

DATA PACKAGE

SUB - DATA

PROJECT NAME : MCUA PERMIT NO 14241 - 571 JERSEY AVE NB NJ

EUROPASTRY

571 Jersey Ave

New Brunswick, NJ - 08901

Phone No: 631-563-6262 x2602

ORDER ID : Q3706

ATTENTION : Kevin Carlucci



Cover Page

Order ID : Q3706

Project ID : MCUA Permit No 14241 - 571 Jersey Ave NB NJ

Client : Europastry

Lab Sample Number

Q3706-01

Client Sample Number

MH-11212025

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 :

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 12:26 pm, Dec 10, 2025

Date: 12/10/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

 ANALYTICAL REPORT**PREPARED FOR**

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

Generated 12/10/2025

JOB DESCRIPTION

MCUA Permit No 14241 - 571 Jersey Ave NB NJ

JOB NUMBER

410-254628-1

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



Generated
12/10/2025

Authorized for release by
Barbara Weyandt, Project Manager
Barbara.Weyandt@et.eurofinsus.com
Designee for
Barbara A Weyandt, Project Manager
Barbara.Weyandt@et.eurofinsus.com
717 556-7264

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.

This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Barb Weyandt

Table of Contents

Cover Page	1
Data Summaries	5
Report Narrative	5
Sample Summary	6
Detection Summary	7
Method Summary	8
Client Sample Results	9
Definitions	11
QC Sample Results	12
QC Association	22
Chronicle	23
Certification Summary	24
Manual Integration Summary	25
Organic Sample Data	33
LCMS	33
1633_Final	33
1633_Final QC Summary	34
1633_Final Sample Data	57
Standards Data	91
1633_Final ICAL Data	91
1633_Final CCAL Data	429
Raw QC Data	699
1633_Final Blank Data	699
1633_Final LCS/LCSD Data	733
1633_Final Run Logs	809
1633_Final Prep Data	816
Shipping and Receiving Documents	827
Client Chain of Custody	828
Sample Receipt Checklist	829

Job Narrative
410-254628-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The sample was received on 11/25/2025 9:00 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.0°C.

PFAS

Method 1633_Final: EPA Method 1633 requires that all consumables used in the collection, preparation, and analysis of samples and for reporting of Per- and Polyfluorinated Alkyl Substances (PFAS) must have a representative lot check analysis performed to demonstrate cleanliness to be free of PFAS. The containers used for samples(s) MH-11212025 (410-254628-1) did not originate from the laboratory, therefore the laboratory cannot guarantee the containers were PFAS-free prior to collection of the sample. The client was contacted prior to preparation and analysis.

Method 1633_Final: Samples(s) MH-11212025 (410-254628-1) were submitted in a nonstandard container and subsampling was required. The client was contacted before proceeding.

Method 1633_Final: Based on the rework comment, a reduced aliquot was used for the extraction of sample MH-11212025 (410-254628-1). Reporting limits have been raised accordingly.

Method 1633_Final: The sample injection standard peak areas in the following sample: MH-11212025 (410-254628-1) are outside of the QC limits for both the initial injection and the re-injection. The values here are from the initial injection of the sample.

Method 1633_Final: Analyte Perfluorohexanesulfonic acid was marked as non-detect for sample MH-11212025 (410-254628-1) due to a detection below RL and failing ion ratio.

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.
Project/Site: MCUA Permit No 14241 - 571 Jersey Ave NB NJ

Job ID: 410-254628-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
410-254628-1	MH-11212025	Water	11/21/25 09:48	11/25/25 09:00	New Jersey

Detection Summary

Client: Chemtech Consulting Group Inc.
Project/Site: MCUA Permit No 14241 - 571 Jersey Ave NB NJ

Job ID: 410-254628-1

Client Sample ID: MH-11212025

Lab Sample ID: 410-254628-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Perfluorobutanoic acid	11	cn	3.7	1.0	ng/L	1			1633	Total/NA
Perfluoropentanoic acid	3.9	cn	1.9	0.56	ng/L	1			1633	Total/NA
Perfluorohexanoic acid	3.8	cn	1.9	0.47	ng/L	1			1633	Total/NA
Perfluoroheptanoic acid	2.0	cn	1.9	0.75	ng/L	1			1633	Total/NA
Perfluorooctanoic acid	5.3	cn	1.9	0.84	ng/L	1			1633	Total/NA
Perfluorobutanesulfonic acid	1.8	J cn	1.9	0.47	ng/L	1			1633	Total/NA
HFPO-DA	1.8	J cn	1.9	1.3	ng/L	1			1633	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Method Summary

Client: Chemtech Consulting Group Inc.

Job ID: 410-254628-1

Project/Site: MCUA Permit No 14241 - 571 Jersey Ave NB NJ

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 Sample Results

Client: Chemtech Consulting Group Inc.
Project/Site: MCUA Permit No 14241 - 571 Jersey Ave NB NJ

Job ID: 410-254628-1

Client Sample ID: MH-11212025

Lab Sample ID: 410-254628-1

Date Collected: 11/21/25 09:48

Matrix: Water

Date Received: 11/25/25 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid	11	cn	3.7	1.0	ng/L		11/27/25 11:19	12/01/25 19:37	1
Perfluoropentanoic acid	3.9	cn	1.9	0.56	ng/L		11/27/25 11:19	12/01/25 19:37	1
Perfluorohexanoic acid	3.8	cn	1.9	0.47	ng/L		11/27/25 11:19	12/01/25 19:37	1
Perfluoroheptanoic acid	2.0	cn	1.9	0.75	ng/L		11/27/25 11:19	12/01/25 19:37	1
Perfluorooctanoic acid	5.3	cn	1.9	0.84	ng/L		11/27/25 11:19	12/01/25 19:37	1
Perfluorononanoic acid	ND	cn	1.9	0.47	ng/L		11/27/25 11:19	12/01/25 19:37	1
Perfluorodecanoic acid	ND	cn	1.9	0.47	ng/L		11/27/25 11:19	12/01/25 19:37	1
Perfluoroundecanoic acid	ND	cn	1.9	0.47	ng/L		11/27/25 11:19	12/01/25 19:37	1
Perfluorododecanoic acid	ND	cn	1.9	0.47	ng/L		11/27/25 11:19	12/01/25 19:37	1
Perfluorotridecanoic acid	ND	cn	1.9	0.47	ng/L		11/27/25 11:19	12/01/25 19:37	1
Perfluorotetradecanoic acid	ND	cn	1.9	0.47	ng/L		11/27/25 11:19	12/01/25 19:37	1
Perfluorobutanesulfonic acid	1.8	J cn	1.9	0.47	ng/L		11/27/25 11:19	12/01/25 19:37	1
Perfluoropentanesulfonic acid	ND	cn	1.9	0.47	ng/L		11/27/25 11:19	12/01/25 19:37	1
Perfluorohexanesulfonic acid	ND	cn	1.9	1.9	ng/L		11/27/25 11:19	12/01/25 19:37	1
Perfluoroheptanesulfonic acid	ND	cn	1.9	0.47	ng/L		11/27/25 11:19	12/01/25 19:37	1
Perfluorooctanesulfonic acid	ND	cn	1.9	1.2	ng/L		11/27/25 11:19	12/01/25 19:37	1
Perfluorononanesulfonic acid	ND	cn	1.9	0.47	ng/L		11/27/25 11:19	12/01/25 19:37	1
Perfluorodecanesulfonic acid	ND	cn	1.9	0.47	ng/L		11/27/25 11:19	12/01/25 19:37	1
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	1.9	0.56	ng/L		11/27/25 11:19	12/01/25 19:37	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND	cn	3.7	0.93	ng/L		11/27/25 11:19	12/01/25 19:37	1
NMeFOSA	ND	cn	1.9	0.47	ng/L		11/27/25 11:19	12/01/25 19:37	1
N-ethylperfluoro-1-octanesulfonamide	ND	cn	1.9	0.47	ng/L		11/27/25 11:19	12/01/25 19:37	1
NEtFOSAA	ND	cn	1.9	0.47	ng/L		11/27/25 11:19	12/01/25 19:37	1
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	ND	cn	9.3	2.3	ng/L		11/27/25 11:19	12/01/25 19:37	1
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	ND	cn	9.3	3.7	ng/L		11/27/25 11:19	12/01/25 19:37	1
HFPO-DA	1.8	J cn	1.9	1.3	ng/L		11/27/25 11:19	12/01/25 19:37	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	cn	1.9	0.47	ng/L		11/27/25 11:19	12/01/25 19:37	1
Perfluoro-3-methoxypropanoic acid	ND	cn	1.9	0.47	ng/L		11/27/25 11:19	12/01/25 19:37	1
Perfluoro(4-methoxybutanoic acid)	ND	cn	1.9	0.47	ng/L		11/27/25 11:19	12/01/25 19:37	1
Perfluoro-3,6-dioxaheptanoic acid	ND	cn	1.9	0.47	ng/L		11/27/25 11:19	12/01/25 19:37	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND	cn	1.9	0.47	ng/L		11/27/25 11:19	12/01/25 19:37	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND	cn	1.9	0.47	ng/L		11/27/25 11:19	12/01/25 19:37	1
PFEESA	ND	cn	1.9	0.47	ng/L		11/27/25 11:19	12/01/25 19:37	1
7:3 FTCA	ND	cn	9.3	2.3	ng/L		11/27/25 11:19	12/01/25 19:37	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	65.9	cn	5 - 130				11/27/25 11:19	12/01/25 19:37	1
13C5 PFPeA	52.6	cn	40 - 130				11/27/25 11:19	12/01/25 19:37	1
13C5 PFHxA	78.3	cn	40 - 130				11/27/25 11:19	12/01/25 19:37	1
13C4 PFHpA	75.5	cn	40 - 130				11/27/25 11:19	12/01/25 19:37	1
13C8 PFOA	74.8	cn	40 - 130				11/27/25 11:19	12/01/25 19:37	1
13C9 PFNA	66.4	cn	40 - 130				11/27/25 11:19	12/01/25 19:37	1
13C6 PFDA	46.8	*3 cn	40 - 130				11/27/25 11:19	12/01/25 19:37	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Chemtech Consulting Group Inc.
Project/Site: MCUA Permit No 14241 - 571 Jersey Ave NB NJ

