > 172.00	4.430	4.459	-0.029		813007	2.00			178	
6 PFMPA										
229.00 > 84.90	4.760	4.786	-0.026	0.930	404740	0.8940		89.4	14961	
7 3:3 FTCA										
241.00 > 177.00	4.771	4.798	-0.027	0.932	45665	1.75	Target=1.07	87.6	2821	
241.00 > 117.00	4.771	4.798	-0.027	0.932	40087		1.14(0.53-1.60)		2441	
D 9 13C5 PFPeA										
268.30 > 223.00	5.118	5.142	-0.024	0.905	521250	1.83		91.5	30258	
10 PFPA										
263.00 > 219.00	5.118	5.142	-0.024	1.000	371926	0.8829		88.3	12903	
11 PFMBA										
279.00 > 85.10	5.306	5.330	-0.024	1.037	445066	0.8892		88.9	25962	
D 12 13C2-4:2FTS										
329.10 > 80.90	5.454	5.479	-0.025	0.808	300929	3.87		82.4	10779	
13 4:2FTS										
327.10 > 307.00	5.454	5.479	-0.025	1.000	143461	1.51	Target=1.39	81.1	8596	
327.10 > 80.90	5.454	5.479	-0.025	1.000	122812		1.17(0.69-2.08)		4407	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
15 NFDHA										
295.00 > 201.00	5.605	5.640	-0.035	0.992	230767	0.9111	Target=1.25	91.1	13053	
295.00 > 84.90	5.605	5.640	-0.035	0.992	181606		1.27(0.63-1.88)		10421	
D 16 13C5 PFHxA										
318.00 > 273.00	5.652	5.676	-0.024	1.000	863130	1.86		93.2	51075	
* 17 13C2 PFHxA										
315.10 > 270.00	5.652	5.676	-0.024		1992990	5.00			117245	
18 PFHxA										
313.00 > 269.00	5.652	5.687	-0.035	1.000	364795	0.9150	Target=10.83	91.5	15891	
313.00 > 118.90	5.652	5.687	-0.035	1.000	32496		11.23(5.41-16.24)		1919	
20 5:3 FTCA										
341.00 > 237.10	5.723	5.762	-0.039	1.013	308482	4.00	Target=0.92	79.9	17445	
341.00 > 217.00	5.736	5.762	-0.026	1.015	343994		0.90(0.46-1.37)		19375	
14 FBSA										
297.90 > 78.00	5.736	5.804	-0.068	0.993	425274	0.8478		84.8	332	
21 PFBS										
298.70 > 79.90	5.790	5.818	-0.028	1.002	264894	0.7706	Target=2.85	86.8	12108	
298.70 > 98.80	5.790	5.818	-0.028	1.002	87435		3.03(1.43-4.28)		3959	
D 19 13C3 PFBS										
302.10 > 79.90	5.776	5.818	-0.042	0.856	937181	1.62		87.0	42872	
D 23 13C3 HFPO-DA										
286.90 > 168.90	5.845	5.873	-0.028	1.034	820356	1.81		90.6	43439	
22 HFPO-DA										
284.90 > 168.90	5.845	5.887	-0.042	1.000	322714	0.7323	Target=2.51	97.6	13042	
284.90 > 184.90	5.845	5.887	-0.042	1.000	126129		2.56(1.25-3.76)		6643	
25 PFEESA										
314.80 > 134.90	6.039	6.082	-0.043	1.069	1036334	0.7986	Target=10.92	89.5	49290	
314.80 > 82.90	6.026	6.082	-0.056	1.066	90424		11.46(5.46-16.39)		4319	
D 27 13C4 PFHpA										
367.10 > 322.00	6.096	6.135	-0.039	1.079	821404	1.84		92.0	45354	
28 PFHpA										
363.10 > 319.00	6.096	6.135	-0.039	1.000	393757	1.05	Target=2.23	105	21689	
363.10 > 169.00	6.096	6.135	-0.039	1.000	161260		2.44(1.12-3.35)		8936	
29 ADONA										
376.90 > 250.90	6.254	6.297	-0.043	1.070	810616	0.7727	Target=1.60	81.7	6987	
376.90 > 84.80	6.254	6.297	-0.043	1.070	510967		1.59(0.80-2.40)		32559	
30 PFPeS										
349.10 > 79.90	6.286	6.339	-0.053	0.932	398069	0.8865	Target=3.47	94.3	23390	
349.10 > 98.90	6.286	6.339	-0.053	0.932	115097		3.46(1.73-5.20)		6692	
32 6:2FTS										
427.10 > 407.00	6.308	6.349	-0.041	1.000	121833	1.56	Target=1.13	82.4	8139	
427.10 > 80.90	6.308	6.349	-0.041	1.000	113570		1.07(0.56-1.69)		7578	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.308	6.349	-0.041	0.935	308714	4.02		84.4	20729	
33 BTS										M
280.00 > 147.00	6.463	6.525	-0.062	0.958	964210	0.8692		88.8	34364	M
D 34 13C8 PFOA										
421.10 > 376.00	6.515	6.565	-0.050	1.000	919787	1.86		92.8	62935	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 40 13C4 PFOA										
417.10 > 372.00	6.515	6.565	-0.050		2569862	5.00			74246	
35 PFOA										M
413.00 > 369.00	6.525	6.575	-0.050	1.002	312689	0.9097	Target=1.69	91.0	1463	M
413.00 > 169.00	6.525	6.575	-0.050	1.002	172274		1.82(0.85-2.54)		880	M
36 7:3 FTCA										
441.00 > 316.90	6.574	6.625	-0.051	1.163	289136	3.73	Target=0.93	74.6	19240	
441.00 > 336.90	6.574	6.625	-0.051	1.163	334318		0.86(0.46-1.39)		16949	
* 38 18O2 PFHxS										
403.00 > 83.90	6.747	6.807	-0.060		890128	1.89			51611	
D 37 13C3 PFHxS										
402.10 > 79.90	6.747	6.807	-0.060	1.000	714405	1.55		81.8	40625	
39 PFHxS										
398.70 > 79.90	6.760	6.819	-0.058	1.002	195977	0.7734	Target=3.39	84.8	965	
398.70 > 98.90	6.760	6.819	-0.058	1.002	57714		3.40(1.70-5.09)		13025	
D 41 13C9 PFNA										
472.10 > 427.00	6.938	6.999	-0.061	1.000	730867	2.26		113	43504	
* 42 13C5 PFNA										
468.00 > 423.00	6.938	6.999	-0.061		661124	2.00			29316	
43 PFNA										
463.00 > 419.00	6.938	6.999	-0.061	1.000	298065	0.9498	Target=2.10	95.0	1909	
463.00 > 219.00	6.938	6.999	-0.061	1.000	130516		2.28(1.05-3.15)		347	
D 45 13C2-8:2FTS										
529.10 > 80.90	7.120	7.191	-0.071	1.055	349393	4.23		88.2	21493	
46 8:2FTS										
527.10 > 507.00	7.120	7.191	-0.071	1.000	84939	1.56	Target=0.72	81.5	5179	
527.10 > 80.80	7.120	7.191	-0.071	1.000	121672		0.70(0.36-1.07)		7341	
44 PFECHS										
461.00 > 381.00	7.155	7.203	-0.048	1.060	97454	0.9445	Target=0.22	102	109	
461.00 > 99.00	7.155	7.203	-0.048	1.060	422057		0.23(0.11-0.33)		714	
48 FHxSA										
397.90 > 78.00	7.167	7.226	-0.059	1.062	462908	0.8723		87.2	17786	
47 PFHpS										
449.00 > 79.90	7.191	7.263	-0.072	0.943	370368	0.7983	Target=3.56	83.7	21665	
449.00 > 98.80	7.191	7.263	-0.072	0.943	107734		3.44(1.78-5.34)		6227	
D 49 d3-NMeFOSAA										
573.20 > 419.00	7.289	7.357	-0.068	0.956	496335	4.08		81.5	27397	
50 NMeFOSAA										
570.10 > 419.00	7.303	7.371	-0.068	1.002	111995	0.9472	Target=1.90	94.7	29330	
570.10 > 483.00	7.289	7.371	-0.082	1.000	51699		2.17(0.95-2.86)		217	
* 51 13C2 PFDA										
515.10 > 470.10	7.358	7.426	-0.068		678919	2.00			26979	
D 52 13C6 PFDA										
519.10 > 474.10	7.358	7.426	-0.068	1.000	632267	1.81		90.6	25425	
53 PFDA										
512.90 > 469.00	7.358	7.426	-0.068	1.000	240174	1.04	Target=3.00	104	12970	
512.90 > 219.00	7.358	7.426	-0.068	1.000	85900		2.80(1.50-4.50)		4719	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.468	7.536	-0.068	0.979	403017	3.78		75.6	21183	
55 NEtFOSAA										
584.20 > 419.10	7.482	7.549	-0.067	1.002	71584	1.02	Target=2.01	102	260	
584.20 > 526.00	7.482	7.549	-0.067	1.002	34573		2.07(1.01-3.02)		196	
* 57 13C4 PFOS										
502.80 > 79.90	7.627	7.714	-0.087		902015	1.91			30550	
D 56 13C8 PFOS										
507.10 > 79.90	7.627	7.714	-0.087	1.000	680828	1.58		82.5	12781	
58 PFOS										
498.90 > 79.90	7.639	7.714	-0.075	1.002	457656	0.8546	Target=4.52	91.9	1056	
498.90 > 98.80	7.652	7.714	-0.062	1.003	104554		4.38(2.26-6.78)		181	
D 59 13C7 PFUnA										
570.00 > 525.10	7.782	7.856	-0.074	1.058	806991	2.91		146	51050	
60 PFUnA										
563.10 > 519.00	7.782	7.856	-0.074	1.000	168332	0.7746	Target=2.41	77.5	10408	
563.10 > 269.10	7.782	7.856	-0.074	1.000	74326		2.26(1.20-3.61)		4710	
61 9ClFOS										
530.80 > 351.00	7.948	8.033	-0.085	1.360	680123	1.15	Target=3.28	123	47098	
532.80 > 353.00	7.948	8.033	-0.085	1.360	211357		3.22(1.64-4.92)		14502	
62 PFNS										
548.80 > 79.90	8.043	8.124	-0.081	1.055	413007	0.9368	Target=3.47	97.4	28258	
548.80 > 98.80	8.043	8.124	-0.081	1.055	107989		3.82(1.74-5.21)		7269	
64 PFDoA										
613.10 > 569.00	8.176	8.254	-0.078		190372	0.9313	Target=2.89	93.1	11504	
613.10 > 319.00	8.176	8.254	-0.078		73005		2.61(1.45-4.34)		4408	
D 63 PFDoA										
615.10 > 570.00	8.176	8.254	-0.078	1.111	520021	2.57		128	31274	
D 66 13C8 FOSA										
506.10 > 77.80	8.351	8.382	-0.031	1.095	1271998	1.77		88.7	38106	
65 PFOSA										
498.10 > 77.90	8.366	8.397	-0.031	1.002	547258	0.9381	Target=73.95	93.8	1292	
498.10 > 478.00	8.366	8.397	-0.031	1.002	6609		82.80(36.97-110.92)		4.8	
67 PFDS										
599.00 > 79.90	8.412	8.487	-0.075	1.103	419976	0.8756	Target=3.95	90.8	21212	
599.00 > 98.80	8.412	8.487	-0.075	1.103	108937		3.86(1.98-5.93)		5526	
68 PFTrDA										
663.00 > 619.00	8.531	8.624	-0.093	0.962	287554	0.99	Target=3.51	99.3	14353	
663.00 > 168.90	8.531	8.624	-0.093	0.962	81240		3.54(1.75-5.26)		4004	
69 11ClFOS										
630.90 > 450.90	8.682	8.778	-0.096	1.485	559910	0.9130	Target=3.05	96.7	30084	
632.90 > 452.90	8.682	8.778	-0.096	1.485	183401		3.05(1.52-4.57)		9784	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.866	8.955	-0.089	1.205	330728	1.83		91.4	16959	
71 PFTeDA										
713.10 > 168.90	8.866	8.955	-0.089	1.000	50442	0.9180	Target=1.07	91.8	2612	
713.10 > 219.00	8.881	8.955	-0.074	1.002	42372		1.19(0.54-1.61)		152	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
72 PFDoS										
699.10 > 79.90	9.027	9.119	-0.092	1.184	528425	0.7531	Target=4.48	77.6	28796	
699.10 > 98.80	9.027	9.119	-0.092	1.184	127305		4.15(2.24-6.72)		6965	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.153	9.146	0.007	1.200	419750	3.49		69.9	7774	
74 N-MeFOSE-M										
616.10 > 58.90	9.167	9.174	-0.007	1.002	1042941	4.69		93.9	2549	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.234	9.241	-0.007	1.211	247269	1.11		55.7	8670	
76 NMeFOSA										
511.90 > 219.00	9.247	9.241	0.006	1.001	126138	0.9537	Target=0.69	95.4	686	
511.90 > 169.00	9.247	9.241	0.006	1.001	181026		0.70(0.35-1.04)		835	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.336	9.330	0.006	1.224	498998	3.41		68.1	7252	
78 N-EtFOSE-M										
630.00 > 58.90	9.361	9.355	0.006	1.003	1414288	4.54		90.7	5018	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.406	9.401	0.005	1.233	273226	1.11		55.4	13724	
80 N-EtFOSA-M										
526.00 > 219.00	9.418	9.413	0.005	1.001	149574	0.9096	Target=0.75	91.0	867	
526.00 > 169.00	9.418	9.413	0.005	1.001	193028		0.77(0.37-1.12)		938	
81 Perfluorooctadecanoic acid										
913.00 > 869.00	9.602	9.773	-0.171	1.083	173977	0.4983	Target=2.09	49.8	8175	
913.00 > 169.00	9.602	9.773	-0.171	1.083	83945		2.07(1.04-3.13)		3950	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_IS_V_00235 Amount Added: 50.00 Units: uL

Report Date: 10-Mar-2025 15:14:46 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR06-40.d

Injection Date: 07-Mar-2025 02:56:02 Instrument ID: 30729

Lims ID: LCSD 410-613587/3-A

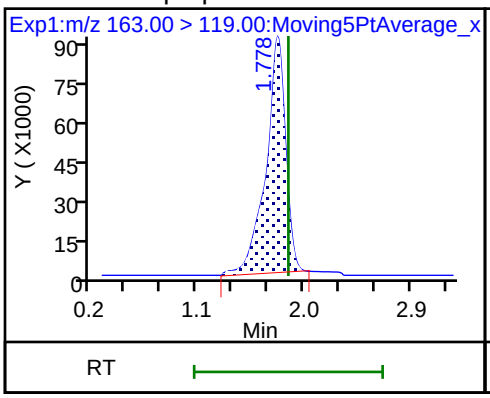
Client ID:

Operator ID: ETUS023_USR_INS00054 ALS Bottle#: 32 Worklist Smp#: 36

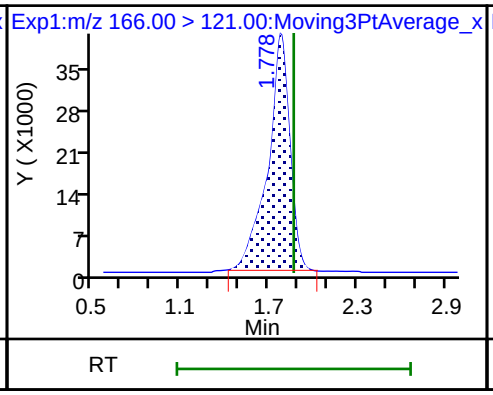
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 30729_1633Final Limit Group: LC - 1633 LVI- ICAL

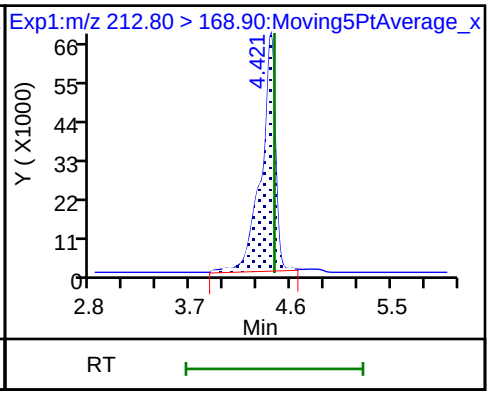
1 Perfluoropropionic acid



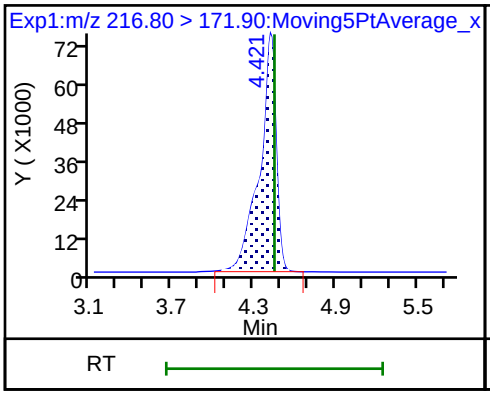
D 2 13C3PFPrA



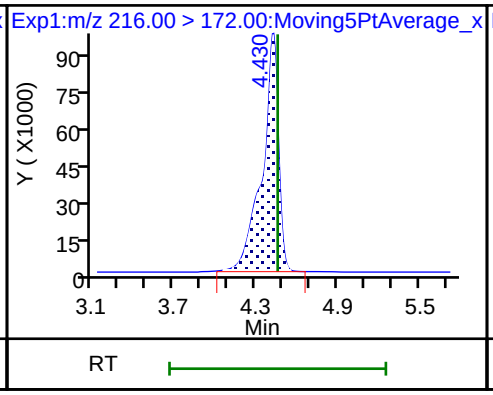
5 PFBA



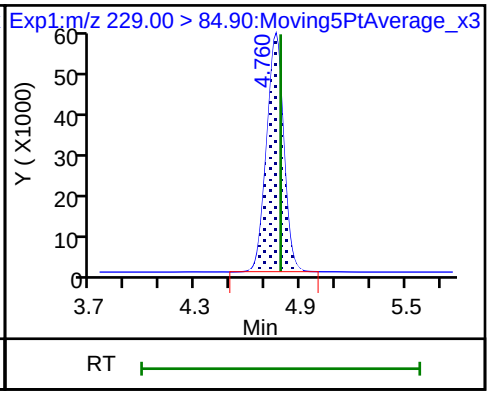
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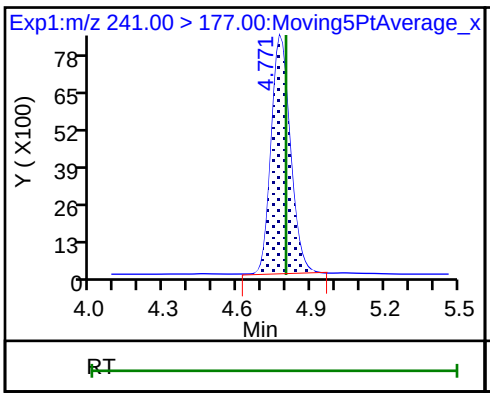
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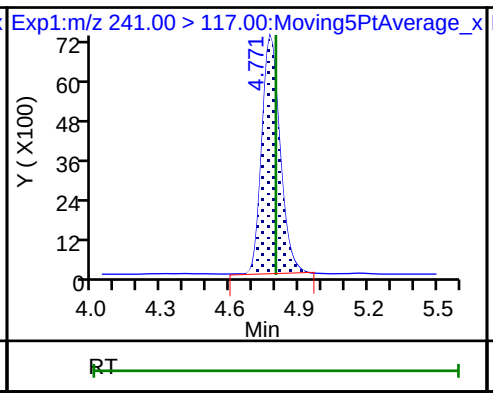
6 PFMPA



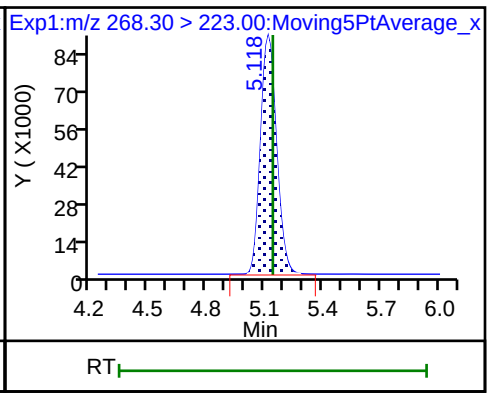
7 3:3 FTCA



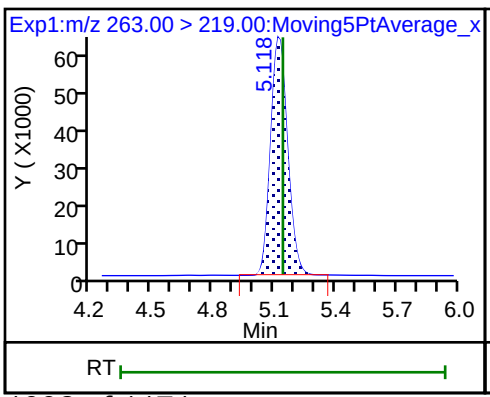
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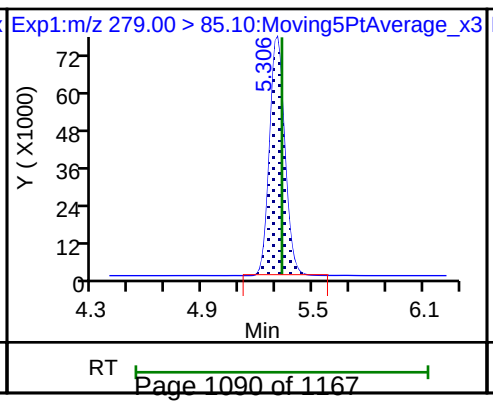
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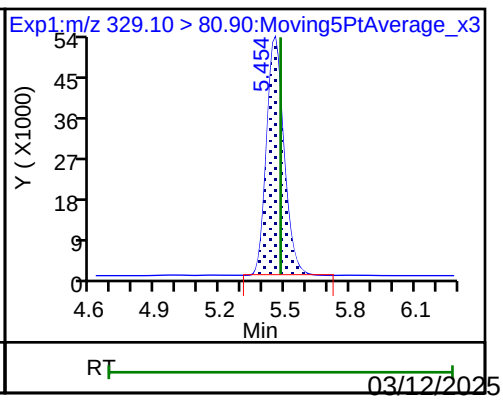
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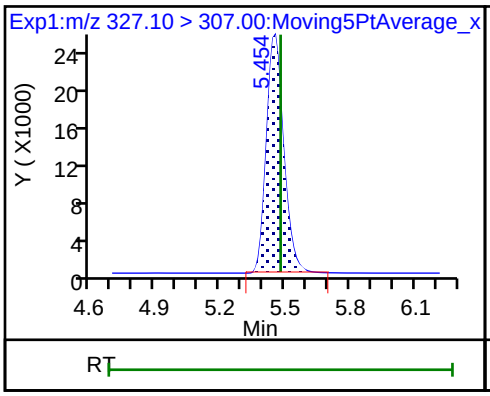
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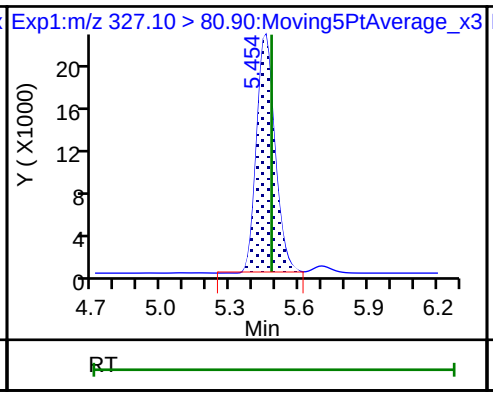
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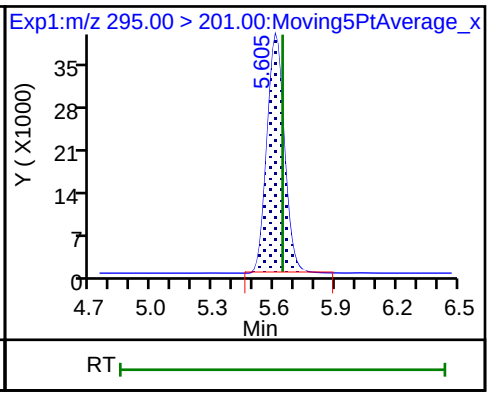
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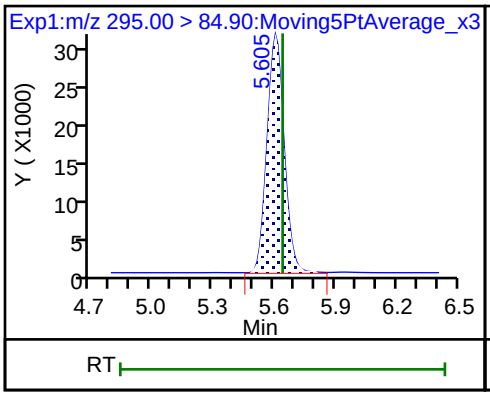
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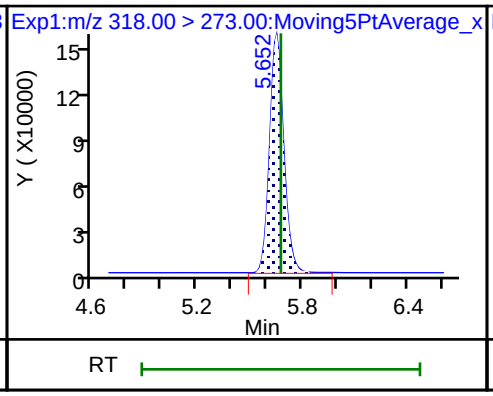
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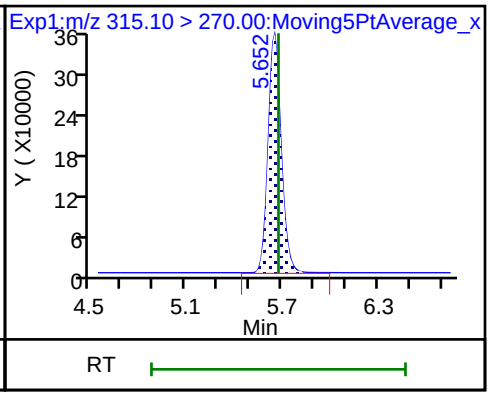
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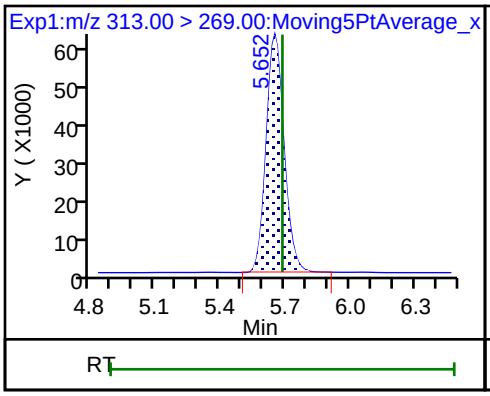
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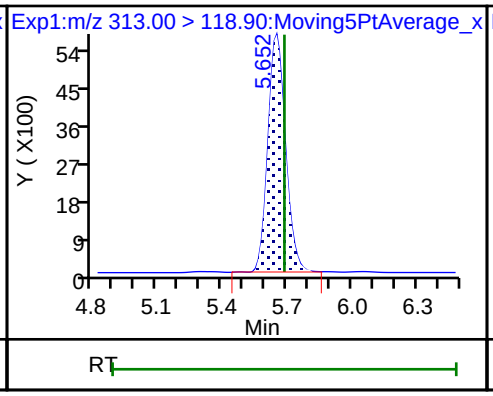
* 17 13C2 PFHxA



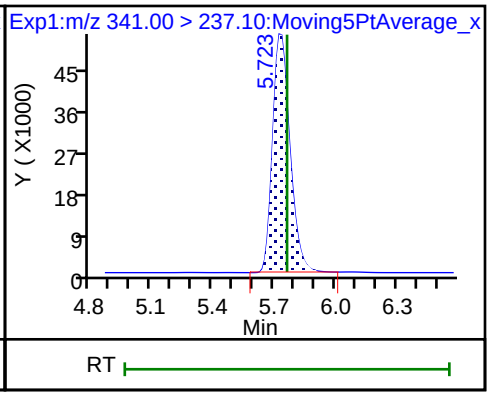
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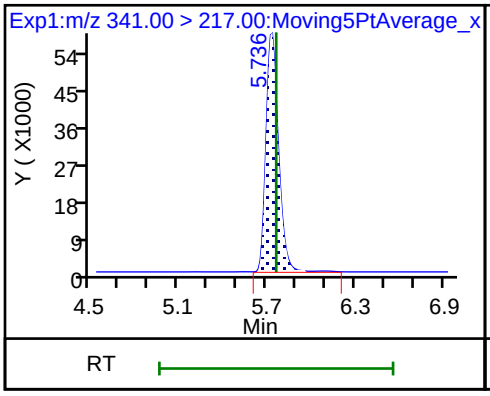
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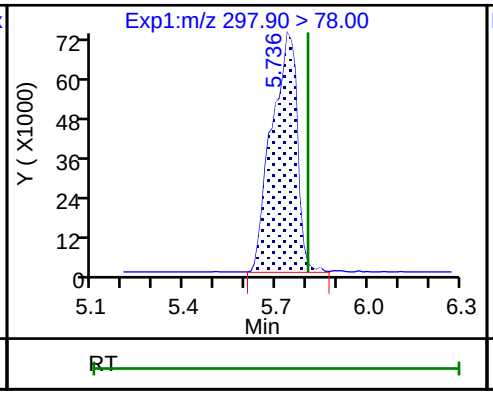
20 5:3 FTCA



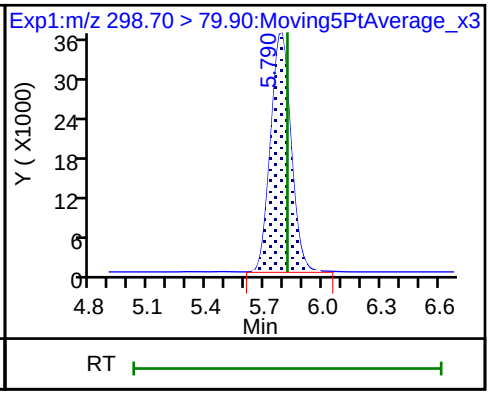
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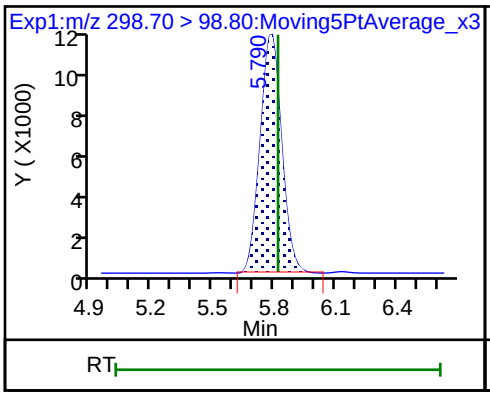
14 FBSA



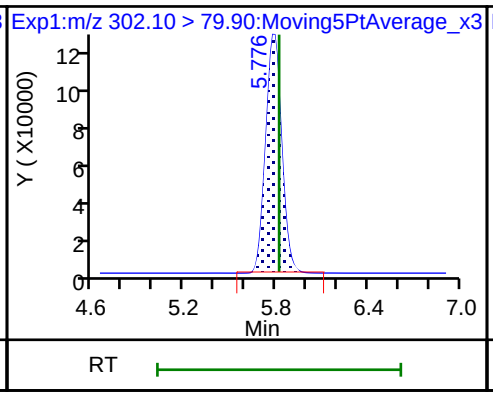
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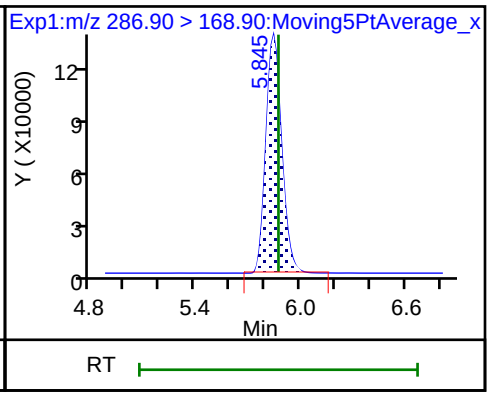
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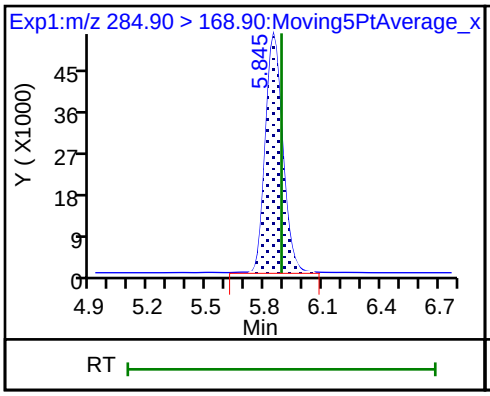
D 19 13C3 PFBS



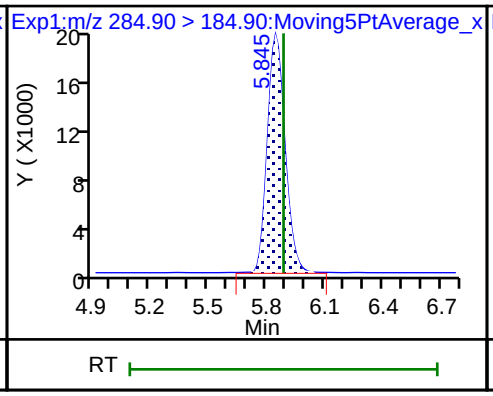
D 23 13C3 HFPO-DA



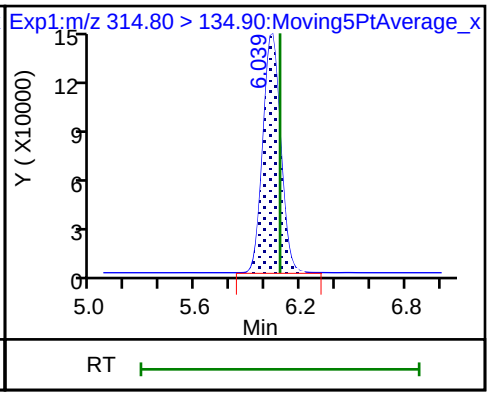
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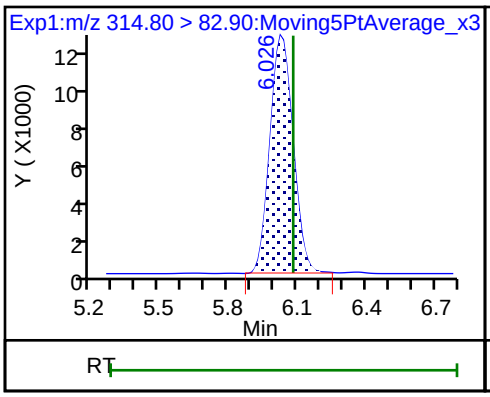
22 HFPO-DA



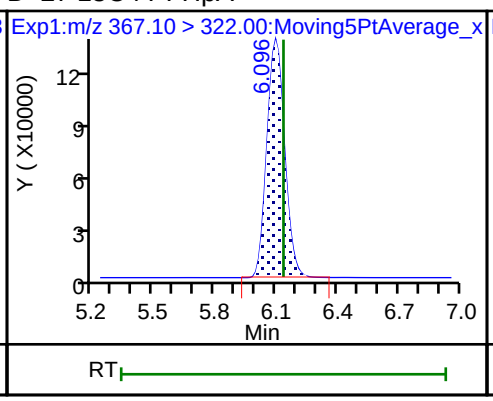
25 PFEESA



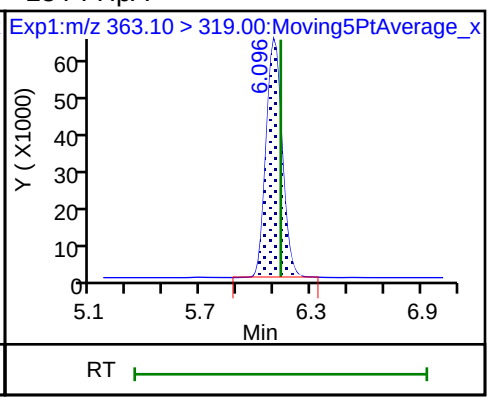
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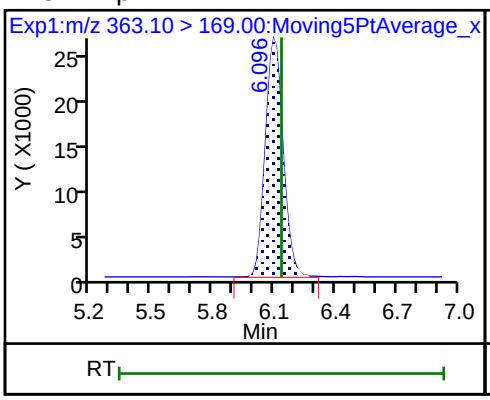
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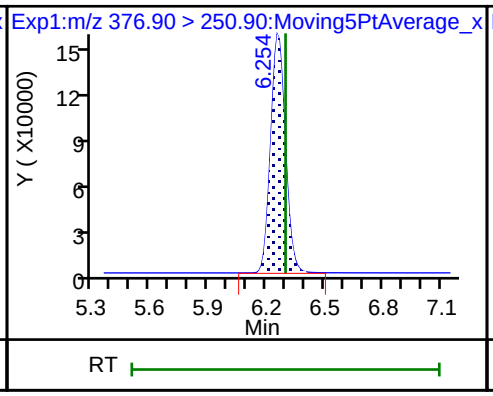
28 PFHpA



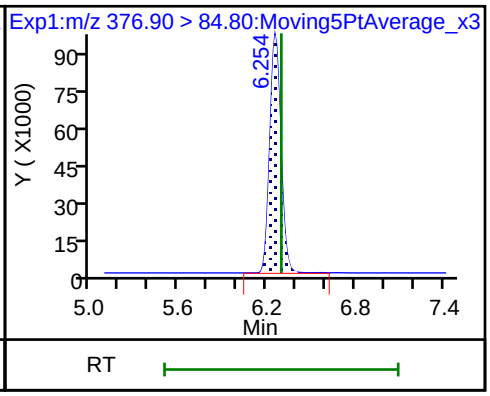
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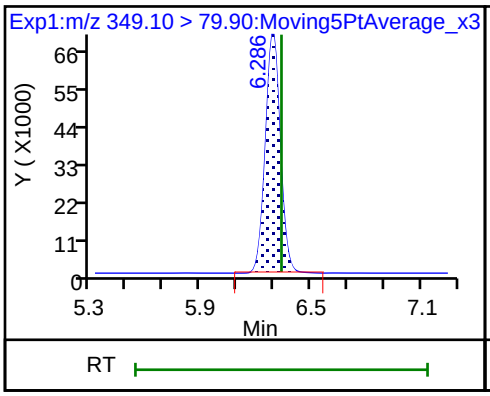
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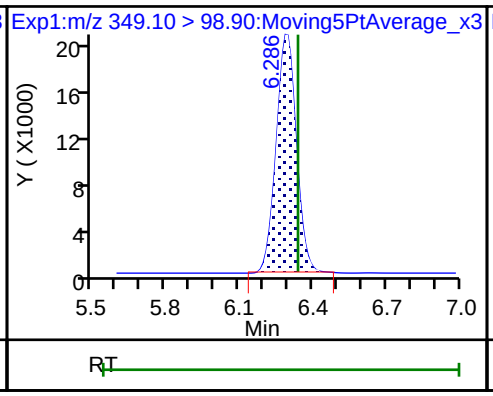
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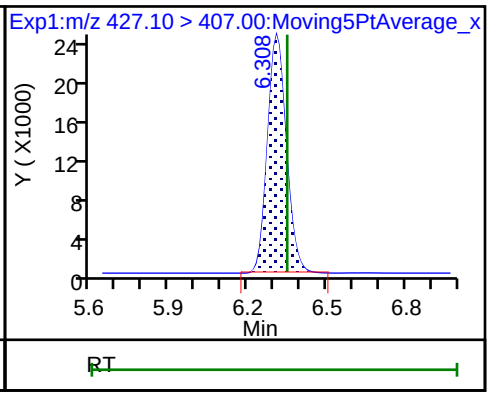
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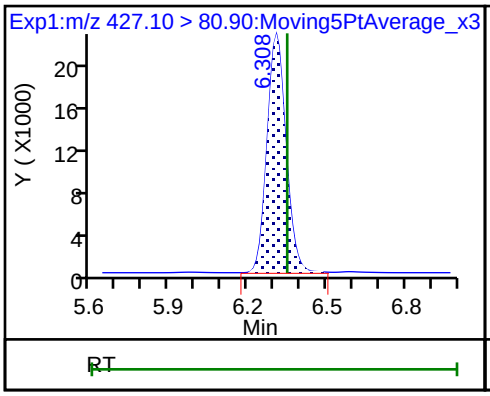
30 PFPeS



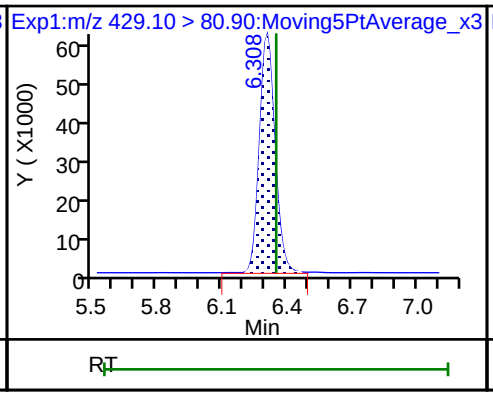
32 6:2FTS



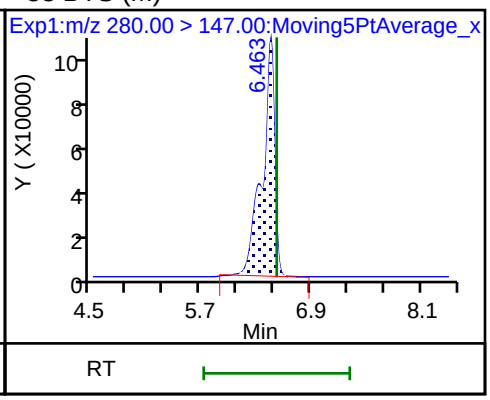
32 6:2FTS



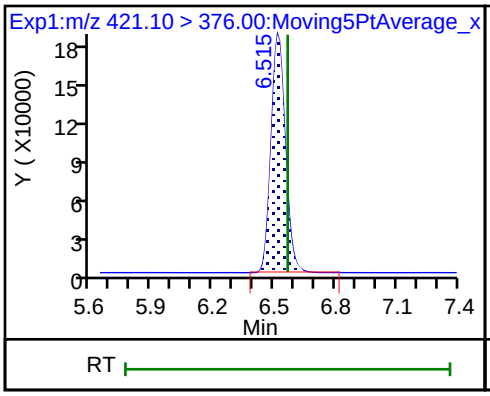
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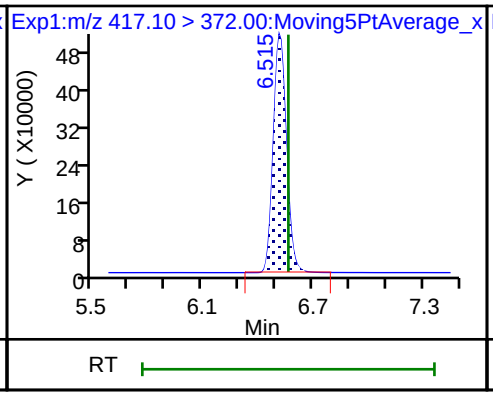
33 BTS (M)



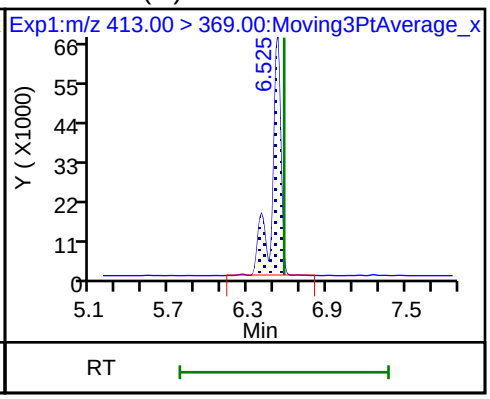
D 34 13C8 PFOA



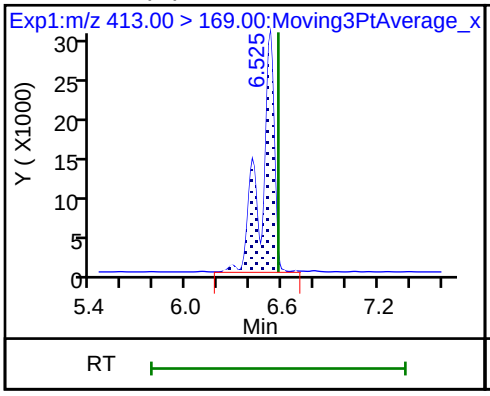
* 40 13C4 PFOA



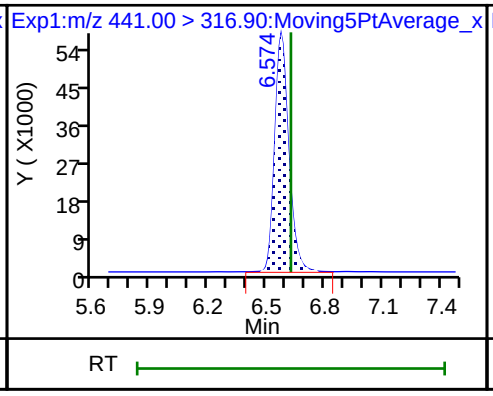
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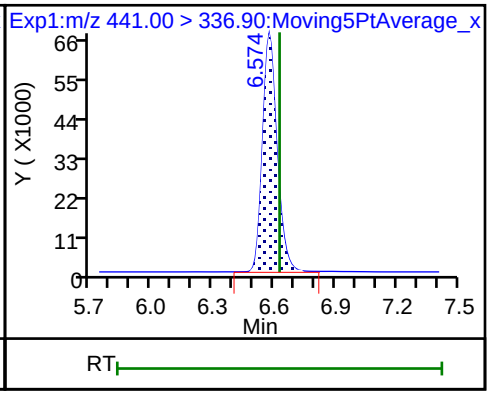
35 PFOA (M)



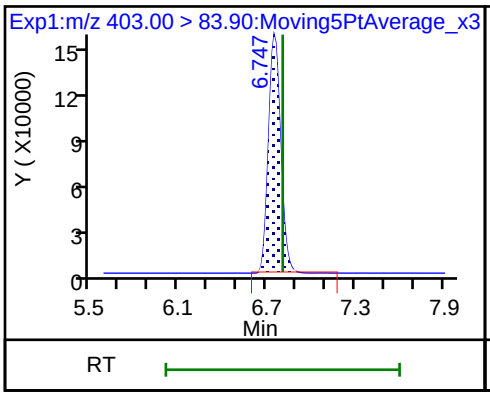
36 7:3 FTCA



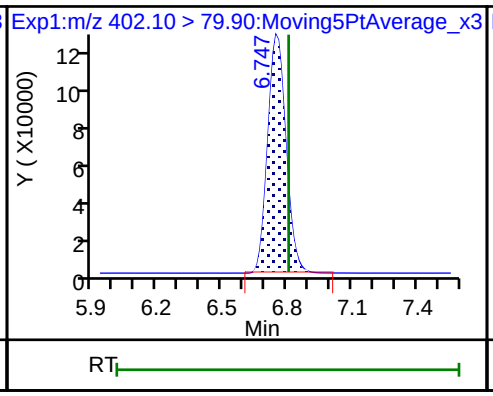
36 7:3 FTCA



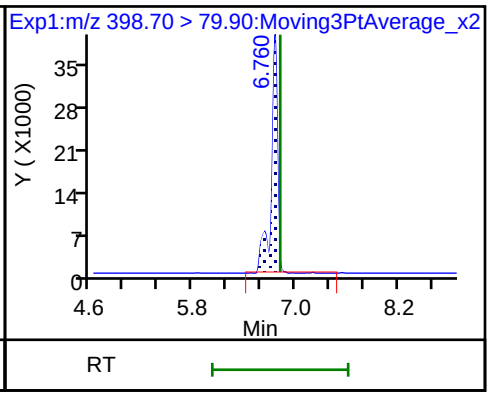
* 38 18O2 PFHxS



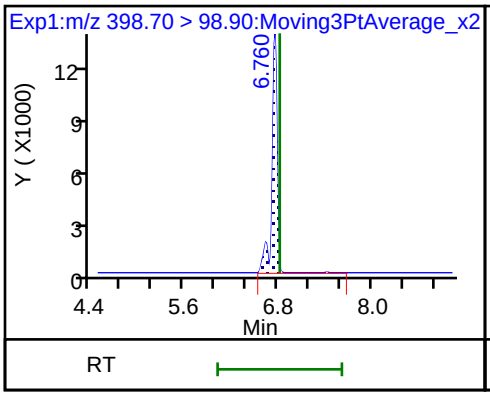
D 37 13C3 PFHxS



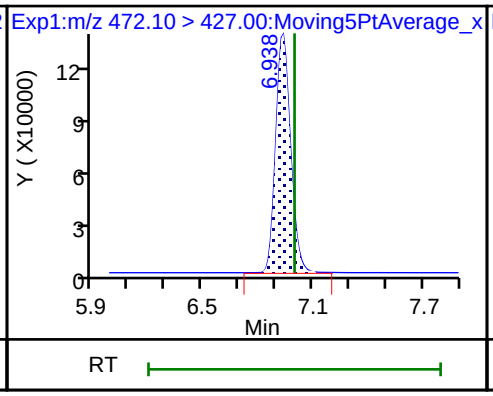
39 PFHxS



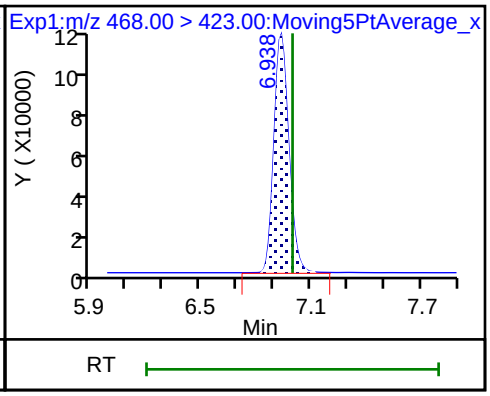
39 PFHxS



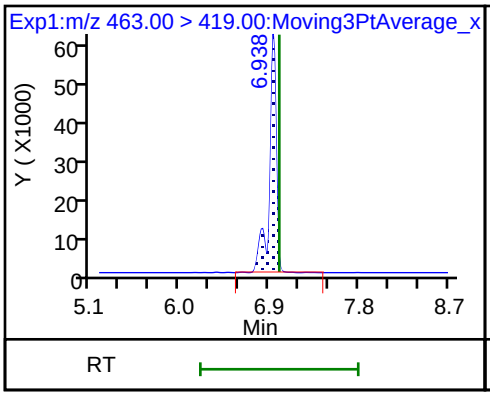
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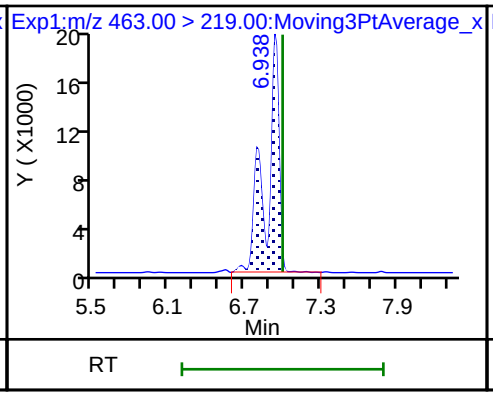
* 42 13C5 PFNA



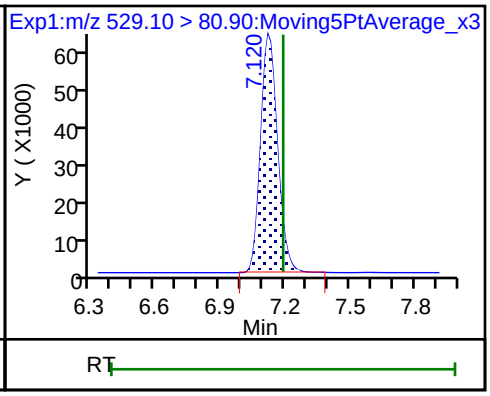
43 PFNA



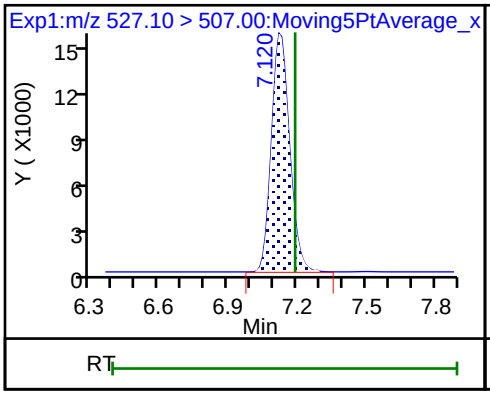
43 PFNA



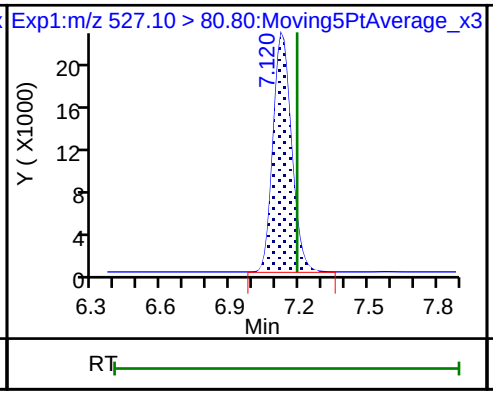
D 45 13C2-8:2FTS



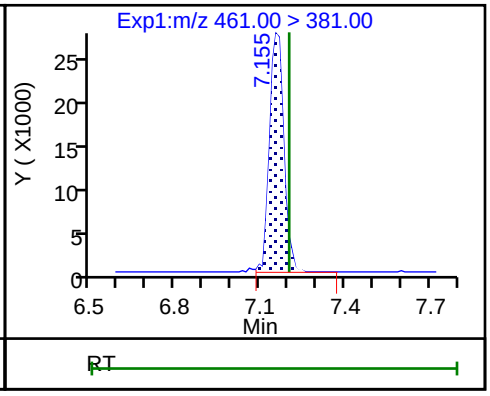
46 8:2FTS



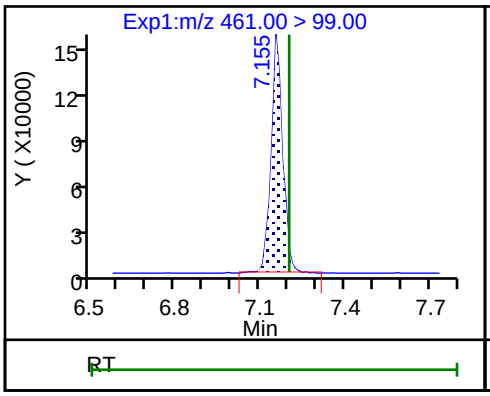
46 8:2FTS



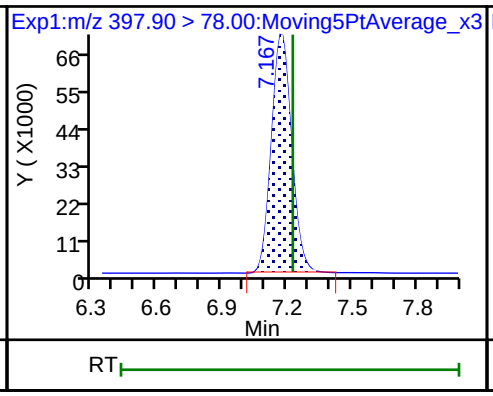
44 PFECHS



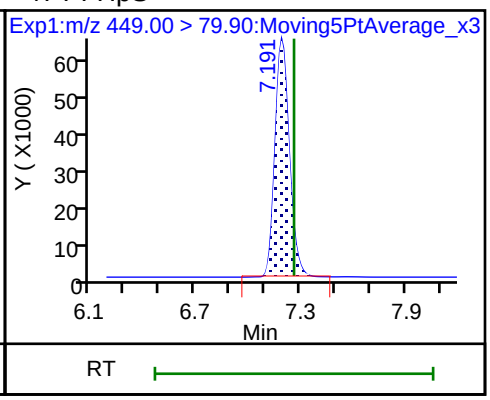
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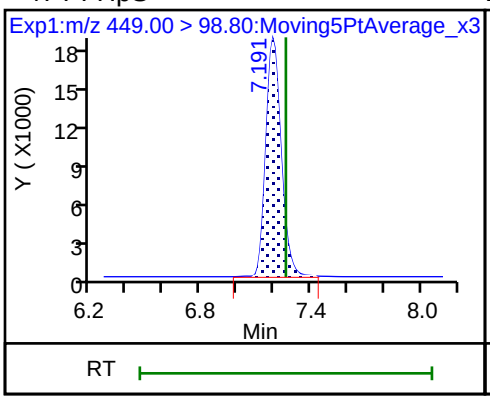
48 FHxSA



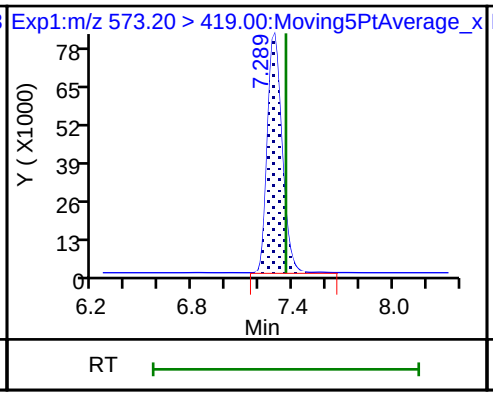
47 PFHpS



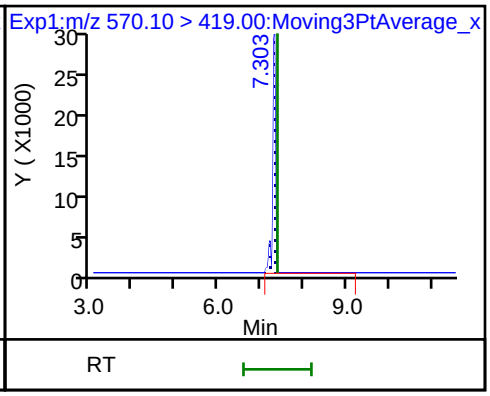
47 PFHpS



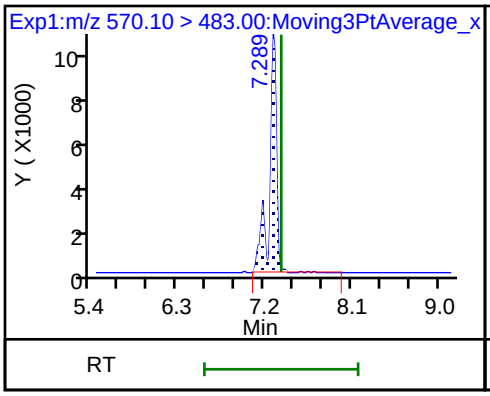
D 49 d3-NMeFOSAA



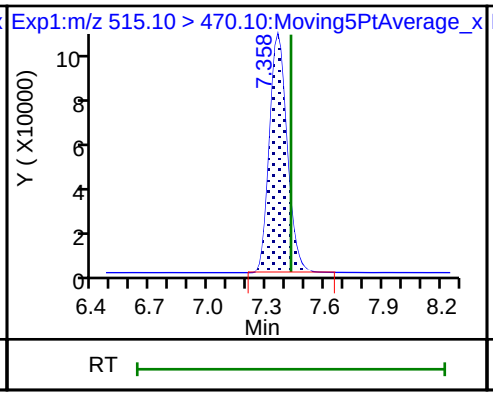
50 NMeFOSAA



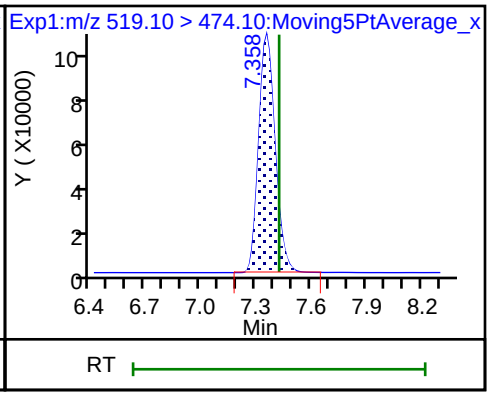
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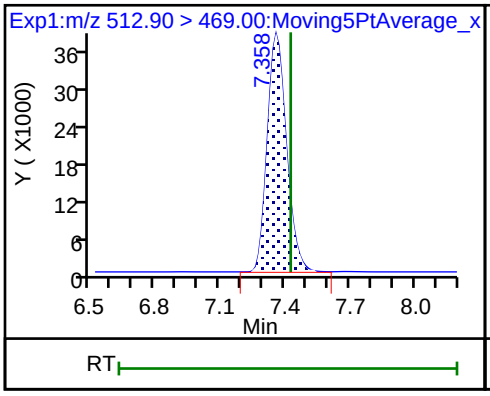
* 51 13C2 PFDA



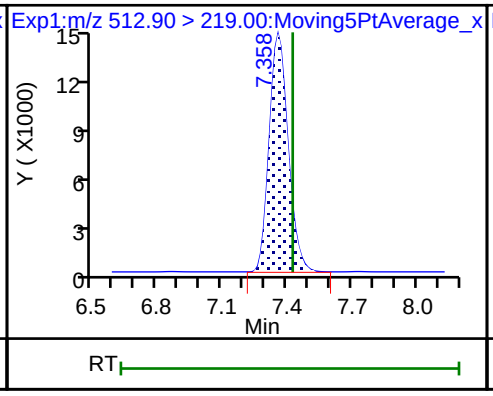
D 52 13C6 PFDA



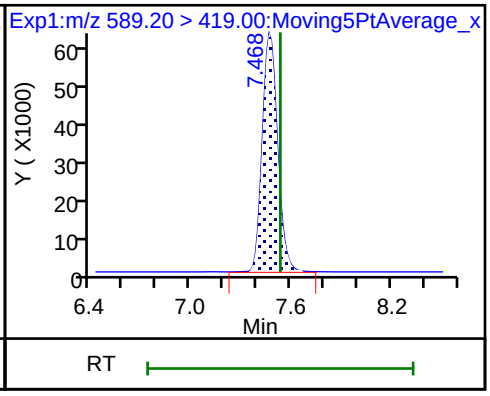
53 PFDA



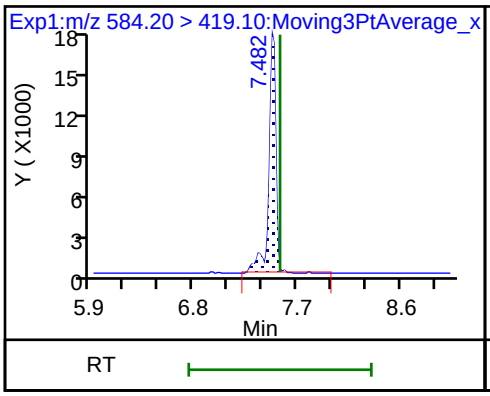
53 PFDA



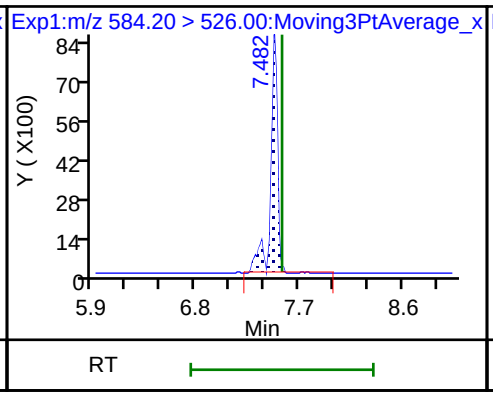
D 54 d5-NEtFOSAA



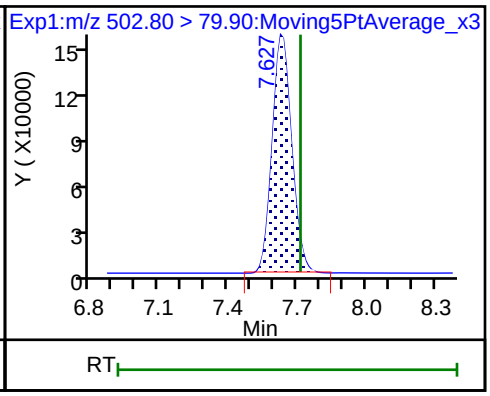
55 NEtFOSAA



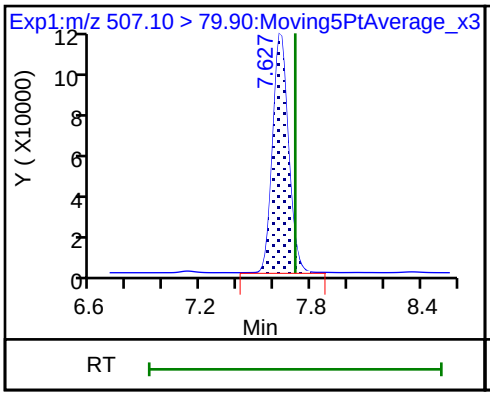
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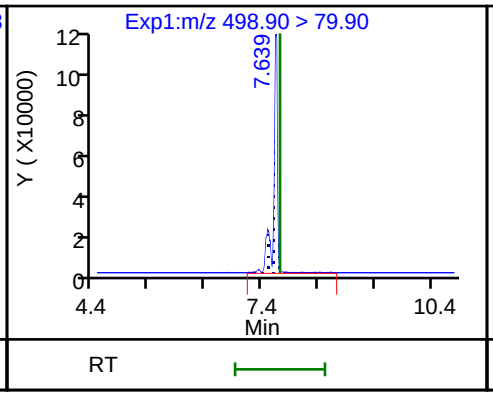
* 57 13C4 PFOS



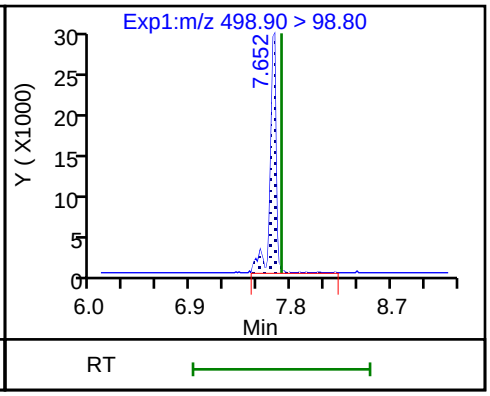
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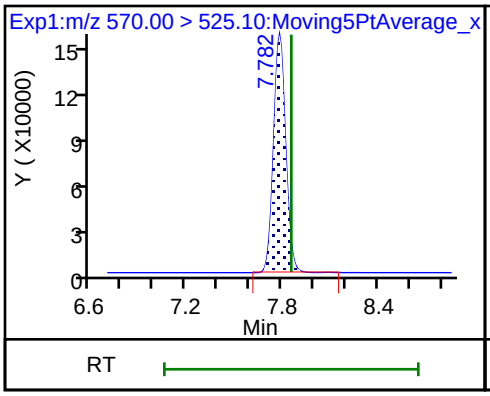
58 PFOS



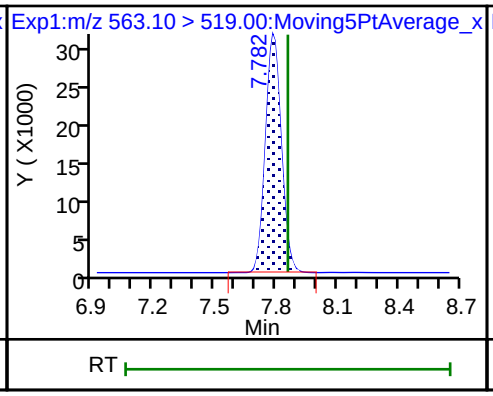
58 PFOS



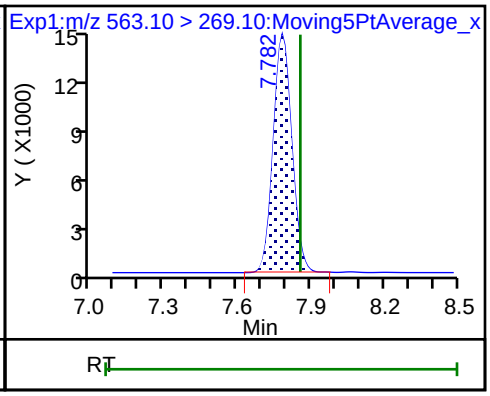
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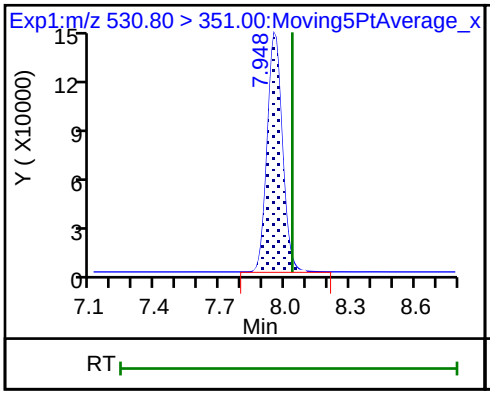
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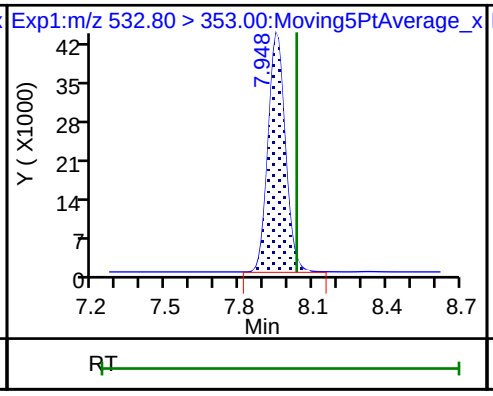
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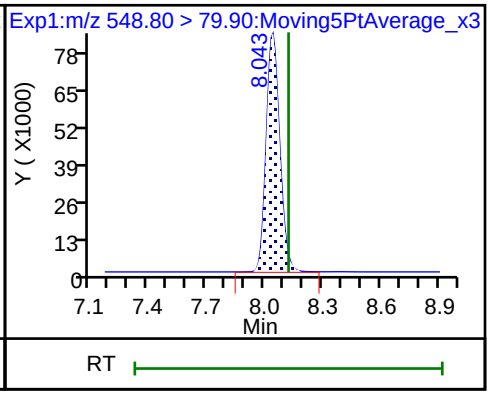
61 9ClFOS



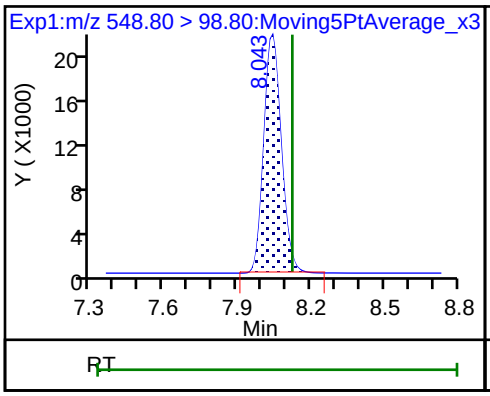
61 9ClFOS



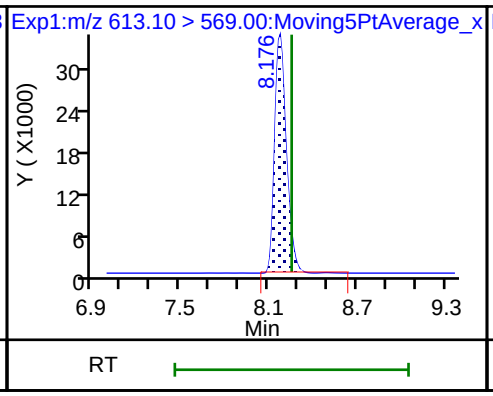
62 PFNS



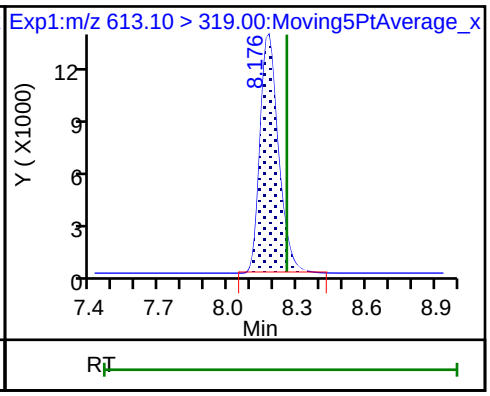
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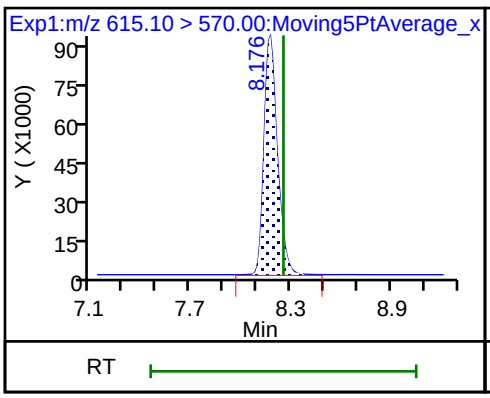
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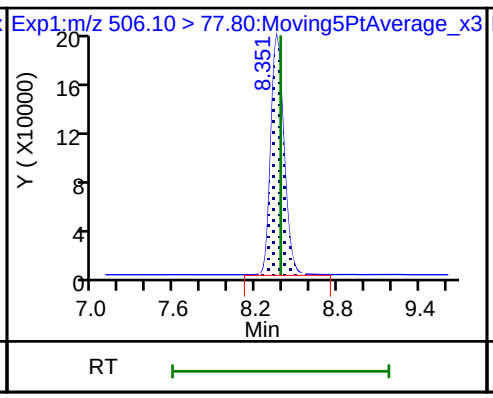
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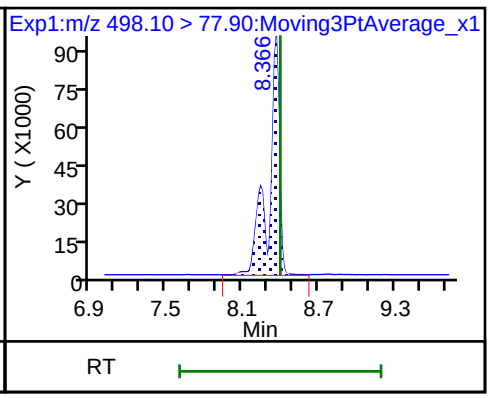
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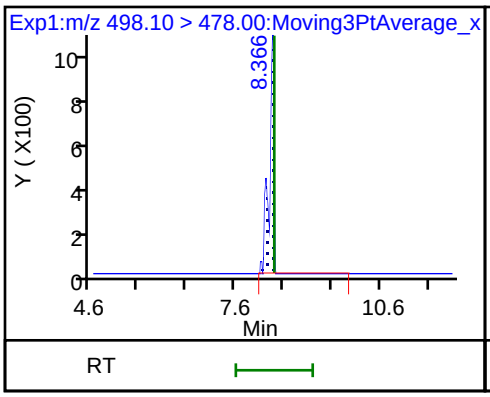
D 66 13C8 FOSA



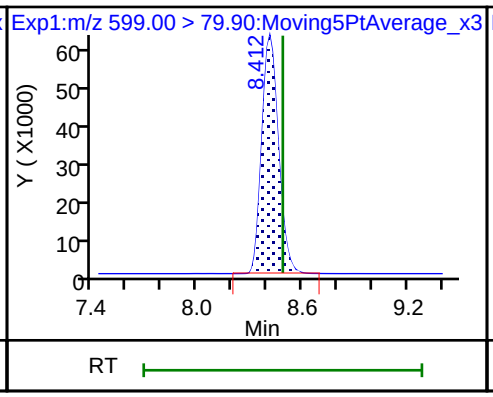
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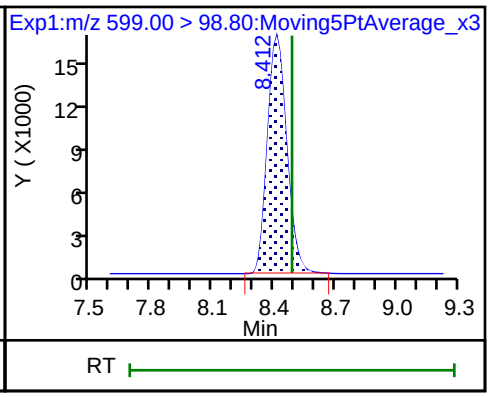
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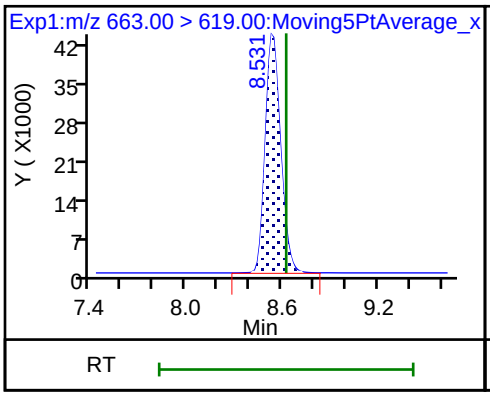
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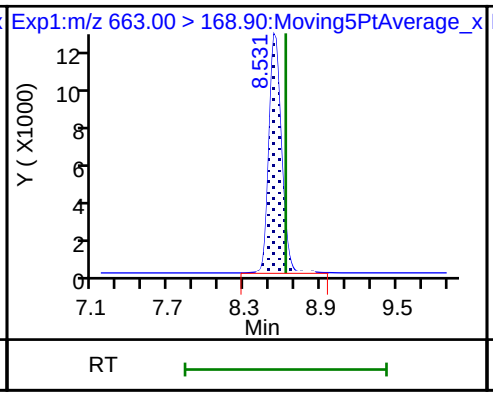
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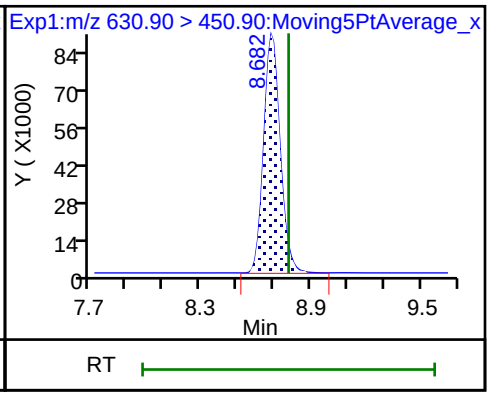
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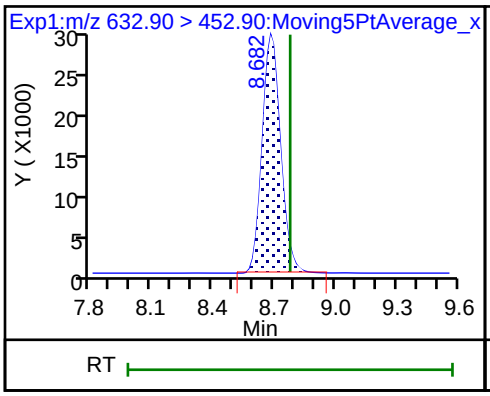
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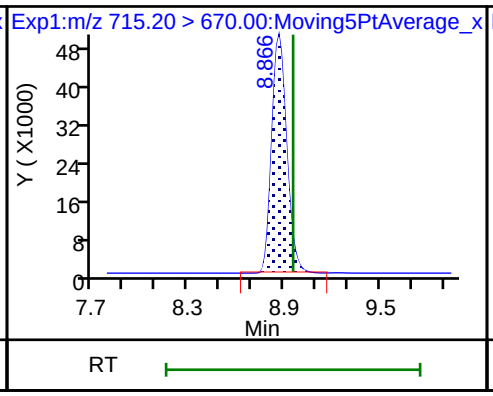
69 11ClFOS



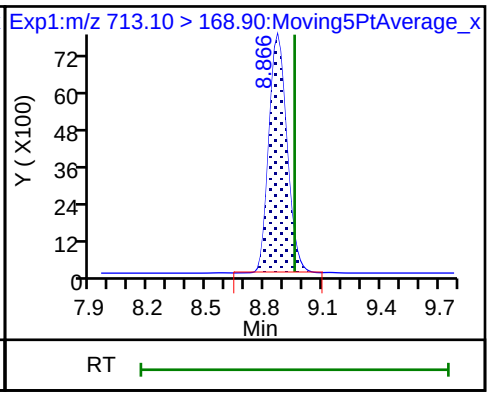
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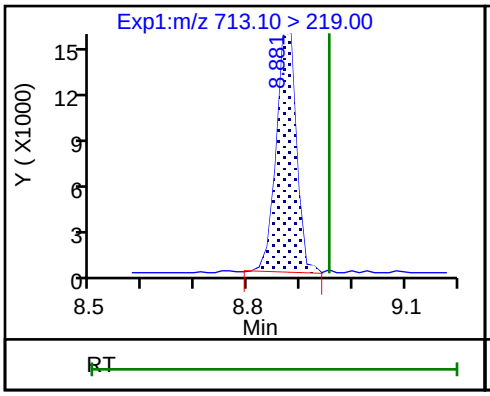
D 70 13C2 PFTeDA



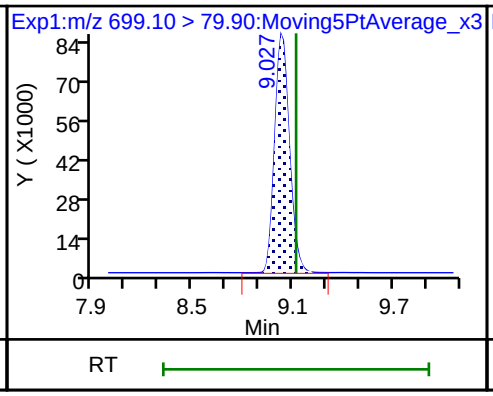
71 PFTeDA



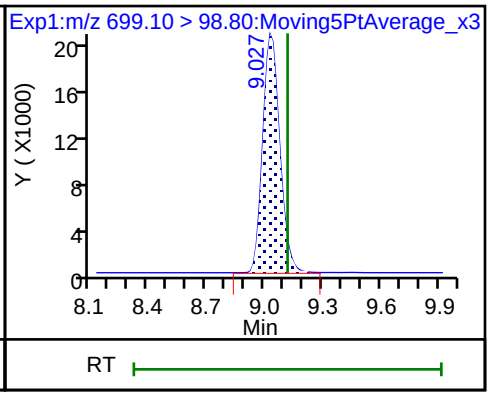
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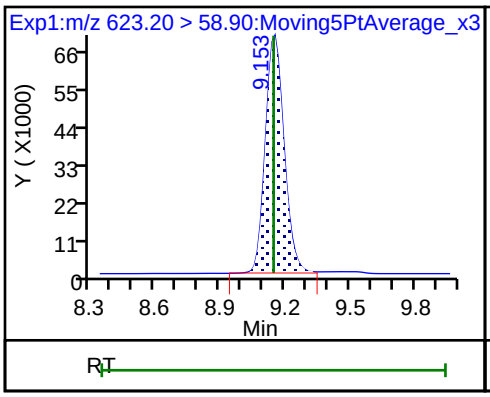
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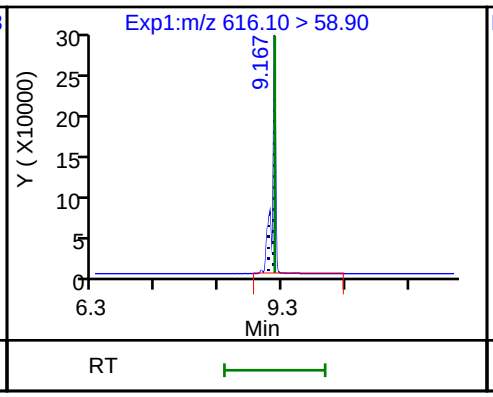
72 PFDoS



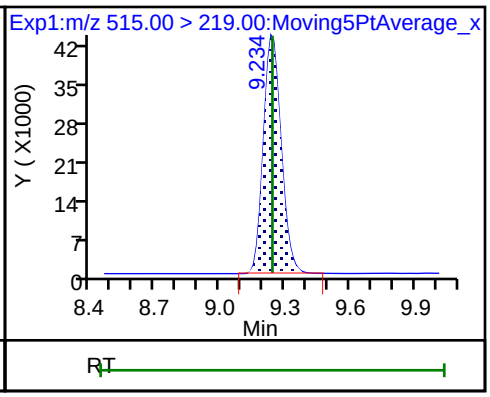
D 73 d7-N-Me-FOSE



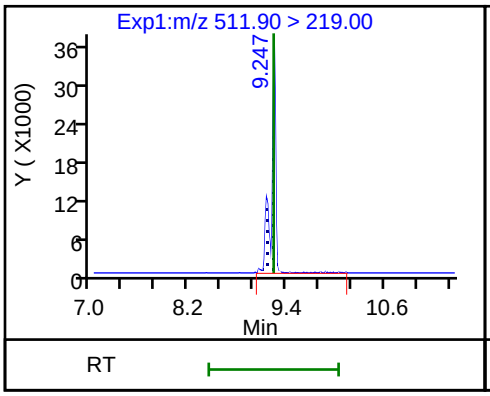
74 N-MeFOSE-M



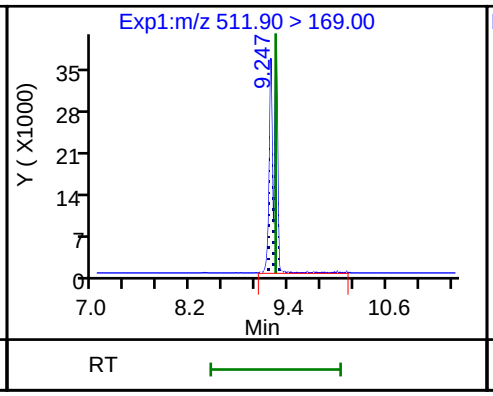
D 75 d3-NMePFOSA



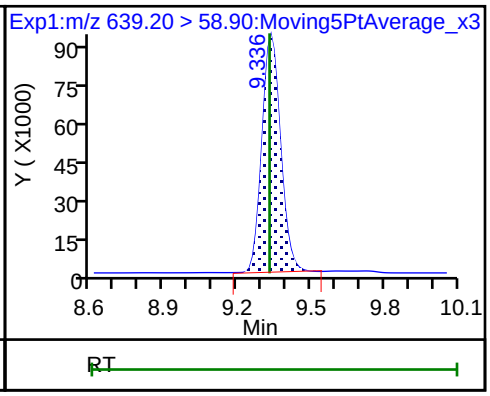
76 NMeFOSA



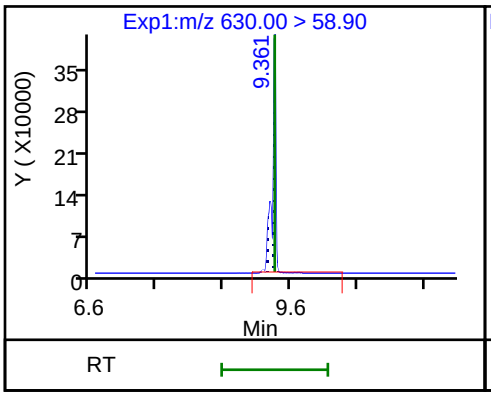
76 NMeFOSA



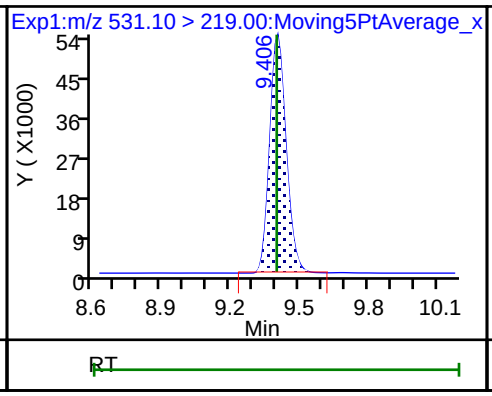
D 77 d9-N-EtFOSE



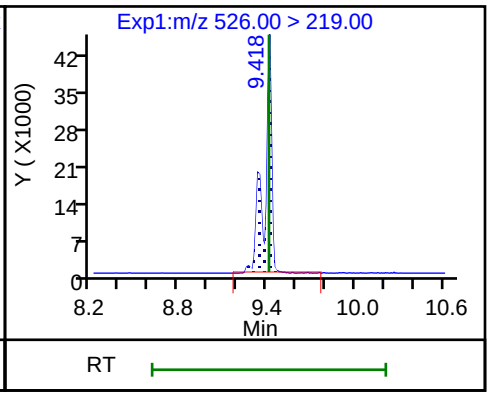
78 N-EtFOSE-M



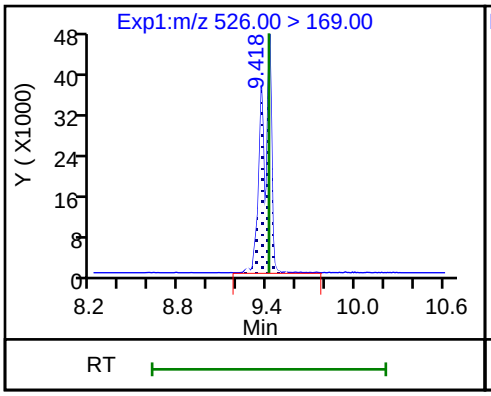
D 79 d5-NEtPFOSA



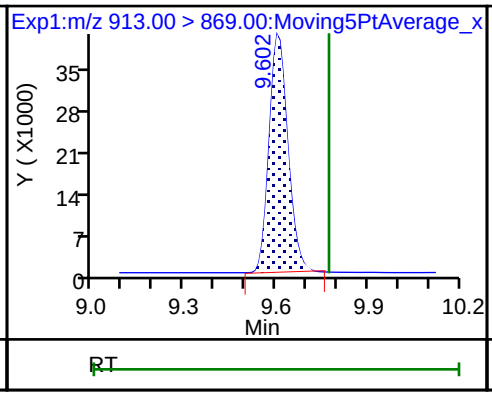
80 N-EtFOSA-M



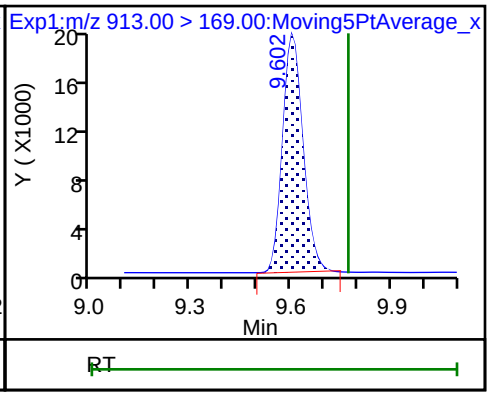
80 N-EtFOSA-M



81 Perfluorooctadecanoic acid



81 Perfluorooctadecanoic acid



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

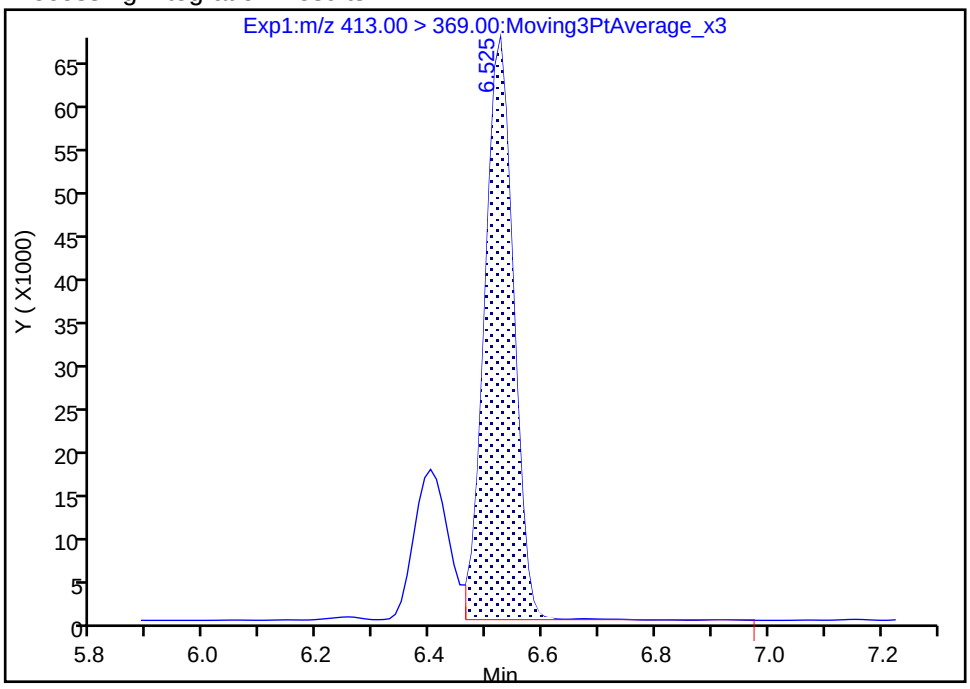
Data File: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR06-40.d
Injection Date: 07-Mar-2025 02:56:02 Instrument ID: 30729
Lims ID: LCSD 410-613587/3-A
Client ID:
Operator ID: ETUS023_USR_INS00054 ALS Bottle#: 32 Worklist Smp#: 36
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Method: 30729_1633Final Limit Group: LC - 1633 LVI- ICAL
Column: Detector EXP1