Job ID: 410-254628-1

Client Sample ID: MH-11212025

Lab Sample ID: 410-254628-1

Date Collected: 11/21/25 09:48

Matrix: Water

Date Received: 11/25/25 09:00

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C7 PFUnA	30.4	*3 cn	30 - 130	11/27/25 11:19	12/01/25 19:37	1
13C2 PFTeDA	69.9	*3 cn	10 - 130	11/27/25 11:19	12/01/25 19:37	1
13C3 PFBS	70.9	cn	40 - 135	11/27/25 11:19	12/01/25 19:37	1
13C3 PFHxS	68.9	cn	40 - 130	11/27/25 11:19	12/01/25 19:37	1
13C8 PFOS	47.8	cn	40 - 130	11/27/25 11:19	12/01/25 19:37	1
d5-NEtFOSAA	42.3	cn	25 - 135	11/27/25 11:19	12/01/25 19:37	1
M2-8:2 FTS	154	cn	40 - 300	11/27/25 11:19	12/01/25 19:37	1
13C3 HFPO-DA	56.3	cn	40 - 130	11/27/25 11:19	12/01/25 19:37	1
d7-N-MeFOSE-M	15.5	cn	10 - 130	11/27/25 11:19	12/01/25 19:37	1
d9-N-EtFOSE-M	18.5	cn	10 - 130	11/27/25 11:19	12/01/25 19:37	1
d5-NEtPFOSA	28.8	cn	10 - 130	11/27/25 11:19	12/01/25 19:37	1
d3-NMePFOSA	24.5	cn	10 - 130	11/27/25 11:19	12/01/25 19:37	1
13C2 PFDaA	28.8	*3 cn	10 - 130	11/27/25 11:19	12/01/25 19:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		40	10	ng/L		12/02/25 09:22	12/05/25 00:27	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		40	10	ng/L		12/02/25 09:22	12/05/25 00:27	1
Perfluorooctanesulfonamide	ND		20	5.0	ng/L		12/02/25 09:22	12/05/25 00:27	1
NMeFOSAA	ND		20	5.0	ng/L		12/02/25 09:22	12/05/25 00:27	1
3:3 FTCA	ND		40	10	ng/L		12/02/25 09:22	12/05/25 00:27	1
5:3 FTCA	ND		100	28	ng/L		12/02/25 09:22	12/05/25 00:27	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C5 PFPeA	115		40 - 130				12/02/25 09:22	12/05/25 00:27	1
13C5 PFHxA	106		40 - 130				12/02/25 09:22	12/05/25 00:27	1
13C8 FOSA	112		40 - 130				12/02/25 09:22	12/05/25 00:27	1
d3-NMeFOSAA	99.6		40 - 170				12/02/25 09:22	12/05/25 00:27	1
M2-4:2 FTS	188		40 - 200				12/02/25 09:22	12/05/25 00:27	1
M2-6:2 FTS	143		40 - 200				12/02/25 09:22	12/05/25 00:27	1

Definitions/Glossary

Client: Chemtech Consulting Group Inc.
Project/Site: MCUA Permit No 14241 - 571 Jersey Ave NB NJ

Job ID: 410-254628-1

Qualifiers

LCMS

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*3	ISTD response or retention time outside acceptable limits.
cn	Refer to Case Narrative for further detail
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

QC Sample Results

Client: Chemtech Consulting Group Inc.
Project/Site: MCUA Permit No 14241 - 571 Jersey Ave NB NJ

Job ID: 410-254628-1

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

Lab Sample ID: MB 410-736383/7-A
Matrix: Water
Analysis Batch: 737075

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 736383

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid	ND		4.0	1.1	ng/L		11/27/25 11:19	12/01/25 18:43	1
Perfluoropentanoic acid	ND		2.0	0.60	ng/L		11/27/25 11:19	12/01/25 18:43	1
Perfluorohexanoic acid	ND		2.0	0.50	ng/L		11/27/25 11:19	12/01/25 18:43	1
Perfluoroheptanoic acid	ND		2.0	0.80	ng/L		11/27/25 11:19	12/01/25 18:43	1
Perfluorooctanoic acid	ND		2.0	0.90	ng/L		11/27/25 11:19	12/01/25 18:43	1
Perfluorononanoic acid	ND		2.0	0.50	ng/L		11/27/25 11:19	12/01/25 18:43	1
Perfluorodecanoic acid	ND		2.0	0.50	ng/L		11/27/25 11:19	12/01/25 18:43	1
Perfluoroundecanoic acid	ND		2.0	0.50	ng/L		11/27/25 11:19	12/01/25 18:43	1
Perfluorododecanoic acid	ND		2.0	0.50	ng/L		11/27/25 11:19	12/01/25 18:43	1
Perfluorotridecanoic acid	ND		2.0	0.50	ng/L		11/27/25 11:19	12/01/25 18:43	1
Perfluorotetradecanoic acid	ND		2.0	0.50	ng/L		11/27/25 11:19	12/01/25 18:43	1
Perfluorobutanesulfonic acid	ND		2.0	0.50	ng/L		11/27/25 11:19	12/01/25 18:43	1
Perfluoropentanesulfonic acid	ND		2.0	0.50	ng/L		11/27/25 11:19	12/01/25 18:43	1
Perfluorohexanesulfonic acid	ND		2.0	0.80	ng/L		11/27/25 11:19	12/01/25 18:43	1
Perfluoroheptanesulfonic acid	ND		2.0	0.50	ng/L		11/27/25 11:19	12/01/25 18:43	1
Perfluorooctanesulfonic acid	ND		2.0	1.3	ng/L		11/27/25 11:19	12/01/25 18:43	1
Perfluorononanesulfonic acid	ND		2.0	0.50	ng/L		11/27/25 11:19	12/01/25 18:43	1
Perfluorodecanesulfonic acid	ND		2.0	0.50	ng/L		11/27/25 11:19	12/01/25 18:43	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.60	ng/L		11/27/25 11:19	12/01/25 18:43	1
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		4.0	1.0	ng/L		11/27/25 11:19	12/01/25 18:43	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.0	1.0	ng/L		11/27/25 11:19	12/01/25 18:43	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		4.0	1.0	ng/L		11/27/25 11:19	12/01/25 18:43	1
Perfluorooctanesulfonamide	ND		2.0	0.50	ng/L		11/27/25 11:19	12/01/25 18:43	1
NMeFOSA	ND		2.0	0.50	ng/L		11/27/25 11:19	12/01/25 18:43	1
N-ethylperfluoro-1-octanesulfonamide	ND		2.0	0.50	ng/L		11/27/25 11:19	12/01/25 18:43	1
NMeFOSAA	ND		2.0	0.50	ng/L		11/27/25 11:19	12/01/25 18:43	1
NEtFOSAA	ND		2.0	0.50	ng/L		11/27/25 11:19	12/01/25 18:43	1
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	ND		10	2.5	ng/L		11/27/25 11:19	12/01/25 18:43	1
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	ND		10	4.0	ng/L		11/27/25 11:19	12/01/25 18:43	1
HFPO-DA	ND		2.0	1.4	ng/L		11/27/25 11:19	12/01/25 18:43	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.50	ng/L		11/27/25 11:19	12/01/25 18:43	1
Perfluoro-3-methoxypropanoic acid	ND		2.0	0.50	ng/L		11/27/25 11:19	12/01/25 18:43	1
Perfluoro(4-methoxybutanoic acid)	ND		2.0	0.50	ng/L		11/27/25 11:19	12/01/25 18:43	1
Perfluoro-3,6-dioxaheptanoic acid	ND		2.0	0.50	ng/L		11/27/25 11:19	12/01/25 18:43	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND		2.0	0.50	ng/L		11/27/25 11:19	12/01/25 18:43	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		2.0	0.50	ng/L		11/27/25 11:19	12/01/25 18:43	1
PFEESA	ND		2.0	0.50	ng/L		11/27/25 11:19	12/01/25 18:43	1
3:3 FTCA	ND		4.0	1.0	ng/L		11/27/25 11:19	12/01/25 18:43	1
5:3 FTCA	ND		10	2.8	ng/L		11/27/25 11:19	12/01/25 18:43	1
7:3 FTCA	ND		10	2.5	ng/L		11/27/25 11:19	12/01/25 18:43	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Chemtech Consulting Group Inc.
Project/Site: MCUA Permit No 14241 - 571 Jersey Ave NB NJ

Job ID: 410-254628-1

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

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	79.1		5 - 130	11/27/25 11:19	12/01/25 18:43	1
13C5 PFPeA	87.5		40 - 130	11/27/25 11:19	12/01/25 18:43	1
13C5 PFHxA	89.4		40 - 130	11/27/25 11:19	12/01/25 18:43	1
13C4 PFHpA	88.9		40 - 130	11/27/25 11:19	12/01/25 18:43	1
13C8 PFOA	85.0		40 - 130	11/27/25 11:19	12/01/25 18:43	1
13C9 PFNA	82.4		40 - 130	11/27/25 11:19	12/01/25 18:43	1
13C6 PFDA	77.1		40 - 130	11/27/25 11:19	12/01/25 18:43	1
13C7 PFUnA	76.9		30 - 130	11/27/25 11:19	12/01/25 18:43	1
13C2 PFTeDA	54.5		10 - 130	11/27/25 11:19	12/01/25 18:43	1
13C3 PFBS	85.2		40 - 135	11/27/25 11:19	12/01/25 18:43	1
13C3 PFHxS	81.5		40 - 130	11/27/25 11:19	12/01/25 18:43	1
13C8 PFOS	83.5		40 - 130	11/27/25 11:19	12/01/25 18:43	1
13C8 FOSA	69.9		40 - 130	11/27/25 11:19	12/01/25 18:43	1
d3-NMeFOSAA	82.7		40 - 170	11/27/25 11:19	12/01/25 18:43	1
d5-NEtFOSAA	65.6		25 - 135	11/27/25 11:19	12/01/25 18:43	1
M2-4:2 FTS	101		40 - 200	11/27/25 11:19	12/01/25 18:43	1
M2-6:2 FTS	109		40 - 200	11/27/25 11:19	12/01/25 18:43	1
M2-8:2 FTS	93.3		40 - 300	11/27/25 11:19	12/01/25 18:43	1
13C3 HFPO-DA	93.3		40 - 130	11/27/25 11:19	12/01/25 18:43	1
d7-N-MeFOSE-M	57.4		10 - 130	11/27/25 11:19	12/01/25 18:43	1
d9-N-EtFOSE-M	55.0		10 - 130	11/27/25 11:19	12/01/25 18:43	1
d5-NEtPFOSA	58.1		10 - 130	11/27/25 11:19	12/01/25 18:43	1
d3-NMePFOSA	61.6		10 - 130	11/27/25 11:19	12/01/25 18:43	1
13C2 PFDoA	65.9		10 - 130	11/27/25 11:19	12/01/25 18:43	1

Lab Sample ID: LCS 410-736383/8-A

Matrix: Water

Analysis Batch: 737075

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 736383

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid	80.0	78.6		ng/L		98	70 - 140
Perfluoropentanoic acid	40.0	39.1		ng/L		98	65 - 135
Perfluorohexanoic acid	40.0	38.5		ng/L		96	70 - 145
Perfluoroheptanoic acid	40.0	41.6		ng/L		104	70 - 150
Perfluorooctanoic acid	40.0	39.7		ng/L		99	70 - 150
Perfluorononanoic acid	40.0	36.1		ng/L		90	70 - 150
Perfluorodecanoic acid	40.0	38.7		ng/L		97	70 - 140
Perfluoroundecanoic acid	40.0	39.1		ng/L		98	70 - 145
Perfluorododecanoic acid	40.0	40.4		ng/L		101	70 - 140
Perfluorotridecanoic acid	40.0	40.3		ng/L		101	65 - 140
Perfluorotetradecanoic acid	40.0	40.0		ng/L		100	60 - 140
Perfluorobutanesulfonic acid	35.5	36.3		ng/L		102	60 - 145
Perfluoropentanesulfonic acid	37.6	39.9		ng/L		106	65 - 140
Perfluorohexanesulfonic acid	36.5	37.6		ng/L		103	65 - 145
Perfluoroheptanesulfonic acid	38.2	38.7		ng/L		101	70 - 150
Perfluorooctanesulfonic acid	37.2	35.9		ng/L		97	55 - 150
Perfluorononanesulfonic acid	38.5	34.7		ng/L		90	65 - 145
Perfluorodecanesulfonic acid	38.6	33.7		ng/L		87	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	38.8	27.2		ng/L		70	50 - 145
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	75.0	78.0		ng/L		104	70 - 145

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Chemtech Consulting Group Inc.
Project/Site: MCUA Permit No 14241 - 571 Jersey Ave NB NJ

Job ID: 410-254628-1

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

Lab Sample ID: LCS 410-736383/8-A

Matrix: Water

Analysis Batch: 737075

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 736383

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	76.2	73.6		ng/L		97	65 - 155
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	76.8	76.6		ng/L		100	60 - 150
Perfluorooctanesulfonamide	40.0	37.4		ng/L		93	70 - 145
NMeFOSA	40.0	40.8		ng/L		102	60 - 150
N-ethylperfluoro-1-octanesulfonamide	40.0	39.2		ng/L		98	65 - 145
NMeFOSAA	40.0	33.2		ng/L		83	50 - 140
NEtFOSAA	40.0	40.0		ng/L		100	70 - 145
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	200	203		ng/L		101	70 - 145
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	200	215		ng/L		108	70 - 135
HFPO-DA	30.0	27.4		ng/L		91	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	34.3		ng/L		91	65 - 145
Perfluoro-3-methoxypropanoic acid	40.0	42.6		ng/L		106	55 - 140
Perfluoro(4-methoxybutanoic acid)	40.0	36.9		ng/L		92	60 - 150
Perfluoro-3,6-dioxaheptanoic acid	40.0	40.8		ng/L		102	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	37.4	34.4		ng/L		92	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	37.8	33.2		ng/L		88	55 - 160
PFEESA	35.7	35.3		ng/L		99	70 - 140
3:3 FTCA	80.0	74.1		ng/L		93	65 - 130
5:3 FTCA	200	132	*-	ng/L		66	70 - 135
7:3 FTCA	200	123		ng/L		61	50 - 145

Isotope Dilution	LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	80.1		5 - 130
13C5 PFPeA	94.6		40 - 130
13C5 PFHxA	94.1		40 - 130
13C4 PFHpA	93.3		40 - 130
13C8 PFOA	87.1		40 - 130
13C9 PFNA	82.2		40 - 130
13C6 PFDA	76.1		40 - 130
13C7 PFUnA	73.9		30 - 130
13C2 PFTeDA	53.9		10 - 130
13C3 PFBS	85.6		40 - 135
13C3 PFHxS	82.2		40 - 130
13C8 PFOS	81.6		40 - 130
13C8 FOSA	65.4		40 - 130
d3-NMeFOSAA	76.2		40 - 170
d5-NEtFOSAA	61.6		25 - 135
M2-4:2 FTS	93.0		40 - 200
M2-6:2 FTS	99.1		40 - 200

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Chemtech Consulting Group Inc.
Project/Site: MCUA Permit No 14241 - 571 Jersey Ave NB NJ