35 PFOA, CAS: 335-67-1

Signal: 1

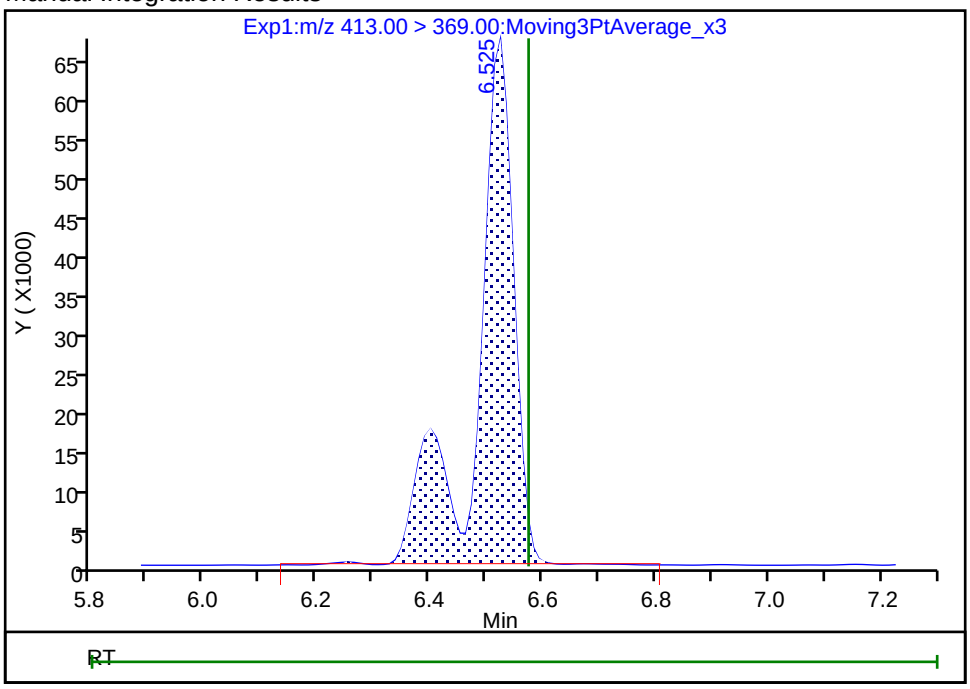
Processing Integration Results

RT: 6.52
Area: 239574
Amount: 0.696955
Amount Units: ng/ml



Manual Integration Results

RT: 6.52
Area: 312689
Amount: 0.909657
Amount Units: ng/ml



Reviewer: RPU6, 10-Mar-2025 15:07:46 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Isomers

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

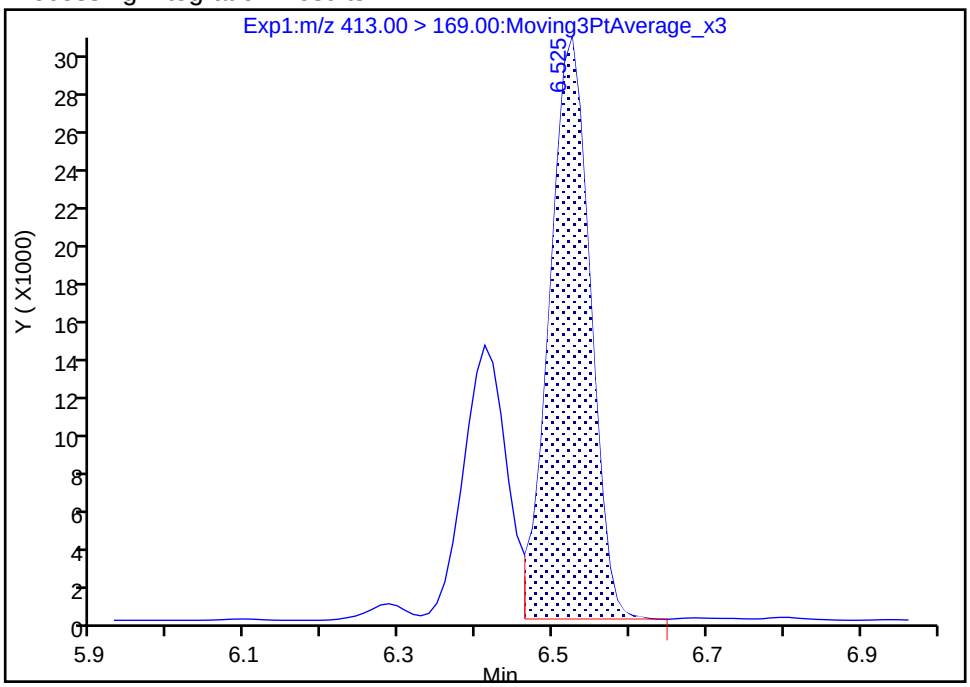
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Injection Date:	07-Mar-2025 02:56:02	Instrument ID:	30729		
Lims ID:	LCSD 410-613587/3-A				
Client ID:					
Operator ID:	ETUS023_USR_INS00054	ALS Bottle#:	32	Worklist Smp#:	36
Injection Vol:	7.0 ul	Dil. Factor:	1.0000		
Method:	30729_1633Final	Limit Group:	LC - 1633 LVI- ICAL		
Column:		Detector	EXP1		

35 PFOA, CAS: 335-67-1

Signal: 2

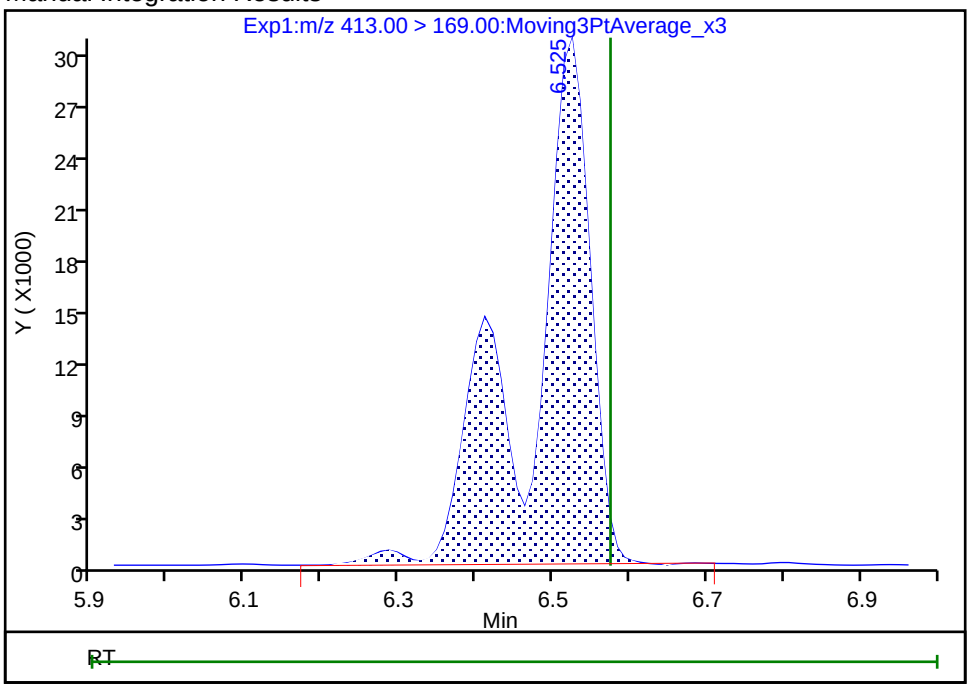
Processing Integration Results

RT: 6.52
Area: 113405
Amount: 0.696955
Amount Units: ng/ml



Manual Integration Results

RT: 6.52
Area: 172274
Amount: 0.909657
Amount Units: ng/ml



Reviewer: RPU6, 10-Mar-2025 15:07:50 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Isomers

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID:
Lab Sample ID: LLCS 410-613015/3-A

Matrix: Water
Lab File ID: 25MAR05W-80.d

Analysis Method: 1633
Date Collected:

Extraction Method: 1633
Date Extracted: 03/05/2025 07:58

Sample wt/vol: 125(mL)
Date Analyzed: 03/06/2025 06:45

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613042
Units: ng/L

Preparation Batch No.: 613015
Instrument ID: 29347

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	8.09		4.0	1.1
2706-90-3	Perfluoropentanoic acid	4.10		2.0	0.60
307-24-4	Perfluorohexanoic acid	3.89		2.0	0.50
375-85-9	Perfluoroheptanoic acid	3.62		2.0	0.80
335-67-1	Perfluorooctanoic acid	4.02		2.0	0.90
375-95-1	Perfluorononanoic acid	4.04		2.0	0.50
335-76-2	Perfluorodecanoic acid	4.05		2.0	0.50
2058-94-8	Perfluoroundecanoic acid	3.93		2.0	0.50
307-55-1	Perfluorododecanoic acid	4.02		2.0	0.50
72629-94-8	Perfluorotridecanoic acid	3.98		2.0	0.50
376-06-7	Perfluorotetradecanoic acid	3.58		2.0	0.50
375-73-5	Perfluorobutanesulfonic acid	3.11		2.0	0.50
2706-91-4	Perfluoropentanesulfonic acid	3.93		2.0	0.50
355-46-4	Perfluorohexanesulfonic acid	3.10		2.0	0.80
375-92-8	Perfluoroheptanesulfonic acid	3.66		2.0	0.50
1763-23-1	Perfluorooctanesulfonic acid	3.70		2.0	0.50
68259-12-1	Perfluorononanesulfonic acid	3.28		2.0	0.50
335-77-3	Perfluorodecanesulfonic acid	3.01		2.0	0.50
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	2.96		2.0	0.60
757124-72-4	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	8.20		4.0	1.0
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	7.83		4.0	1.0
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	9.12		4.0	1.0
754-91-6	Perfluorooctanesulfonamide	4.17		2.0	0.50
31506-32-8	NMeFOSA	4.03		2.0	0.50
4151-50-2	N-ethylperfluoro-1-octanesulfonamide	4.09		2.0	0.50
2355-31-9	NMeFOSAA	4.37		2.0	0.50
2991-50-6	NEtFOSAA	3.95		2.0	0.50

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID:
Lab Sample ID: LLCS 410-613015/3-A

Matrix: Water
Lab File ID: 25MAR05W-80.d

Analysis Method: 1633
Date Collected:

Extraction Method: 1633
Date Extracted: 03/05/2025 07:58

Sample wt/vol: 125(mL)
Date Analyzed: 03/06/2025 06:45

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613042
Units: ng/L

Preparation Batch No.: 613015
Instrument ID: 29347

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
24448-09-7	2-(N-methylperfluoro-1-octanesulfonamido) ethanol	20.4		10	2.5
1691-99-2	2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	20.3		10	2.5
13252-13-6	HFPO-DA	3.05		2.0	0.75
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.28		2.0	0.50
377-73-1	Perfluoro-3-methoxypropanoic acid	4.27		2.0	0.50
863090-89-5	Perfluoro(4-methoxybutanoic acid)	4.42		2.0	0.50
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid	4.98		2.0	0.50
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	4.07		2.0	0.50
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	3.65		2.0	0.50
113507-82-7	PFEESA	3.70		2.0	0.50
356-02-5	3:3 FTCA	8.16		4.0	1.0
914637-49-3	5:3 FTCA	17.3		10	2.8
812-70-4	7:3 FTCA	13.3		10	2.5

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID:
Lab Sample ID: LLCS 410-613015/3-A

Matrix: Water
Lab File ID: 25MAR05W-80.d

Analysis Method: 1633
Date Collected:

Extraction Method: 1633
Date Extracted: 03/05/2025 07:58

Sample wt/vol: 125(mL)
Date Analyzed: 03/06/2025 06:45

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613042
Units: ng/L

Preparation Batch No.: 613015
Instrument ID: 29347

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	81.8		5-130
STL01893	13C5 PFPeA	85.3		40-130
STL02577	13C5 PFHxA	82.2		40-130
STL01892	13C4 PFHpA	90.2		40-130
STL01052	13C8 PFOA	83.7		40-130
STL02578	13C9 PFNA	83.4		40-130
STL02579	13C6 PFDA	80.6		40-130
STL02580	13C7 PFUnA	82.2		30-130
STL02116	13C2 PFTeDA	78.7		10-130
STL02337	13C3 PFBS	79.7		40-135
STL02581	13C3 PFHxS	87.3		40-130
STL01054	13C8 PFOS	91.0		40-130
STL01056	13C8 FOSA	64.6		40-130
STL02118	d3-NMeFOSAA	72.5		40-170
STL02117	d5-NEtFOSAA	79.1		25-135
STL02395	M2-4:2 FTS	74.8		40-200
STL02279	M2-6:2 FTS	89.2		40-200
STL02280	M2-8:2 FTS	78.4		40-300
STL02255	13C3 HFPO-DA	84.9		40-130
STL02277	d7-N-MeFOSE-M	61.1		10-130
STL02278	d9-N-EtFOSE-M	59.4		10-130
STL02704	d5-NEtPFOSA	44.3		10-130
STL02705	d3-NMePFOSA	44.1		10-130
STL00998	13C2 PFDoA	72.4		10-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\25MAR05W-80.d
Lims ID: LLCS 410-613015/3-A
Client ID:
Sample Type: LLCS
Inject. Date: 06-Mar-2025 06:45:02 ALS Bottle#: 36 Worklist Smp#: 142
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: LLCS 410-613015/3-A
Misc. Info.: Plate: 1 Rack: 1 410-0139917-142
Operator ID: US19_USR_INS00012E Instrument ID: 29347

Method: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\29347_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 06-Mar-2025 15:56:13 Calib Date: 27-Feb-2025 16:49:35
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\29347\20250227-139404.b\25FEB27ICAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1676

First Level Reviewer: JU9U Date: 06-Mar-2025 15:50:20
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C3PFPrA										
166.00 > 121.00	1.755	1.806	-0.051	0.427	897407	1.68		84.0	333	
2 Perfluoropropionic acid										
163.00 > 119.00	1.755	1.815	-0.060	1.000	236256	0.5018		100	0.9	
D 4 13C4-PFBA										
216.80 > 171.90	4.108	4.116	-0.008	1.000	2051353	1.64		81.8	51056	
3 PFBA										
212.80 > 168.90	4.108	4.116	-0.008	1.000	201676	0.2024		101	93.9	
* 5 13C3PFBA										
216.00 > 172.00	4.108	4.116	-0.008		2189389	2.00			342	
7 PFMPA										
229.00 > 84.90	4.350	4.361	-0.011	0.924	93092	0.1069		107	3360	
6 3:3 FTCA										
241.00 > 177.00	4.358	4.361	-0.003	0.926	10442	0.2039	Target=1.13	102	825	
241.00 > 117.00	4.350	4.361	-0.011	0.924	8663		1.21(0.56-1.69)		203	
8 PFPA										
263.00 > 219.00	4.708	4.711	-0.003	1.000	73845	0.1025		103	774	
D 9 13C5 PFPeA										
268.30 > 223.00	4.708	4.711	-0.003	0.894	838113	1.71		85.3	36917	
10 PFMBA										
279.00 > 85.10	4.884	4.897	-0.013	1.037	82866	0.1106		111	3610	
11 4:2FTS										
327.10 > 307.00	5.050	5.063	-0.013	1.000	67197	0.2049	Target=1.58	110	4685	
327.10 > 80.90	5.050	5.063	-0.013	1.000	43341		1.55(0.79-2.37)		907	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.050	5.063	-0.013	0.780	453646	3.51		74.8	23780	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.205	5.217	-0.012	0.988	26777	0.1244	Target=19.85	124	1747	
295.00 > 84.90	5.214	5.217	-0.003	0.990	1548		17.30(9.92-29.77)		116	
16 PFHxA										
313.00 > 269.00	5.269	5.272	-0.003	1.000	92653	0.0974	Target=13.05	97.4	1517	
313.00 > 118.90	5.259	5.272	-0.013	0.998	7360		12.59(6.53-19.58)		505	
D 17 13C5 PFHxA										
318.00 > 273.00	5.269	5.281	-0.012	1.000	1689999	1.64		82.2	85785	
* 15 13C2 PFHxA										
315.10 > 270.00	5.269	5.281	-0.012		4758813	5.00			138623	
18 5:3 FTCA										
341.00 > 237.10	5.363	5.375	-0.012	1.018	49008	0.4330	Target=2.86	86.6	2506	
341.00 > 217.00	5.354	5.375	-0.021	1.016	17932		2.73(1.43-4.29)		1207	
19 PFBS										
298.70 > 79.90	5.404	5.418	-0.014	1.000	106324	0.0778	Target=3.09	87.6	4294	
298.70 > 98.80	5.393	5.418	-0.025	0.998	39400		2.70(1.55-4.64)		1441	
D 20 13C3 PFBS										
302.10 > 79.90	5.404	5.418	-0.014	0.834	2333312	1.49		79.7	91741	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.481	5.496	-0.015	1.040	1123675	1.70		84.9	41015	
21 HFPO-DA										
284.90 > 168.90	5.481	5.496	-0.015	1.000	49150	0.0763	Target=15.31	102	1439	
284.90 > 184.90	5.470	5.496	-0.026	0.998	3447		14.26(7.65-22.96)		214	
24 PFEESA										
314.80 > 134.90	5.688	5.701	-0.013	1.080	343269	0.0926	Target=13.22	104	13801	
314.80 > 82.90	5.688	5.701	-0.013	1.080	26805		12.81(6.61-19.83)		762	
26 PFHpA										
363.10 > 319.00	5.777	5.790	-0.013	1.000	120511	0.0905	Target=3.46	90.5	2908	
363.10 > 169.00	5.766	5.790	-0.024	0.998	41046		2.94(1.73-5.19)		1932	
D 27 13C4 PFHpA										
367.10 > 322.00	5.777	5.790	-0.013	1.096	2268009	1.80		90.2	108860	
28 ADONA										
376.90 > 250.90	5.951	5.963	-0.012	1.086	153152	0.0821	Target=14.06	86.8	10400	
376.90 > 84.80	5.951	5.963	-0.012	1.086	9466		16.18(7.03-21.09)		607	
29 PFPeS										
349.10 > 79.90	5.972	5.983	-0.011	0.922	127263	0.0982	Target=2.97	105	7886	
349.10 > 98.90	5.972	5.983	-0.011	0.922	42019		3.03(1.48-4.45)		2490	
30 6:2FTS										
427.10 > 407.00	6.021	6.031	-0.010	1.000	73612	0.1959	Target=1.46	103	5222	
427.10 > 80.90	6.011	6.031	-0.020	0.998	54237		1.36(0.73-2.20)		2958	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.021	6.031	-0.010	0.930	380841	4.24		89.2	27321	
33 FBSA										M
279.90 > 78.00	6.148	6.168	-0.020	1.138	202612	0.1129		113	7106	M
32 BTS										M
280.00 > 147.00	6.148	6.177	-0.029	0.949	466963	0.1028		105	275	M
D 34 13C8 PFOA										
421.10 > 376.00	6.243	6.254	-0.011	1.000	2318401	1.67		83.7	98403	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 35 13C4 PFOA										
417.10 > 372.00	6.243	6.254	-0.011		6829345	5.00			487508	
36 PFOA										
413.00 > 369.00	6.243	6.254	-0.011	1.000	117034	0.1006	Target=2.10	101	10767	
413.00 > 169.00	6.234	6.254	-0.020	0.998	50631		2.31(1.05-3.15)		12433	
37 7:3 FTCA										
441.00 > 316.90	6.292	6.312	-0.020	1.194	32575	0.3333	Target=0.46	66.7	2246	
441.00 > 336.90	6.292	6.312	-0.020	1.194	58514		0.56(0.23-0.69)		3024	
* 38 18O2 PFHxS										
403.00 > 83.90	6.476	6.496	-0.020		2742558	1.89			134927	
40 PFHxS										
398.70 > 79.90	6.476	6.496	-0.020	1.000	116685	0.0775	Target=2.96	85.0	221	
398.70 > 98.90	6.476	6.496	-0.020	1.000	44822		2.60(1.48-4.44)		69.3	
D 39 13C3 PFHxS										
402.10 > 79.90	6.476	6.496	-0.020	1.000	2352936	1.65		87.3	93544	
* 43 13C5 PFNA										
468.00 > 423.00	6.682	6.701	-0.019		2770665	2.00			150404	
42 PFNA										
463.00 > 419.00	6.691	6.701	-0.010	1.001	110385	0.1009	Target=5.06	101	34039	
463.00 > 219.00	6.691	6.701	-0.010	1.001	26763		4.12(2.53-7.59)		38.7	
D 41 13C9 PFNA										
472.10 > 427.00	6.682	6.701	-0.019	1.000	2258999	1.67		83.4	122083	
48 FHxSA										
397.90 > 78.00	6.841	6.864	-0.023	1.056	125315	0.0973		97.3	4030	
44 8:2FTS										
527.10 > 507.00	6.880	6.889	-0.009	1.000	43478	0.2279	Target=1.12	119	3362	
527.10 > 80.80	6.872	6.889	-0.017	0.999	33681		1.29(0.56-1.68)		2544	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.880	6.898	-0.018	1.062	211822	3.76		78.4	16246	
46 PFECHS										
461.00 > 381.00	6.889	6.907	-0.018	1.064	36809	0.1028	Target=0.23	111	2620	
461.00 > 99.00	6.889	6.907	-0.018	1.064	140952		0.26(0.11-0.34)		7674	
47 PFHpS										
449.00 > 79.90	6.934	6.952	-0.018	0.941	139961	0.0916	Target=3.51	96.0	6059	
449.00 > 98.80	6.934	6.952	-0.018	0.941	39909		3.51(1.75-5.26)		2861	
D 50 d3-NMeFOSAA										
573.20 > 419.00	7.050	7.058	-0.008	0.956	2132804	3.63		72.5	95154	
49 NMeFOSAA										
570.10 > 419.00	7.050	7.067	-0.017	1.000	50535	0.1093	Target=2.33	109	162	
570.10 > 483.00	7.059	7.067	-0.009	1.001	21140		2.39(1.16-3.49)		70.2	
51 PFDA										
512.90 > 469.00	7.111	7.128	-0.017	1.000	96732	0.1012	Target=6.65	101	3601	
512.90 > 219.00	7.111	7.128	-0.017	1.000	15657		6.18(3.33-9.98)		1147	
D 53 13C6 PFDA										
519.10 > 474.10	7.111	7.128	-0.017	1.000	1816776	1.61		80.6	102132	
* 52 13C2 PFDA										
515.10 > 470.10	7.111	7.128	-0.017		2200621	2.00			122921	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.228	7.246	-0.018	0.981	1999467	3.95		79.1	107899	
55 NEtFOSAA										
584.20 > 419.10	7.237	7.255	-0.018	1.001	33557	0.0987	Target=2.61	98.7	58.4	
584.20 > 526.00	7.246	7.255	-0.009	1.002	14889		2.25(1.31-3.92)		21.3	
D 56 13C8 PFOS										
507.10 > 79.90	7.371	7.388	-0.017	1.000	2642156	1.74		91.0	63734	
58 PFOS										
498.90 > 79.90	7.371	7.388	-0.017	1.000	163678	0.0926	Target=3.87	99.6	21837	
498.90 > 98.80	7.371	7.388	-0.017	1.000	41599		3.93(1.93-5.80)		89.1	
* 57 13C4 PFOS										
502.80 > 79.90	7.371	7.398	-0.027		3086407	1.91			133798	
59 PFUnA										
563.10 > 519.00	7.531	7.551	-0.020	1.000	57520	0.0982	Target=6.45	98.2	2900	
563.10 > 269.10	7.531	7.551	-0.020	1.000	8396		6.85(3.23-9.68)		593	
D 60 13C7 PFUnA										
570.00 > 525.10	7.531	7.551	-0.020	1.059	1321124	1.64		82.2	89866	
61 9ClFOS										
530.80 > 351.00	7.701	7.718	-0.017	1.405	245292	0.1018	Target=3.27	109	18150	
532.80 > 353.00	7.693	7.718	-0.025	1.404	76248		3.22(1.64-4.91)		5713	
62 PFNS										
548.80 > 79.90	7.797	7.816	-0.019	1.058	101324	0.0821	Target=3.46	85.3	5532	
548.80 > 98.80	7.789	7.816	-0.027	1.057	28228		3.59(1.73-5.19)		2004	
63 PFDoA										
613.10 > 569.00	7.937	7.960	-0.023		50275	0.1005	Target=8.39	100	4041	
613.10 > 319.00	7.937	7.960	-0.023		6720		7.48(4.19-12.58)		549	
D 64 PFDoA										
615.10 > 570.00	7.937	7.960	-0.023	1.116	939619	1.45		72.4	73636	
D 66 13C8 FOSA										
506.10 > 77.80	8.059	8.066	-0.007	1.093	1884284	1.29		64.6	70838	
65 PFOSA										M
498.10 > 77.90	8.059	8.074	-0.015	1.000	107204	0.1042	Target=55.40	104	224	
498.10 > 478.00	8.036	8.074	-0.038	0.997	2054		52.19(27.70-83.10)		13.1	M
67 PFDS										
599.00 > 79.90	8.186	8.203	-0.017	1.111	102967	0.0753	Target=3.75	78.1	6063	
599.00 > 98.80	8.186	8.203	-0.017	1.111	28660		3.59(1.87-5.62)		2190	
68 PFTrDA										
663.00 > 619.00	8.320	8.336	-0.016	0.959	73120	0.0996	Target=4.52	99.6	5688	
663.00 > 168.90	8.320	8.336	-0.016	0.959	17699		4.13(2.26-6.78)		1345	
69 11ClFOS										
630.90 > 450.90	8.476	8.495	-0.018	1.546	226727	0.0912	Target=3.74	96.6	16187	
632.90 > 452.90	8.476	8.495	-0.018	1.546	64175		3.53(1.87-5.61)		4486	
70 PFTeDA										
713.10 > 168.90	8.668	8.689	-0.021	0.999	15413	0.0895	Target=1.81	89.5	996	
713.10 > 219.00	8.668	8.689	-0.021	0.999	8879		1.74(0.91-2.72)		551	
D 71 13C2 PFTeDA										
715.20 > 670.00	8.679	8.689	-0.010	1.221	1078971	1.57		78.7	50698	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
72 PFDoS										
699.10 > 79.90	8.858	8.885	-0.027	1.202	116762	0.0740	Target=4.23	76.3	2636	
699.10 > 98.80	8.858	8.885	-0.027	1.202	26083		4.48(2.12-6.35)		1933	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	8.999	8.998	0.001	1.221	504167	3.06		61.1	3853	
74 N-MeFOSE-M										
616.10 > 58.90	9.018	9.016	0.002	1.002	59458	0.5094		102	17023	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.109	9.099	0.010	1.236	284044	0.8829		44.1	22373	
76 NMeFOSA										
511.90 > 219.00	9.100	9.107	-0.007	0.999	17353	0.1007	Target=0.56	101	37.2	
511.90 > 169.00	9.109	9.107	0.002	1.000	31192		0.56(0.28-0.85)		103	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.226	9.224	0.002	1.252	612915	2.97		59.4	2623	
78 N-EtFOSE-M										
630.00 > 58.90	9.238	9.237	0.001	1.001	73003	0.5076		102	6864	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.301	9.299	0.002	1.262	318739	0.8856		44.3	14774	
80 N-EtFOSA-M										
526.00 > 219.00	9.313	9.312	0.001	1.001	19704	0.1023	Target=0.74	102	103	
526.00 > 169.00	9.313	9.312	0.001	1.001	24896		0.79(0.37-1.11)		6410	
81 Perfluorooctadecanoic acid										
913.00 > 869.00	9.515	9.535	-0.020	1.096	95892	0.0551	Target=7.31	55.1	5123	
913.00 > 169.00	9.515	9.535	-0.020	1.096	13637		7.03(3.65-10.96)		977	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_IS_V_00233 Amount Added: 50.00 Units: uL

Report Date: 06-Mar-2025 15:56:45 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\29347\20250305-139917.b\25MAR05W-80.d

Injection Date: 06-Mar-2025 06:45:02 Instrument ID: 29347

Lims ID: LLCS 410-613015/3-A

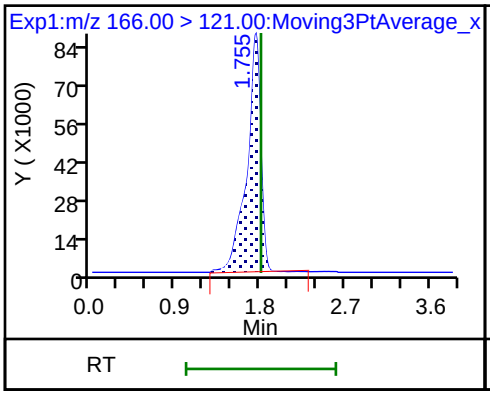
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Operator ID: US19_USR_INS00012E ALS Bottle#: 36 Worklist Smp#: 142

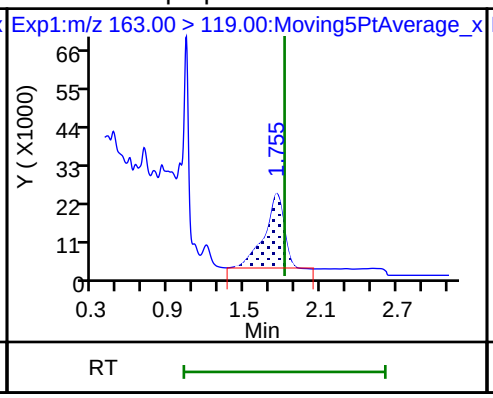
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Method: 29347_1633Final Limit Group: LC - 1633 LVI- ICAL

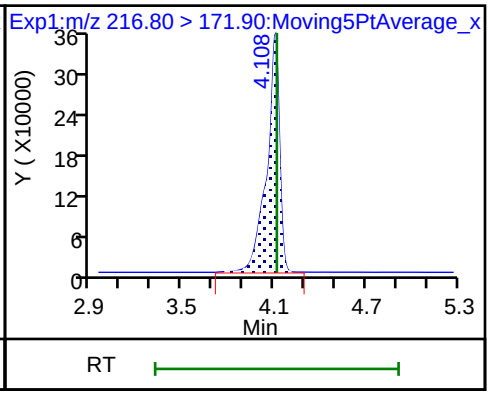
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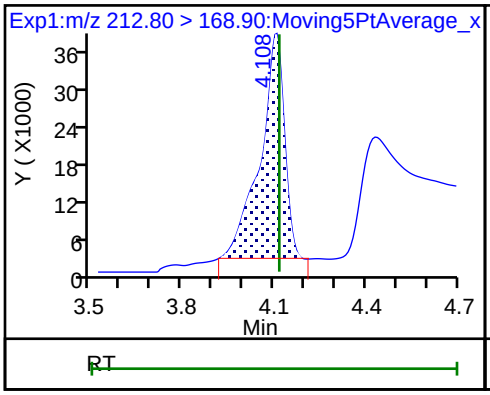
2 Perfluoropropionic acid



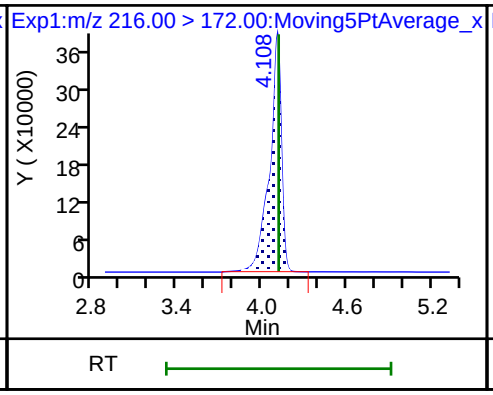
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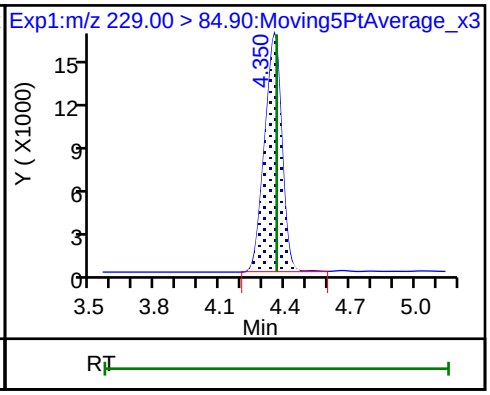
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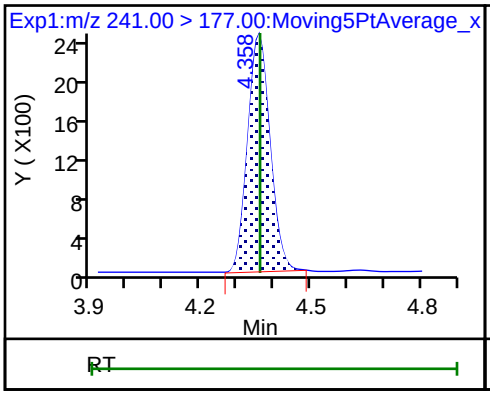
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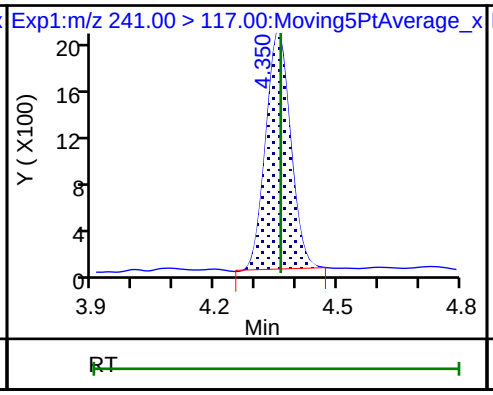
7 PFMPA



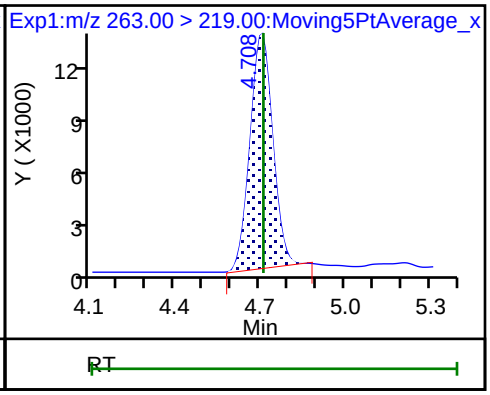
6 3:3 FTCA



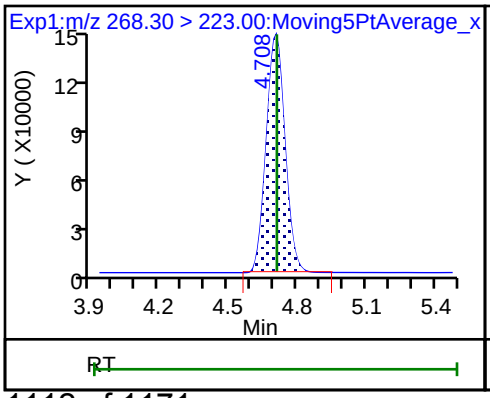
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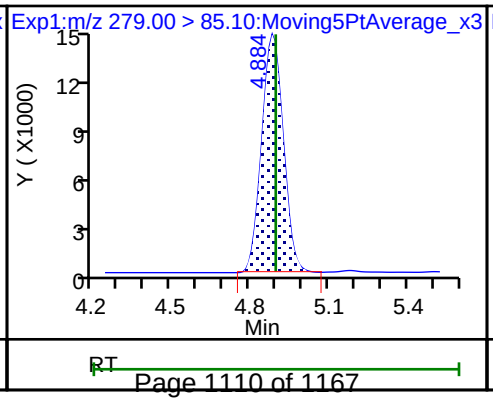
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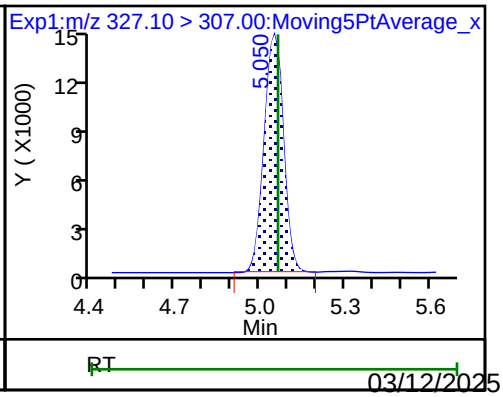
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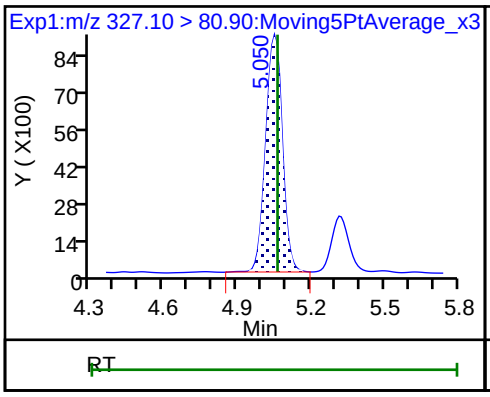
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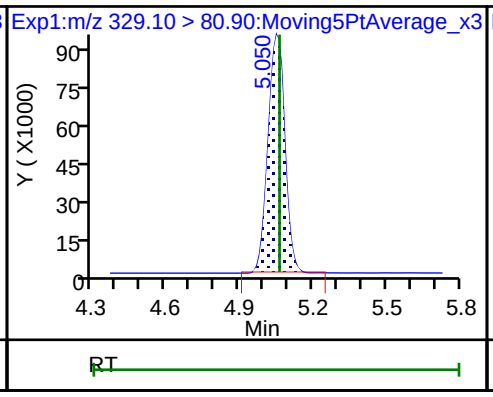
11 4:2FTS



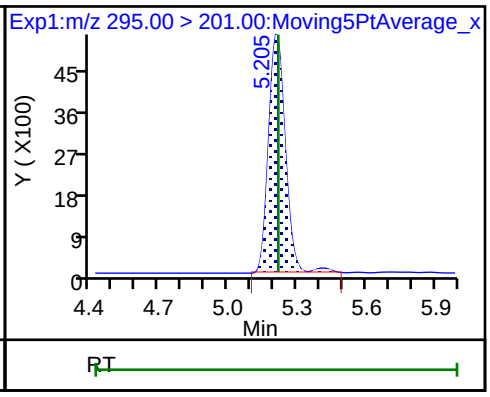
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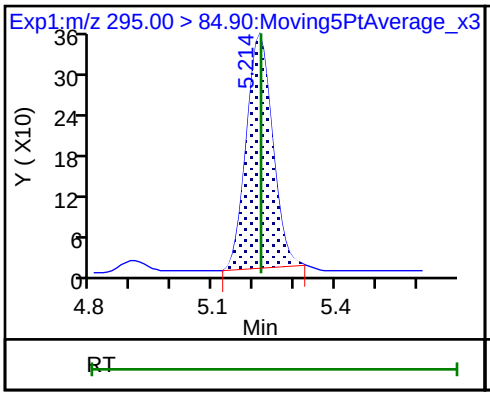
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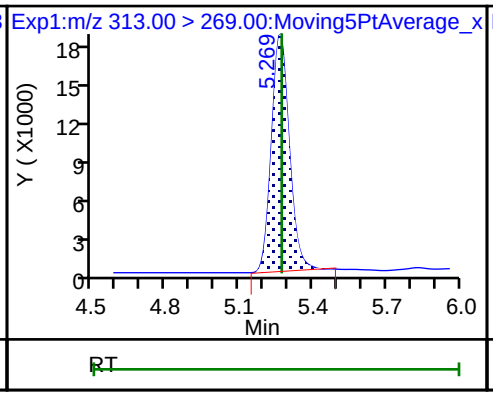
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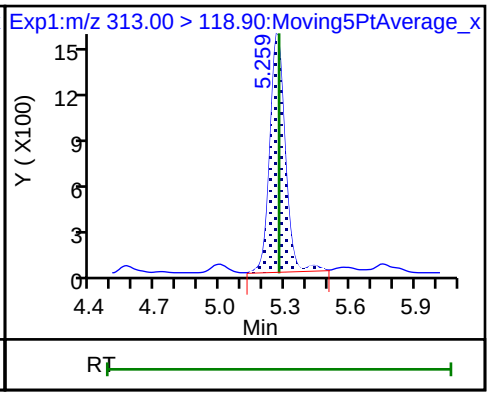
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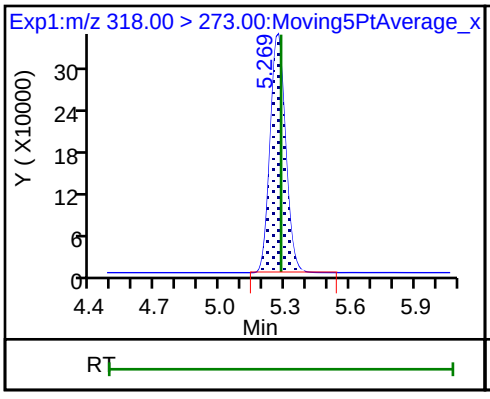
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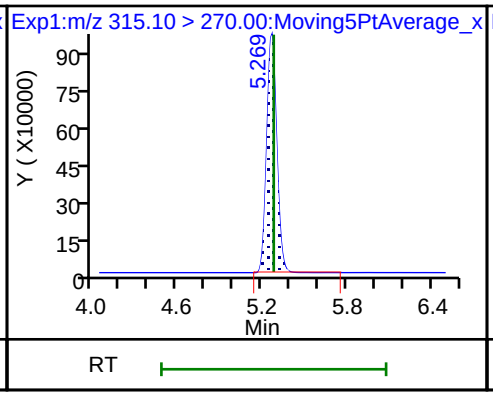
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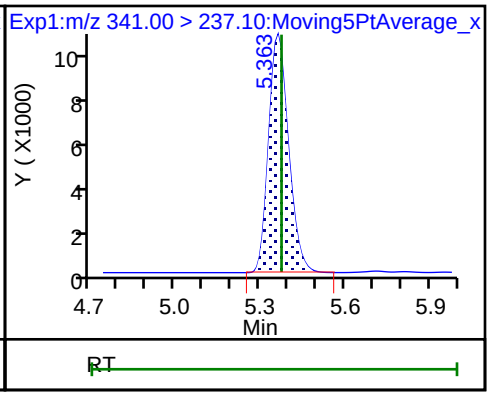
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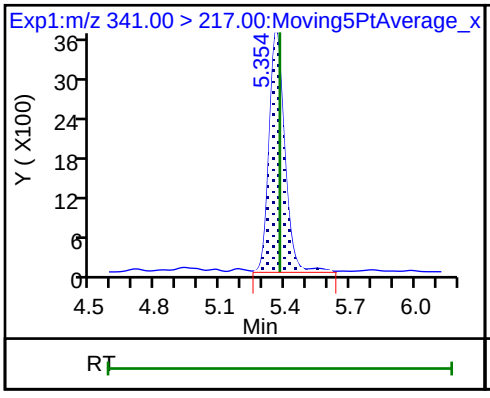
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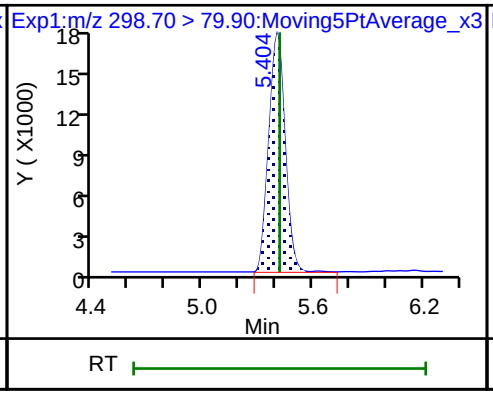
18 5:3 FTCA