Job ID: 410-254628-1

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

Lab Sample ID: LCS 410-736383/8-A

Matrix: Water

Analysis Batch: 737075

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 736383

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
M2-8:2 FTS	89.5		40 - 300
13C3 HFPO-DA	103		40 - 130
d7-N-MeFOSE-M	51.4		10 - 130
d9-N-EtFOSE-M	45.0		10 - 130
d5-NEtPFOSA	55.3		10 - 130
d3-NMePFOSA	58.3		10 - 130
13C2 PFDoA	64.7		10 - 130

Lab Sample ID: LLCS 410-736383/9-A

Matrix: Water

Analysis Batch: 737075

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 736383

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	
Perfluorobutanoic acid	8.00	7.80		ng/L		98	70 - 140	
Perfluoropentanoic acid	4.00	4.07		ng/L		102	65 - 135	
Perfluorohexanoic acid	4.00	3.98		ng/L		100	70 - 145	
Perfluoroheptanoic acid	4.00	4.23		ng/L		106	70 - 150	
Perfluorooctanoic acid	4.00	3.90		ng/L		97	70 - 150	
Perfluorononanoic acid	4.00	4.70		ng/L		118	70 - 150	
Perfluorodecanoic acid	4.00	4.40		ng/L		110	70 - 140	
Perfluoroundecanoic acid	4.00	3.90		ng/L		97	70 - 145	
Perfluorododecanoic acid	4.00	3.84		ng/L		96	70 - 140	
Perfluorotridecanoic acid	4.00	3.74		ng/L		94	65 - 140	
Perfluorotetradecanoic acid	4.00	4.22		ng/L		106	60 - 140	
Perfluorobutanesulfonic acid	3.55	3.51		ng/L		99	60 - 145	
Perfluoropentanesulfonic acid	3.76	3.78		ng/L		100	65 - 140	
Perfluorohexanesulfonic acid	3.65	3.32		ng/L		91	65 - 145	
Perfluoroheptanesulfonic acid	3.82	3.93		ng/L		103	70 - 150	
Perfluorooctanesulfonic acid	3.72	3.66		ng/L		98	55 - 150	
Perfluorononanesulfonic acid	3.85	3.56		ng/L		92	65 - 145	
Perfluorodecanesulfonic acid	3.86	3.07		ng/L		80	60 - 145	
Perfluorododecanesulfonic acid (PFDoS)	3.88	2.72		ng/L		70	50 - 145	
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	7.50	7.11		ng/L		95	70 - 145	
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	7.62	7.41		ng/L		97	65 - 155	
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	7.68	7.64		ng/L		100	60 - 150	
Perfluorooctanesulfonamide	4.00	4.02		ng/L		101	70 - 145	
NMeFOSA	4.00	4.26		ng/L		107	60 - 150	
N-ethylperfluoro-1-octanesulfonamide	4.00	3.98		ng/L		100	65 - 145	
NMeFOSAA	4.00	3.80		ng/L		95	50 - 140	
NEtFOSAA	4.00	3.82		ng/L		96	70 - 145	
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	20.0	20.7		ng/L		104	70 - 145	
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	20.0	21.0		ng/L		105	70 - 135	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Chemtech Consulting Group Inc.
Project/Site: MCUA Permit No 14241 - 571 Jersey Ave NB NJ

Job ID: 410-254628-1

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

Lab Sample ID: LLCS 410-736383/9-A

Matrix: Water

Analysis Batch: 737075

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 736383

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
HFPO-DA	3.00	2.55		ng/L		85	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	3.49		ng/L		92	65 - 145
Perfluoro-3-methoxypropanoic acid	4.00	4.66		ng/L		116	55 - 140
Perfluoro(4-methoxybutanoic acid)	4.00	3.93		ng/L		98	60 - 150
Perfluoro-3,6-dioxaheptanoic acid	4.00	4.49		ng/L		112	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	3.74	3.47		ng/L		93	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	3.78	3.07		ng/L		81	55 - 160
PFEESA	3.57	3.30		ng/L		92	70 - 140
3:3 FTCA	8.00	14.8	*+	ng/L		186	65 - 130
5:3 FTCA	20.0	13.9		ng/L		70	70 - 135
7:3 FTCA	20.0	11.8		ng/L		59	50 - 145

Isotope Dilution	LLCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	83.4		5 - 130
13C5 PFPeA	91.5		40 - 130
13C5 PFHxA	95.1		40 - 130
13C4 PFHpA	94.9		40 - 130
13C8 PFOA	88.4		40 - 130
13C9 PFNA	85.3		40 - 130
13C6 PFDA	77.3		40 - 130
13C7 PFUnA	74.6		30 - 130
13C2 PFTeDA	55.7		10 - 130
13C3 PFBS	90.7		40 - 135
13C3 PFHxS	84.8		40 - 130
13C8 PFOS	87.7		40 - 130
13C8 FOSA	69.1		40 - 130
d3-NMeFOSAA	89.5		40 - 170
d5-NEtFOSAA	69.9		25 - 135
M2-4:2 FTS	107		40 - 200
M2-6:2 FTS	106		40 - 200
M2-8:2 FTS	101		40 - 300
13C3 HFPO-DA	97.9		40 - 130
d7-N-MeFOSE-M	47.0		10 - 130
d9-N-EtFOSE-M	43.8		10 - 130
d5-NEtPFOSA	58.3		10 - 130
d3-NMePFOSA	62.2		10 - 130
13C2 PFDoA	67.7		10 - 130

Lab Sample ID: MB 410-737578/10-A

Matrix: Water

Analysis Batch: 739075

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 737578

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid	ND		4.0	1.1	ng/L		12/02/25 09:22	12/04/25 21:57	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Chemtech Consulting Group Inc.
Project/Site: MCUA Permit No 14241 - 571 Jersey Ave NB NJ

Job ID: 410-254628-1

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

Lab Sample ID: MB 410-737578/10-A

Matrix: Water

Analysis Batch: 739075

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 737578

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid	ND		2.0	0.60	ng/L		12/02/25 09:22	12/04/25 21:57	1
Perfluorohexanoic acid	ND		2.0	0.50	ng/L		12/02/25 09:22	12/04/25 21:57	1
Perfluoroheptanoic acid	ND		2.0	0.80	ng/L		12/02/25 09:22	12/04/25 21:57	1
Perfluorooctanoic acid	ND		2.0	0.90	ng/L		12/02/25 09:22	12/04/25 21:57	1
Perfluorononanoic acid	ND		2.0	0.50	ng/L		12/02/25 09:22	12/04/25 21:57	1
Perfluorodecanoic acid	ND		2.0	0.50	ng/L		12/02/25 09:22	12/04/25 21:57	1
Perfluoroundecanoic acid	ND		2.0	0.50	ng/L		12/02/25 09:22	12/04/25 21:57	1
Perfluorododecanoic acid	ND		2.0	0.50	ng/L		12/02/25 09:22	12/04/25 21:57	1
Perfluorotridecanoic acid	ND		2.0	0.50	ng/L		12/02/25 09:22	12/04/25 21:57	1
Perfluorotetradecanoic acid	ND		2.0	0.50	ng/L		12/02/25 09:22	12/04/25 21:57	1
Perfluorobutanesulfonic acid	ND		2.0	0.50	ng/L		12/02/25 09:22	12/04/25 21:57	1
Perfluoropentanesulfonic acid	ND		2.0	0.50	ng/L		12/02/25 09:22	12/04/25 21:57	1
Perfluorohexanesulfonic acid	ND		2.0	0.80	ng/L		12/02/25 09:22	12/04/25 21:57	1
Perfluoroheptanesulfonic acid	ND		2.0	0.50	ng/L		12/02/25 09:22	12/04/25 21:57	1
Perfluorooctanesulfonic acid	ND		2.0	1.3	ng/L		12/02/25 09:22	12/04/25 21:57	1
Perfluorononanesulfonic acid	ND		2.0	0.50	ng/L		12/02/25 09:22	12/04/25 21:57	1
Perfluorodecanesulfonic acid	ND		2.0	0.50	ng/L		12/02/25 09:22	12/04/25 21:57	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.60	ng/L		12/02/25 09:22	12/04/25 21:57	1
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		4.0	1.0	ng/L		12/02/25 09:22	12/04/25 21:57	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.0	1.0	ng/L		12/02/25 09:22	12/04/25 21:57	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		4.0	1.0	ng/L		12/02/25 09:22	12/04/25 21:57	1
Perfluorooctanesulfonamide	ND		2.0	0.50	ng/L		12/02/25 09:22	12/04/25 21:57	1
NMeFOSA	ND		2.0	0.50	ng/L		12/02/25 09:22	12/04/25 21:57	1
N-ethylperfluoro-1-octanesulfonamide	ND		2.0	0.50	ng/L		12/02/25 09:22	12/04/25 21:57	1
NMeFOSAA	ND		2.0	0.50	ng/L		12/02/25 09:22	12/04/25 21:57	1
NEtFOSAA	ND		2.0	0.50	ng/L		12/02/25 09:22	12/04/25 21:57	1
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	ND		10	2.5	ng/L		12/02/25 09:22	12/04/25 21:57	1
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	ND		10	4.0	ng/L		12/02/25 09:22	12/04/25 21:57	1
HFPO-DA	ND		2.0	1.4	ng/L		12/02/25 09:22	12/04/25 21:57	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.50	ng/L		12/02/25 09:22	12/04/25 21:57	1
Perfluoro-3-methoxypropanoic acid	ND		2.0	0.50	ng/L		12/02/25 09:22	12/04/25 21:57	1
Perfluoro(4-methoxybutanoic acid)	ND		2.0	0.50	ng/L		12/02/25 09:22	12/04/25 21:57	1
Perfluoro-3,6-dioxaheptanoic acid	ND		2.0	0.50	ng/L		12/02/25 09:22	12/04/25 21:57	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	ND		2.0	0.50	ng/L		12/02/25 09:22	12/04/25 21:57	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND		2.0	0.50	ng/L		12/02/25 09:22	12/04/25 21:57	1
PFEESA	ND		2.0	0.50	ng/L		12/02/25 09:22	12/04/25 21:57	1
3:3 FTCA	ND		4.0	1.0	ng/L		12/02/25 09:22	12/04/25 21:57	1
5:3 FTCA	ND		10	2.8	ng/L		12/02/25 09:22	12/04/25 21:57	1
7:3 FTCA	ND		10	2.5	ng/L		12/02/25 09:22	12/04/25 21:57	1

QC Sample Results

Client: Chemtech Consulting Group Inc.
Project/Site: MCUA Permit No 14241 - 571 Jersey Ave NB NJ

Job ID: 410-254628-1

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

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	87.5		5 - 130	12/02/25 09:22	12/04/25 21:57	1
13C5 PFPeA	97.5		40 - 130	12/02/25 09:22	12/04/25 21:57	1
13C5 PFHxA	93.9		40 - 130	12/02/25 09:22	12/04/25 21:57	1
13C4 PFHpA	89.3		40 - 130	12/02/25 09:22	12/04/25 21:57	1
13C8 PFOA	95.0		40 - 130	12/02/25 09:22	12/04/25 21:57	1
13C9 PFNA	92.6		40 - 130	12/02/25 09:22	12/04/25 21:57	1
13C6 PFDA	85.4		40 - 130	12/02/25 09:22	12/04/25 21:57	1
13C7 PFUnA	81.5		30 - 130	12/02/25 09:22	12/04/25 21:57	1
13C2 PFTeDA	69.8		10 - 130	12/02/25 09:22	12/04/25 21:57	1
13C3 PFBS	86.0		40 - 135	12/02/25 09:22	12/04/25 21:57	1
13C3 PFHxS	87.4		40 - 130	12/02/25 09:22	12/04/25 21:57	1
13C8 PFOS	90.1		40 - 130	12/02/25 09:22	12/04/25 21:57	1
13C8 FOSA	80.3		40 - 130	12/02/25 09:22	12/04/25 21:57	1
d3-NMeFOSAA	85.5		40 - 170	12/02/25 09:22	12/04/25 21:57	1
d5-NEtFOSAA	95.3		25 - 135	12/02/25 09:22	12/04/25 21:57	1
M2-4:2 FTS	102		40 - 200	12/02/25 09:22	12/04/25 21:57	1
M2-6:2 FTS	96.2		40 - 200	12/02/25 09:22	12/04/25 21:57	1
M2-8:2 FTS	83.5		40 - 300	12/02/25 09:22	12/04/25 21:57	1
13C3 HFPO-DA	92.6		40 - 130	12/02/25 09:22	12/04/25 21:57	1
d7-N-MeFOSE-M	66.5		10 - 130	12/02/25 09:22	12/04/25 21:57	1
d9-N-EtFOSE-M	53.2		10 - 130	12/02/25 09:22	12/04/25 21:57	1
d5-NEtPFOSA	63.2		10 - 130	12/02/25 09:22	12/04/25 21:57	1
d3-NMePFOSA	63.9		10 - 130	12/02/25 09:22	12/04/25 21:57	1
13C2 PFDoA	76.8		10 - 130	12/02/25 09:22	12/04/25 21:57	1

Lab Sample ID: LCS 410-737578/11-A

Matrix: Water

Analysis Batch: 739075

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 737578

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid	80.0	75.3		ng/L		94	70 - 140
Perfluoropentanoic acid	40.0	36.6		ng/L		91	65 - 135
Perfluorohexanoic acid	40.0	37.2		ng/L		93	70 - 145
Perfluoroheptanoic acid	40.0	39.7		ng/L		99	70 - 150
Perfluorooctanoic acid	40.0	36.3		ng/L		91	70 - 150
Perfluorononanoic acid	40.0	35.8		ng/L		90	70 - 150
Perfluorodecanoic acid	40.0	34.0		ng/L		85	70 - 140
Perfluoroundecanoic acid	40.0	36.4		ng/L		91	70 - 145
Perfluorododecanoic acid	40.0	32.4		ng/L		81	70 - 140
Perfluorotridecanoic acid	40.0	34.1		ng/L		85	65 - 140
Perfluorotetradecanoic acid	40.0	39.3		ng/L		98	60 - 140
Perfluorobutanesulfonic acid	35.5	32.2		ng/L		91	60 - 145
Perfluoropentanesulfonic acid	37.6	36.4		ng/L		97	65 - 140
Perfluorohexanesulfonic acid	36.5	33.6		ng/L		92	65 - 145
Perfluoroheptanesulfonic acid	38.2	36.5		ng/L		96	70 - 150
Perfluorooctanesulfonic acid	37.2	32.0		ng/L		86	55 - 150
Perfluorononanesulfonic acid	38.5	35.3		ng/L		92	65 - 145
Perfluorodecanesulfonic acid	38.6	32.3		ng/L		84	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	38.8	24.5		ng/L		63	50 - 145
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	75.0	64.5		ng/L		86	70 - 145

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Chemtech Consulting Group Inc.
Project/Site: MCUA Permit No 14241 - 571 Jersey Ave NB NJ

Job ID: 410-254628-1

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

Lab Sample ID: LCS 410-737578/11-A

Matrix: Water

Analysis Batch: 739075

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 737578

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	76.2	74.9		ng/L		98	65 - 155
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	76.8	68.6		ng/L		89	60 - 150
Perfluorooctanesulfonamide	40.0	34.8		ng/L		87	70 - 145
NMeFOSA	40.0	38.9		ng/L		97	60 - 150
N-ethylperfluoro-1-octanesulfonamide	40.0	37.8		ng/L		94	65 - 145
NMeFOSAA	40.0	34.3		ng/L		86	50 - 140
NEtFOSAA	40.0	34.9		ng/L		87	70 - 145
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	200	176		ng/L		88	70 - 145
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	200	185		ng/L		93	70 - 135
HFPO-DA	30.0	27.5		ng/L		92	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	34.0		ng/L		90	65 - 145
Perfluoro-3-methoxypropanoic acid	40.0	38.0		ng/L		95	55 - 140
Perfluoro(4-methoxybutanoic acid)	40.0	34.6		ng/L		87	60 - 150
Perfluoro-3,6-dioxaheptanoic acid	40.0	34.1		ng/L		85	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	37.4	34.1		ng/L		91	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	37.8	31.3		ng/L		83	55 - 160
PFEESA	35.7	33.8		ng/L		95	70 - 140
3:3 FTCA	80.0	71.1		ng/L		89	65 - 130
5:3 FTCA	200	162		ng/L		81	70 - 135
7:3 FTCA	200	159		ng/L		80	50 - 145

Isotope Dilution	LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	84.8		5 - 130
13C5 PFPeA	95.7		40 - 130
13C5 PFHxA	93.1		40 - 130
13C4 PFHpA	89.4		40 - 130
13C8 PFOA	89.7		40 - 130
13C9 PFNA	82.9		40 - 130
13C6 PFDA	79.1		40 - 130
13C7 PFUnA	81.1		30 - 130
13C2 PFTeDA	59.1		10 - 130
13C3 PFBS	80.2		40 - 135
13C3 PFHxS	82.3		40 - 130
13C8 PFOS	85.1		40 - 130
13C8 FOSA	82.5		40 - 130
d3-NMeFOSAA	86.8		40 - 170
d5-NEtFOSAA	85.3		25 - 135
M2-4:2 FTS	94.3		40 - 200
M2-6:2 FTS	84.4		40 - 200