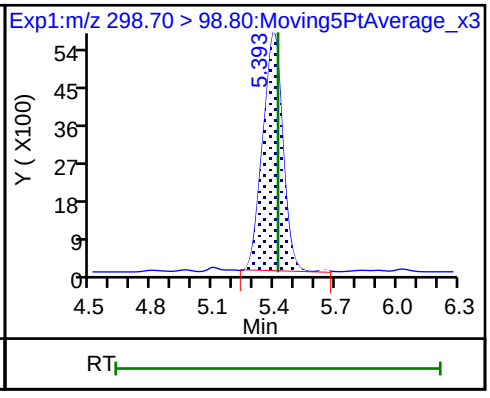
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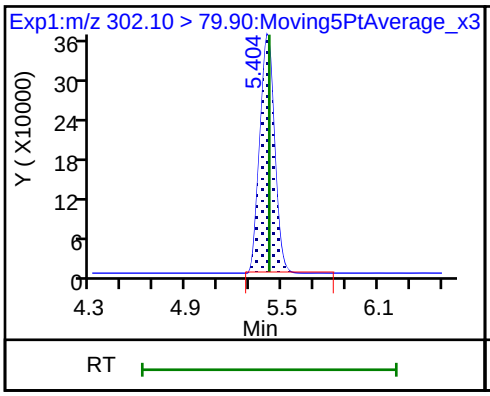
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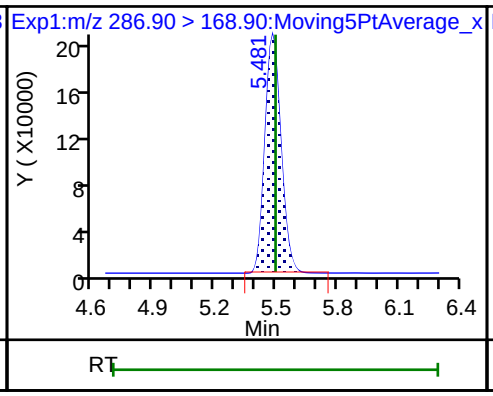
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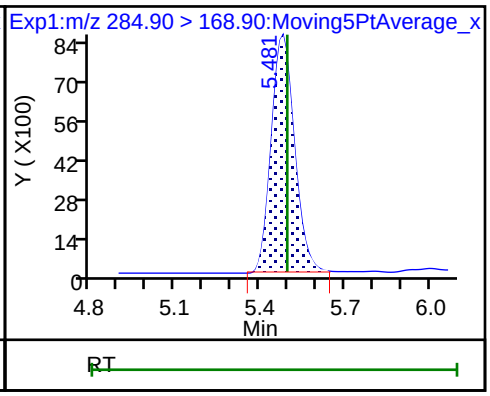
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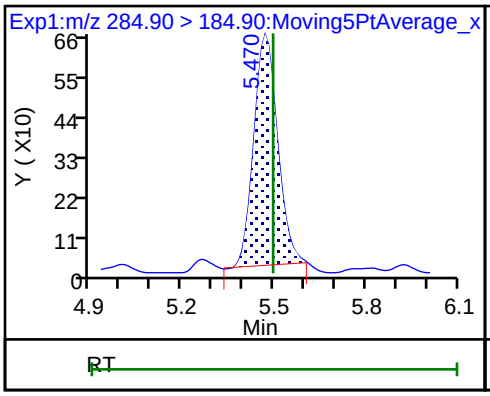
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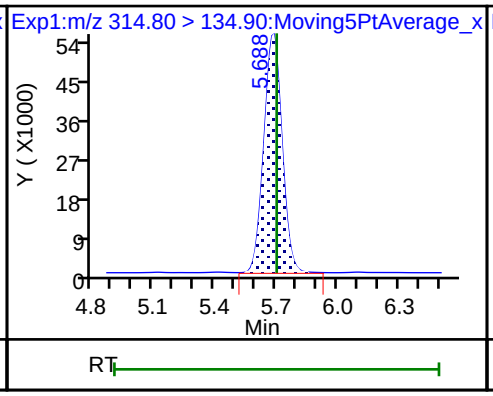
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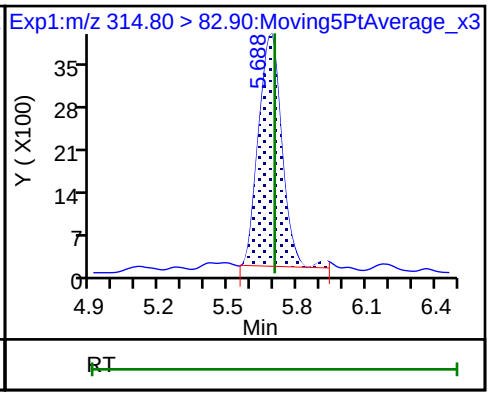
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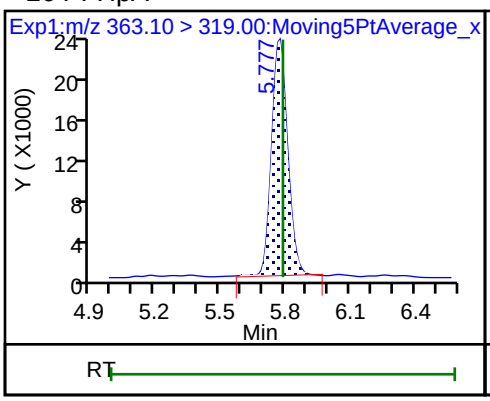
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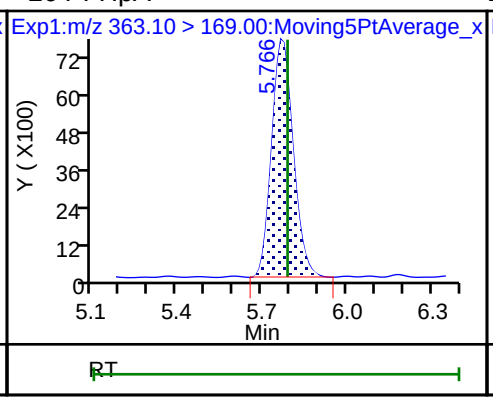
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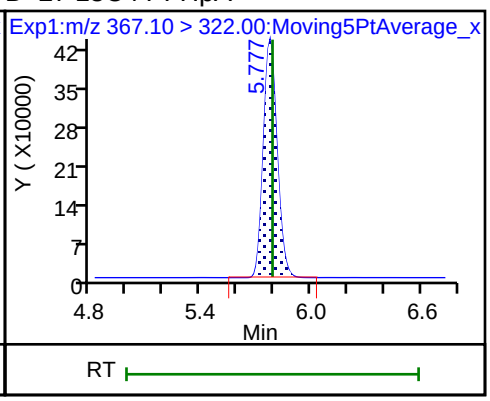
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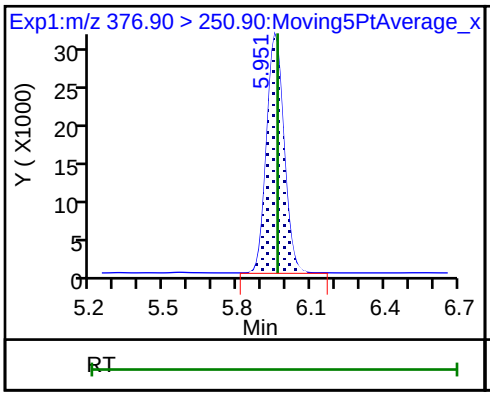
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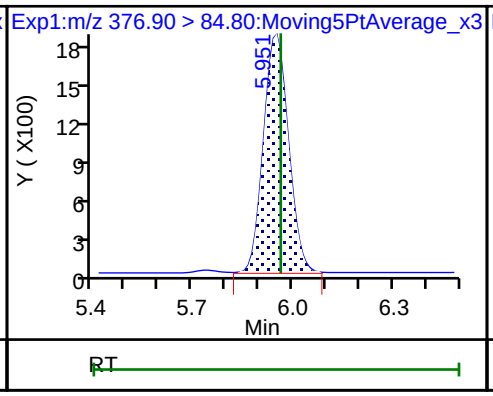
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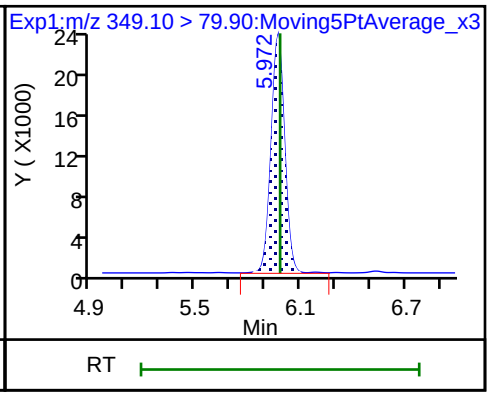
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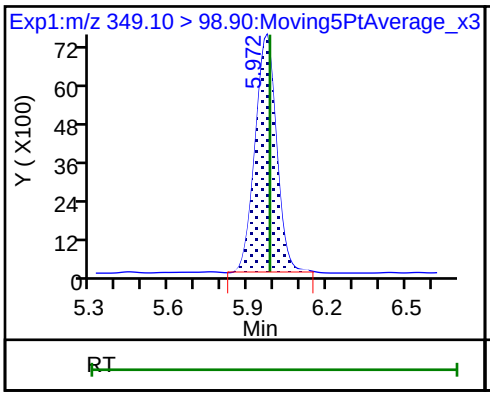
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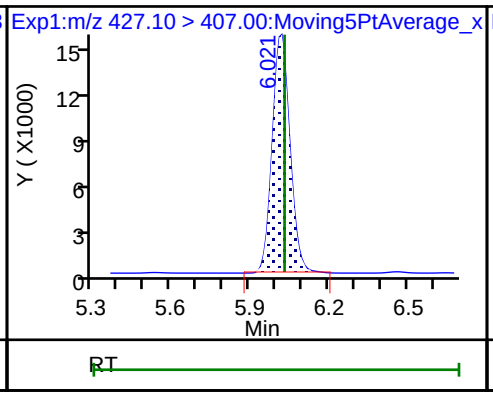
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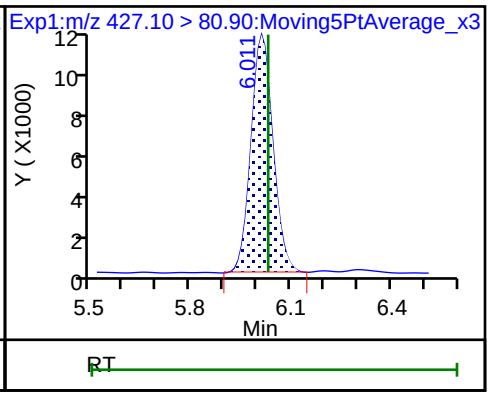
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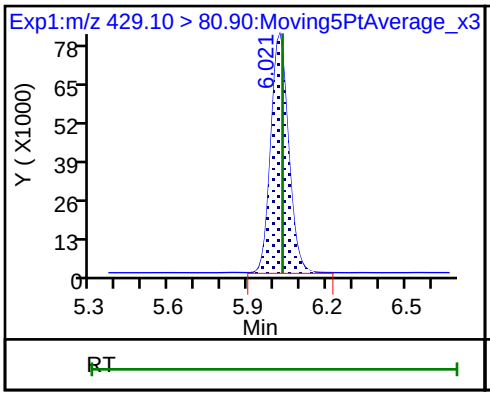
30 6:2FTS



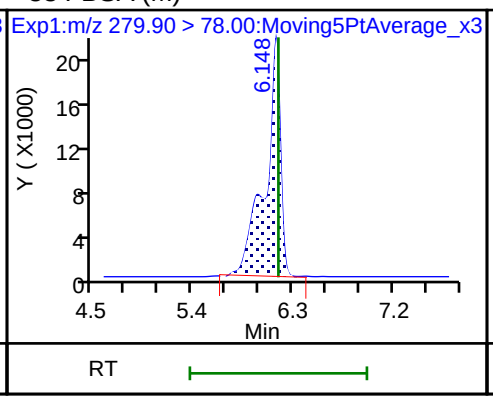
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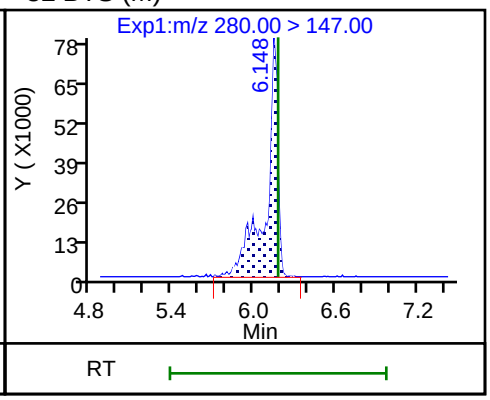
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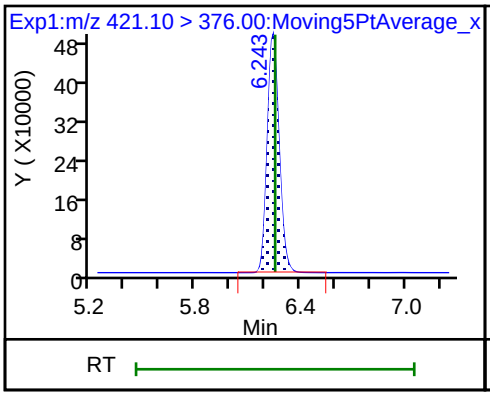
33 FBSA (M)



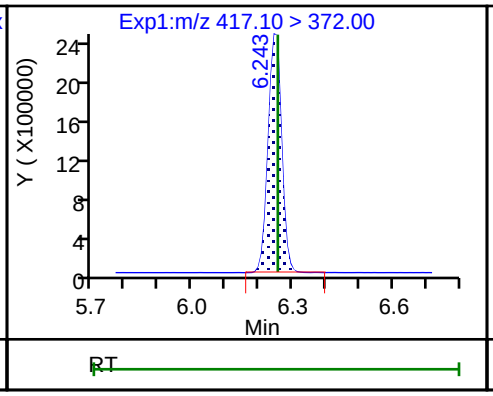
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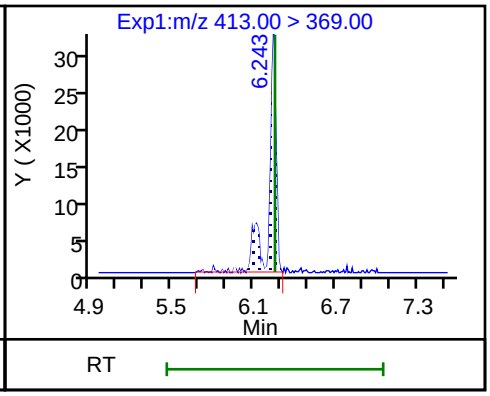
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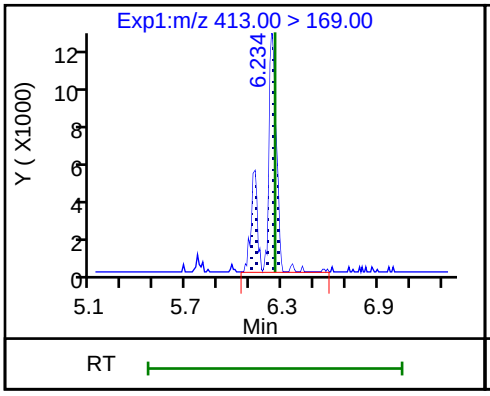
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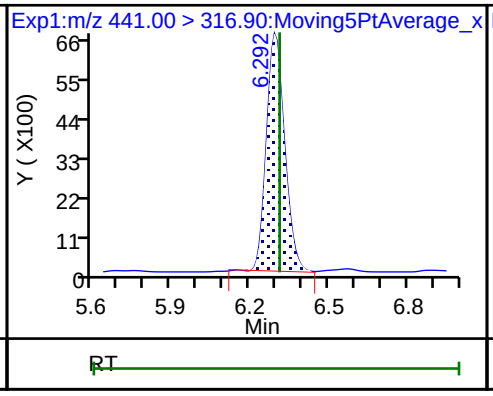
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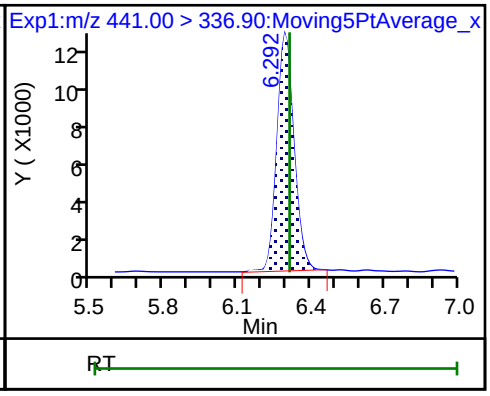
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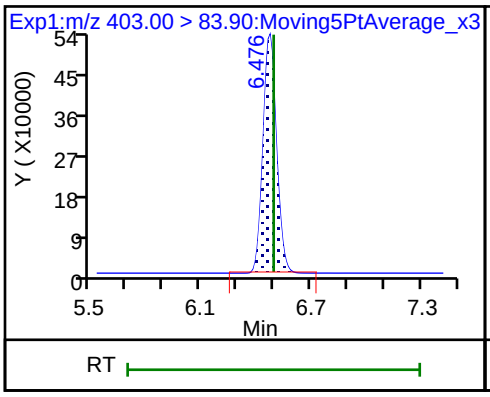
37 7:3 FTCA



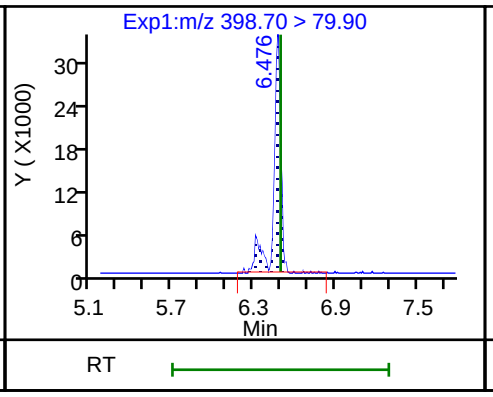
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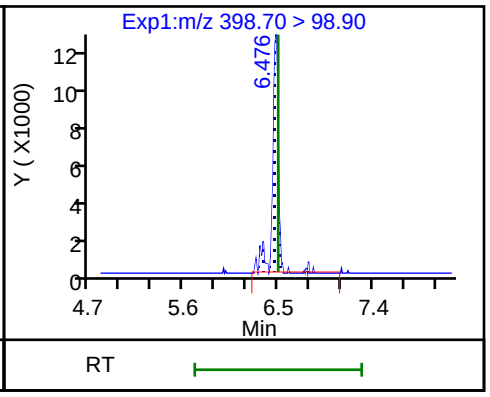
* 38 18O2 PFHxS



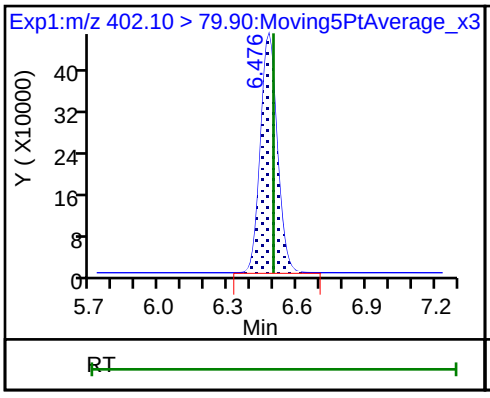
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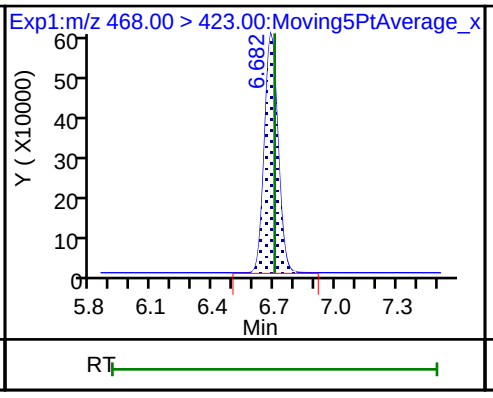
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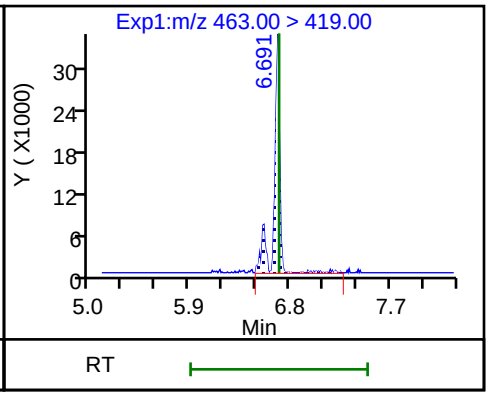
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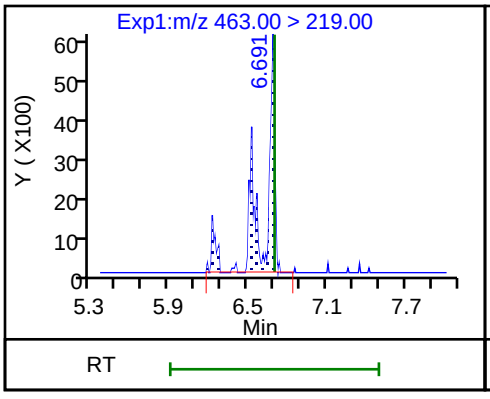
* 43 13C5 PFNA



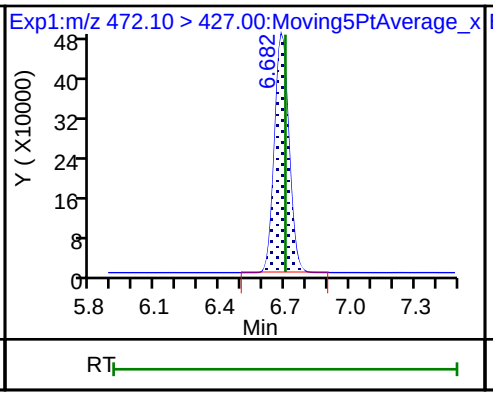
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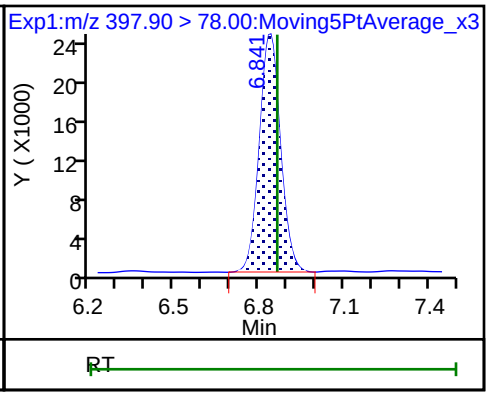
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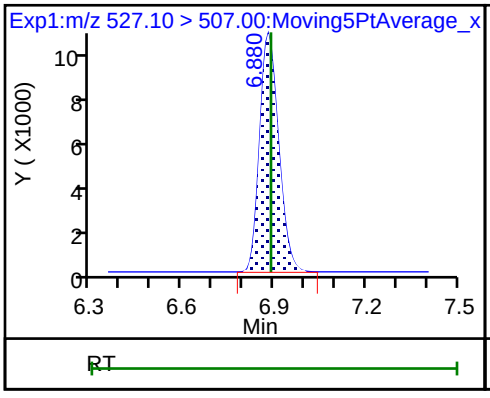
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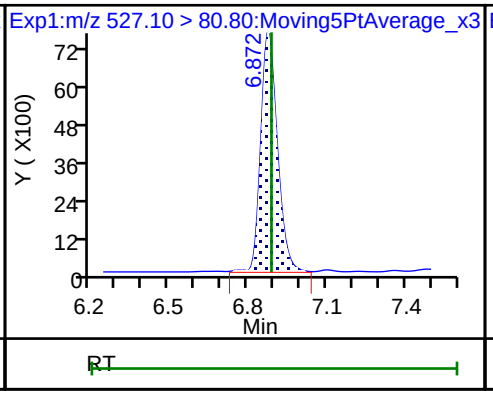
48 FHxSA



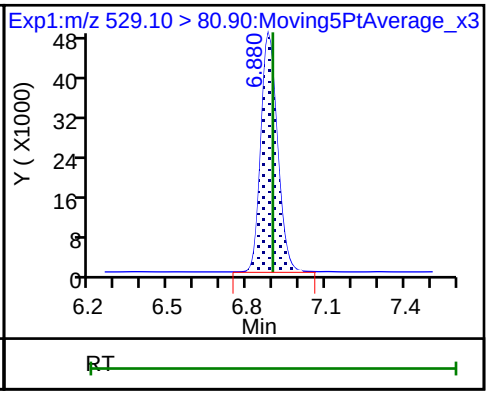
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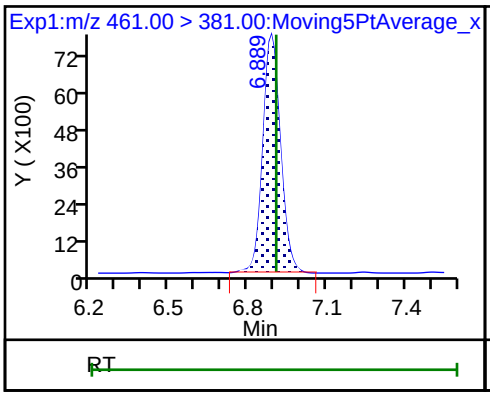
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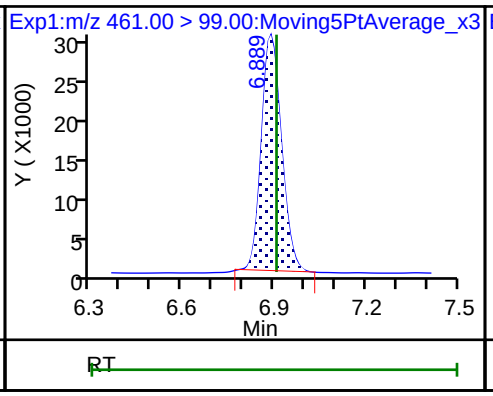
D 45 13C2-8:2FTS



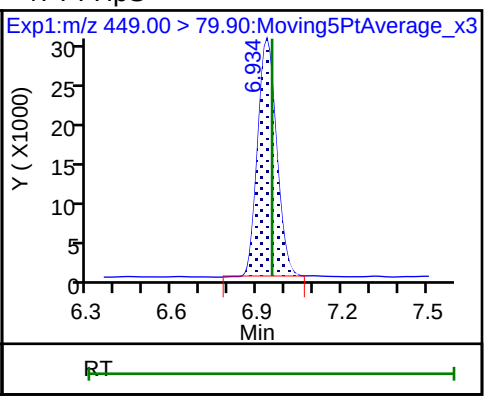
46 PFECHS



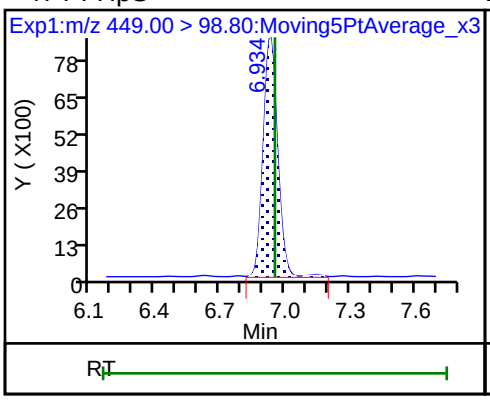
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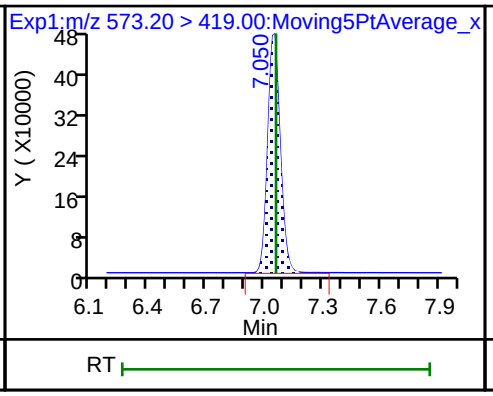
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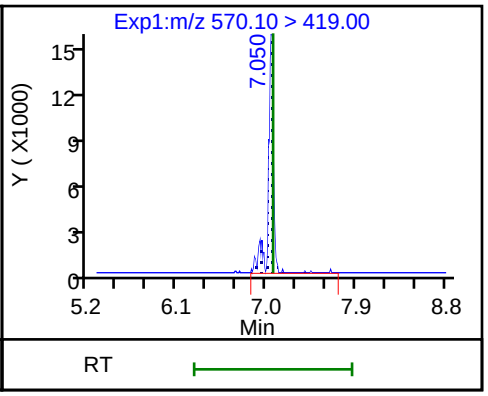
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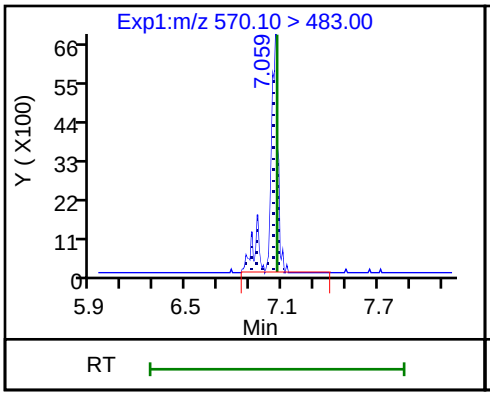
D 50 d3-NMeFOSAA



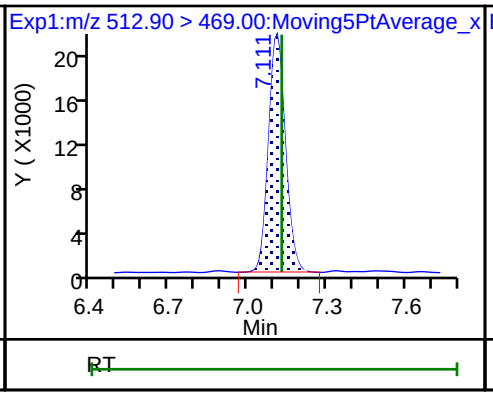
49 NMeFOSAA



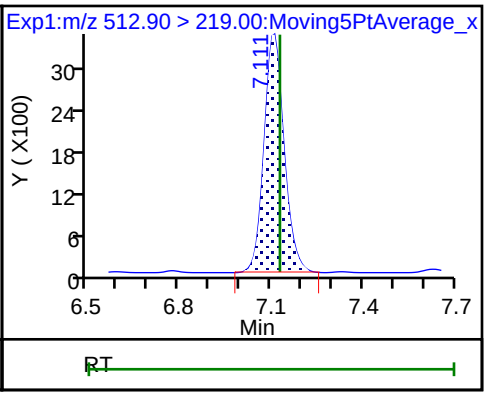
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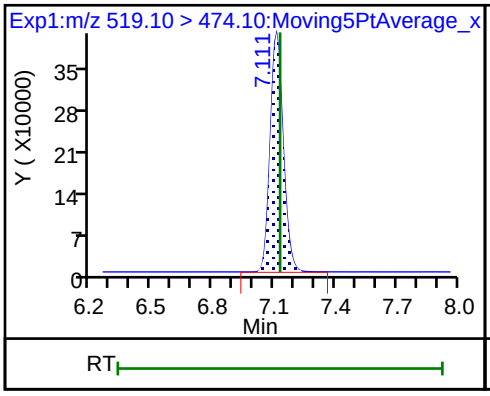
51 PFDA



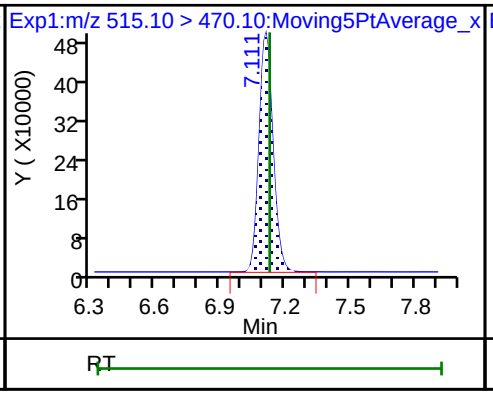
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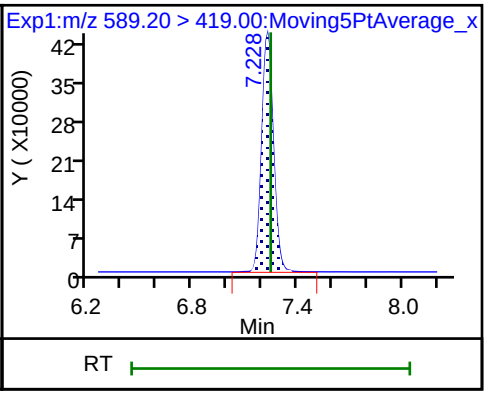
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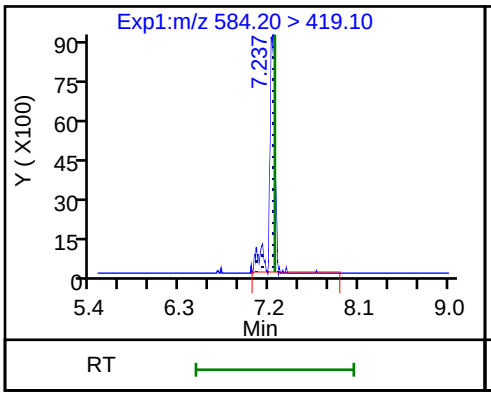
* 52 13C2 PFDA



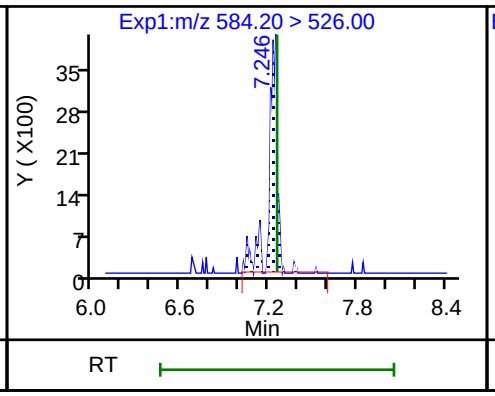
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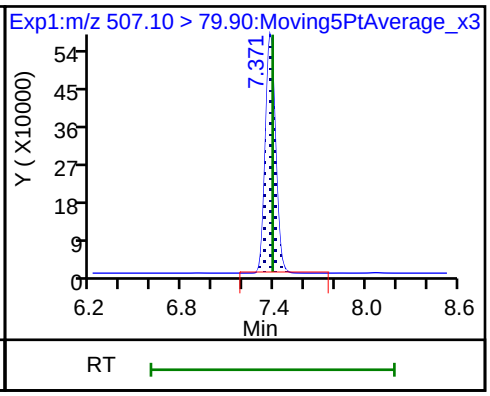
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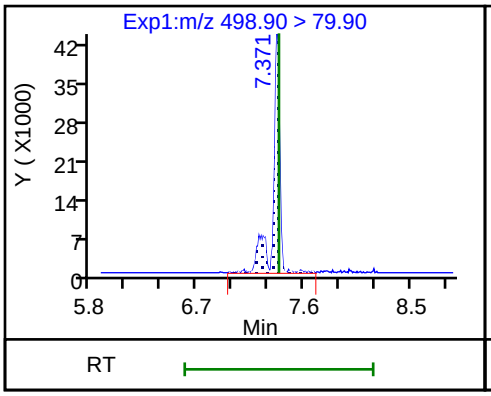
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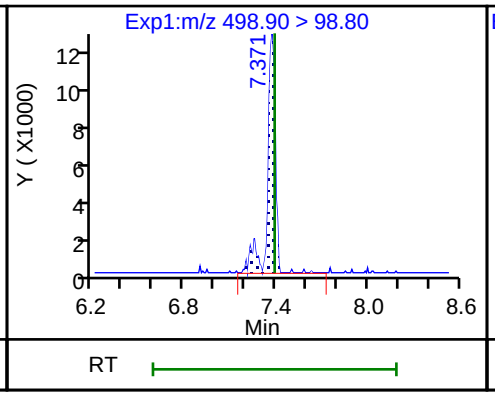
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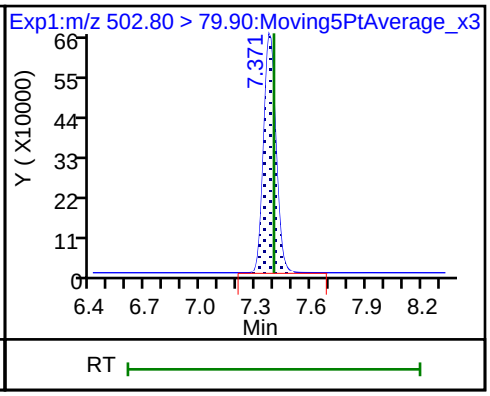
58 PFOS



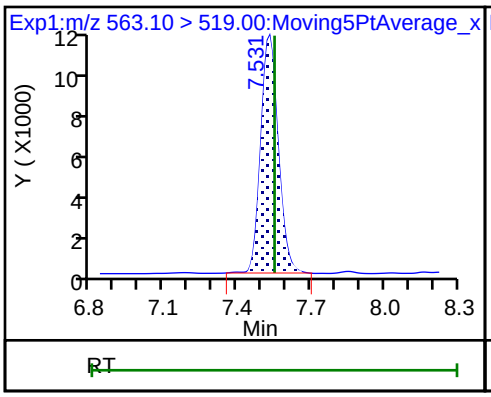
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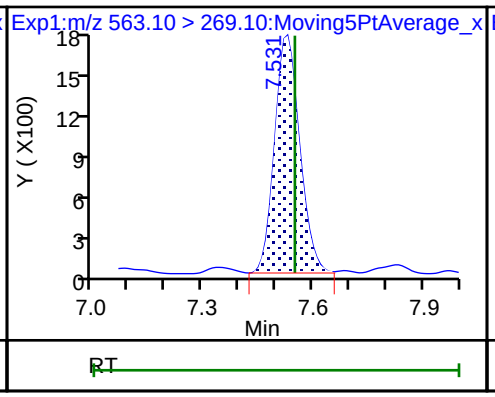
* 57 13C4 PFOS



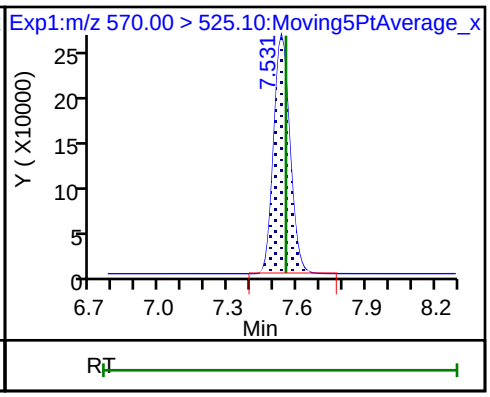
59 PFUnA



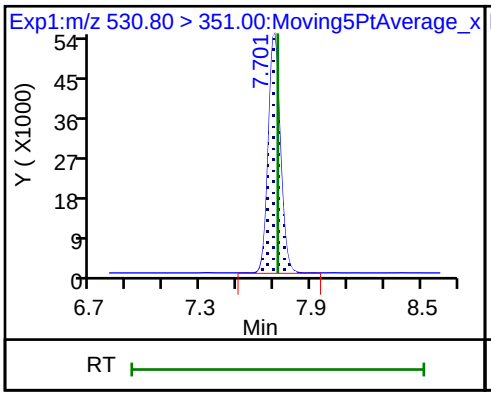
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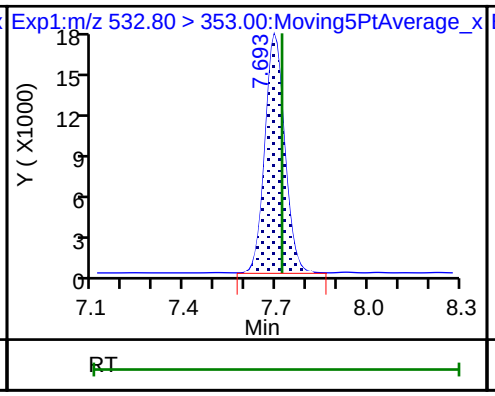
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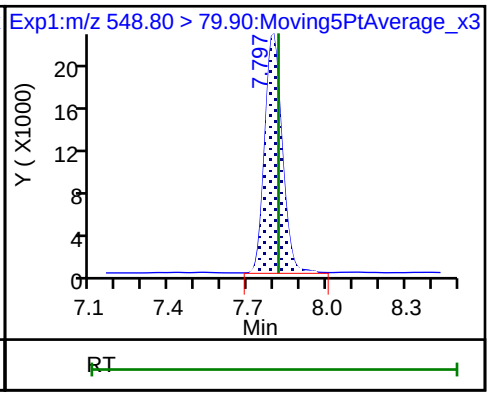
61 9ClFOS



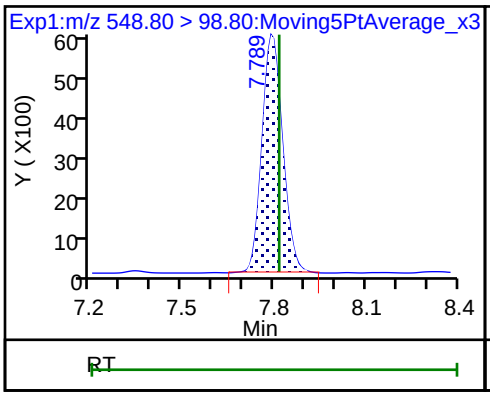
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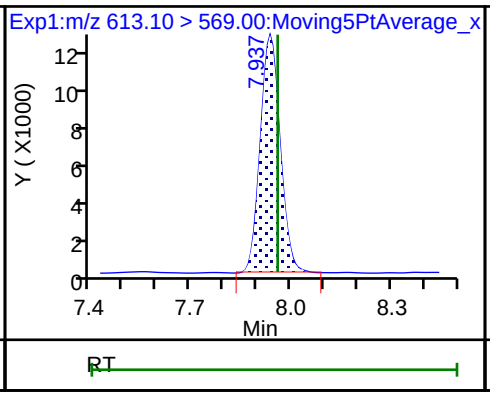
62 PFNS



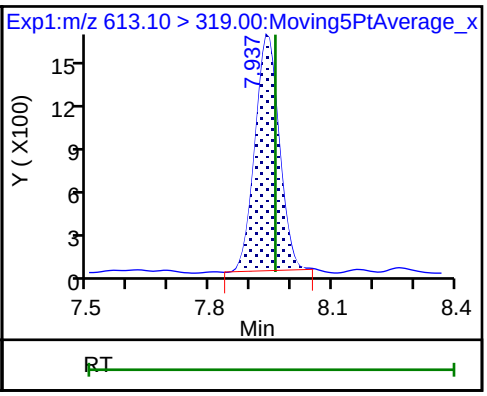
62 PFNS



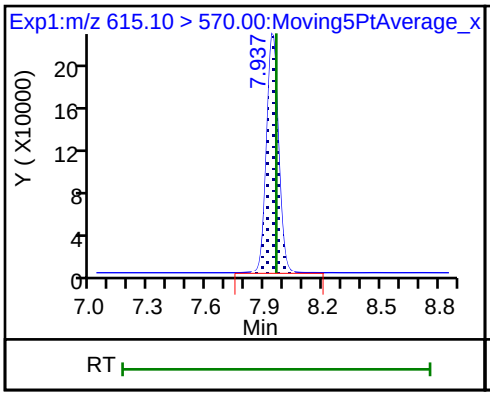
63 PFDoA



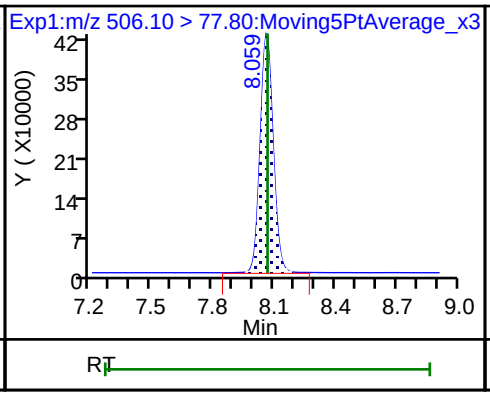
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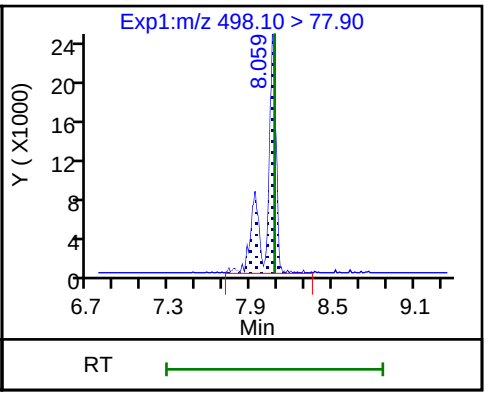
D 64 PFDoA



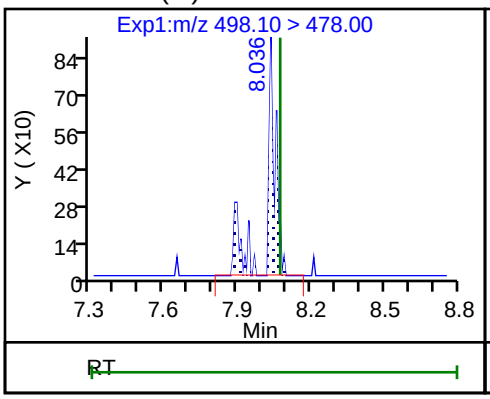
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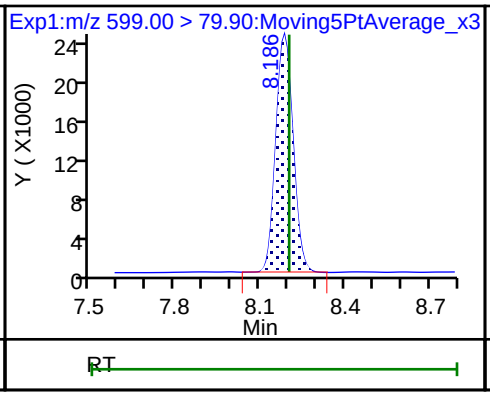
65 PFOSA



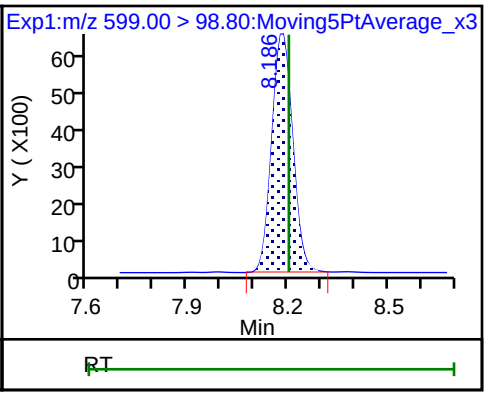
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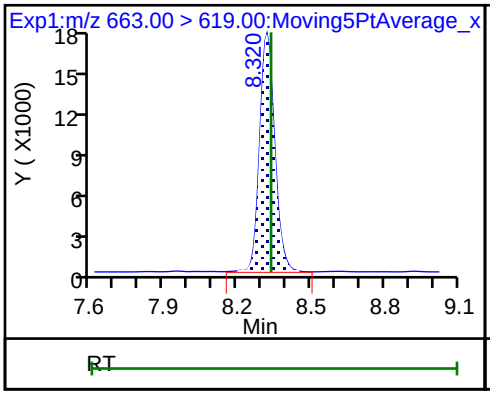
67 PFDS



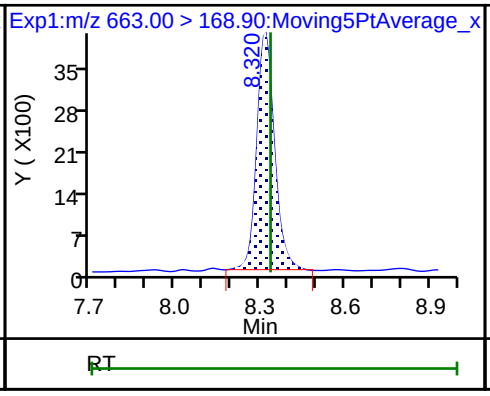
67 PFDS



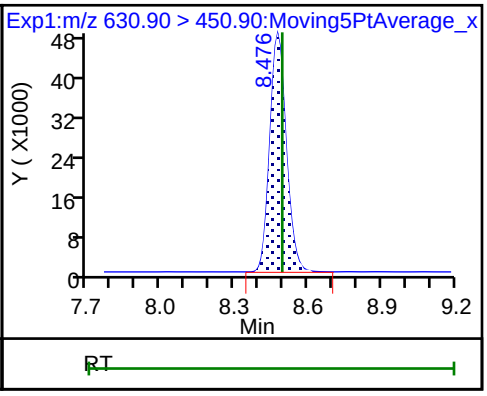
68 PFTrDA



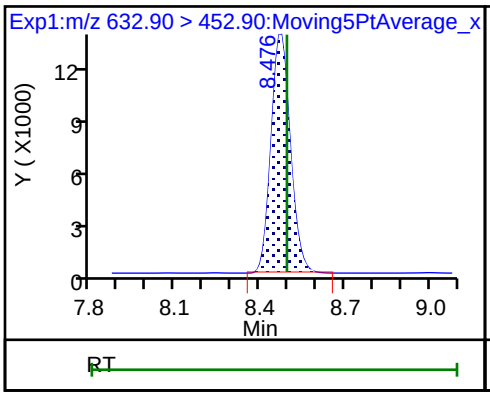
68 PFTrDA



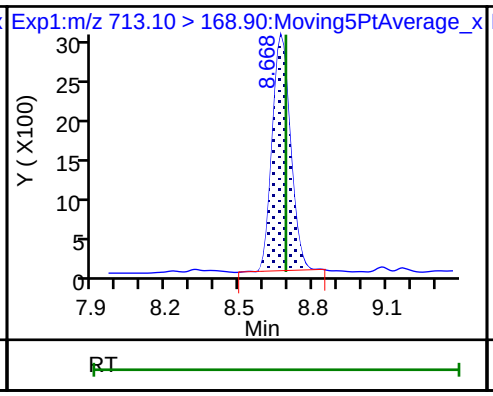
69 11ClFOS



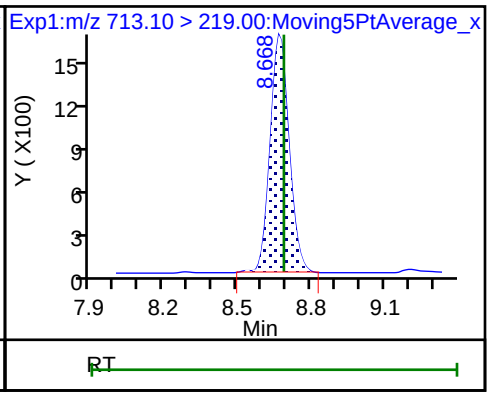
69 11ClFOS



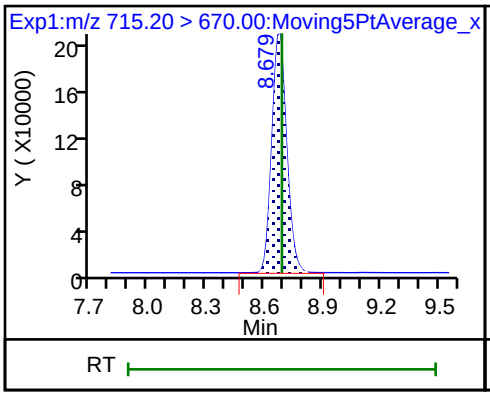
70 PFTeDA



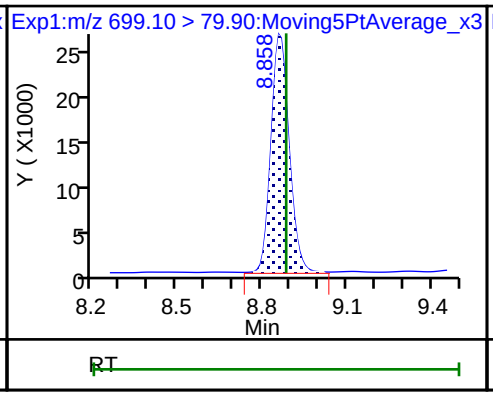
70 PFTeDA



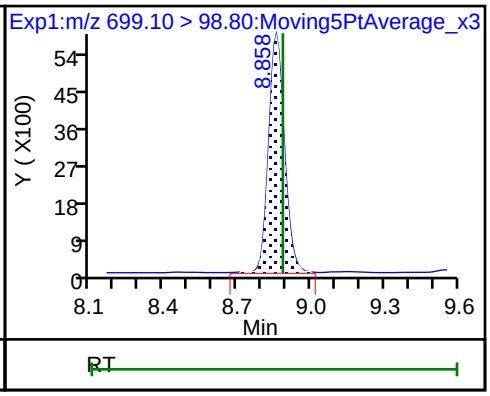
D 71 13C2 PFTeDA



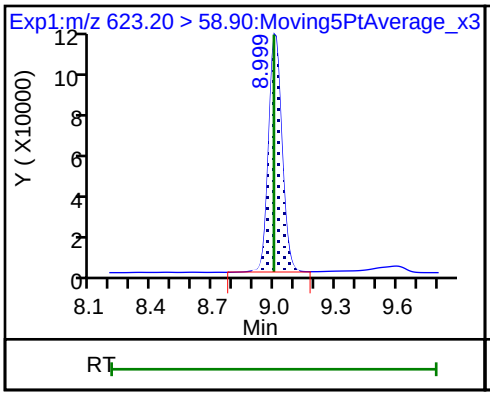
72 PFDoS



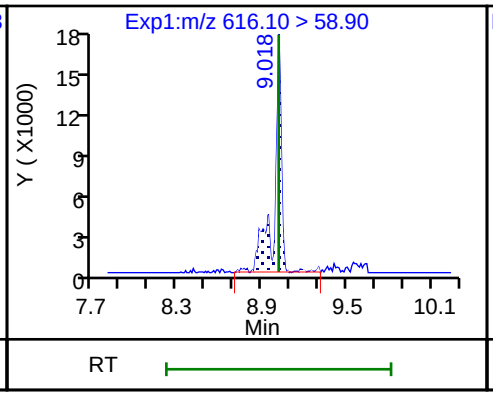
72 PFDoS



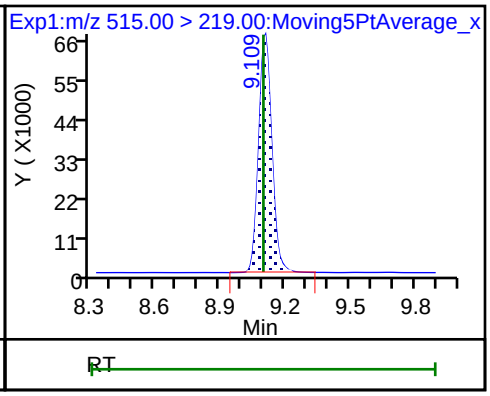
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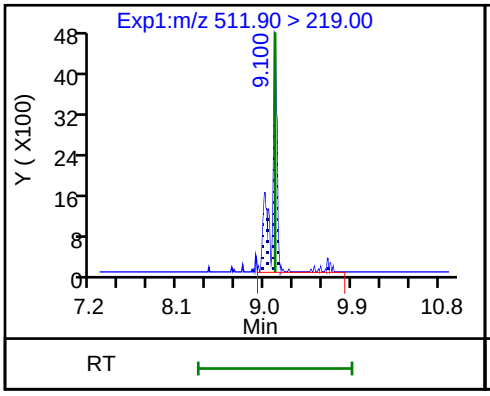
74 N-MeFOSE-M



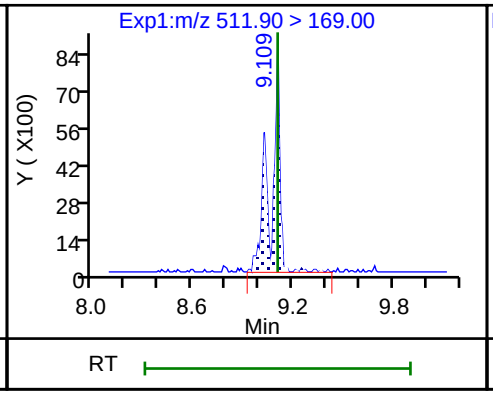
D 75 d3-NMePFOSA



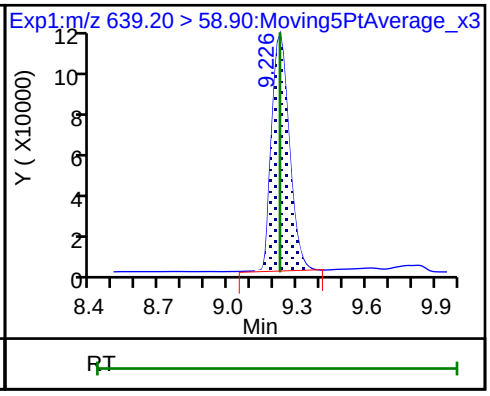
76 NMeFOSA



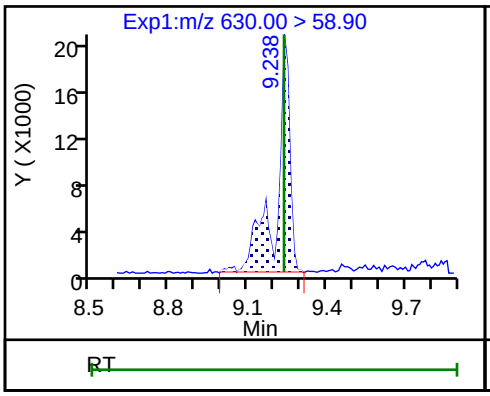
76 NMeFOSA



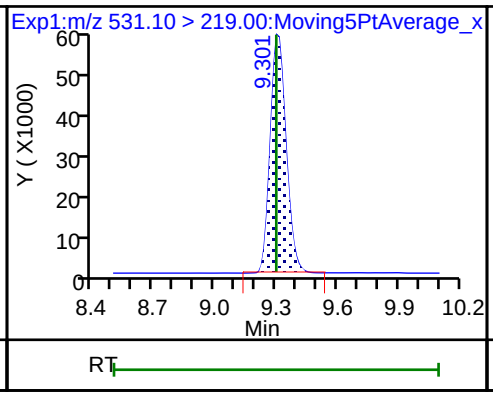
D 77 d9-N-EtFOSE



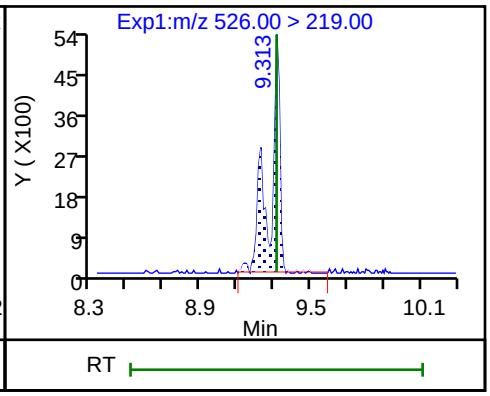
78 N-EtFOSE-M



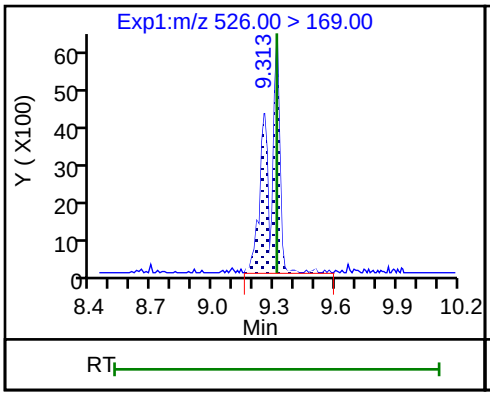
D 79 d5-NEtPFOSA



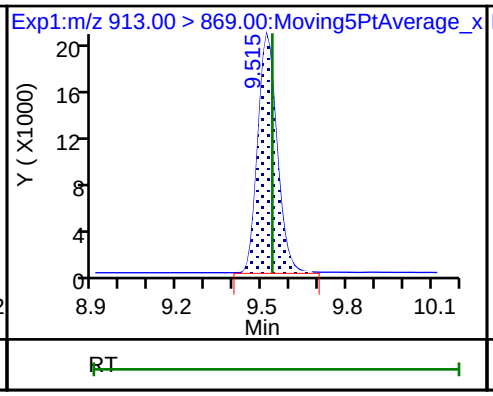
80 N-EtFOSA-M



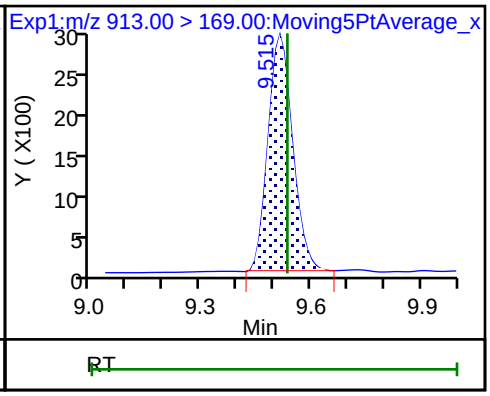
80 N-EtFOSA-M



81 Perfluorooctadecanoic acid



81 Perfluorooctadecanoic acid



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

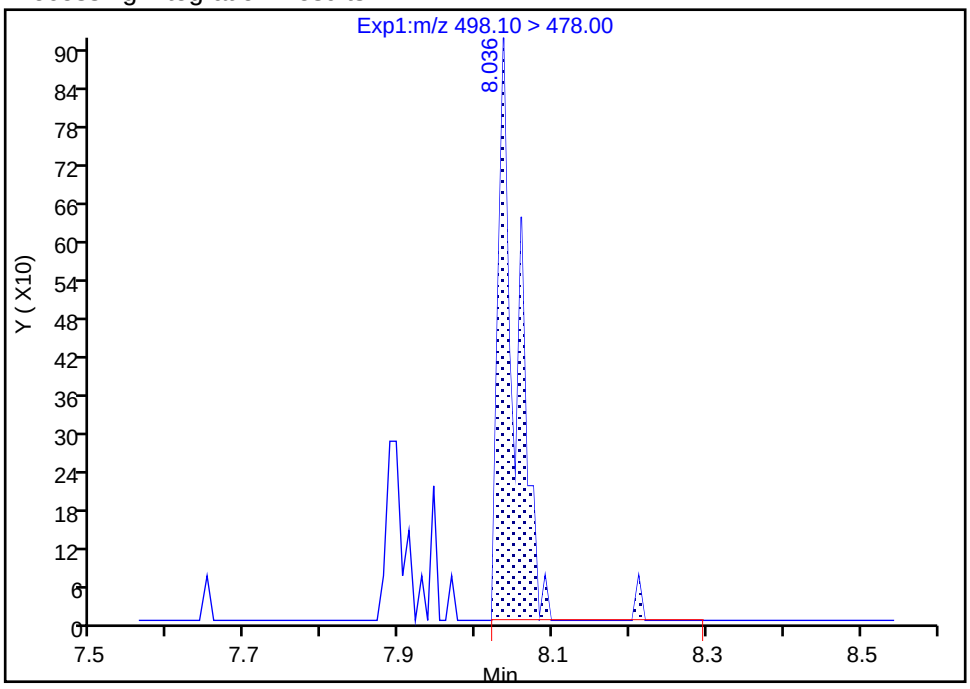
Data File:	\\chromfs\Lancaster\ChromData\29347\20250305-139917.b\25MAR05W-80.d				
Injection Date:	06-Mar-2025 06:45:02	Instrument ID:	29347		
Lims ID:	LLCS 410-613015/3-A				
Client ID:					
Operator ID:	US19_USR_INS00012E	ALS Bottle#:	36	Worklist Smp#:	142
Injection Vol:	7.0 ul	Dil. Factor:	1.0000		
Method:	29347_1633Final	Limit Group:	LC - 1633 LVI- ICAL		
Column:		Detector	EXP1		

65 PFOSA, CAS: 754-91-6

Signal: 2

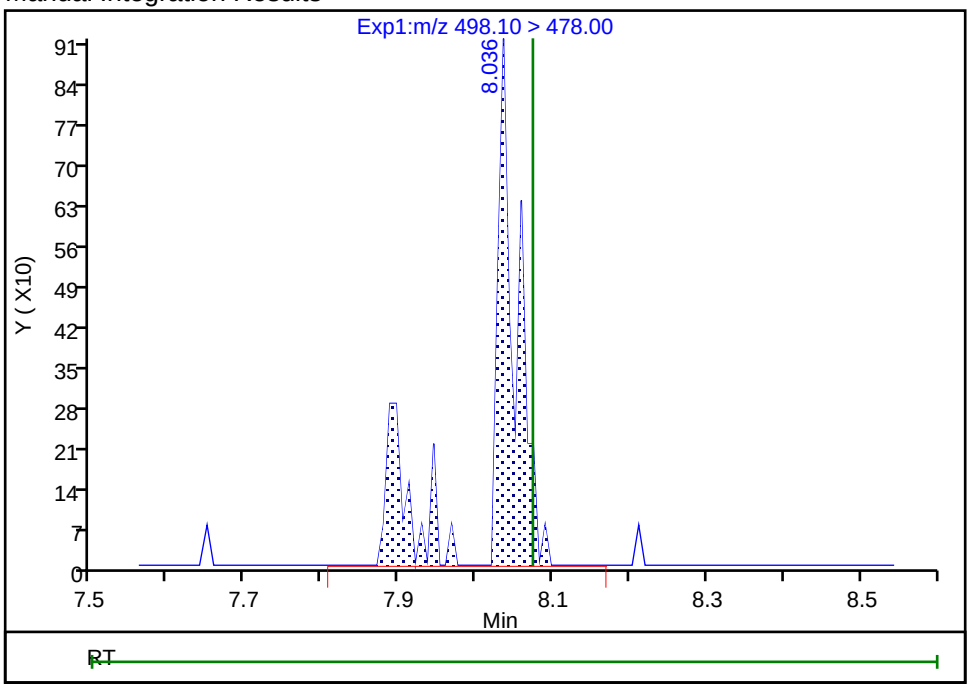
Processing Integration Results

RT: 8.04
Area: 1505
Amount: 0.104228
Amount Units: ng/ml



Manual Integration Results

RT: 8.04
Area: 2054
Amount: 0.104228
Amount Units: ng/ml



Reviewer: JU9U, 06-Mar-2025 15:50:09 -05:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Isomers

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID:
Lab Sample ID: LLCS 410-613587/4-A

Matrix: Water
Lab File ID: 25MAR06-41.d

Analysis Method: 1633
Date Collected:

Extraction Method: 1633
Date Extracted: 03/06/2025 08:30

Sample wt/vol: 125(mL)
Date Analyzed: 03/07/2025 03:10

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613851
Units: ng/L

Preparation Batch No.: 613587
Instrument ID: 30729

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	9.79		4.0	1.1
2706-90-3	Perfluoropentanoic acid	4.51		2.0	0.60
307-24-4	Perfluorohexanoic acid	4.96		2.0	0.50
375-85-9	Perfluoroheptanoic acid	4.42		2.0	0.80
335-67-1	Perfluorooctanoic acid	4.73		2.0	0.90
375-95-1	Perfluorononanoic acid	4.85		2.0	0.50
335-76-2	Perfluorodecanoic acid	4.88		2.0	0.50
2058-94-8	Perfluoroundecanoic acid	4.02		2.0	0.50
307-55-1	Perfluorododecanoic acid	5.46		2.0	0.50
72629-94-8	Perfluorotridecanoic acid	4.20		2.0	0.50
376-06-7	Perfluorotetradecanoic acid	3.91		2.0	0.50
375-73-5	Perfluorobutanesulfonic acid	4.25		2.0	0.50
2706-91-4	Perfluoropentanesulfonic acid	4.21		2.0	0.50
355-46-4	Perfluorohexanesulfonic acid	4.74		2.0	0.80
375-92-8	Perfluoroheptanesulfonic acid	3.79		2.0	0.50
1763-23-1	Perfluorooctanesulfonic acid	4.45		2.0	0.50
68259-12-1	Perfluorononanesulfonic acid	4.23		2.0	0.50
335-77-3	Perfluorodecanesulfonic acid	3.45		2.0	0.50
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	3.01		2.0	0.60
757124-72-4	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	8.86		4.0	1.0
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	9.53		4.0	1.0
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	6.94		4.0	1.0
754-91-6	Perfluorooctanesulfonamide	4.67		2.0	0.50
31506-32-8	NMeFOSA	5.13		2.0	0.50
4151-50-2	N-ethylperfluoro-1-octanesulfonamide	4.38		2.0	0.50
2355-31-9	NMeFOSAA	4.75		2.0	0.50
2991-50-6	NEtFOSAA	4.21		2.0	0.50

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID:
Lab Sample ID: LLCS 410-613587/4-A

Matrix: Water
Lab File ID: 25MAR06-41.d

Analysis Method: 1633
Date Collected:

Extraction Method: 1633
Date Extracted: 03/06/2025 08:30

Sample wt/vol: 125(mL)
Date Analyzed: 03/07/2025 03:10

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613851
Units: ng/L

Preparation Batch No.: 613587
Instrument ID: 30729

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
24448-09-7	2-(N-methylperfluoro-1-octanesulfonamido) ethanol	24.0		10	2.5
1691-99-2	2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	22.1		10	2.5
13252-13-6	HFPO-DA	3.89		2.0	0.75
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.95		2.0	0.50
377-73-1	Perfluoro-3-methoxypropanoic acid	4.47		2.0	0.50
863090-89-5	Perfluoro(4-methoxybutanoic acid)	4.68		2.0	0.50
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid	5.77		2.0	0.50
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	5.49		2.0	0.50
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	5.16		2.0	0.50
113507-82-7	PFEESA	4.41		2.0	0.50
356-02-5	3:3 FTCA	7.28		4.0	1.0
914637-49-3	5:3 FTCA	23.6		10	2.8
812-70-4	7:3 FTCA	19.1		10	2.5

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-209941-1

SDG No.:

Client Sample ID:
Lab Sample ID: LLCS 410-613587/4-A

Matrix: Water
Lab File ID: 25MAR06-41.d

Analysis Method: 1633
Date Collected:

Extraction Method: 1633
Date Extracted: 03/06/2025 08:30

Sample wt/vol: 125(mL)
Date Analyzed: 03/07/2025 03:10

Con. Extract Vol.: 5(mL)
Dilution Factor: 1

Injection Volume: 7(uL)
GC Column: Gemini C18 50mm ID: 3(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 613851
Units: ng/L

Preparation Batch No.: 613587
Instrument ID: 30729

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	89.4		5-130
STL01893	13C5 PFPeA	92.9		40-130
STL02577	13C5 PFHxA	85.8		40-130
STL01892	13C4 PFHpA	97.4		40-130
STL01052	13C8 PFOA	95.6		40-130
STL02578	13C9 PFNA	97.1		40-130
STL02579	13C6 PFDA	87.1		40-130
STL02580	13C7 PFUnA	140	*5+	30-130
STL02116	13C2 PFTeDA	85.0		10-130
STL02337	13C3 PFBS	83.3		40-135
STL02581	13C3 PFHxS	85.0		40-130
STL01054	13C8 PFOS	88.3		40-130
STL01056	13C8 FOSA	77.9		40-130
STL02118	d3-NMeFOSAA	71.4		40-170
STL02117	d5-NEtFOSAA	70.1		25-135
STL02395	M2-4:2 FTS	84.9		40-200
STL02279	M2-6:2 FTS	90.6		40-200
STL02280	M2-8:2 FTS	86.4		40-300
STL02255	13C3 HFPO-DA	89.6		40-130
STL02277	d7-N-MeFOSE-M	61.7		10-130
STL02278	d9-N-EtFOSE-M	60.1		10-130
STL02704	d5-NEtPFOSA	42.9		10-130
STL02705	d3-NMePFOSA	42.6		10-130
STL00998	13C2 PFDoA	109		10-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR06-41.d
Lims ID: LLCS 410-613587/4-A
Client ID:
Sample Type: LLCS
Inject. Date: 07-Mar-2025 03:10:07 ALS Bottle#: 33 Worklist Smp#: 37
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: LLCS 410-613587/4-A
Misc. Info.: Plate: 1 Rack: 1 410-0140106-037
Operator ID: ETUS023_USR_INS00054 Instrument ID: 30729

Method: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\30729_1633Final.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 10-Mar-2025 15:13:58 Calib Date: 03-Mar-2025 20:03:32
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30729\20250303-139703.b\25MAR03-08.d

Column 1 : Det: EXP1
Process Host: CTX1629

First Level Reviewer: RPU6 Date: 10-Mar-2025 15:09:07
Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
1 Perfluoropropionic acid										M
163.00 > 119.00	1.769	1.869	-0.100	1.000	146750	0.5525		110	473	M
D 2 13C3PFPrA										
166.00 > 121.00	1.769	1.869	-0.100	0.401	480811	1.99		99.6	205	
5 PFBA										
212.80 > 168.90	4.407	4.450	-0.043	0.998	83912	0.2446		122	481	
D 3 13C4-PFBA										
216.80 > 171.90	4.416	4.450	-0.034	1.000	682332	1.79		89.4	21176	
* 4 13C3PFBA										
216.00 > 172.00	4.416	4.459	-0.043		863723	2.00			199	
6 PFMPA										
229.00 > 84.90	4.755	4.786	-0.031	0.930	52903	0.1118		112	2203	
7 3:3 FTCA										
241.00 > 177.00	4.778	4.798	-0.020	0.934	4957	0.1820	Target=1.07	91.0	303	
241.00 > 117.00	4.767	4.798	-0.031	0.932	5721		0.87(0.53-1.60)		361	
D 9 13C5 PFPeA										
268.30 > 223.00	5.114	5.142	-0.028	0.906	544761	1.86		92.9	33470	
10 PFPA										
263.00 > 219.00	5.125	5.142	-0.017	1.002	53254	0.1128		113	1952	
11 PFMBA										
279.00 > 85.10	5.302	5.330	-0.028	1.037	61226	0.1170		117	3756	
D 12 13C2-4:2FTS										
329.10 > 80.90	5.450	5.479	-0.029	0.807	294021	3.98		84.9	10832	
13 4:2FTS										
327.10 > 307.00	5.450	5.479	-0.029	1.000	20505	0.2215	Target=1.39	119	1268	
327.10 > 80.90	5.450	5.479	-0.029	1.000	16679		1.23(0.69-2.08)		607	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
15 NFDHA										
295.00 > 201.00	5.600	5.640	-0.040	0.992	34644	0.1443	Target=1.25	144	2057	
295.00 > 84.90	5.600	5.640	-0.040	0.992	27681		1.25(0.63-1.88)		1624	
D 16 13C5 PFHxA										
318.00 > 273.00	5.647	5.676	-0.029	1.000	817917	1.72		85.8	49553	
* 17 13C2 PFHxA										
315.10 > 270.00	5.647	5.676	-0.029		2052185	5.00			124210	
18 PFHxA										
313.00 > 269.00	5.647	5.687	-0.040	1.000	49309	0.1240	Target=10.83	124	2274	
313.00 > 118.90	5.647	5.687	-0.040	1.000	4736		10.41(5.41-16.24)		281	
20 5:3 FTCA										
341.00 > 237.10	5.730	5.762	-0.032	1.015	43128	0.5898	Target=0.92	118	2461	
341.00 > 217.00	5.730	5.762	-0.032	1.015	42353		1.02(0.46-1.37)		2455	
14 FBSA										
297.90 > 78.00	5.706	5.804	-0.098	0.986	58274	0.1278		128	85.6	
21 PFBS										
298.70 > 79.90	5.784	5.818	-0.034	1.000	33152	0.1062	Target=2.85	120	1655	
298.70 > 98.80	5.784	5.818	-0.034	1.000	12286		2.70(1.43-4.28)		631	
D 19 13C3 PFBS										
302.10 > 79.90	5.784	5.818	-0.034	0.856	851801	1.55		83.3	42171	
D 23 13C3 HFPO-DA										
286.90 > 168.90	5.839	5.873	-0.034	1.034	835715	1.79		89.6	44840	
22 HFPO-DA										
284.90 > 168.90	5.839	5.887	-0.048	1.000	43659	0.0973	Target=2.51	130	1814	
284.90 > 184.90	5.839	5.887	-0.048	1.000	19133		2.28(1.25-3.76)		1008	
25 PFEESA										
314.80 > 134.90	6.034	6.082	-0.048	1.069	135566	0.1102	Target=10.92	124	7027	
314.80 > 82.90	6.034	6.082	-0.048	1.069	14242		9.52(5.46-16.39)		740	
D 27 13C4 PFHpA										
367.10 > 322.00	6.091	6.135	-0.044	1.079	895787	1.95		97.4	49782	
28 PFHpA										
363.10 > 319.00	6.091	6.135	-0.044	1.000	52570	0.1104	Target=2.23	110	2169	
363.10 > 169.00	6.091	6.135	-0.044	1.000	18228		2.88(1.12-3.35)		1002	
29 ADONA										
376.90 > 250.90	6.250	6.297	-0.047	1.070	105545	0.0988	Target=1.60	104	1258	
376.90 > 84.80	6.250	6.297	-0.047	1.070	58968		1.79(0.80-2.40)		3758	
30 PFPeS										
349.10 > 79.90	6.283	6.339	-0.056	0.930	46593	0.1053	Target=3.47	112	2946	
349.10 > 98.90	6.293	6.339	-0.046	0.932	13785		3.38(1.73-5.20)		845	
32 6:2FTS										
427.10 > 407.00	6.304	6.349	-0.045	1.000	18926	0.2383	Target=1.13	126	1273	
427.10 > 80.90	6.304	6.349	-0.045	1.000	15705		1.21(0.56-1.69)		1051	
D 31 13C2-6:2FTS										
429.10 > 80.90	6.304	6.349	-0.045	0.933	314539	4.31		90.6	21117	
33 BTS										
280.00 > 147.00	6.449	6.525	-0.076	0.955	140072	0.1281		131	6019	
D 34 13C8 PFOA										
421.10 > 376.00	6.511	6.565	-0.054	1.000	928603	1.91		95.6	47793	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 40 13C4 PFOA										
417.10 > 372.00	6.511	6.565	-0.054		2519438	5.00			103184	
35 PFOA										
413.00 > 369.00	6.521	6.575	-0.054	1.002	41042	0.1183	Target=1.69	118	152	
413.00 > 169.00	6.521	6.575	-0.054	1.002	26739		1.53(0.85-2.54)		99.9	
36 7:3 FTCA										
441.00 > 316.90	6.570	6.625	-0.055	1.164	35152	0.4785	Target=0.93	95.7	2371	
441.00 > 336.90	6.570	6.625	-0.055	1.164	38358		0.92(0.46-1.39)		2626	
* 38 18O2 PFHxS										
403.00 > 83.90	6.753	6.807	-0.054		844731	1.89			49072	
D 37 13C3 PFHxS										
402.10 > 79.90	6.753	6.807	-0.054	1.000	704087	1.61		85.0	30679	
39 PFHxS										
398.70 > 79.90	6.753	6.819	-0.065	1.000	29597	0.1185	Target=3.39	130	223	
398.70 > 98.90	6.753	6.819	-0.065	1.000	8316		3.56(1.70-5.09)		73.2	
D 41 13C9 PFNA										
472.10 > 427.00	6.932	6.999	-0.067	1.000	712766	1.94		97.1	31960	
* 42 13C5 PFNA										
468.00 > 423.00	6.932	6.999	-0.067		748653	2.00			45160	
43 PFNA										
463.00 > 419.00	6.945	6.999	-0.055	1.002	40383	0.1212	Target=2.10	121	302	
463.00 > 219.00	6.932	6.999	-0.067	1.000	19255		2.10(1.05-3.15)		62.2	
D 45 13C2-8:2FTS										
529.10 > 80.90	7.114	7.191	-0.077	1.053	324838	4.15		86.4	19225	
46 8:2FTS										
527.10 > 507.00	7.126	7.191	-0.065	1.002	8774	0.1735	Target=0.72	90.6	529	
527.10 > 80.80	7.126	7.191	-0.065	1.002	14364		0.61(0.36-1.07)		840	
44 PFECHS										
461.00 > 381.00	7.161	7.203	-0.042	1.060	12225	0.1117	Target=0.22	121	30.0	
461.00 > 99.00	7.161	7.203	-0.042	1.060	55235		0.22(0.11-0.33)		44.4	
48 FHxSA										
397.90 > 78.00	7.173	7.226	-0.053	1.062	67797	0.1296		130	3505	
47 PFHpS										
449.00 > 79.90	7.197	7.263	-0.066	0.943	53270	0.0947	Target=3.56	99.2	3091	
449.00 > 98.80	7.185	7.263	-0.078	0.941	14078		3.78(1.78-5.34)		815	
D 49 d3-NMeFOSAA										
573.20 > 419.00	7.282	7.357	-0.075	0.954	491615	3.57		71.4	27474	
50 NMeFOSAA										
570.10 > 419.00	7.295	7.371	-0.076	1.002	13895	0.1186	Target=1.90	119	3354	
570.10 > 483.00	7.295	7.371	-0.076	1.002	5468		2.54(0.95-2.86)		9.3	
* 51 13C2 PFDA										
515.10 > 470.10	7.350	7.426	-0.076		765284	2.00			31232	
D 52 13C6 PFDA										
519.10 > 474.10	7.350	7.426	-0.076	1.000	685652	1.74		87.1	27509	
53 PFDA										
512.90 > 469.00	7.350	7.426	-0.076	1.000	28779	0.1219	Target=3.00	122	1513	
512.90 > 219.00	7.350	7.426	-0.076	1.000	9053		3.18(1.50-4.50)		518	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.474	7.536	-0.062	0.979	422426	3.50		70.1	21823	
55 NEtFOSAA										M
584.20 > 419.10	7.474	7.549	-0.075	1.000	7770	0.1053	Target=2.01	105	18.5	M
584.20 > 526.00	7.488	7.549	-0.061	1.002	3041		2.56(1.01-3.02)		13.0	M
* 57 13C4 PFOS										
502.80 > 79.90	7.633	7.714	-0.081		1019765	1.91			58022	
D 56 13C8 PFOS										
507.10 > 79.90	7.633	7.714	-0.081	1.000	825723	1.69		88.5	28098	
58 PFOS										
498.90 > 79.90	7.633	7.714	-0.081	1.000	76727	0.1112	Target=4.52	120	167	
498.90 > 98.80	7.633	7.714	-0.081	1.000	17797		4.31(2.26-6.78)		48.9	
D 59 13C7 PFUnA										
570.00 > 525.10	7.777	7.856	-0.079	1.058	873657	2.80		140	55254	
60 PFUnA										
563.10 > 519.00	7.777	7.856	-0.079	1.000	23038	0.1004	Target=2.41	100	1513	
563.10 > 269.10	7.777	7.856	-0.079	1.000	9890		2.33(1.20-3.61)		636	
61 9ClFOS										
530.80 > 351.00	7.943	8.033	-0.090	1.360	83005	0.1374	Target=3.28	147	5693	
532.80 > 353.00	7.943	8.033	-0.090	1.360	27906		2.97(1.64-4.92)		1923	
62 PFNS										
548.80 > 79.90	8.037	8.124	-0.087	1.053	56596	0.1058	Target=3.47	110	3948	
548.80 > 98.80	8.037	8.124	-0.087	1.053	16264		3.48(1.74-5.21)		1154	
64 PFDoA										
613.10 > 569.00	8.169	8.254	-0.085		26647	0.1366	Target=2.89	137	1670	
613.10 > 319.00	8.169	8.254	-0.085		8430		3.16(1.45-4.34)		523	
D 63 PFDoA										
615.10 > 570.00	8.169	8.254	-0.085	1.111	496370	2.17		109	30917	
D 66 13C8 FOSA										
506.10 > 77.80	8.356	8.382	-0.026	1.095	1261741	1.56		77.9	37529	
65 PFOSA										M
498.10 > 77.90	8.356	8.397	-0.041	1.000	67616	0.1168	Target=73.95	117	349	M
498.10 > 478.00	8.356	8.397	-0.041	1.000	706		95.77(36.97-110.92)		5.9	M
67 PFDS										
599.00 > 79.90	8.402	8.487	-0.085	1.101	50179	0.0863	Target=3.95	89.5	2505	
599.00 > 98.80	8.402	8.487	-0.085	1.101	15708		3.19(1.98-5.93)		801	
68 PFTrDA										
663.00 > 619.00	8.535	8.624	-0.089	0.964	30165	0.1051	Target=3.51	105	1506	
663.00 > 168.90	8.535	8.624	-0.089	0.964	9047		3.33(1.75-5.26)		456	
69 11ClFOS										
630.90 > 450.90	8.673	8.778	-0.105	1.485	80552	0.1289	Target=3.05	137	4304	
632.90 > 452.90	8.673	8.778	-0.105	1.485	24344		3.31(1.52-4.57)		1297	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.857	8.955	-0.098	1.205	346685	1.70		85.0	17895	
71 PFTeDA										
713.10 > 168.90	8.857	8.955	-0.098	1.000	6216	0.0977	Target=1.07	97.7	315	
713.10 > 219.00	8.873	8.955	-0.082	1.002	5354		1.16(0.54-1.61)		35.8	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
72 PFDoS										
699.10 > 79.90	9.033	9.119	-0.086	1.183	70102	0.0751	Target=4.48	77.5	3746	
699.10 > 98.80	9.033	9.119	-0.086	1.183	16187		4.33(2.24-6.72)		875	
D 73 d7-N-Me-FOSE										
623.20 > 58.90	9.145	9.146	-0.001	1.198	418884	3.08		61.7	6921	
74 N-MeFOSE-M										
616.10 > 58.90	9.172	9.174	-0.002	1.003	133245	0.6009		120	448	
D 75 d3-NMePFOSA										
515.00 > 219.00	9.239	9.241	-0.002	1.210	214103	0.8530		42.6	7463	
76 NMeFOSA										
511.90 > 219.00	9.252	9.241	0.011	1.001	14695	0.1283	Target=0.69	128	71.5	
511.90 > 169.00	9.252	9.241	0.011	1.001	20700		0.71(0.35-1.04)		108	
D 77 d9-N-EtFOSE										
639.20 > 58.90	9.329	9.330	-0.001	1.222	497476	3.00		60.1	7177	
78 N-EtFOSE-M										
630.00 > 58.90	9.354	9.355	-0.001	1.003	171497	0.5517		110	52154	
D 79 d5-NEtPFOSA										
531.10 > 219.00	9.400	9.401	-0.001	1.232	239573	0.8589		42.9	15903	
80 N-EtFOSA-M										
526.00 > 219.00	9.412	9.413	-0.001	1.001	15802	0.1096	Target=0.75	110	108	
526.00 > 169.00	9.412	9.413	-0.001	1.001	21321		0.74(0.37-1.12)		123	
81 Perfluorooctadecanoic acid										
913.00 > 869.00	9.597	9.773	-0.176	1.084	21721	0.0594	Target=2.09	59.4	1279	
913.00 > 169.00	9.597	9.773	-0.176	1.084	10200		2.13(1.04-3.13)		606	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_IS_V_00235 Amount Added: 50.00 Units: uL

Report Date: 10-Mar-2025 15:14:52 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR06-41.d

Injection Date: 07-Mar-2025 03:10:07 Instrument ID: 30729

Lims ID: LLCS 410-613587/4-A

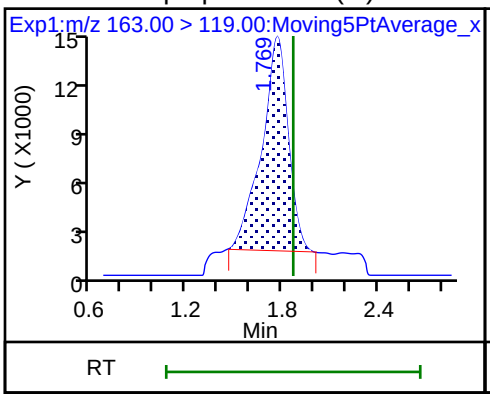
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Operator ID: ETUS023_USR_INS00054 ALS Bottle#: 33 Worklist Smp#: 37

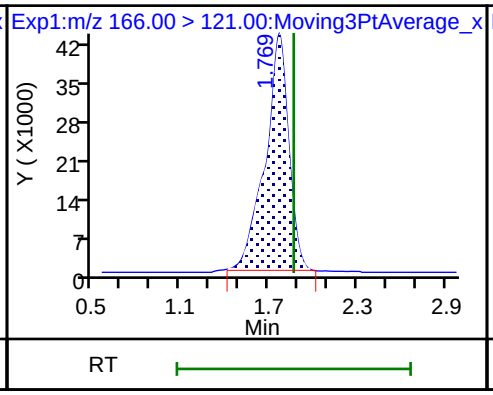
Injection Vol: 7.0 ul Dil. Factor: 1.0000

Method: 30729_1633Final Limit Group: LC - 1633 LVI- ICAL

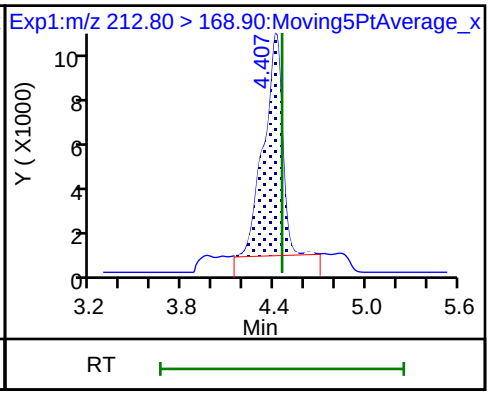
1 Perfluoropropionic acid (M)



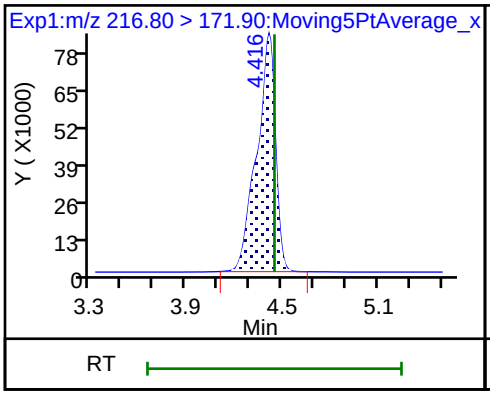
D 2 13C3PFPrA



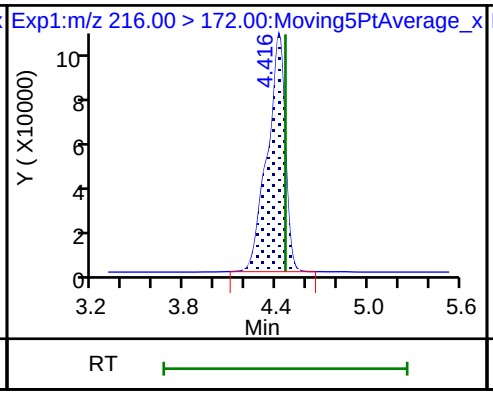
5 PFBA



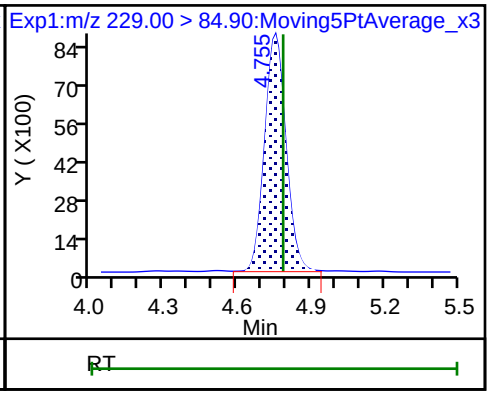
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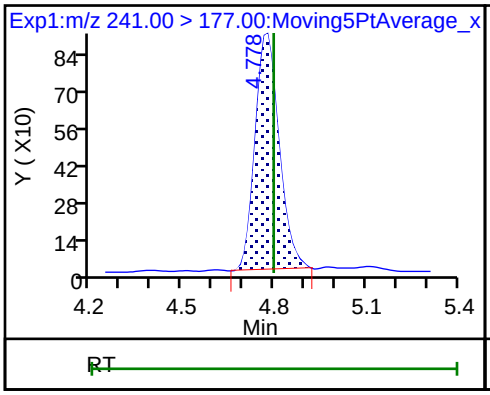
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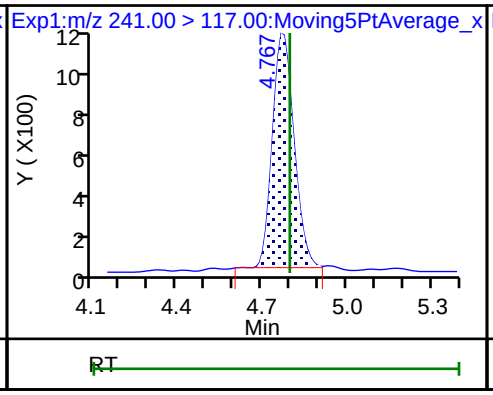
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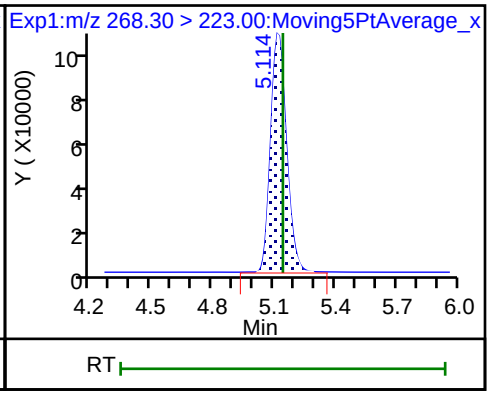
7 3:3 FTCA



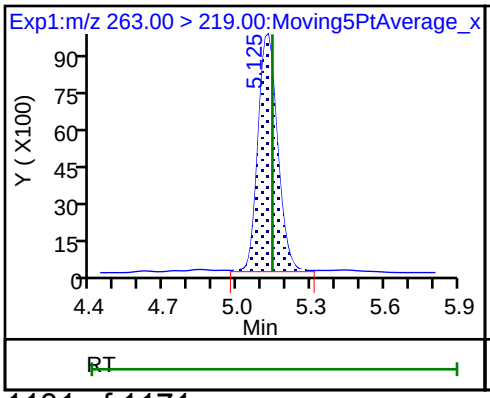
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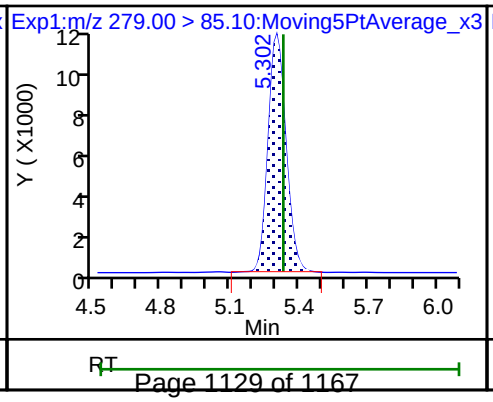
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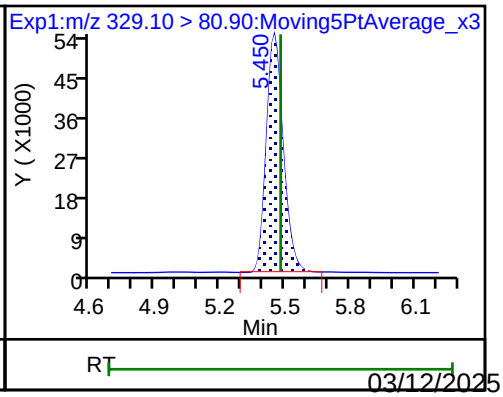
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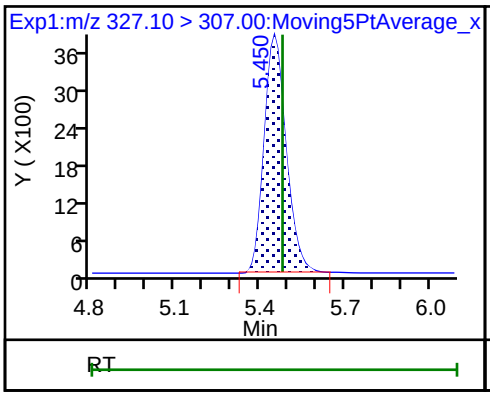
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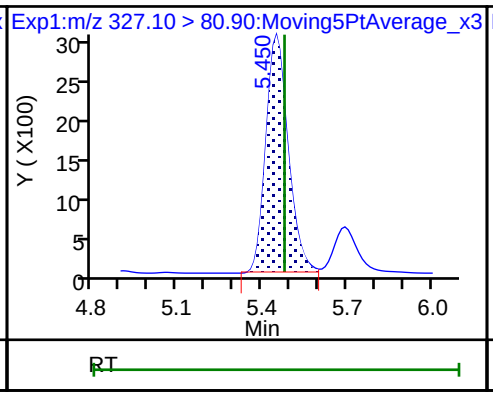
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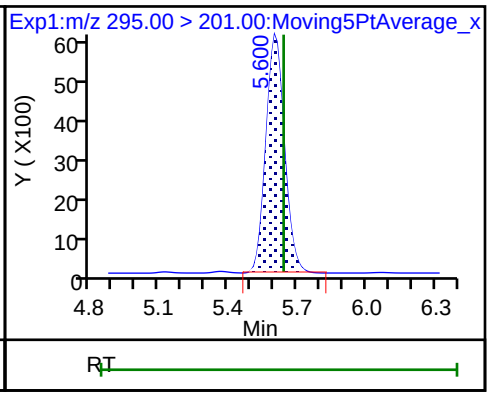
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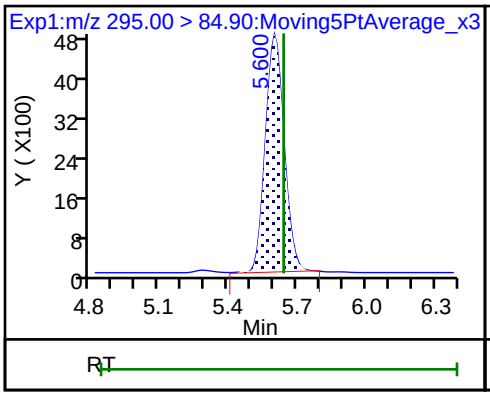
13 4:2FTS



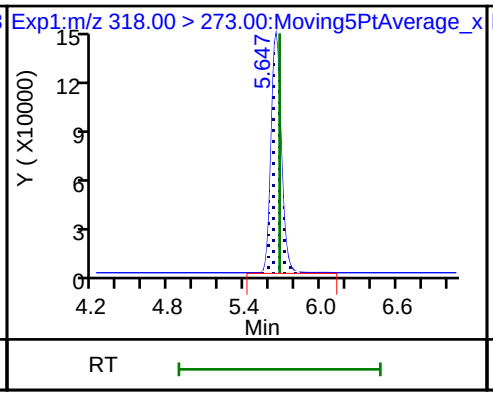
15 NFDHA



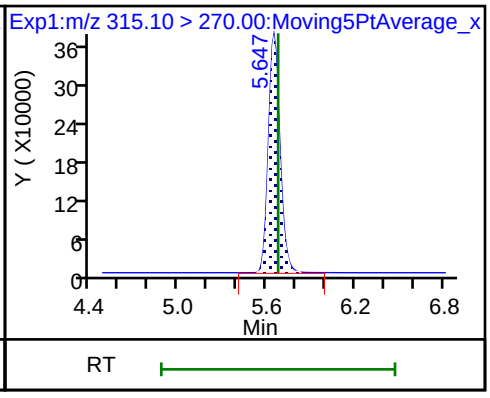
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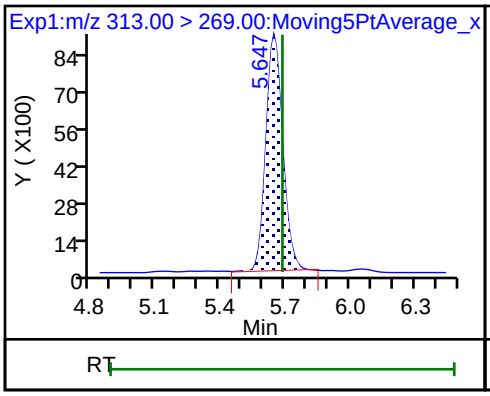
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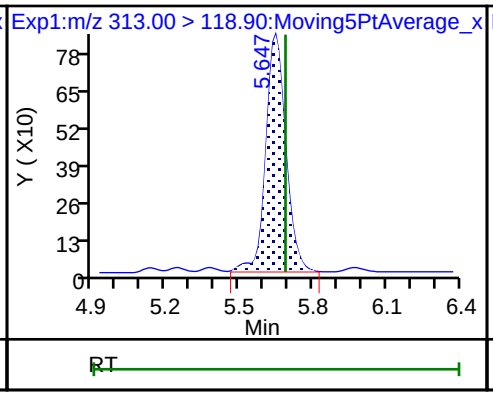
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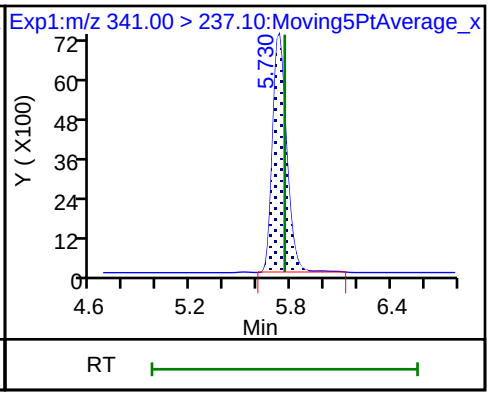
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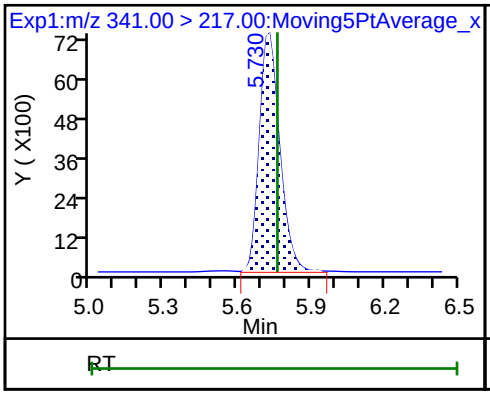
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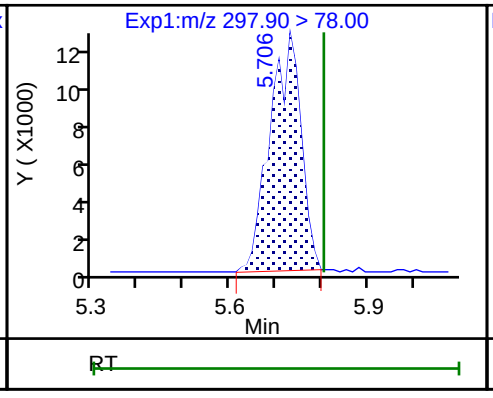
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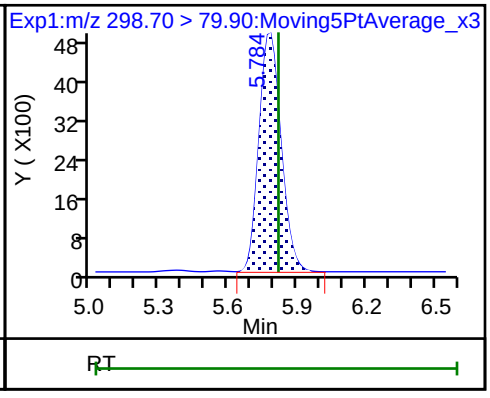
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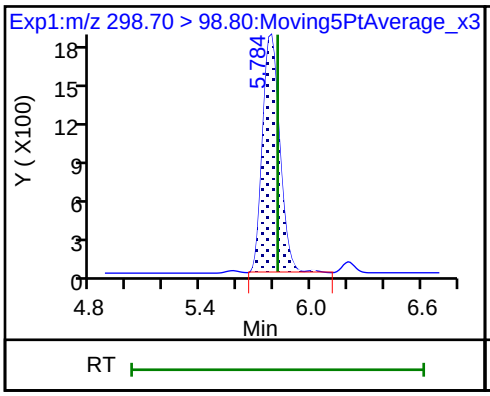
14 FBSA



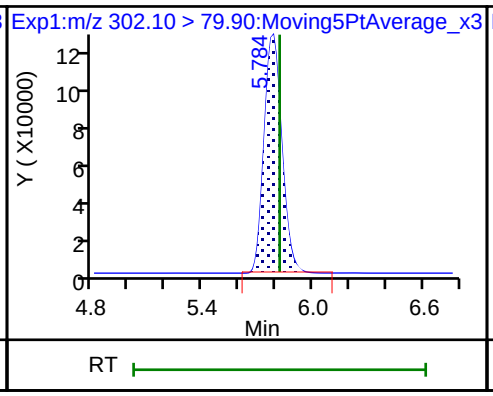
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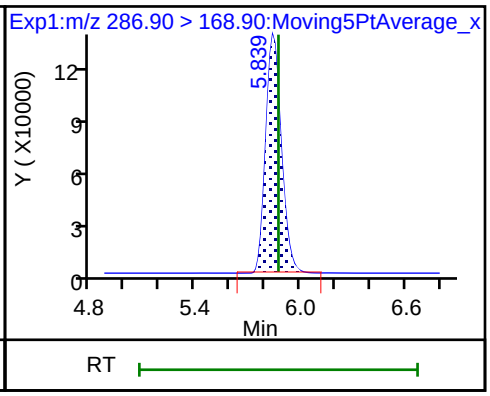
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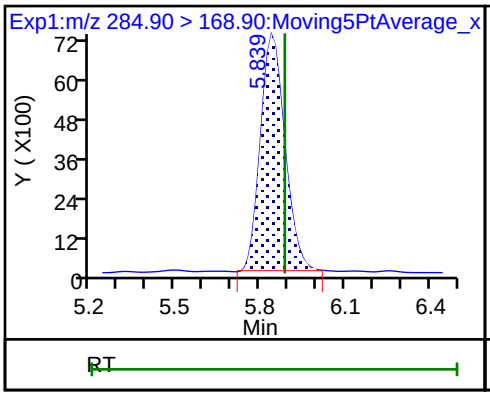
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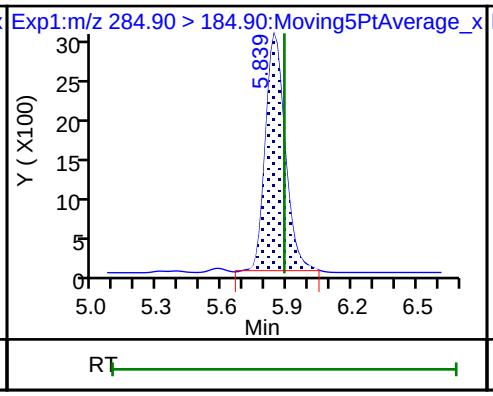
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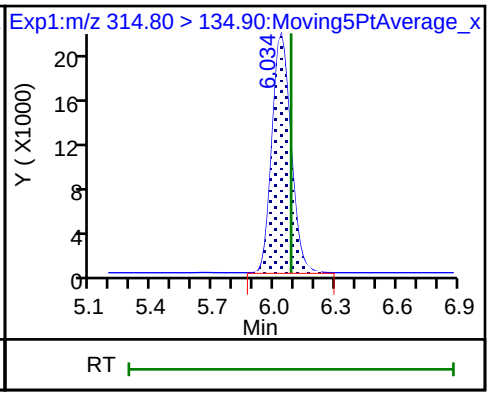
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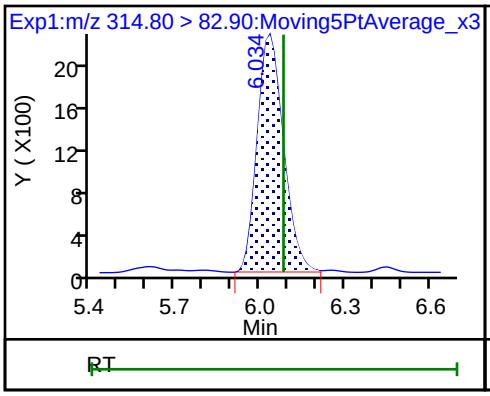
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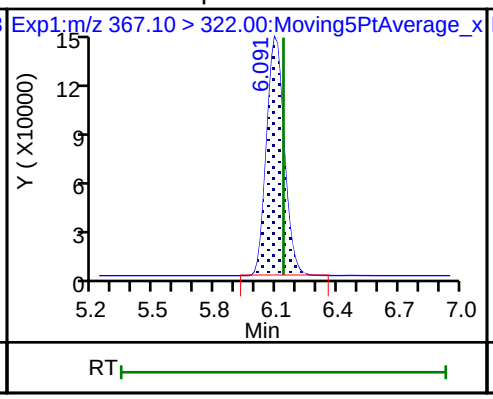
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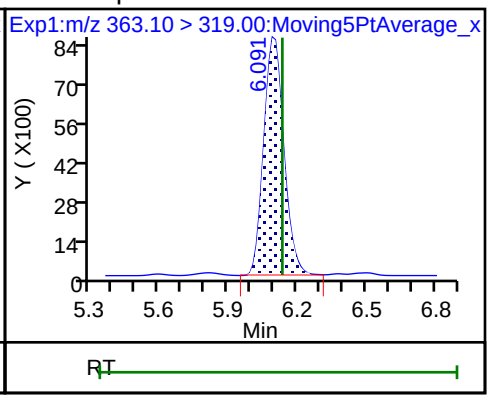
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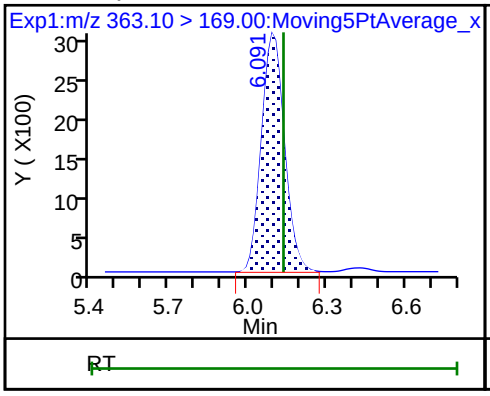
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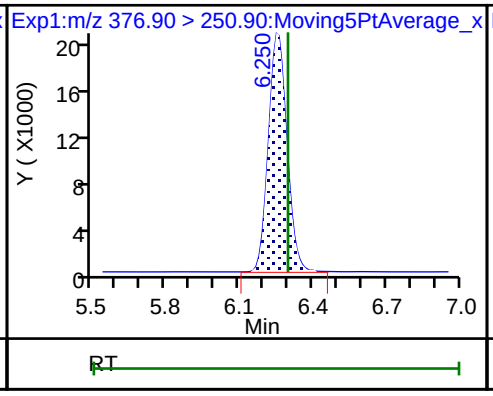
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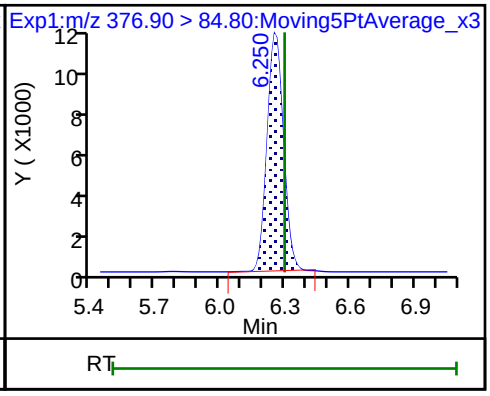
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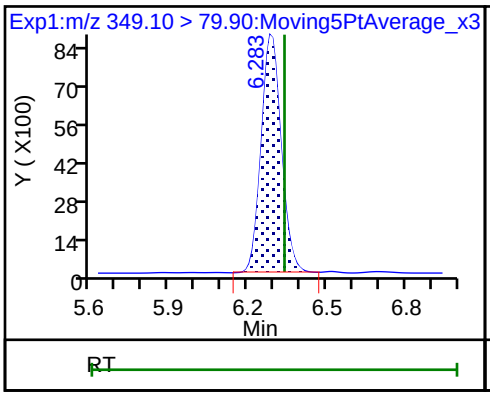
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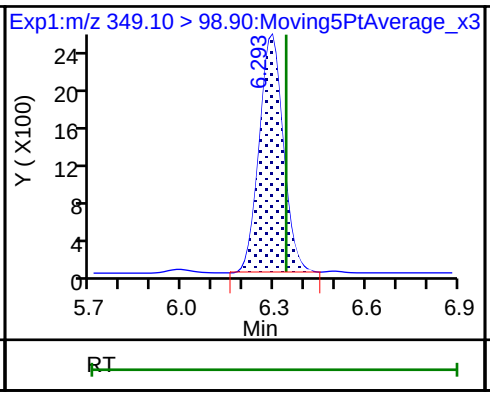
29 ADONA



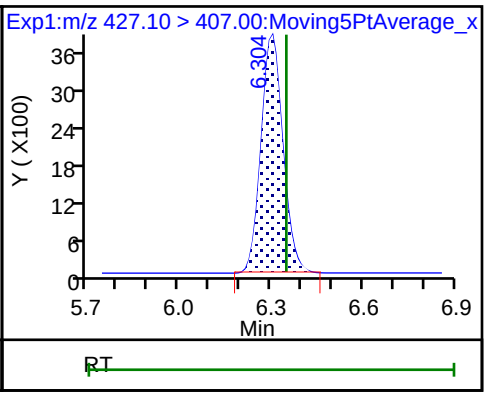
30 PFPeS



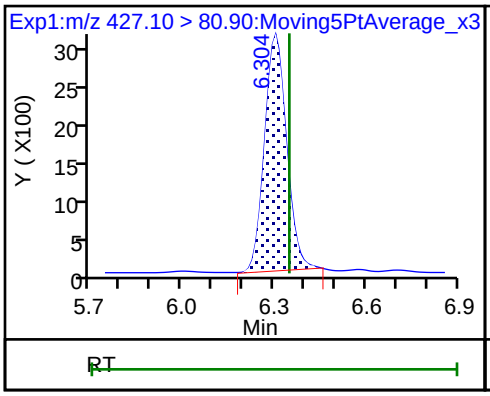
30 PFPeS



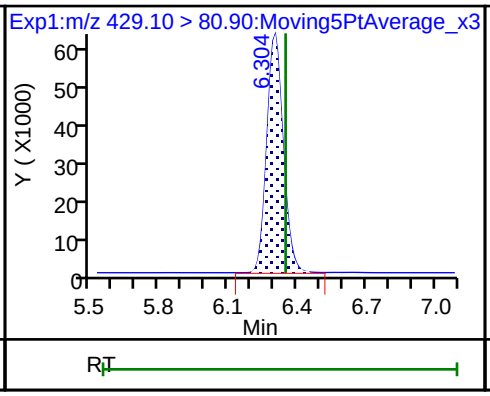
32 6:2FTS



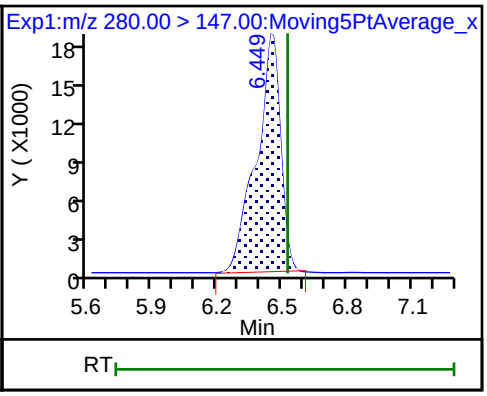
32 6:2FTS



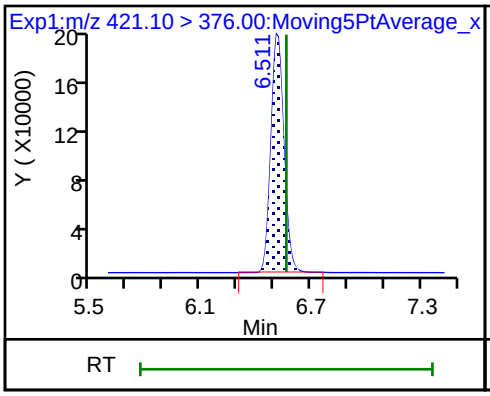
D 31 13C2-6:2FTS



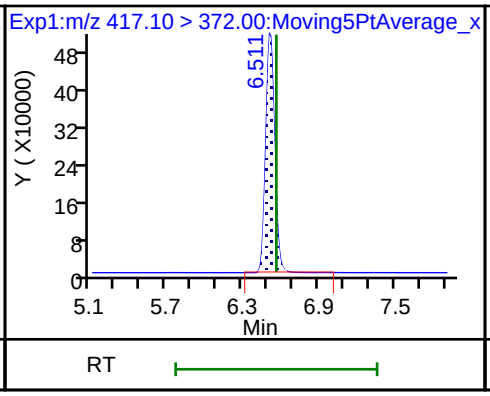
33 BTS



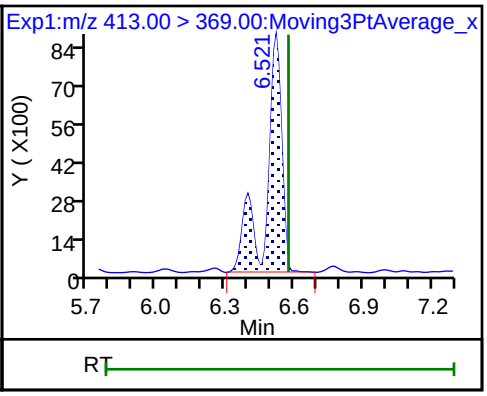
D 34 13C8 PFOA



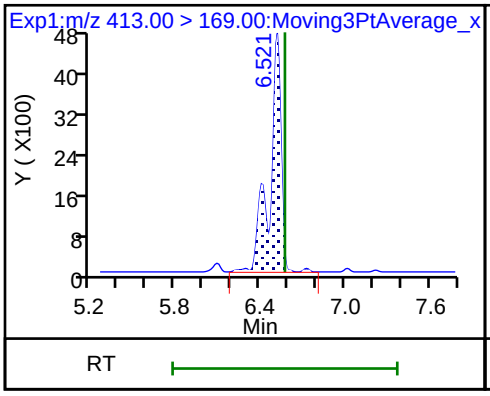
* 40 13C4 PFOA



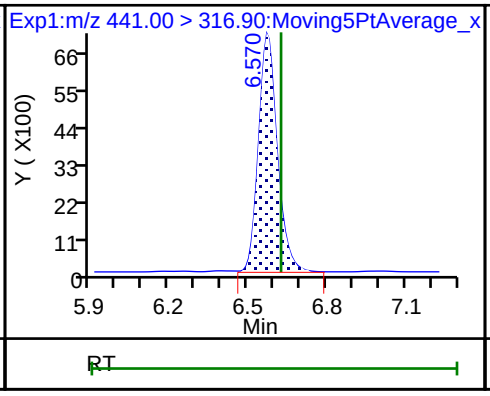
35 PFOA



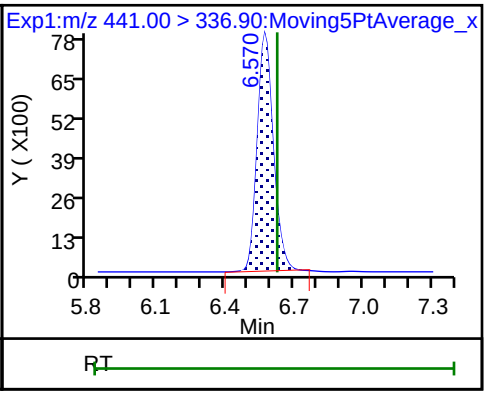
35 PFOA



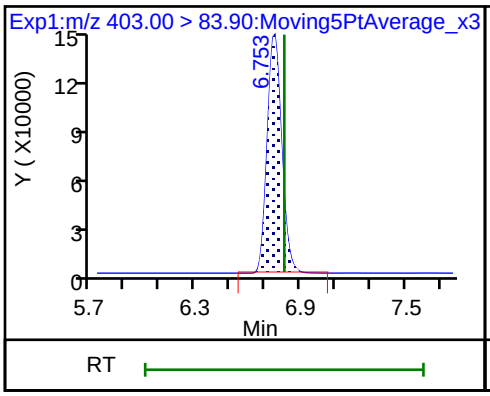
36 7:3 FTCA



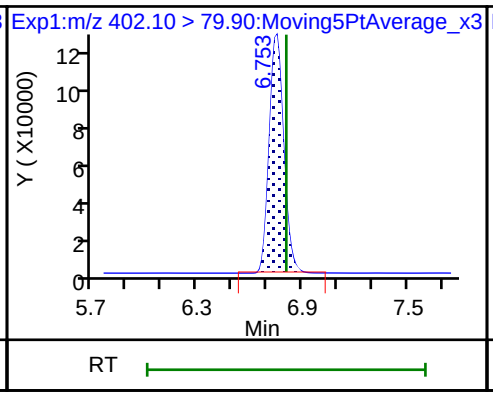
36 7:3 FTCA



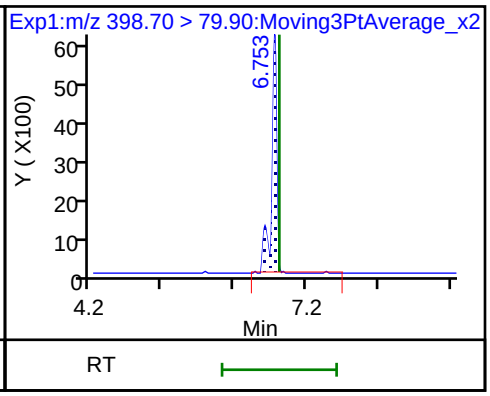
* 38 18O2 PFHxS



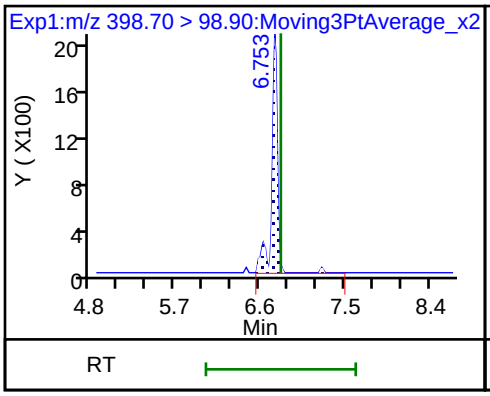
D 37 13C3 PFHxS



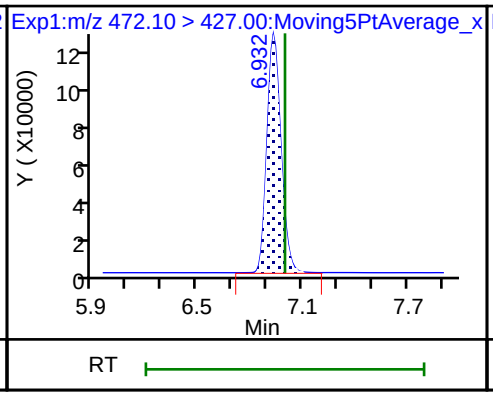
39 PFHxS



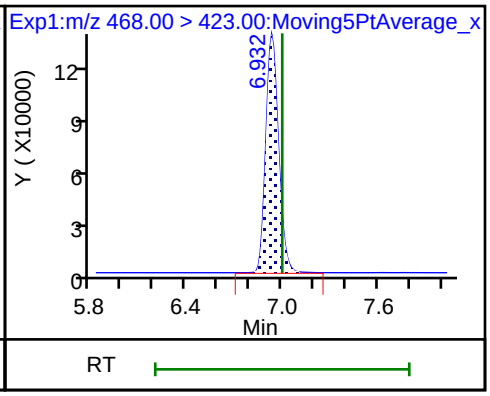
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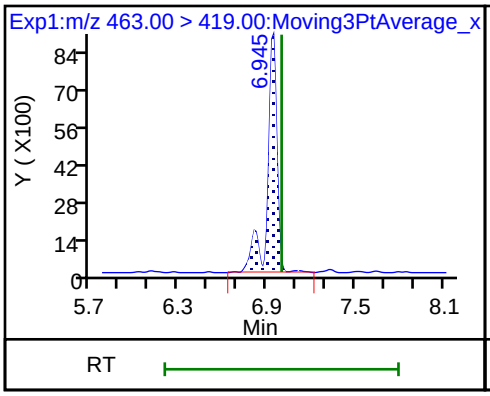
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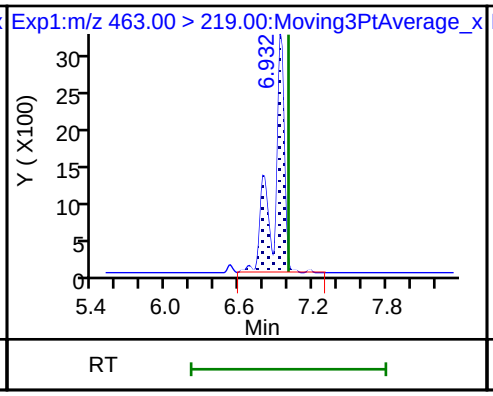
* 42 13C5 PFNA



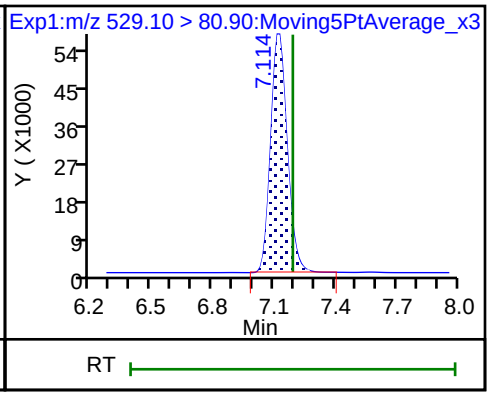
43 PFNA



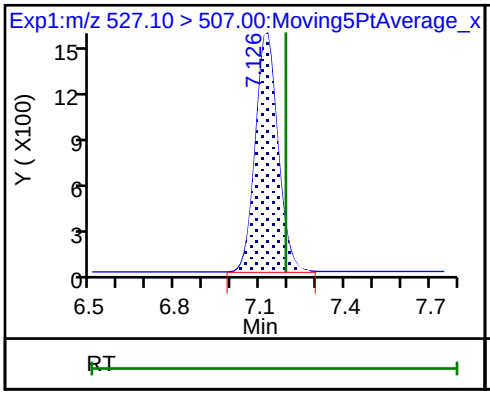
43 PFNA



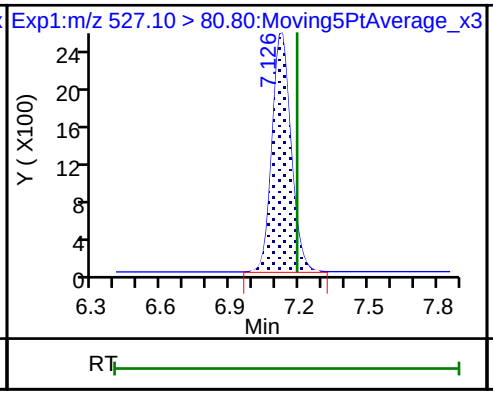
D 45 13C2-8:2FTS



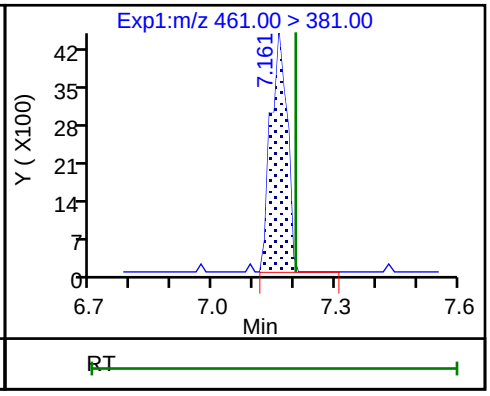
46 8:2FTS



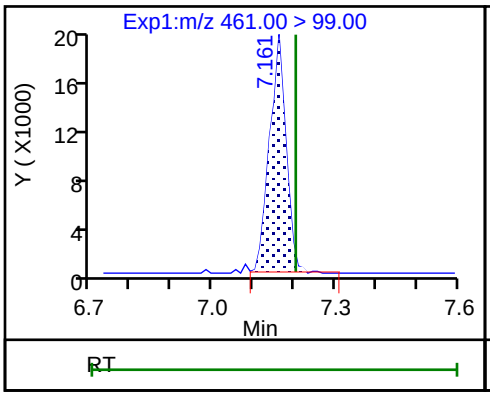
46 8:2FTS



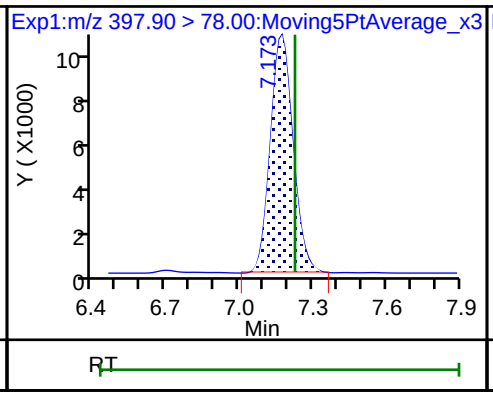
44 PFECHS



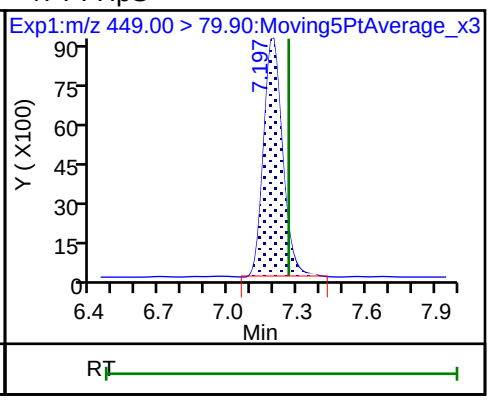
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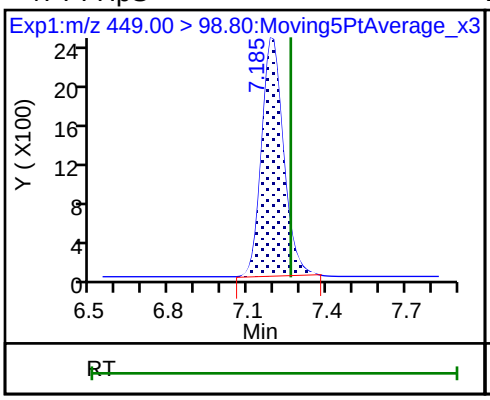
48 FHxSA



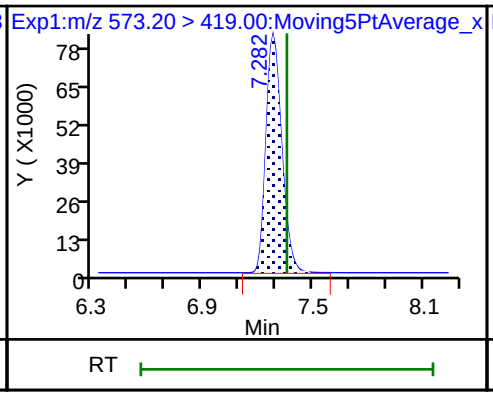
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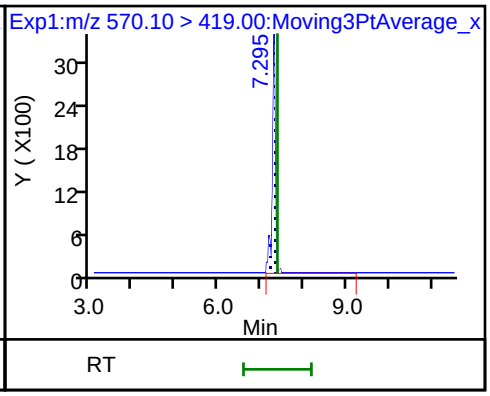
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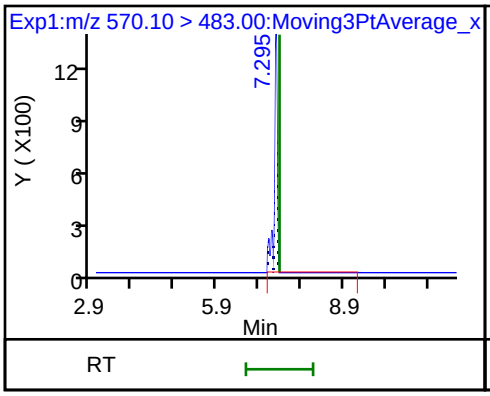
D 49 d3-NMeFOSAA



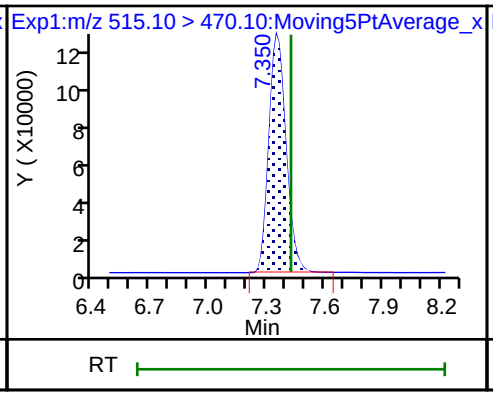
50 NMeFOSAA



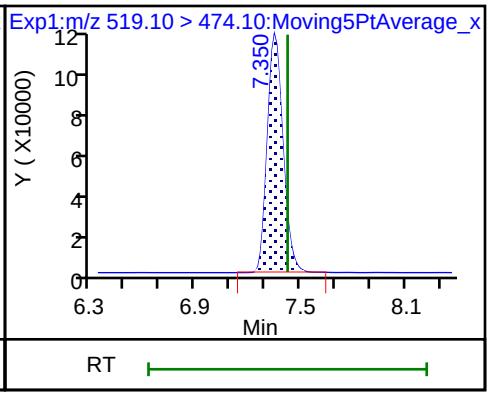
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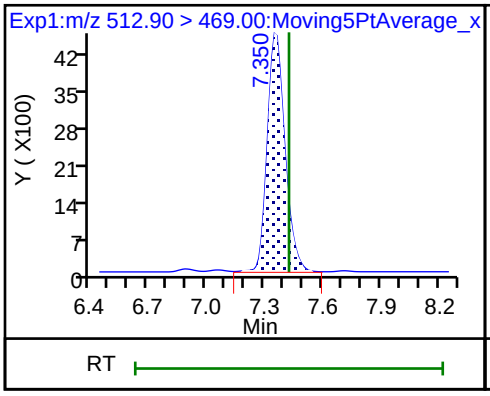
* 51 13C2 PFDA



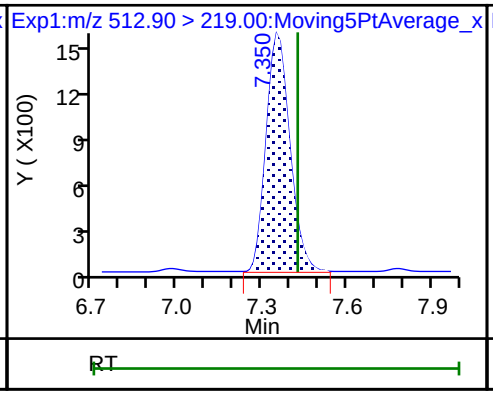
D 52 13C6 PFDA



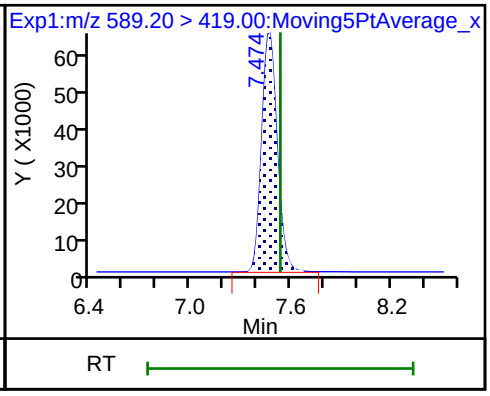
53 PFDA



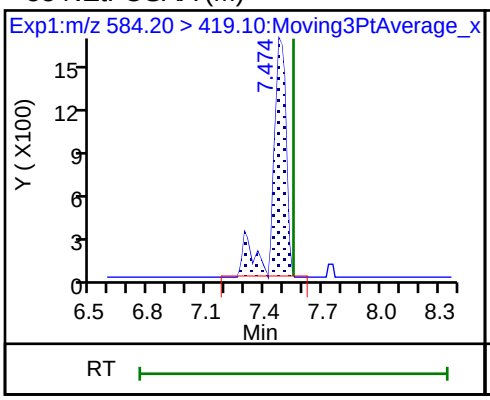
53 PFDA



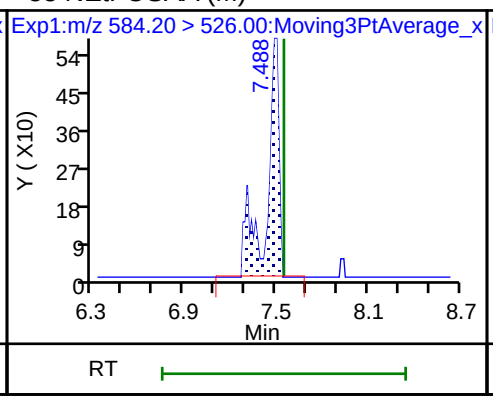
D 54 d5-NEtFOSAA



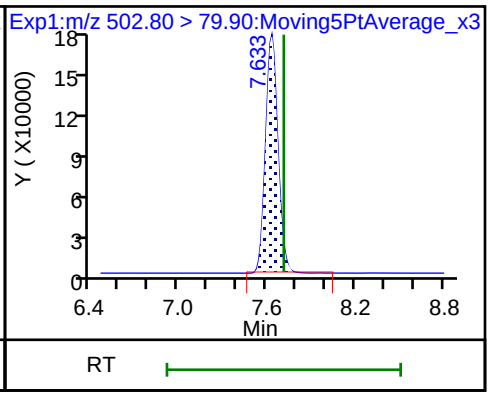
55 NEtFOSAA (M)



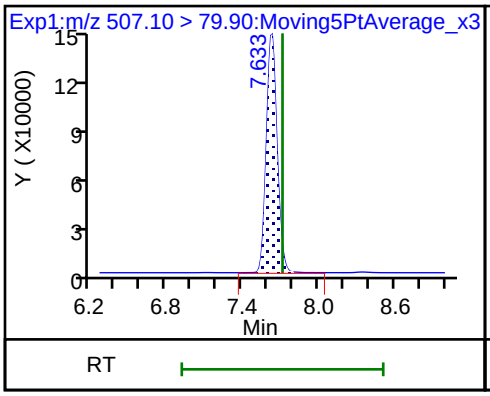
55 NEtFOSAA (M)



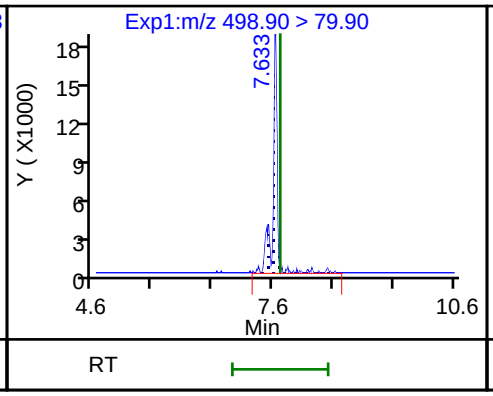
* 57 13C4 PFOS



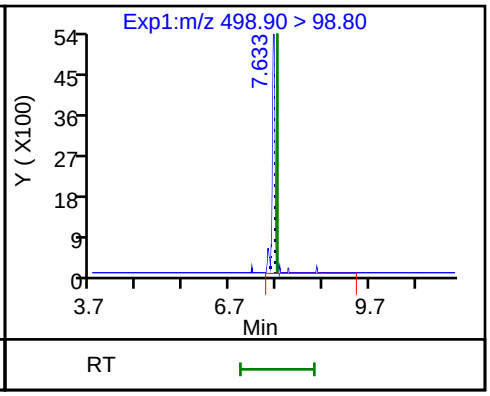
D 56 13C8 PFOS



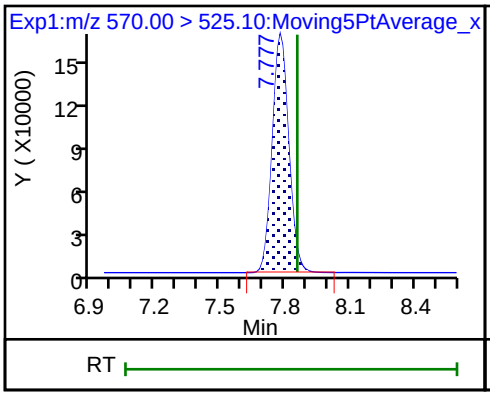
58 PFOS



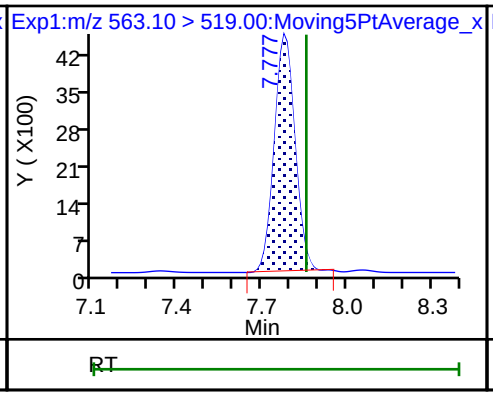
58 PFOS



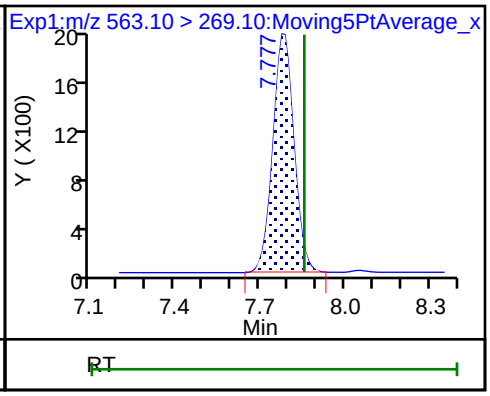
D 59 13C7 PFUnA



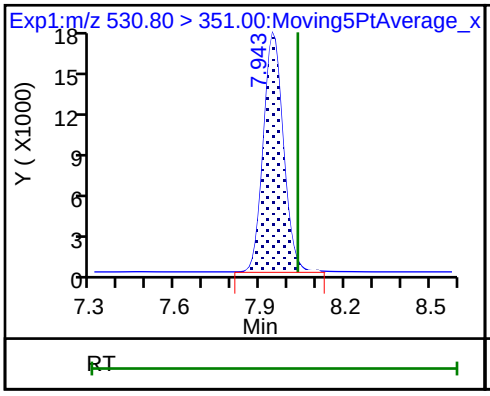
60 PFUnA



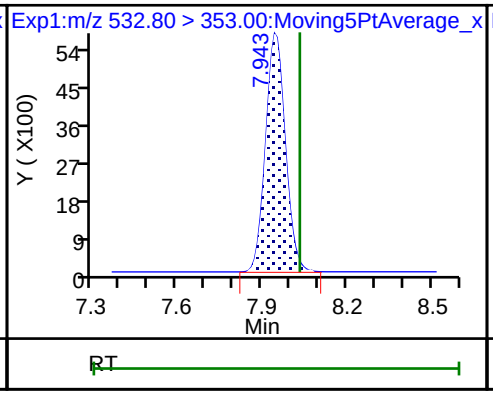
60 PFUnA



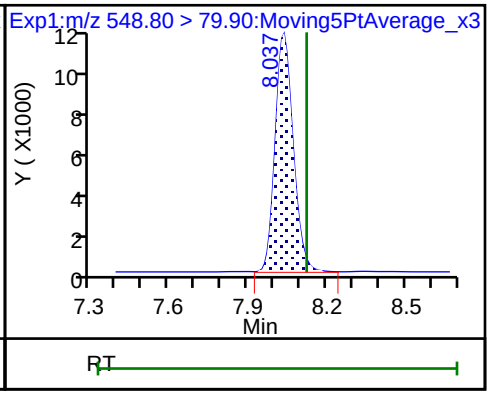
61 9ClFOS



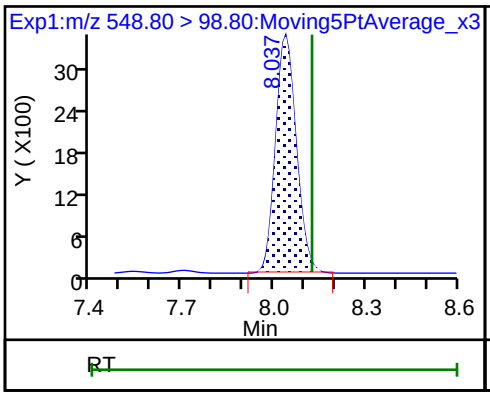
61 9ClFOS



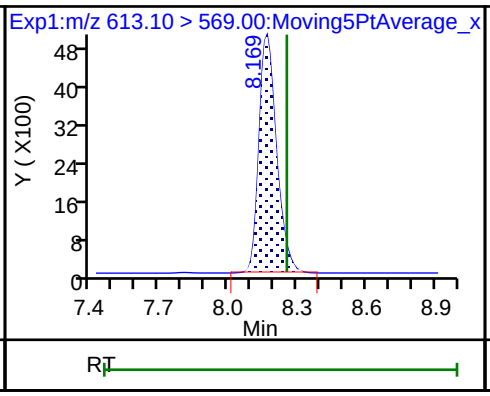
62 PFNS



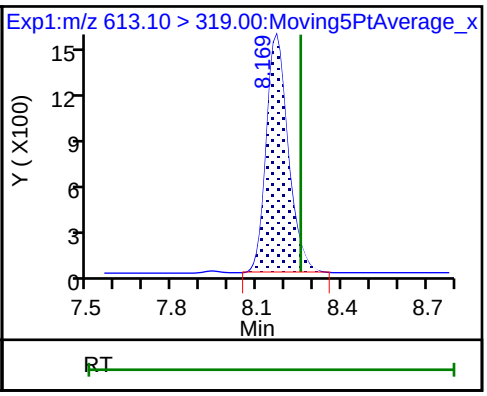
62 PFNS



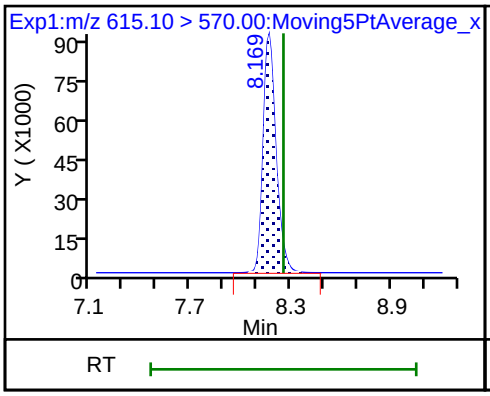
64 PFDoA



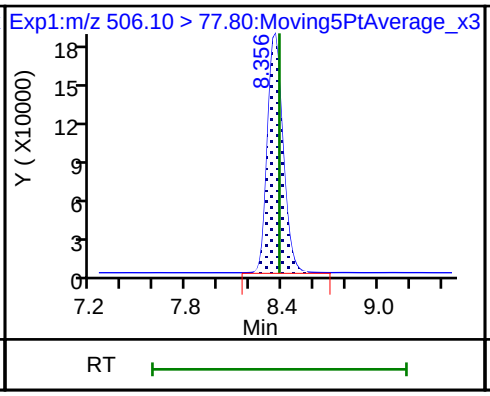
64 PFDoA



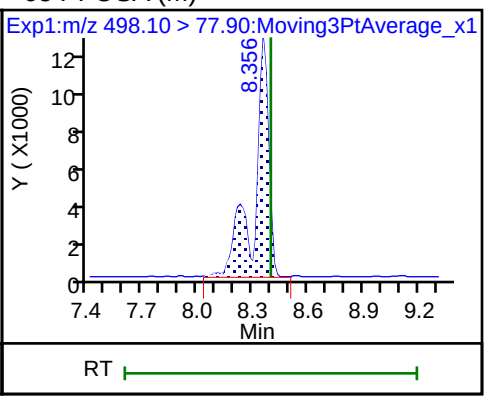
D 63 PFDoA



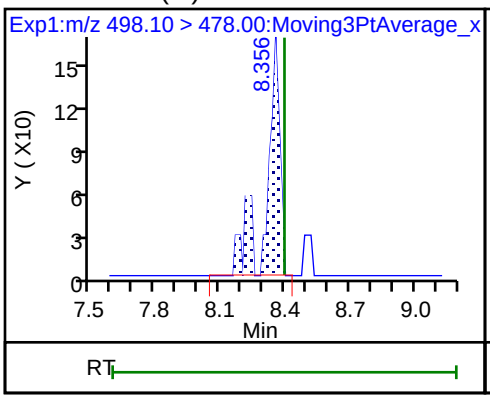
D 66 13C8 FOSA



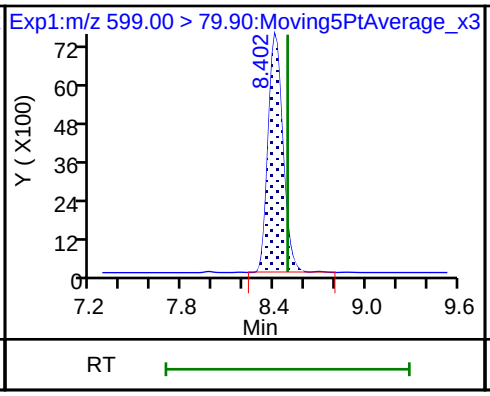
65 PFOSA (M)



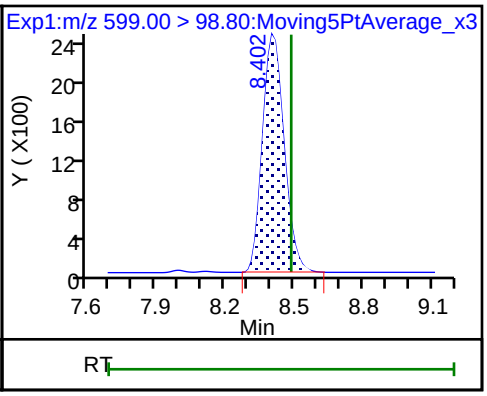
65 PFOSA (M)



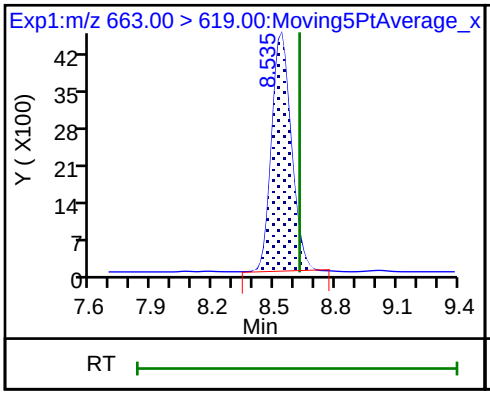
67 PFDS



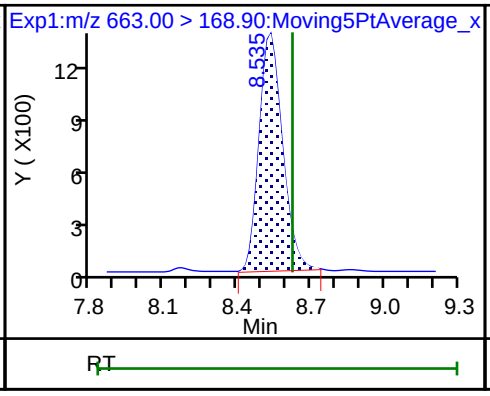
67 PFDS



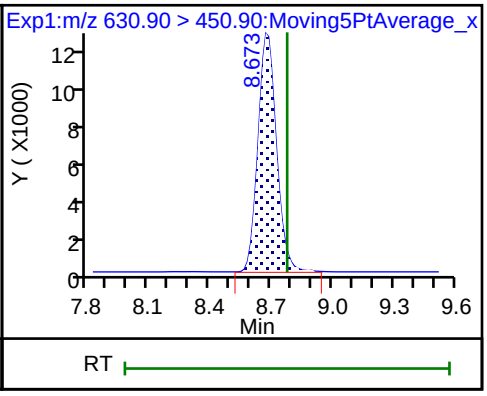
68 PFTrDA



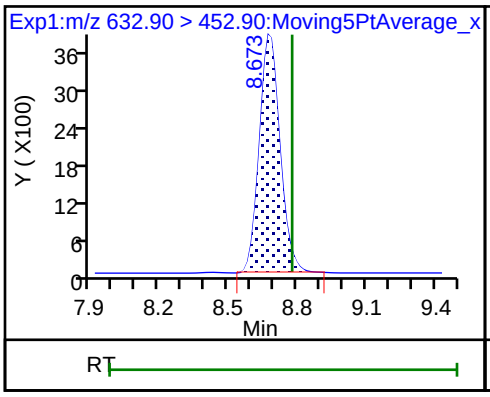
68 PFTrDA



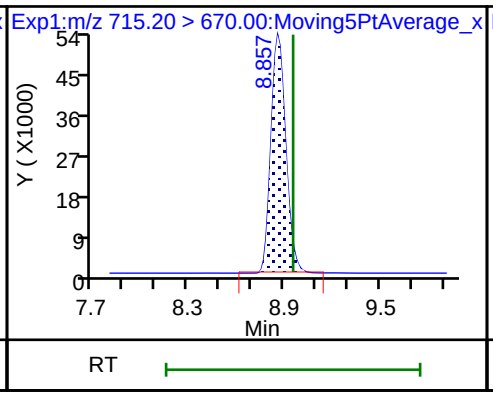
69 11ClFOS



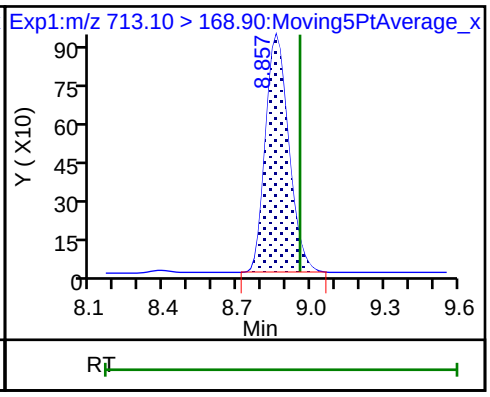
69 11ClFOS



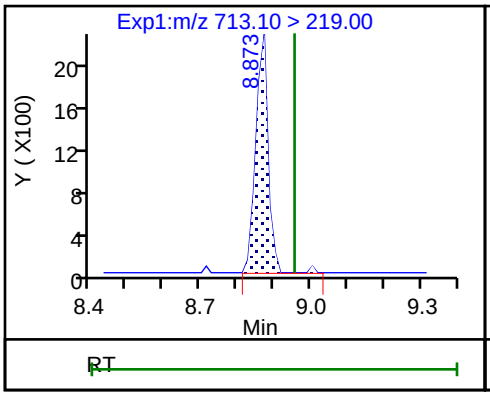
D 70 13C2 PFTeDA



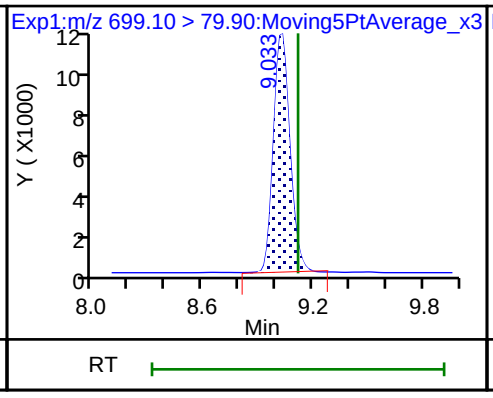
71 PFTeDA



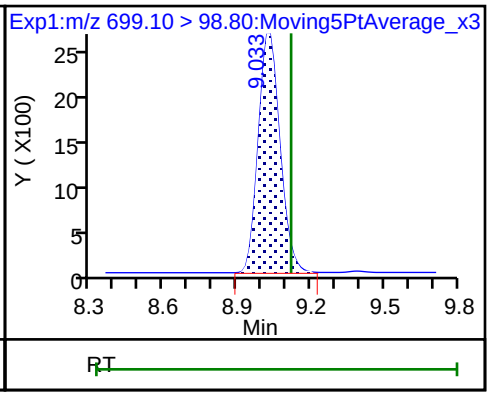
71 PFTeDA



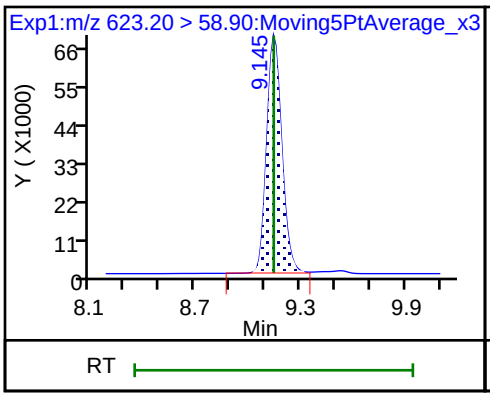
72 PFDoS



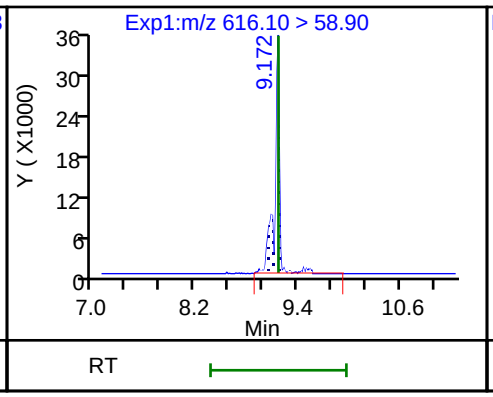
72 PFDoS



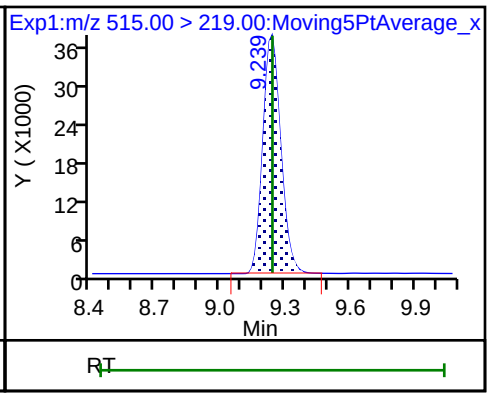
D 73 d7-N-Me-FOSE



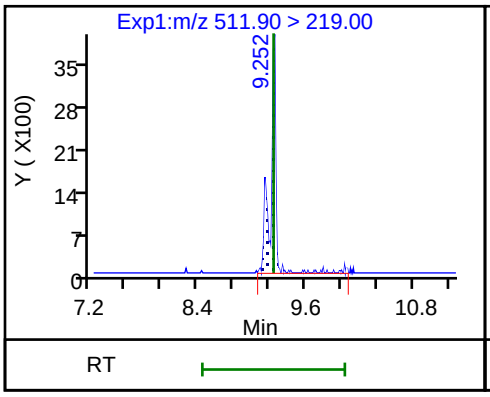
74 N-MeFOSE-M



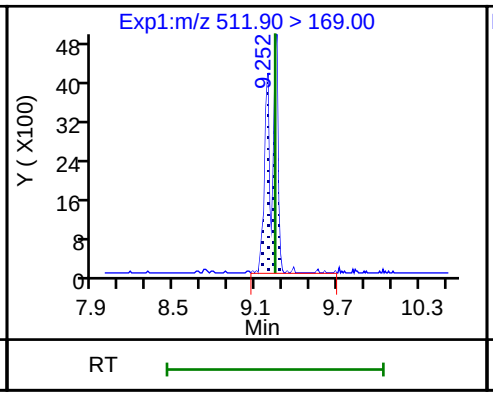
D 75 d3-NMePFOSA



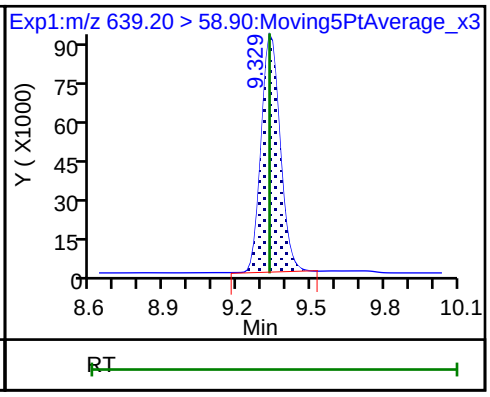
76 NMeFOSA



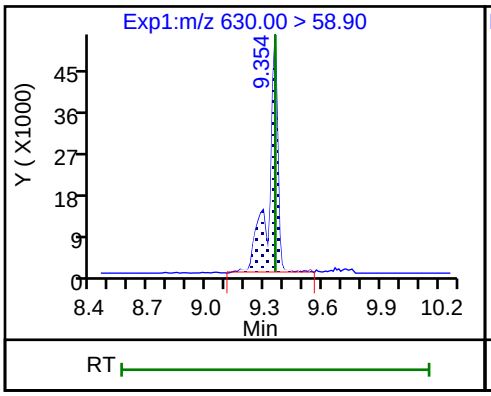
76 NMeFOSA



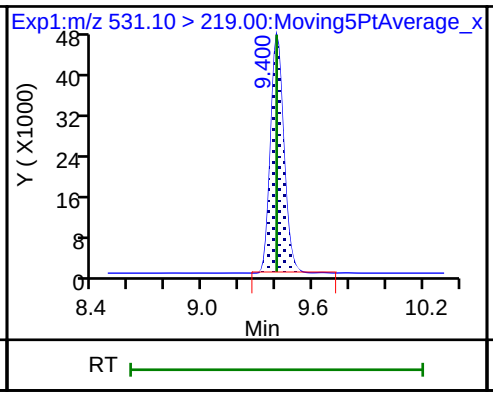
D 77 d9-N-EtFOSE



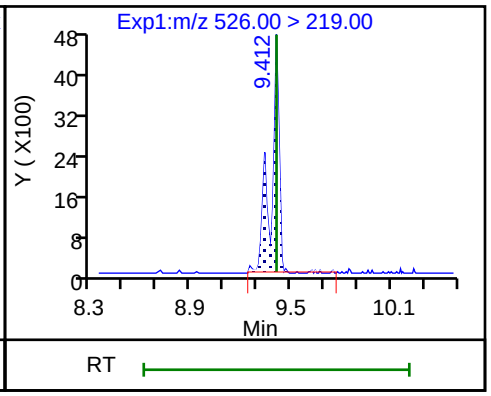
78 N-EtFOSE-M



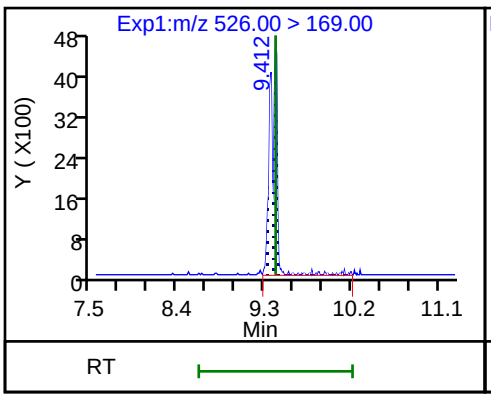
D 79 d5-NEtPFOSA



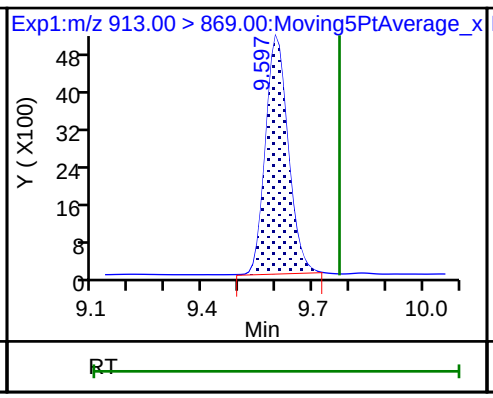
80 N-EtFOSA-M



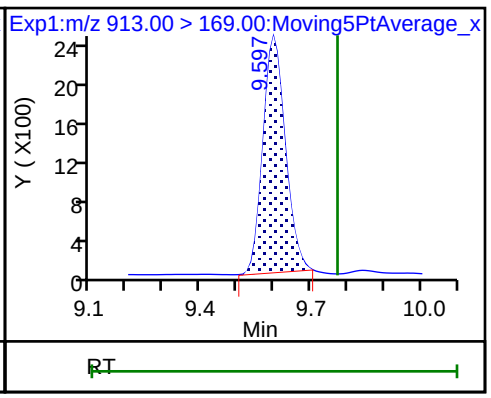
80 N-EtFOSA-M



81 Perfluorooctadecanoic acid



81 Perfluorooctadecanoic acid



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

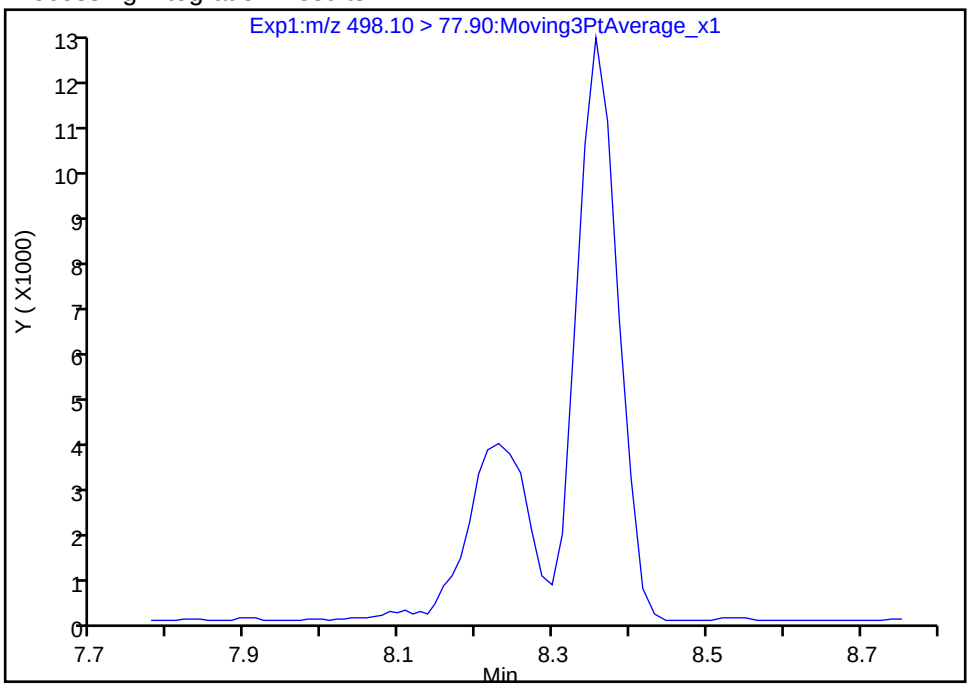
Data File: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR06-41.d
Injection Date: 07-Mar-2025 03:10:07 Instrument ID: 30729
Lims ID: LLCS 410-613587/4-A
Client ID:
Operator ID: ETUS023_USR_INS00054 ALS Bottle#: 33 Worklist Smp#: 37
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Method: 30729_1633Final Limit Group: LC - 1633 LVI- ICAL
Column: Detector EXP1

65 PFOSA, CAS: 754-91-6

Signal: 1

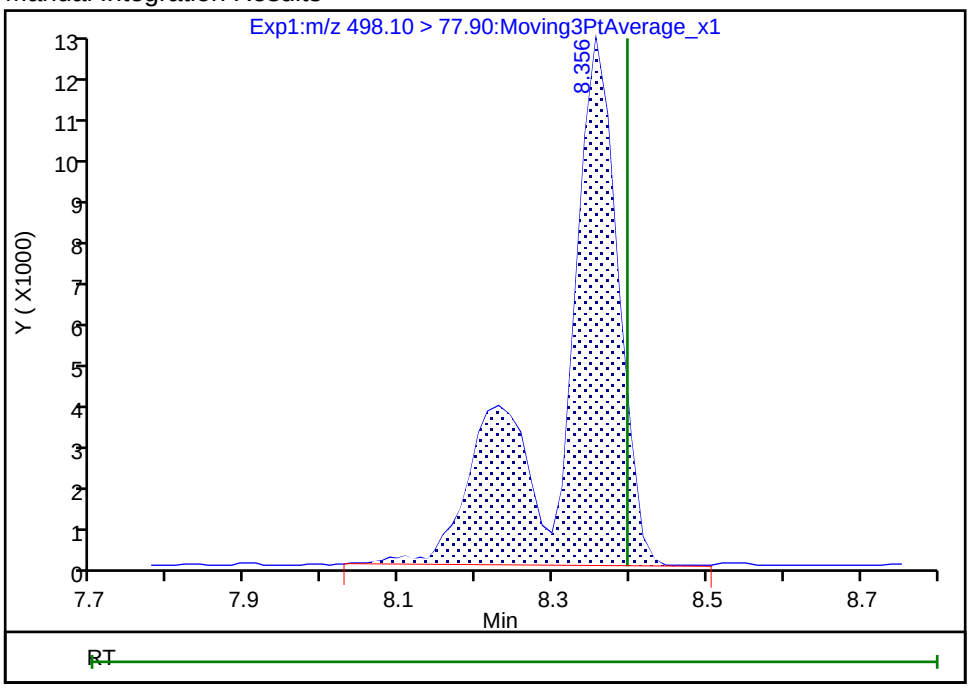
Not Detected
Expected RT: 8.40

Processing Integration Results



Manual Integration Results

RT: 8.36
Area: 67616
Amount: 0.116849
Amount Units: ng/ml



Reviewer: RPU6, 10-Mar-2025 15:08:58 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

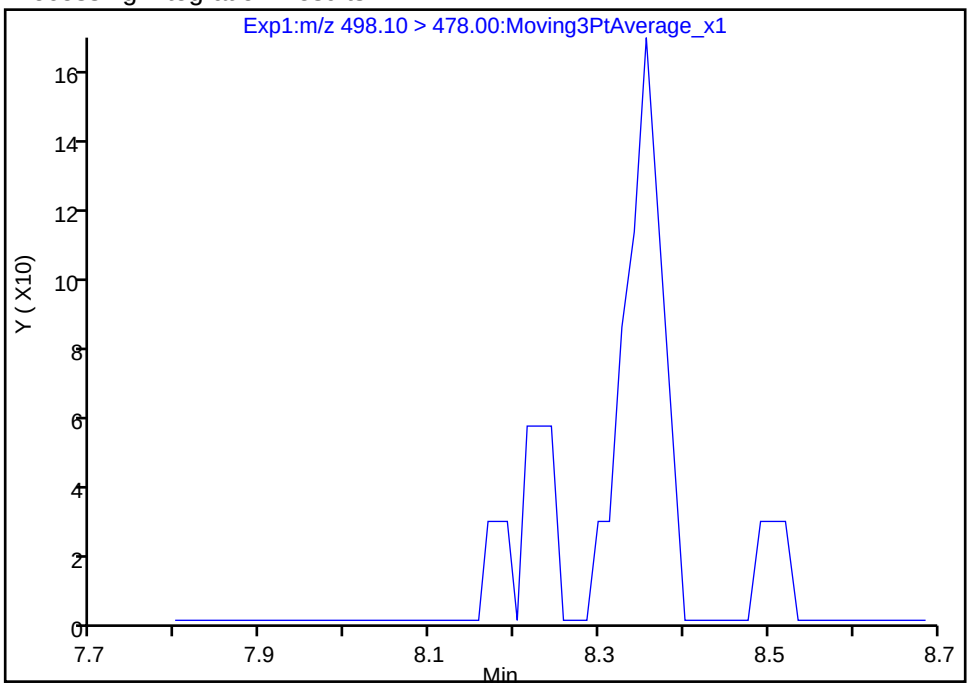
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Injection Date:	07-Mar-2025 03:10:07	Instrument ID:	30729		
Lims ID:	LLCS 410-613587/4-A				
Client ID:					
Operator ID:	ETUS023_USR_INS00054	ALS Bottle#:	33	Worklist Smp#:	37
Injection Vol:	7.0 ul	Dil. Factor:	1.0000		
Method:	30729_1633Final	Limit Group:	LC - 1633 LVI- ICAL		
Column:		Detector	EXP1		

65 PFOSA, CAS: 754-91-6

Signal: 2

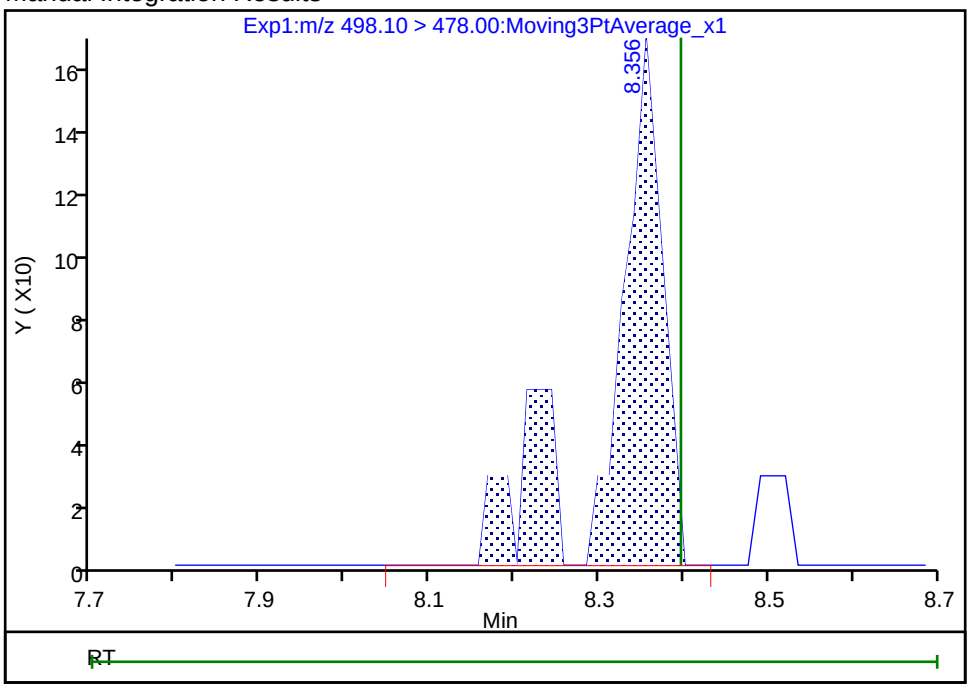
Not Detected
Expected RT: 8.40

Processing Integration Results



Manual Integration Results

RT: 8.36
Area: 706
Amount: 0.116849
Amount Units: ng/ml



Reviewer: RPU6, 10-Mar-2025 15:09:02 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

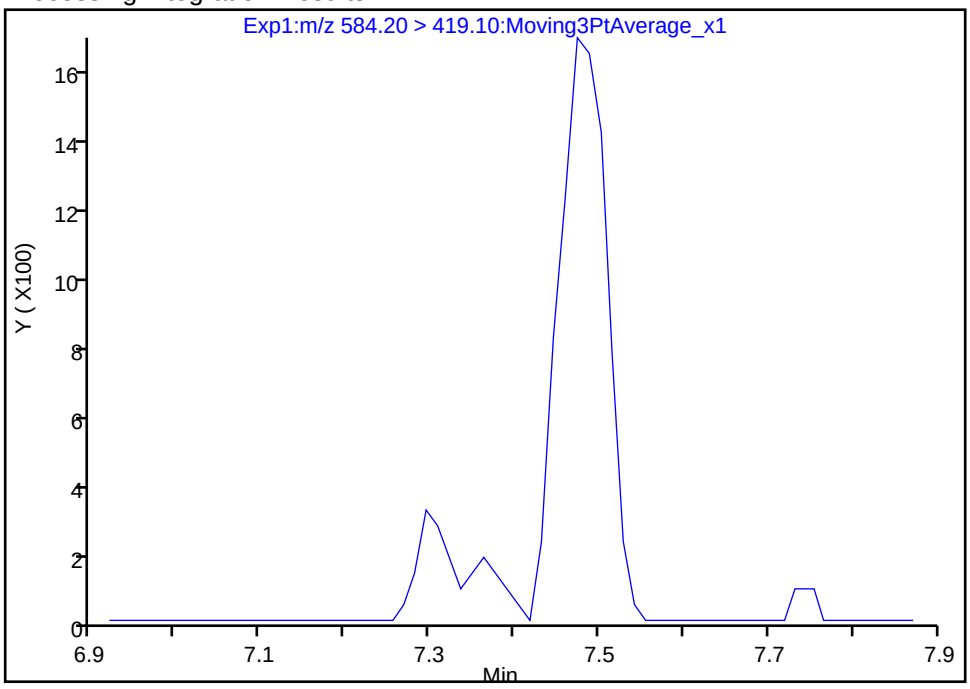
Data File: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR06-41.d
Injection Date: 07-Mar-2025 03:10:07 Instrument ID: 30729
Lims ID: LLCS 410-613587/4-A
Client ID:
Operator ID: ETUS023_USR_INS00054 ALS Bottle#: 33 Worklist Smp#: 37
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Method: 30729_1633Final Limit Group: LC - 1633 LVI- ICAL
Column: Detector EXP1

55 NEtFOSAA, CAS: 2991-50-6

Signal: 1

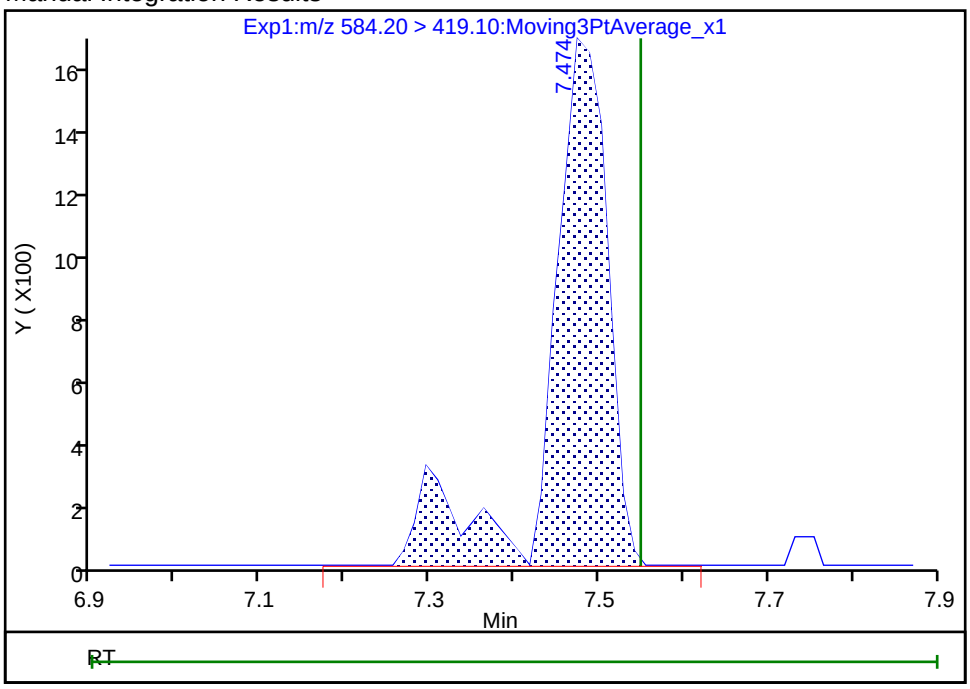
Not Detected
Expected RT: 7.55

Processing Integration Results



Manual Integration Results

RT: 7.47
Area: 7770
Amount: 0.105334
Amount Units: ng/ml



Reviewer: RPU6, 10-Mar-2025 15:08:48 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

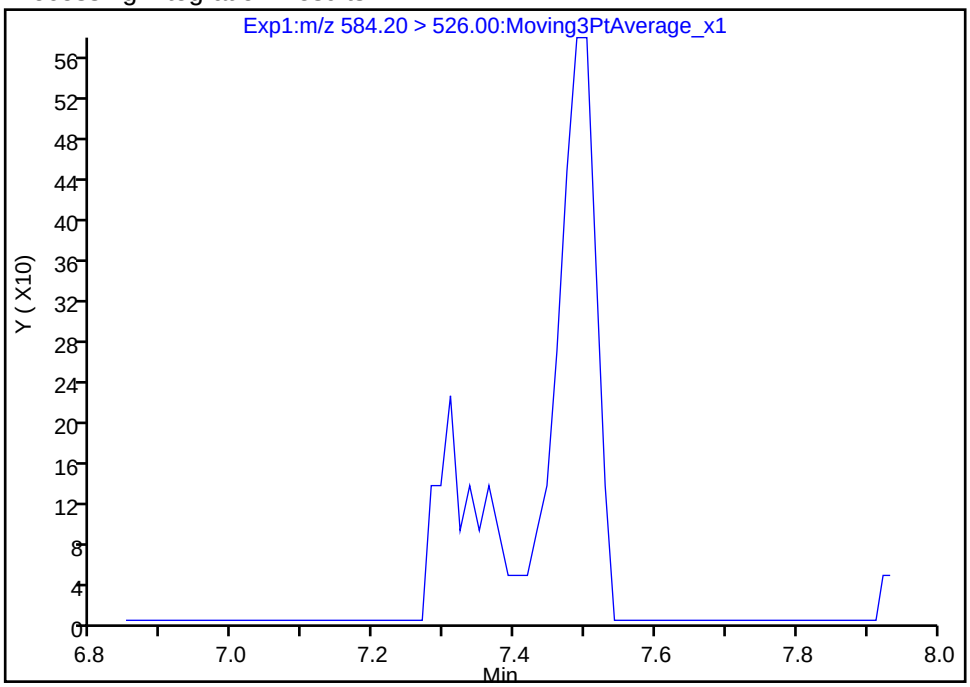
Data File: \\chromfs\Lancaster\ChromData\30729\20250306-140106.b\25MAR06-41.d
Injection Date: 07-Mar-2025 03:10:07 Instrument ID: 30729
Lims ID: LLCS 410-613587/4-A
Client ID:
Operator ID: ETUS023_USR_INS00054 ALS Bottle#: 33 Worklist Smp#: 37
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Method: 30729_1633Final Limit Group: LC - 1633 LVI- ICAL
Column: Detector EXP1

55 NEtFOSAA, CAS: 2991-50-6

Signal: 2

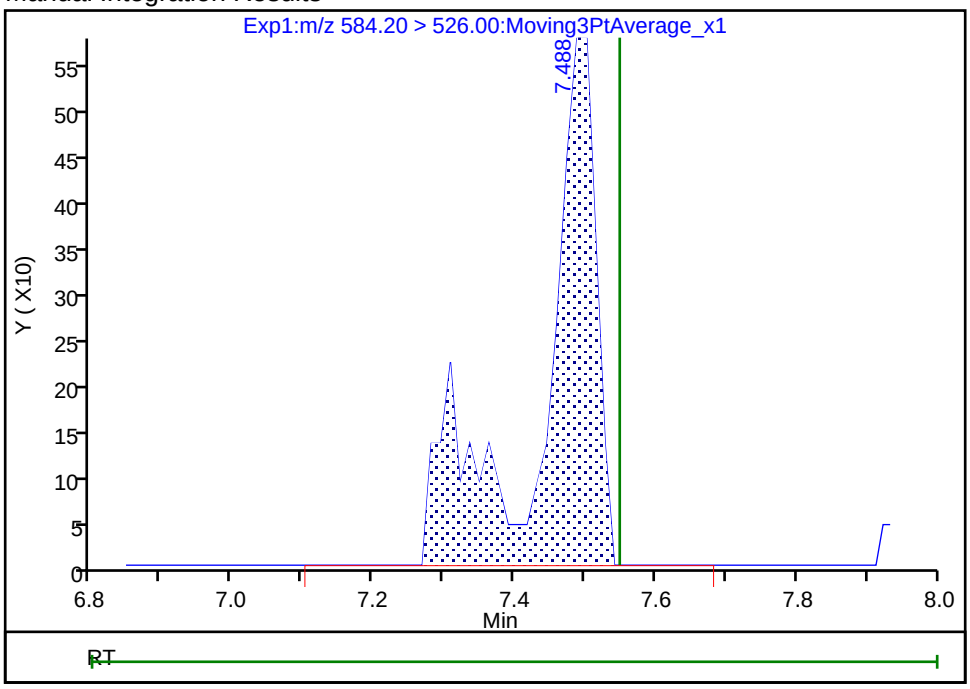
Not Detected
Expected RT: 7.55

Processing Integration Results



Manual Integration Results

RT: 7.49
Area: 3041
Amount: 0.105334
Amount Units: ng/ml



Reviewer: RPU6, 10-Mar-2025 15:08:52 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-209941-1

SDG No.:

Instrument ID: 29347

Start Date: 02/27/2025 15:11

Analysis Batch Number: 610933

End Date: 02/27/2025 17:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 410-610933/1		02/27/2025 15:11	1	25FEB27ICAL-01.d	Gemini C18 50mm 3(mm)
IC 410-610933/2		02/27/2025 15:25	1	25FEB27ICAL-02.d	Gemini C18 50mm 3(mm)
IC 410-610933/3		02/27/2025 15:39	1	25FEB27ICAL-03.d	Gemini C18 50mm 3(mm)
IC 410-610933/4		02/27/2025 15:53	1	25FEB27ICAL-04.d	Gemini C18 50mm 3(mm)
ICISAV 410-610933/5		02/27/2025 16:07	1	25FEB27ICAL-05.d	Gemini C18 50mm 3(mm)
IC 410-610933/6		02/27/2025 16:21	1	25FEB27ICAL-06.d	Gemini C18 50mm 3(mm)
IC 410-610933/7		02/27/2025 16:35	1	25FEB27ICAL-07.d	Gemini C18 50mm 3(mm)
IC 410-610933/8		02/27/2025 16:49	1	25FEB27ICAL-08.d	Gemini C18 50mm 3(mm)
ICB 410-610933/9		02/27/2025 17:03	1	25FEB27ICAL-09.d	Gemini C18 50mm 3(mm)
ICV 410-610933/10		02/27/2025 17:17	1	25FEB27ICAL-10.d	Gemini C18 50mm 3(mm)
WDM 410-610933/11		02/27/2025 17:33	1	25FEB27ICAL-11.d	Gemini C18 50mm 3(mm)

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Instrument ID: 29347 Start Date: 03/05/2025 10:53

Analysis Batch Number: 613042 End Date: 03/06/2025 12:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVO 410-613042/1		03/05/2025 10:53	1	25MAR05-01.d	Gemini C18 50mm 3(mm)
CCV 410-613042/2		03/05/2025 11:35	1		Gemini C18 50mm 3(mm)
CCB 410-613042/3		03/05/2025 11:49	1		Gemini C18 50mm 3(mm)
WDM 410-613042/4		03/05/2025 12:03	1	25MAR05-04.d	Gemini C18 50mm 3(mm)
ZZZZZ (QC)		03/05/2025 12:59	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		03/05/2025 13:15	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		03/05/2025 13:29	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		03/05/2025 13:43	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/05/2025 13:57	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/05/2025 14:11	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/05/2025 14:25	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/05/2025 14:39	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/05/2025 14:53	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/05/2025 15:07	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/05/2025 15:21	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/05/2025 15:35	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/05/2025 15:50	1		Gemini C18 50mm 3(mm)
CCV 410-613042/87		03/05/2025 16:04	1		Gemini C18 50mm 3(mm)
CCB 410-613042/88		03/05/2025 16:18	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/05/2025 17:14	1		Gemini C18 50mm 3(mm)
CCV 410-613042/103		03/05/2025 17:44	1		Gemini C18 50mm 3(mm)
CCB 410-613042/104		03/05/2025 17:58	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/05/2025 18:12	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/05/2025 18:27	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/05/2025 18:41	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/05/2025 18:55	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/05/2025 19:10	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/05/2025 19:24	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/05/2025 19:38	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/05/2025 19:52	1		Gemini C18 50mm 3(mm)
CCV 410-613042/99		03/05/2025 20:06	1		Gemini C18 50mm 3(mm)
CCB 410-613042/100		03/05/2025 20:20	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/05/2025 20:34	100		Gemini C18 50mm 3(mm)
CCV 410-613042/106		03/05/2025 20:49	1		Gemini C18 50mm 3(mm)
CCB 410-613042/107		03/05/2025 21:03	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/05/2025 21:18	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/05/2025 21:33	1		Gemini C18 50mm 3(mm)
CCV 410-613042/115		03/05/2025 23:28	1		Gemini C18 50mm 3(mm)
CCB 410-613042/116		03/05/2025 23:42	1		Gemini C18 50mm 3(mm)
CCV 410-613042/163		03/06/2025 03:13	1		Gemini C18 50mm 3(mm)
CCB 410-613042/164		03/06/2025 03:27	1		Gemini C18 50mm 3(mm)
CCV 410-613042/165		03/06/2025 05:48	1	25MAR05W-76.d	Gemini C18 50mm 3(mm)
CCB 410-613042/166		03/06/2025 06:02	1	25MAR05W-77.d	Gemini C18 50mm 3(mm)
MB 410-613015/1-A		03/06/2025 06:16	1	25MAR05W-78.d	Gemini C18 50mm 3(mm)

1633

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Instrument ID: 29347 Start Date: 03/05/2025 10:53

Analysis Batch Number: 613042 End Date: 03/06/2025 12:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
LCS 410-613015/2-A		03/06/2025 06:30	1	25MAR05W-79.d	Gemini C18 50mm 3(mm)
LLCS 410-613015/3-A		03/06/2025 06:45	1	25MAR05W-80.d	Gemini C18 50mm 3(mm)
410-209941-1	MW-01-021325	03/06/2025 06:59	1	25MAR05W-81.d	Gemini C18 50mm 3(mm)
410-209941-2	MW-04-021325	03/06/2025 07:13	1	25MAR05W-82.d	Gemini C18 50mm 3(mm)
410-209941-3	MW-20D-021325	03/06/2025 07:27	1	25MAR05W-83.d	Gemini C18 50mm 3(mm)
410-209941-4	MW-20D-FD-021325	03/06/2025 07:41	1	25MAR05W-84.d	Gemini C18 50mm 3(mm)
410-209941-5	MW-22-021925	03/06/2025 07:55	1	25MAR05W-85.d	Gemini C18 50mm 3(mm)
410-209941-6	MW-23-021425	03/06/2025 08:09	1	25MAR05W-86.d	Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/06/2025 08:23	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/06/2025 08:37	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/06/2025 08:51	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/06/2025 09:06	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		03/06/2025 09:20	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		03/06/2025 09:34	1		Gemini C18 50mm 3(mm)
CCV 410-613042/167		03/06/2025 09:48	1	25MAR05W-93.d	Gemini C18 50mm 3(mm)
CCB 410-613042/168		03/06/2025 10:02	1	25MAR05W-94.d	Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/06/2025 10:16	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/06/2025 10:30	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/06/2025 10:44	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/06/2025 10:58	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/06/2025 11:12	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/06/2025 11:26	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/06/2025 11:41	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/06/2025 11:55	1		Gemini C18 50mm 3(mm)
CCV 410-613042/169		03/06/2025 12:09	1		Gemini C18 50mm 3(mm)
CCB 410-613042/170		03/06/2025 12:23	1		Gemini C18 50mm 3(mm)

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-209941-1

SDG No.:

Instrument ID: 30570

Start Date: 03/06/2025 19:13

Analysis Batch Number: 613974

End Date: 03/06/2025 21:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 410-613974/1		03/06/2025 19:13	1	25MAR06CAL-01.d	Gemini C18 50mm 3(mm)
IC 410-613974/2		03/06/2025 19:27	1	25MAR06CAL-02.d	Gemini C18 50mm 3(mm)
IC 410-613974/3		03/06/2025 19:40	1	25MAR06CAL-03.d	Gemini C18 50mm 3(mm)
IC 410-613974/4		03/06/2025 19:54	1	25MAR06CAL-04.d	Gemini C18 50mm 3(mm)
ICISAV 410-613974/5		03/06/2025 20:07	1	25MAR06CAL-05.d	Gemini C18 50mm 3(mm)
IC 410-613974/6		03/06/2025 20:21	1	25MAR06CAL-06.d	Gemini C18 50mm 3(mm)
IC 410-613974/7		03/06/2025 20:35	1	25MAR06CAL-07.d	Gemini C18 50mm 3(mm)
IC 410-613974/8		03/06/2025 20:48	1	25MAR06CAL-08.d	Gemini C18 50mm 3(mm)
ICB 410-613974/9		03/06/2025 21:02	1	25MAR06CAL-09.d	Gemini C18 50mm 3(mm)
ICV 410-613974/10		03/06/2025 21:15	1	25MAR06CAL-10.d	Gemini C18 50mm 3(mm)
WDM 410-613974/11		03/06/2025 21:29	1	25MAR06CAL-11.d	Gemini C18 50mm 3(mm)

1633

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Instrument ID: 30570 Start Date: 03/10/2025 17:15

Analysis Batch Number: 615077 End Date: 03/11/2025 05:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVO 410-615077/1		03/10/2025 17:15	1	25MAR10-01.d	Gemini C18 50mm 3(mm)
CCV 410-615077/2		03/10/2025 17:28	1		Gemini C18 50mm 3(mm)
CCB 410-615077/3		03/10/2025 17:42	1		Gemini C18 50mm 3(mm)
WDM 410-615077/4		03/10/2025 17:56	1	25MAR10-04.d	Gemini C18 50mm 3(mm)
ZZZZZ (QC)		03/10/2025 18:23	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		03/10/2025 18:36	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		03/10/2025 18:50	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		03/10/2025 19:03	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/10/2025 19:17	100		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/10/2025 19:31	10		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/10/2025 20:11	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/10/2025 20:25	10		Gemini C18 50mm 3(mm)
CCV 410-615077/104		03/10/2025 21:19	1		Gemini C18 50mm 3(mm)
CCB 410-615077/105		03/10/2025 21:33	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/10/2025 21:46	10		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		03/10/2025 22:00	1		Gemini C18 50mm 3(mm)
CCV 410-615077/12		03/10/2025 22:54	1	25MAR10N-15.d	Gemini C18 50mm 3(mm)
CCB 410-615077/13		03/10/2025 23:07	1	25MAR10N-16.d	Gemini C18 50mm 3(mm)
410-209941-9	MW-13-021925	03/11/2025 00:02	1	25MAR10N-20.d	Gemini C18 50mm 3(mm)
410-209941-13	EB-03-021825	03/11/2025 00:15	1	25MAR10N-21.d	Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/11/2025 00:29	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/11/2025 00:43	10		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/11/2025 00:56	10		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/11/2025 01:10	10		Gemini C18 50mm 3(mm)
CCV 410-615077/33		03/11/2025 01:23	1	25MAR10N-26.d	Gemini C18 50mm 3(mm)
CCB 410-615077/34		03/11/2025 01:37	1	25MAR10N-27.d	Gemini C18 50mm 3(mm)
CCV 410-615077/92		03/11/2025 04:47	1		Gemini C18 50mm 3(mm)
CCB 410-615077/93		03/11/2025 05:00	1		Gemini C18 50mm 3(mm)

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PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-209941-1

SDG No.:

Instrument ID: 30729

Start Date: 03/03/2025 18:24

Analysis Batch Number: 612155

End Date: 03/03/2025 20:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 410-612155/1		03/03/2025 18:24	1	25MAR03-01.d	Gemini C18 50mm 3(mm)
IC 410-612155/2		03/03/2025 18:38	1	25MAR03-02.d	Gemini C18 50mm 3(mm)
IC 410-612155/3		03/03/2025 18:52	1	25MAR03-03.d	Gemini C18 50mm 3(mm)
IC 410-612155/4		03/03/2025 19:07	1	25MAR03-04.d	Gemini C18 50mm 3(mm)
ICISAV 410-612155/5		03/03/2025 19:21	1	25MAR03-05.d	Gemini C18 50mm 3(mm)
IC 410-612155/6		03/03/2025 19:35	1	25MAR03-06.d	Gemini C18 50mm 3(mm)
IC 410-612155/7		03/03/2025 19:49	1	25MAR03-07.d	Gemini C18 50mm 3(mm)
IC 410-612155/8		03/03/2025 20:03	1	25MAR03-08.d	Gemini C18 50mm 3(mm)
ICB 410-612155/9		03/03/2025 20:17	1	25MAR03-09.d	Gemini C18 50mm 3(mm)
ICV 410-612155/10		03/03/2025 20:31	1	25MAR03-10.d	Gemini C18 50mm 3(mm)
WDM 410-612155/11		03/03/2025 20:46	1	25MAR03-11.d	Gemini C18 50mm 3(mm)

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PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-209941-1

SDG No.:

Instrument ID: 30729

Start Date: 03/06/2025 17:31

Analysis Batch Number: 613851

End Date: 03/07/2025 10:41

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVO 410-613851/1		03/06/2025 17:31	1	25MAR6-01.d	Gemini C18 50mm 3(mm)
CCV 410-613851/2		03/06/2025 18:13	1		Gemini C18 50mm 3(mm)
CCB 410-613851/3		03/06/2025 18:27	1		Gemini C18 50mm 3(mm)
WDM 410-613851/4		03/06/2025 18:41	1	25MAR06-04.d	Gemini C18 50mm 3(mm)
ZZZZZ (QC)		03/06/2025 18:56	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		03/06/2025 19:10	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		03/06/2025 19:24	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		03/06/2025 19:38	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/06/2025 19:52	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/06/2025 20:07	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/06/2025 20:21	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/06/2025 20:35	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/06/2025 20:49	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/06/2025 21:03	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/06/2025 21:17	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/06/2025 21:31	1		Gemini C18 50mm 3(mm)
CCV 410-613851/17		03/06/2025 21:45	1		Gemini C18 50mm 3(mm)
CCB 410-613851/18		03/06/2025 21:59	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		03/06/2025 22:14	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		03/06/2025 22:28	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		03/06/2025 22:42	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		03/06/2025 22:56	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/06/2025 23:10	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/06/2025 23:24	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/06/2025 23:38	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/06/2025 23:52	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/07/2025 00:06	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/07/2025 00:20	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/07/2025 00:34	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/07/2025 00:49	10		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/07/2025 01:03	1		Gemini C18 50mm 3(mm)
CCV 410-613851/46		03/07/2025 01:17	1	25MAR06-33.d	Gemini C18 50mm 3(mm)
CCB 410-613851/47		03/07/2025 01:31	1	25MAR06-34.d	Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/07/2025 01:45	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/07/2025 01:59	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		03/07/2025 02:13	1		Gemini C18 50mm 3(mm)
MB 410-613587/1-A		03/07/2025 02:27	1	25MAR06-38.d	Gemini C18 50mm 3(mm)
LCS 410-613587/2-A		03/07/2025 02:41	1	25MAR06-39.d	Gemini C18 50mm 3(mm)
LCSD 410-613587/3-A		03/07/2025 02:56	1	25MAR06-40.d	Gemini C18 50mm 3(mm)
LLCS 410-613587/4-A		03/07/2025 03:10	1	25MAR06-41.d	Gemini C18 50mm 3(mm)
410-209941-7	MW-26-021825	03/07/2025 03:24	1	25MAR06-42.d	Gemini C18 50mm 3(mm)
410-209941-8	MW-11R-021325	03/07/2025 03:38	1	25MAR06-43.d	Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/07/2025 03:52	1		Gemini C18 50mm 3(mm)
410-209941-10	MW-30S-021325	03/07/2025 04:06	1	25MAR06-45.d	Gemini C18 50mm 3(mm)

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PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-209941-1

SDG No.:

Instrument ID: 30729 Start Date: 03/06/2025 17:31

Analysis Batch Number: 613851 End Date: 03/07/2025 10:41

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
410-209941-11	EB-04-021925	03/07/2025 04:20	1	25MAR06-46.d	Gemini C18 50mm 3(mm)
410-209941-12	FB-01-021925	03/07/2025 04:34	1	25MAR06-47.d	Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/07/2025 04:48	1		Gemini C18 50mm 3(mm)
CCV 410-613851/48		03/07/2025 05:02	1	25MAR06-49.d	Gemini C18 50mm 3(mm)
CCB 410-613851/49		03/07/2025 05:17	1	25MAR06-50.d	Gemini C18 50mm 3(mm)
ZZZZZ (QC)		03/07/2025 05:31	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		03/07/2025 05:45	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		03/07/2025 05:59	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		03/07/2025 06:13	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/07/2025 06:27	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/07/2025 06:41	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/07/2025 06:55	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/07/2025 07:09	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/07/2025 07:23	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/07/2025 07:38	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/07/2025 07:52	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/07/2025 08:06	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/07/2025 08:20	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/07/2025 08:34	1		Gemini C18 50mm 3(mm)
CCV 410-613851/69		03/07/2025 08:48	1		Gemini C18 50mm 3(mm)
CCB 410-613851/70		03/07/2025 09:02	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/07/2025 09:16	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/07/2025 09:30	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/07/2025 09:44	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/07/2025 09:59	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		03/07/2025 10:13	1		Gemini C18 50mm 3(mm)
CCV 410-613851/71		03/07/2025 10:27	1		Gemini C18 50mm 3(mm)
CCB 410-613851/72		03/07/2025 10:41	1		Gemini C18 50mm 3(mm)

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-209941-1

SDG No.:

Batch Number: 610933 | Batch Start Date: 02/27/25 15:11 | Batch Analyst: Drury, Sydney

Batch Method: 1633 | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	1633_125_CAL1 00036	1633_125_CAL2 00019	1633_125_CAL3 00019	1633_125_CAL4 00033	1633_125_CAL5 00019	1633_125_CAL6 00018
IC 410-610933/1		1633			1 mL					
IC 410-610933/2		1633				1 mL				
IC 410-610933/3		1633					1 mL			
IC 410-610933/4		1633						1 mL		
ICISAV 410-610933/5		1633							1 mL	
IC 410-610933/6		1633								1 mL
IC 410-610933/7		1633								
IC 410-610933/8		1633								
ICB 410-610933/9		1633								
ICV 410-610933/10		1633								
WDM 410-610933/11		1633								

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	1633_125_CAL7 00018	1633_125_CAL8 00017	1633_125_ICV 00015	1633_125_IS_V 00012	1633_125_SS 00071	1633_125_WDM 00009
IC 410-610933/1		1633								
IC 410-610933/2		1633								
IC 410-610933/3		1633								
IC 410-610933/4		1633								
ICISAV 410-610933/5		1633								
IC 410-610933/6		1633								
IC 410-610933/7		1633			1 mL					
IC 410-610933/8		1633				1 mL				
ICB 410-610933/9		1633						50 uL	5 uL	
ICV 410-610933/10		1633					1 mL			
WDM 410-610933/11		1633								1 mL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-209941-1

SDG No.:

Batch Number: 610933 | Batch Start Date: 02/27/25 15:11 | Batch Analyst: Drury, Sydney

Batch Method: 1633 | Batch End Date:

Batch Notes	
Mobil Phase ID	10819602272533A/24H1661057

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-209941-1

SDG No.:

Batch Number: 612155 Batch Start Date: 03/03/25 18:24 Batch Analyst: Drury, Sydney

Batch Method: 1633 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	1633_125_CAL1 00036	1633_125_CAL2 00019	1633_125_CAL3 00019	1633_125_CAL4 00033	1633_125_CAL5 00019	1633_125_CAL6 00018
IC 410-612155/1		1633			1 mL					
IC 410-612155/2		1633				1 mL				
IC 410-612155/3		1633					1 mL			
IC 410-612155/4		1633						1 mL		
ICISAV 410-612155/5		1633							1 mL	
IC 410-612155/6		1633								1 mL
IC 410-612155/7		1633								
IC 410-612155/8		1633								
ICB 410-612155/9		1633								
ICV 410-612155/10		1633								
WDM 410-612155/11		1633								

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	1633_125_CAL7 00018	1633_125_CAL8 00017	1633_125_ICV 00015	1633_125_IS_V 00229	1633_125_SS 00074	1633_125_WDM 00009
IC 410-612155/1		1633								
IC 410-612155/2		1633								
IC 410-612155/3		1633								
IC 410-612155/4		1633								
ICISAV 410-612155/5		1633								
IC 410-612155/6		1633								
IC 410-612155/7		1633			1 mL					
IC 410-612155/8		1633				1 mL				
ICB 410-612155/9		1633						50 uL	5 uL	
ICV 410-612155/10		1633					1 mL			
WDM 410-612155/11		1633								1 mL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-209941-1

SDG No.:

Batch Number: 612155 | Batch Start Date: 03/03/25 18:24 | Batch Analyst: Drury, Sydney

Batch Method: 1633 | Batch End Date:

Batch Notes	
Mobil Phase ID	10622303032533A/24H1661057

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-209941-1

SDG No.:

Batch Number: 613015 | Batch Start Date: 03/05/25 07:58 | Batch Analyst: Catchings, Donovan

Batch Method: 1633 | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	AdjustedpH
MB 410-613015/1		1633, 1633			150 g	25 g	125 mL	5 mL	7.0 SU	6.0 SU
LCS 410-613015/2		1633, 1633			150 g	25 g	125 mL	5 mL	7.0 SU	6.0 SU
LLCS 410-613015/3		1633, 1633			150 g	25 g	125 mL	5 mL	7.0 SU	6.0 SU
410-209941-A-1	MW-01-021325	1633, 1633	Water	T	160.27 g	24.40 g	135.9 mL	5 mL	6.5 SU	
410-209941-A-2	MW-04-021325	1633, 1633	Water	T	160.11 g	24.58 g	135.5 mL	5 mL	6.5 SU	
410-209941-A-3	MW-20D-021325	1633, 1633	Water	T	155.72 g	24.50 g	131.2 mL	5 mL	7.0 SU	6.0 SU
410-209941-A-4	MW-20D-FD-021325	1633, 1633	Water	T	147.54 g	24.14 g	123.4 mL	5 mL	7.0 SU	6.0 SU
410-209941-A-5	MW-22-021925	1633, 1633	Water	T	154.33 g	23.91 g	130.4 mL	5 mL	7.0 SU	6.0 SU
410-209941-A-6	MW-23-021425	1633, 1633	Water	T	157.26 g	24.69 g	132.6 mL	5 mL	6.5 SU	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	5%FormicAmt	CalcMsg	1633_125_MS_L 00059	1633_125_MS_M 00062	1633_125_SS 00083	
MB 410-613015/1		1633, 1633			1 drops	OK			25 uL	
LCS 410-613015/2		1633, 1633			1 drops	OK		50 uL	25 uL	
LLCS 410-613015/3		1633, 1633			1 drops	OK	40 uL		25 uL	
410-209941-A-1	MW-01-021325	1633, 1633	Water	T		OK			25 uL	
410-209941-A-2	MW-04-021325	1633, 1633	Water	T		OK			25 uL	
410-209941-A-3	MW-20D-021325	1633, 1633	Water	T	1 drops	OK			25 uL	
410-209941-A-4	MW-20D-FD-021325	1633, 1633	Water	T	1 drops	OK			25 uL	
410-209941-A-5	MW-22-021925	1633, 1633	Water	T	1 drops	OK			25 uL	
410-209941-A-6	MW-23-021425	1633, 1633	Water	T		OK			25 uL	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-209941-1

SDG No.:

Batch Number: 613015 | Batch Start Date: 03/05/25 07:58 | Batch Analyst: Catchings, Donovan

Batch Method: 1633 | Batch End Date:

Batch Notes	
95:5 Methanol Milli-Q Water ID	3090603042533B
Extraction Filter ID #	2411260501
pH Indicator ID	20BDH29241
Manifold ID	17, 4
SPE Cartridge Type	wax
SPE Cartridge Lot ID	S24-000144
Balance ID	B629764122
Pipette/Syringe/Dispenser ID	PFAS 16, 17 p10-5
Pipette Tip Lot ID	M213533O
Transfer Pipette Lot #	24440524
Methanol ID	242629
H2O ID	HouseA372
Solvent Name	1% NH4OH:MeOH
Solvent Lot #	10194202282533B
Rinse Solvent Name	30:70MeOH:MQ
Rinse Solvent Lot	10194203032533A
5% Formic Acid Reagent ID	10774103032533B
SPE Cartridge Conditioner #1 ID	2009402272533B
SPE Cartridge Conditioner #2 ID	10194202282533C
Analyst ID - Reagent Drop	DC 20115
Analyst ID - Reagent Drop Witness	PC 44221
Analyst ID - IS Reagent Drop	MCD 101615
Centrifuge Tube ID	20241017-058
QC Bottle Lot ID	0417801J
Carbon ID	G02464
Pipette ID	p1000-4
Vial Lot Number	8000052263
Caps	00355513
Tube Check	PC 44221

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-209941-1

SDG No.:

Batch Number: 613015 | Batch Start Date: 03/05/25 07:58 | Batch Analyst: Catchings, Donovan

Batch Method: 1633 | Batch End Date:

P1000 Tip ID	241106-307-F
Batch Comment	Samples stored in coolers

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-209941-1

SDG No.:

Batch Number: 613587 | Batch Start Date: 03/06/25 08:30 | Batch Analyst: Smith, Carolyn

Batch Method: 1633 | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	AdjustedpH
MB 410-613587/1		1633, 1633			150 g	25 g	125 mL	5 mL	7.0 SU	6.0 SU
LCS 410-613587/2		1633, 1633			150 g	25 g	125 mL	5 mL	7.0 SU	6.0 SU
LCSD 410-613587/3		1633, 1633			150 g	25 g	125 mL	5 mL	7.0 SU	6.0 SU
LLCS 410-613587/4		1633, 1633			150 g	25 g	125 mL	5 mL	7.0 SU	6.0 SU
410-209941-A-7	MW-26-021825	1633, 1633	Water	T	165.70 g	24.26 g	141.4 mL	5 mL	7.0 SU	6.5 SU
410-209941-A-8	MW-11R-021325	1633, 1633	Water	T	165.02 g	24.48 g	140.5 mL	5 mL	7.0 SU	6.5 SU
410-209941-A-9	MW-13-021925	1633, 1633	Water	T	165.03 g	24.63 g	140.4 mL	5 mL	6.5 SU	
410-209941-A-10	MW-30S-021325	1633, 1633	Water	T	163.79 g	24.14 g	139.7 mL	5 mL	7.0 SU	6.0 SU
410-209941-A-11	EB-04-021925	1633, 1633	Water	T	141.47 g	14.35 g	127.1 mL	5 mL	7.5 SU	6.0 SU
410-209941-A-12	FB-01-021925	1633, 1633	Water	T	151.42 g	14.50 g	136.9 mL	5 mL	7.5 SU	6.5 SU
410-209941-A-13	EB-03-021825	1633, 1633	Water	T	153.88 g	14.48 g	139.4 mL	5 mL	7.5 SU	6.0 SU

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	3%NH4OHAmt	5%FormicAmt	CalcMsg	1633_125_MS_L 00059	1633_125_MS_M 00065	1633_125_SS 00084
MB 410-613587/1		1633, 1633				1 drops	OK			25 uL
LCS 410-613587/2		1633, 1633				1 drops	OK		50 uL	25 uL
LCSD 410-613587/3		1633, 1633				1 drops	OK		50 uL	25 uL
LLCS 410-613587/4		1633, 1633				1 drops	OK	40 uL		25 uL
410-209941-A-7	MW-26-021825	1633, 1633	Water	T		5 drops	OK			25 uL
410-209941-A-8	MW-11R-021325	1633, 1633	Water	T		5 drops	OK			25 uL
410-209941-A-9	MW-13-021925	1633, 1633	Water	T			OK			25 uL
410-209941-A-10	MW-30S-021325	1633, 1633	Water	T	4 drops	6 drops	OK			25 uL
410-209941-A-11	EB-04-021925	1633, 1633	Water	T		1 drops	OK			25 uL
410-209941-A-12	FB-01-021925	1633, 1633	Water	T		1 drops	OK			25 uL
410-209941-A-13	EB-03-021825	1633, 1633	Water	T		1 drops	OK			25 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	AnalysisComment					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-209941-1

SDG No.:

Batch Number: 613587 Batch Start Date: 03/06/25 08:30 Batch Analyst: Smith, Carolyn

Batch Method: 1633 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	AnalysisComment					
MB 410-613587/1		1633, 1633								
LCS 410-613587/2		1633, 1633								
LCSD 410-613587/3		1633, 1633								
LLCS 410-613587/4		1633, 1633								
410-209941-A-7	MW-26-021825	1633, 1633	Water	T	Vacuum was applied. Round 125mL bottle					
410-209941-A-8	MW-11R-021325	1633, 1633	Water	T	Vacuum was applied. Round 125mL bottle					
410-209941-A-9	MW-13-021925	1633, 1633	Water	T	Discolored, particulate. Round 125mL bottle					
410-209941-A-10	MW-30S-021325	1633, 1633	Water	T	Particulate. Round 125mL bottle					
410-209941-A-11	EB-04-021925	1633, 1633	Water	T	Round 1L bottle					
410-209941-A-12	FB-01-021925	1633, 1633	Water	T	Round 1L bottle					
410-209941-A-13	EB-03-021825	1633, 1633	Water	T	Round 1L bottle					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-209941-1

SDG No.:

Batch Number: 613587 | Batch Start Date: 03/06/25 08:30 | Batch Analyst: Smith, Carolyn

Batch Method: 1633 | Batch End Date:

Batch Notes	
95:5 Methanol Milli-Q Water ID	10303802242533B
pH Indicator ID	20BDH29241
Manifold ID	16
SPE Cartridge Type	WAX 200mg
SPE Cartridge Lot ID	S24-007089
Balance ID	C447116246
Pipette/Syringe/Dispenser ID	P10-5/ PFAS 16,17
Pipette Tip Lot ID	N214886H
Transfer Pipette Lot #	24440524
Methanol ID	242629
H2O ID	HOUSE A372
Solvent Name	1% NH4OH:MeOH
Solvent Lot #	10303802112533A
Rinse Solvent Name	30:70 MeOH:MQ
Rinse Solvent Lot	10774103032533A
5% Formic Acid Reagent ID	10774103032533B
3% NH4OH Reagent ID	9756502102533G
SPE Cartridge Conditioner #1 ID	10774102172533A
SPE Cartridge Conditioner #2 ID	10723812302433A
Analyst ID - Reagent Drop	CMS 107741
Analyst ID - Reagent Drop Witness	CTS 81064
Analyst ID - IS Reagent Drop	MCD 101615
Centrifuge Tube ID	20241017-058
QC Bottle Lot ID	0417801J
Carbon ID	G02464
Pipette ID	p1000-12
Vial Lot Number	8000052263
Caps	00355513
Tube Check	CTS 81064

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-209941-1

SDG No.:

Batch Number: 613587 | Batch Start Date: 03/06/25 08:30 | Batch Analyst: Smith, Carolyn

Batch Method: 1633 | Batch End Date:

P1000 Tip ID	241106-307-F
Batch Comment	Batch placed in A374 cooler 3/6/25 2:27 pm

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-209941-1

SDG No.:

Batch Number: 613974 | Batch Start Date: 03/06/25 19:13 | Batch Analyst: Miller, Nicole

Batch Method: 1633 | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	1633_125_CAL1 00037	1633_125_CAL2 00019	1633_125_CAL3 00019	1633_125_CAL4 00034	1633_125_CAL5 00019	1633_125_CAL6 00018
IC 410-613974/1		1633			1 mL					
IC 410-613974/2		1633				1 mL				
IC 410-613974/3		1633					1 mL			
IC 410-613974/4		1633						1 mL		
ICISAV 410-613974/5		1633							1 mL	
IC 410-613974/6		1633								1 mL
IC 410-613974/7		1633								
IC 410-613974/8		1633								
ICB 410-613974/9		1633								
ICV 410-613974/10		1633								
WDM 410-613974/11		1633								

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	1633_125_CAL7 00018	1633_125_CAL8 00017	1633_125_ICV 00015	1633_125_IS_V 00234	1633_125_SS 00076	1633_125_WDM 00009
IC 410-613974/1		1633								
IC 410-613974/2		1633								
IC 410-613974/3		1633								
IC 410-613974/4		1633								
ICISAV 410-613974/5		1633								
IC 410-613974/6		1633								
IC 410-613974/7		1633			1 mL					
IC 410-613974/8		1633				1 mL				
ICB 410-613974/9		1633						50 uL	5 uL	
ICV 410-613974/10		1633					1 mL			
WDM 410-613974/11		1633								1 mL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-209941-1

SDG No.:

Batch Number: 613974 | Batch Start Date: 03/06/25 19:13 | Batch Analyst: Miller, Nicole

Batch Method: 1633 | Batch End Date:

Batch Notes	
Mobil Phase ID	10922303062533A/24H1661057

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

410-209941 Chain of Custody

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
WWW.CHEMTECH.NET

CHAIN OF CUSTODY RECORD

Sub Lab INFORMATION	CLIENT PROJECT INFORMATION		CLIENT BILLING INFORMATION
COMPANY : EUROFINS Lancaster Laboratories	ORDER ID : Q1406		BILL TO: CHEMTECH PO# : q1406
ADDRESS : 2425 New Holland Pike	PROJECT ID:REAC Commodore		ADDRESS : 284, Sheffield Street
CITY:Lancaster State :PA ZIP :17601	PROJECT MANAGER YAZMEEN		CITY: Mountainside State : NJ ZIP : 07092
E-mail :	E-mail : YAZMEEN@CHEMTECH.NET		ATTENTION :YAZMEE
PHONE :717-693-5814	PHONE : (908) 789 8900	FAX: (908) 789 8922	PHONE : (908) 789 8900 FAX : (908) 789 8922

EDD : Equis Region2(M **Report :** Level 2 **Comment :**

ID	CLIENT SAMPLE IDENTIFICATION	SAMPLE MATRIX	ANALYSIS	Preservative	Method	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	TAT DAYS
01	MW-01-021325	Water	PFAS	Cool 4 deg C	1633	02/13/2025	09:25:00	1	10
02	MW-04-021325	Water	PFAS	Cool 4 deg C	1633	02/13/2025	10:55:00	1	10
03	MW-20D-021325	Water	PFAS	Cool 4 deg C	1633	02/13/2025	13:29:00	1	10
04	MW-20D-FD-021325	Water	PFAS	Cool 4 deg C	1633	02/13/2025	13:29:00	1	10
05	MW-22-021925	Water	PFAS	Cool 4 deg C	1633	02/19/2025	16:50:00	1	10
06	MW-23-021425	Water	PFAS	Cool 4 deg C	1633	02/14/2025	14:25:00	1	10
07	MW-26-021825	Water	PFAS	Cool 4 deg C	1633	02/18/2025	15:00:00	1	10
08	MW-11R-021325	Water	PFAS	Cool 4 deg C	1633	02/13/2025	14:43:00	1	10
09	MW-13-021925	Water	PFAS	Cool 4 deg C	1633	02/19/2025	10:32:00	1	10

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGES POSSESSION INCLUDING COURIER DELIVERY

RELINQUIESHED BY SAMPLER: 1.	DATETIME:	RECEIVED BY: 2/26/25 1030	Conditions of bottles or Coolers at receipt: ☐ Compliant ☐ Non Compliant	Cooler Temp / Ice or Cooler?
RELINQUIESHED BY: 2.	DATETIME: 02/27/25 1315	RECEIVED BY: 2.	2/28/25 0857	
RELINQUIESHED BY: 3.	DATETIME:	RECEIVED BY: 3.	☐ OVERNIGHT ☐ OVERNIGHT	Shipment Complete: ☐ YES ☐ NO

Page 1 of 2

R: 2.5 C: 2.4

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
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CHAIN OF CUSTODY RECORD

Sub Lab INFORMATION	CLIENT PROJECT INFORMATION		CLIENT BILLING INFORMATION
COMPANY : EUROFINS Lancaster Laboratories	ORDER ID : Q1406		BILL TO: CHEMTECH PO# : q1406
ADDRESS : 2425 New Holland Pike	PROJECT ID:REAC Commodore		ADDRESS : 284, Sheffield Street
CITY:Lancaster State :PA ZIP :17601	PROJECT MANAGER YAZMEEN		CITY: Mountainside State : NJ ZIP : 07092
E-mail :	E-mail : YAZMEEN@CHEMTECH.NET		ATTENTION :YAZMEE
PHONE :717-693-5814	PHONE : (908) 789 8900	FAX: (908) 789 8922	PHONE : (908) 789 8900 FAX : (908) 789 8922

EDD : Equis Region2(M **Report :** Level 2 **Comment :**

ID	CLIENT SAMPLE IDENTIFICATION	SAMPLE MATRIX	ANALYSIS	Preservative	Method	SAMPLE COLLECTION		# OF BOTTLES	TAT DAYS
						DATE	TIME		
10	MW-30S-021325	Water	PFAS	Cool 4 deg C	1633	02/13/2025	16:05:00	1	10
11	EB-04-021925	Water	PFAS	Cool 4 deg C	1633	02/19/2025	18:00:00	1	10
12	FB-01-021925	Water	PFAS	Cool 4 deg C	1633	02/19/2025	16:00:00	1	10
13	EB-03-021825	Water	PFAS	Cool 4 deg C	1633	02/18/2025	15:32:00	1	10

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGES POSSESSION INCLUDING COURIER DELIVERY

RELINQUIESHED BY SAMPLER: 1.	DATETIME:	RECEIVED BY: 1.	Conditions of bottles or Coolers at receipt: ☐ Compliant ☐ Non Compliant	Cooler Temp / Ice or Cooler?
RELINQUIESHED BY: 2.	DATETIME:	RECEIVED BY: 2.	7/28/25 0955	
RELINQUIESHED BY: 3.	DATETIME:	RECEIVED BY: 3.	☐ OVERNIGHT ☐ OVERNIGHT	Shipment Complete: ☐ YES ☐ NO

Page 2 of 2

R: 2.5 C: 2.4

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number: Q1405/06

COC Number: 20

CLIENT INFORMATION

COMPANY: TechLaw Consultants, Inc.
ADDRESS: 14840 Conference Center Drive
CITY: Chantily STATE: VA ZIP: 20151
ATTENTION: Jon Dziekan / Alex Kantner
PHONE: 571-538-2270 FAX:

PROJECT INFORMATION

PROJECT NAME: REAC Commodore
PROJECT #: 83150-F0066 LOCATION: Audubon, PA
PROJECT MANAGER: Jon Dziekan / Alex Kantner
E-MAIL: jonathan.dziekan@techlawconsultants.com
PHONE: 571-538-2270 FAX:

BILLING INFORMATION

BILL TO: **See Contract for Billing Information**
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX:_____ DAYS*
HARD COPY:_____DAYS*
EDD_____DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESEULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD Format_____
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other_____

ANALYSIS

	1	2	3	4	5	6	7	8	9
	8260D	1633							

PRESERVATIVES	A	E							
	1	2	3	4	5	6	7	8	9

COMMENTS

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles
1.	MW-01-021325	GW		/	2/13/25	0925	3
2.	MW-04-021325	GW		/	2/13/25	1055	3
3.	MW-20D-021325	GW		/	2/13/25	1329	3
4.	MW-20D-FD-021325	GW		/	2/13/25	1329	3
5.	MW-22-021925	GW		/	2/19/25	1650	3
6.	MW-23-021425	GW		/	2/14/25	1425	3
7.	MW-26-021325	GW		/	2/13/25	1500	3
8.	MOS-11R-021325	GW		/	2/13/25	1443	3
9.	MOS-13-021925	GW		/	2/19/25	1032	3
10.	MW-305-021825	GW		/	2/18/25	1605	3

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1.	2/20/25 0900	1. 1130 2-21-25
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.		3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.1 C
MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?:_____
Comments:

Page 1 of 2

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☑ Overnight
ALLIANCE: ☐ Picked Up ☐ Overnight

Shipment Complete ☑ YES ☐ NO

WHITE - ALLIANCE COPYFOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance TECHNICAL GROUP

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CHAIN OF CUSTODY RECORD

Alliance Project Number: Q1905 / 06

COC Number: 02

CLIENT INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
COMPANY: TechLaw Consultants, Inc.	PROJECT NAME: REAC Commodore	BILL TO: **See Contract for Billing Information**
ADDRESS: 14840 Conference Center Drive	PROJECT #: 83150-F0066 LOCATION: Audubon, PA	ADDRESS:
CITY: Chantily STATE: VA ZIP: 20151	PROJECT MANAGER: Jon Dziekan / Alex Kantner	CITY: STATE: ZIP:
ATTENTION: Jon Dziekan / Alex Kantner	E-MAIL: jonathan.dziekan@techlawconsultants.com	ATTENTION: PHONE:
PHONE: 571-538-2270 FAX:	PHONE: 571-538-2270 FAX:	

DATA TURNAROUND INFORMATION

FAX:_____ DAYS*
HARD COPY:_____DAYS*
EDD_____DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESELUTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other_____
- ☐ EDD Format_____

ANALYSIS

	8260D	1633							
	1	2	3	4	5	6	7	8	9
PRESERVATIVES	A	E							
	1	2	3	4	5	6	7	8	9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	COMMENTS
1.	EB-04-021925	Blank		/	2/19/25	1300	1	Equip Blank
2.	FB-01-021925	Blank		/	2/19/25	1600	1	Field Blank
3.	EB-03-021825	Blank		/	2/18/25	1530	1	Equip Blank
4.	TB-02-021325	Blank		/	2/13/25	0800	2	Trip Blank
5.								
6.								
7.								
8.								
9.								
10.								

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1.	2/10/25 0900	1. 1130 2-21-25
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.		3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.1 C
MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?:_____
Comments:

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SHIPPED VIA: CLIENT: ☐ Hand Delivered ☑ Overnight
ALLIANCE: ☐ Picked Up ☐ Overnight

Shipment Complete ☑ YES ☐ NO

WHITE - ALLIANCE COPYFOR RETURN TO CLIENT **YELLOW** - ALLIANCE COPY **PINK** - SAMPLER COPY

Login Sample Receipt Checklist

Client: Chemtech Consulting Group Inc.

Job Number: 410-209941-1

Login Number: 209941

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Arroyo, Haley

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Refer to Job Narrative for details.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	