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Chemtech Consulting Group Inc.
Project/Site: MCUA Permit No 14241 - 571 Jersey Ave NB NJ

Job ID: 410-254628-1

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

Lab Sample ID: LCS 410-737578/11-A

Matrix: Water

Analysis Batch: 739075

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 737578

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
M2-8:2 FTS	81.5		40 - 300
13C3 HFPO-DA	94.9		40 - 130
d7-N-MeFOSE-M	62.3		10 - 130
d9-N-EtFOSE-M	54.8		10 - 130
d5-NEtPFOSA	62.3		10 - 130
d3-NMePFOSA	65.9		10 - 130
13C2 PFDoA	75.8		10 - 130

Lab Sample ID: LLCS 410-737578/12-A

Matrix: Water

Analysis Batch: 739075

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 737578

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	
Perfluorobutanoic acid	8.00	7.71		ng/L		96	70 - 140	
Perfluoropentanoic acid	4.00	3.78		ng/L		95	65 - 135	
Perfluorohexanoic acid	4.00	3.64		ng/L		91	70 - 145	
Perfluoroheptanoic acid	4.00	3.25		ng/L		81	70 - 150	
Perfluorooctanoic acid	4.00	3.75		ng/L		94	70 - 150	
Perfluorononanoic acid	4.00	3.91		ng/L		98	70 - 150	
Perfluorodecanoic acid	4.00	3.35		ng/L		84	70 - 140	
Perfluoroundecanoic acid	4.00	4.01		ng/L		100	70 - 145	
Perfluorododecanoic acid	4.00	3.64		ng/L		91	70 - 140	
Perfluorotridecanoic acid	4.00	3.46		ng/L		86	65 - 140	
Perfluorotetradecanoic acid	4.00	3.69		ng/L		92	60 - 140	
Perfluorobutanesulfonic acid	3.55	3.13		ng/L		88	60 - 145	
Perfluoropentanesulfonic acid	3.76	3.38		ng/L		90	65 - 140	
Perfluorohexanesulfonic acid	3.65	3.21		ng/L		88	65 - 145	
Perfluoroheptanesulfonic acid	3.82	3.95		ng/L		103	70 - 150	
Perfluorooctanesulfonic acid	3.72	3.33		ng/L		89	55 - 150	
Perfluorononanesulfonic acid	3.85	3.67		ng/L		95	65 - 145	
Perfluorodecanesulfonic acid	3.86	3.38		ng/L		88	60 - 145	
Perfluorododecanesulfonic acid (PFDoS)	3.88	2.74		ng/L		71	50 - 145	
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	7.50	7.23		ng/L		96	70 - 145	
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	7.62	7.62		ng/L		100	65 - 155	
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	7.68	6.71		ng/L		87	60 - 150	
Perfluorooctanesulfonamide	4.00	4.05		ng/L		101	70 - 145	
NMeFOSA	4.00	3.88		ng/L		97	60 - 150	
N-ethylperfluoro-1-octanesulfonamide	4.00	4.13		ng/L		103	65 - 145	
NMeFOSAA	4.00	3.56		ng/L		89	50 - 140	
NEtFOSAA	4.00	3.27		ng/L		82	70 - 145	
2-(N-methylperfluoro-1-octanesulfonamido) ethanol	20.0	18.5		ng/L		92	70 - 145	
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	20.0	16.4		ng/L		82	70 - 135	

QC Sample Results

Client: Chemtech Consulting Group Inc.
Project/Site: MCUA Permit No 14241 - 571 Jersey Ave NB NJ

Job ID: 410-254628-1

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

Lab Sample ID: LLCS 410-737578/12-A

Matrix: Water

Analysis Batch: 739075

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 737578

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
HFPO-DA	3.00	2.99		ng/L		100	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	3.93		ng/L		104	65 - 145
Perfluoro-3-methoxypropanoic acid	4.00	4.12		ng/L		103	55 - 140
Perfluoro(4-methoxybutanoic acid)	4.00	3.74		ng/L		94	60 - 150
Perfluoro-3,6-dioxaheptanoic acid	4.00	4.16		ng/L		104	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	3.74	3.90		ng/L		104	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	3.78	3.32		ng/L		88	55 - 160
PFEESA	3.57	3.61		ng/L		101	70 - 140
3:3 FTCA	8.00	7.30		ng/L		91	65 - 130
5:3 FTCA	20.0	17.1		ng/L		85	70 - 135
7:3 FTCA	20.0	15.7		ng/L		79	50 - 145

Isotope Dilution	LLCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	85.7		5 - 130
13C5 PFPeA	90.5		40 - 130
13C5 PFHxA	93.4		40 - 130
13C4 PFHpA	104		40 - 130
13C8 PFOA	95.0		40 - 130
13C9 PFNA	90.8		40 - 130
13C6 PFDA	86.3		40 - 130
13C7 PFUnA	84.7		30 - 130
13C2 PFTeDA	65.6		10 - 130
13C3 PFBS	91.0		40 - 135
13C3 PFHxS	93.4		40 - 130
13C8 PFOS	89.3		40 - 130
13C8 FOSA	84.1		40 - 130
d3-NMeFOSAA	89.8		40 - 170
d5-NEtFOSAA	87.4		25 - 135
M2-4:2 FTS	99.9		40 - 200
M2-6:2 FTS	95.0		40 - 200
M2-8:2 FTS	95.5		40 - 300
13C3 HFPO-DA	96.4		40 - 130
d7-N-MeFOSE-M	59.6		10 - 130
d9-N-EtFOSE-M	56.0		10 - 130
d5-NEtPFOSA	63.4		10 - 130
d3-NMePFOSA	68.5		10 - 130
13C2 PFDoA	80.4		10 - 130

QC Association Summary

Client: Chemtech Consulting Group Inc.
Project/Site: MCUA Permit No 14241 - 571 Jersey Ave NB NJ

Job ID: 410-254628-1

LCMS

Prep Batch: 736383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-254628-1	MH-11212025	Total/NA	Water	1633	
MB 410-736383/7-A	Method Blank	Total/NA	Water	1633	
LCS 410-736383/8-A	Lab Control Sample	Total/NA	Water	1633	
LLCS 410-736383/9-A	Lab Control Sample	Total/NA	Water	1633	

Analysis Batch: 737075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-254628-1	MH-11212025	Total/NA	Water	1633	736383
MB 410-736383/7-A	Method Blank	Total/NA	Water	1633	736383
LCS 410-736383/8-A	Lab Control Sample	Total/NA	Water	1633	736383
LLCS 410-736383/9-A	Lab Control Sample	Total/NA	Water	1633	736383

Prep Batch: 737578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-254628-1 - RE	MH-11212025	Total/NA	Water	1633	
MB 410-737578/10-A	Method Blank	Total/NA	Water	1633	
LCS 410-737578/11-A	Lab Control Sample	Total/NA	Water	1633	
LLCS 410-737578/12-A	Lab Control Sample	Total/NA	Water	1633	

Analysis Batch: 739075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-254628-1 - RE	MH-11212025	Total/NA	Water	1633	737578
MB 410-737578/10-A	Method Blank	Total/NA	Water	1633	737578
LCS 410-737578/11-A	Lab Control Sample	Total/NA	Water	1633	737578
LLCS 410-737578/12-A	Lab Control Sample	Total/NA	Water	1633	737578

Lab Chronicle

Client: Chemtech Consulting Group Inc.
Project/Site: MCUA Permit No 14241 - 571 Jersey Ave NB NJ

Job ID: 410-254628-1

Client Sample ID: MH-11212025
Date Collected: 11/21/25 09:48
Date Received: 11/25/25 09:00

Lab Sample ID: 410-254628-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			736383	GY3C	ELLE	11/27/25 11:19
Total/NA	Analysis	1633		1	737075	MC7V	ELLE	12/01/25 19:37
Total/NA	Prep	1633	RE		737578	W2FB	ELLE	12/02/25 09:22
Total/NA	Analysis	1633	RE	1	739075	XBL5	ELLE	12/05/25 00:27

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.
Project/Site: MCUA Permit No 14241 - 571 Jersey Ave NB NJ

Job ID: 410-254628-1

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	06-30-26

PFAS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-254628-1

SDG No.:

Instrument ID: 30570

Analysis Batch Number: 736567

Lab Sample ID: IC 410-736567/1

Client Sample ID:

Date Analyzed: 11/29/25 11:15

Lab File ID: 25NOV29CAL-01.d

GC Column: Gemini C18 50 ID: 3 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
NETFOSAA	6.89	Isomers	QY4X	11/29/25 13:30
Perfluorooctanesulfonamide	7.74	Isomers	QY4X	11/29/25 13:30
2- (N-methylperfluoro-1-octanesulfon amido) ethanol	8.76	Baseline	QY4X	11/29/25 13:30
2- (N-ethylperfluoro-1-octanesulfona mido) ethanol	9.00	Baseline	QY4X	11/29/25 13:30

Lab Sample ID: IC 410-736567/2

Client Sample ID:

Date Analyzed: 11/29/25 11:29

Lab File ID: 25NOV29CAL-02.d

GC Column: Gemini C18 50 ID: 3 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2- (N-ethylperfluoro-1-octanesulfona mido) ethanol	9.00	Split Peak	QY4X	11/29/25 13:31

Lab Sample ID: IC 410-736567/3

Client Sample ID:

Date Analyzed: 11/29/25 11:42

Lab File ID: 25NOV29CAL-03.d

GC Column: Gemini C18 50 ID: 3 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluorooctanesulfonamide	7.76	Incomplete Integration	QY4X	11/29/25 13:32

Lab Sample ID: IC 410-736567/4

Client Sample ID:

Date Analyzed: 11/29/25 11:56

Lab File ID: 25NOV29CAL-04.d

GC Column: Gemini C18 50 ID: 3 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluorooctanesulfonamide	7.76	Incomplete Integration	QY4X	11/29/25 13:32

1633

PFAS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-254628-1

SDG No.:

Instrument ID: 30570

Analysis Batch Number: 736567

Lab Sample ID: ICISAV 410-736567/5

Client Sample ID:

Date Analyzed: 11/29/25 12:10

Lab File ID: 25NOV29CAL-05.d

GC Column: Gemini C18 50 ID: 3 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
13C2 PFHxA	5.20	Peak assignment corrected	QY4X	11/29/25 13:26
Perfluorobutanesulfonic acid	5.33	Peak assignment corrected	QY4X	11/29/25 13:26
PFEESA	5.57	Peak assignment corrected	QY4X	11/29/25 13:27
13C8 PFOA	6.01	Peak assignment corrected	QY4X	11/29/25 13:26
Perfluoro-4-ethylcyclohexanesulfo nic acid (PFECHS)	6.60	Peak assignment corrected	QY4X	11/29/25 13:27
Perfluoroheptanesulfonic acid	6.63	Peak assignment corrected	QY4X	11/29/25 13:27
d3-NMeFOSAA	6.72	Peak assignment corrected	QY4X	11/29/25 13:26
d5-NEtFOSAA	6.88	Peak assignment corrected	QY4X	11/29/25 13:26
13C2 PFDoA	7.57	Peak assignment corrected	QY4X	11/29/25 13:26
13C8 FOSA	7.75	Peak assignment corrected	QY4X	11/29/25 13:26
Perfluorooctanesulfonamide	7.75	Peak assignment corrected	QY4X	11/29/25 13:27

Lab Sample ID: IC 410-736567/6

Client Sample ID:

Date Analyzed: 11/29/25 12:23

Lab File ID: 25NOV29CAL-06.d

GC Column: Gemini C18 50 ID: 3 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluoroheptanoic acid	5.62	Peak assignment corrected	QY4X	11/29/25 13:33
Perfluorononanoic acid	6.39	Incomplete Integration	QY4X	11/29/25 13:33

Lab Sample ID: IC 410-736567/7

Client Sample ID:

Date Analyzed: 11/29/25 12:37

Lab File ID: 25NOV29CAL-07.d

GC Column: Gemini C18 50 ID: 3 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluoropentanoic acid	4.74	Incomplete Integration	QY4X	11/29/25 13:34
Perfluorooctanesulfonamide	7.74	Isomers	QY4X	11/29/25 13:34

PFAS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-254628-1

SDG No.:

Instrument ID: 30570

Analysis Batch Number: 736567

Lab Sample ID: IC 410-736567/8

Client Sample ID:

Date Analyzed: 11/29/25 12:50

Lab File ID: 25NOV29CAL-08.d

GC Column: Gemini C18 50 ID: 3 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluoroheptanoic acid	5.62	Peak assignment corrected	QY4X	12/02/25 10:37

Lab Sample ID: WDM 410-736567/11

Client Sample ID:

Date Analyzed: 11/29/25 13:31

Lab File ID: 25NOV29CAL-11.d

GC Column: Gemini C18 50 ID: 3 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tauroursodeoxycholic acid	5.02	Peak assignment corrected	QY4X	11/29/25 14:04
Taurochenodeoxycholic acid	5.45	Peak assignment corrected	QY4X	11/29/25 14:04

PFAS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-254628-1

SDG No.:

Instrument ID: 30570

Analysis Batch Number: 737075

Lab Sample ID: CCVO 410-737075/1

Client Sample ID:

Date Analyzed: 12/01/25 10:14

Lab File ID: 25DEC01-01.d

GC Column: Gemini C18 50 ID: 3 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
13C3 PFHxS	6.27	Peak assignment corrected	VGQ7	12/01/25 14:02
13C9 PFNA	6.43	Peak assignment corrected	VGQ7	12/01/25 14:02
NetFOSAA	6.94	Isomers	VGQ7	12/01/25 14:02
Perfluorooctanesulfonamide	7.78	Isomers	VGQ7	12/01/25 14:02

Lab Sample ID: LCS 410-736383/8-A

Client Sample ID:

Date Analyzed: 12/01/25 18:56

Lab File ID: 25DEC01E-14.d

GC Column: Gemini C18 50 ID: 3 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluorooctanesulfonamide	7.74	Missed Peak	MC7V	12/02/25 07:23

Lab Sample ID: LLCS 410-736383/9-A

Client Sample ID:

Date Analyzed: 12/01/25 19:10

Lab File ID: 25DEC01E-15.d

GC Column: Gemini C18 50 ID: 3 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
d5-NetFOSAA	6.85	Peak assignment corrected	MC7V	12/02/25 07:24
2- (N-methylperfluoro-1-octanesulfon amido) ethanol	8.74	Baseline	MC7V	12/02/25 07:25

PFAS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-254628-1

SDG No.:

Instrument ID: 30570

Analysis Batch Number: 737075

Lab Sample ID: 410-254628-1

Client Sample ID: MH-11212025

Date Analyzed: 12/01/25 19:37

Lab File ID: 25DEC01E-17.d

GC Column: Gemini C18 50 ID: 3 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluorobutanoic acid	4.12	Baseline	MC7V	12/02/25 07:26
Perfluoropentanoic acid	4.74	Baseline	MC7V	12/02/25 07:26
Perfluorobutanesulfonic acid	5.33	Baseline	MC7V	12/02/25 07:27
Perfluoroheptanoic acid	5.60	Baseline	MC7V	12/02/25 07:28
Perfluorohexanesulfonic acid	6.20	Baseline	MC7V	12/02/25 07:28

Lab Sample ID: CCV 410-737075/77

Client Sample ID:

Date Analyzed: 12/01/25 22:34

Lab File ID: 25DEC01E-30.d

GC Column: Gemini C18 50 ID: 3 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluorooctanesulfonamide	7.76	Isomers	VGQ7	12/02/25 06:51

PFAS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-254628-1

SDG No.:

Instrument ID: 30570

Analysis Batch Number: 737660

Lab Sample ID: CCVO 410-737660/1

Client Sample ID:

Date Analyzed: 12/02/25 11:43

Lab File ID: 25DEC02-01.d

GC Column: Gemini C18 50 ID: 3 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluorooctanoic acid	6.00	Split Peak	QY4X	12/02/25 12:15
NEtFOSAA	6.87	Isomers	QY4X	12/02/25 12:15
Perfluorooctanesulfonamide	7.76	Isomers	QY4X	12/02/25 12:15
2- (N-methylperfluoro-1-octanesulfon amido) ethanol	8.75	Baseline	QY4X	12/02/25 12:16

Lab Sample ID: CCB 410-737660/126

Client Sample ID:

Date Analyzed: 12/02/25 23:00

Lab File ID: 25Dec02-33.d

GC Column: Gemini C18 50 ID: 3 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2- (N-methylperfluoro-1-octanesulfon amido) ethanol		Invalid Compound ID	VGQ7	12/03/25 06:52

Lab Sample ID: CCV 410-737660/135

Client Sample ID:

Date Analyzed: 12/03/25 01:16

Lab File ID: 25Dec02-44.d

GC Column: Gemini C18 50 ID: 3 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluorooctanesulfonamide	7.80	Isomers	VGQ7	12/03/25 06:55

PFAS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-254628-1

SDG No.:

Instrument ID: 30577

Analysis Batch Number: 738495

Lab Sample ID: IC 410-738495/1

Client Sample ID:

Date Analyzed: 12/03/25 15:58

Lab File ID: 25DEC03CAL-01.d

GC Column: Gemini C18 50 ID: 3 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3:3 FTCA	4.48	Peak assignment corrected	XBL5	12/03/25 18:45
NEtFOSAA	7.00	Baseline	XBL5	12/03/25 18:46
Perfluorooctanesulfonamide	7.96	Missed Peak	XBL5	12/03/25 18:46
2- (N-methylperfluoro-1-octanesulfon amido) ethanol	8.84	Baseline	XBL5	12/03/25 18:46
NMeFOSA	8.94	Baseline	XBL5	12/03/25 18:46
N-ethylperfluoro-1-octanesulfonam ide	9.17	Baseline	XBL5	12/03/25 18:46

Lab Sample ID: IC 410-738495/3

Client Sample ID:

Date Analyzed: 12/03/25 16:25

Lab File ID: 25DEC03CAL-03.d

GC Column: Gemini C18 50 ID: 3 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluorooctanesulfonamide	7.96	Assign Peak	XBL5	12/03/25 18:48

Lab Sample ID: ICV 410-738495/10

Client Sample ID:

Date Analyzed: 12/03/25 18:00

Lab File ID: 25DEC03CAL-10.d

GC Column: Gemini C18 50 ID: 3 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2- (N-methylperfluoro-1-octanesulfon amido) ethanol	8.84	Incomplete Integration	XBL5	12/03/25 20:27

PFAS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-254628-1

SDG No.:

Instrument ID: 30577

Analysis Batch Number: 739075

Lab Sample ID: CCVO 410-739075/1

Client Sample ID:

Date Analyzed: 12/04/25 15:59

Lab File ID: 25DEC04-01.d

GC Column: Gemini C18 50 ID: 3 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3:3 FTCA	4.50	Peak assignment corrected	XBL5	12/04/25 20:11
NEtFOSAA	7.03	Isomers	XBL5	12/04/25 20:12

Lab Sample ID: MB 410-737578/10-A

Client Sample ID:

Date Analyzed: 12/04/25 21:57

Lab File ID: 25DEC04JO-16.d

GC Column: Gemini C18 50 ID: 3 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2- (N-methylperfluoro-1-octanesulfon amido) ethanol	8.85	Baseline	XBL5	12/04/25 23:32
2- (N-ethylperfluoro-1-octanesulfona mido) ethanol	9.10	Baseline	XBL5	12/04/25 23:32

Lab Sample ID: LLCS 410-737578/12-A

Client Sample ID:

Date Analyzed: 12/04/25 22:24

Lab File ID: 25DEC04JO-18.d

GC Column: Gemini C18 50 ID: 3 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perfluorooctanesulfonamide	7.97	Assign Peak	XBL5	12/04/25 23:34

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.: 410-254628-1

SDG No.:

Matrix: Water

Level: Low

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

Client Sample ID	Lab Sample ID	PFBA #	PFPeA #	13C5PHA #	C3PFBS #	HFPODA #	C4PFHA #	C8PFOA #	C3PFHS #
MH-11212025	410-254628-1	65.9 cn	52.6 cn	78.3 cn	70.9 cn	56.3 cn	75.5 cn	74.8 cn	68.9 cn

PFBA = 13C4 PFBA

$$\text{PFPeA} = {}^{13}\text{C5 PFPeA}$$
$$13C5PHA = 13C5 \text{ PFHxA}$$
$$C3PFBS = 13C3 \text{ PFBS}$$

HFPODA = 13C3 HFPO-DA

$$\text{C4PFHA} = 13\text{C4 PFHpA}$$
$$\text{C8PFOA} = 13\text{C8 PFOA}$$
$$C3PFHS = 13C3 \text{ PFH} \times S$$

QC LIMITS

5-130

40-130

40-130

40-135

40-130

40-130

40-130

40-130

```
# Column to be used to flag recovery values
```

FORM II 1633

FORM II
PFAS SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-254628-1
Environment Testing, LLC

SDG No.: _____

Matrix: Water Level: Low

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

Client Sample ID	Lab Sample ID	C9PFNA #	M282FTS #	C6PFDA #	d5NEFOS #	C8PFOS #	13C7PUA #	PFDaA #	PFTDA #
MH-11212025	410-254628-1	66.4 cn	154 cn	46.8 *3 cn	42.3 cn	47.8 cn	30.4 *3 cn	28.8 *3 cn	69.9 *3 cn

	QC LIMITS
C9PFNA = 13C9 PFNA	40-130
M282FTS = M2-8:2 FTS	40-300
C6PFDA = 13C6 PFDA	40-130
d5NEFOS = d5-NEtFOSAA	25-135
C8PFOS = 13C8 PFOS	40-130
13C7PUA = 13C7 PFUnA	30-130
PFDaA = 13C2 PFDaA	10-130
PFTDA = 13C2 PFTeDA	10-130

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.: 410-254628-1

SDG No.:

Matrix: Water Level: Low

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

Client Sample ID	Lab Sample ID	NMFM #	d3NMFSA #	NEFM #	d5NPFSA #
MH-11212025	410-254628-1	15.5 cn	24.5 cn	18.5 cn	28.8 cn

NMFM = d7-N-MeFOSE-M
d3NMFSA = d3-NMePFOSA
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA

QC LIMITS
10-130
10-130
10-130
10-130

```
# Column to be used to flag recovery values
```


FORM II
PFAS SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

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 #
	MB 410-736383/7-A	85.0	81.5	82.4	93.3	82.7	77.1	65.6	83.5
	MB 410-737578/10-A	95.0	87.4	92.6	83.5	85.5	85.4	95.3	90.1
	LCS 410-736383/8-A	87.1	82.2	82.2	89.5	76.2	76.1	61.6	81.6
	LCS 410-737578/11-A	89.7	82.3	82.9	81.5	86.8	79.1	85.3	85.1
	LLCS 410-736383/9-A	88.4	84.8	85.3	101	89.5	77.3	69.9	87.7
	LLCS 410-737578/12-A	95.0	93.4	90.8	95.5	89.8	86.3	87.4	89.3

C8PFOA = 13C8 PFOA
C3PFHS = 13C3 PFHxS
C9PFNA = 13C9 PFNA
M282FTS = M2-8:2 FTS
d3NMFOS = d3-NMeFOSAA
C6PFDA = 13C6 PFDA
d5NEFOS = d5-NEtFOSAA
C8PFOS = 13C8 PFOS

QC LIMITS

40-130
40-130
40-130
40-300
40-170
40-130
25-135
40-130

```
# Column to be used to flag recovery values
```

FORM II
PFAS SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-254628-1
Environment Testing, LLC

SDG No.: _____

Matrix: Water Level: Low

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

Client Sample ID	Lab Sample ID	13C7PUA #	PFD _o A #	PFOSA #	PFTDA #	NMFM #	d3NMFS _A #	NEFM #	d5NPFSA #
	MB 410-736383/7-A	76.9	65.9	69.9	54.5	57.4	61.6	55.0	58.1
	MB 410-737578/10-A	81.5	76.8	80.3	69.8	66.5	63.9	53.2	63.2
	LCS 410-736383/8-A	73.9	64.7	65.4	53.9	51.4	58.3	45.0	55.3
	LCS 410-737578/11-A	81.1	75.8	82.5	59.1	62.3	65.9	54.8	62.3
	LLCS 410-736383/9-A	74.6	67.7	69.1	55.7	47.0	62.2	43.8	58.3
	LLCS 410-737578/12-A	84.7	80.4	84.1	65.6	59.6	68.5	56.0	63.4

	QC LIMITS
13C7PUA = 13C7 PFUnA	30-130
PFD _o A = 13C2 PFD _o A	10-130
PFOSA = 13C8 FOSA	40-130
PFTDA = 13C2 PFTeDA	10-130
NMFM = d7-N-MeFOSE-M	10-130
d3NMFS _A = 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 II
PFAS SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Matrix: Water

Level: Low

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

Client Sample ID	Lab Sample ID	PFPeA #	M242FTS #	13C5PHA #	M262FTS #	d3NMFOS #	PFOSA #
MH-11212025 RE	410-254628-1 RE	115	188	106	143	99.6	112

PFPeA = 13C5 PFPeA
M242FTS = M2-4:2 FTS
13C5PHA = 13C5 PFHxA
M262FTS = M2-6:2 FTS
d3NMFOs = d3-NMeFOsAA
PFOSA = 13C8 FOsA

QC LIMITS

40-130
40-200
40-130
40-200
40-170
40-130

```
# Column to be used to flag recovery values
```

FORM III
PFAS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: 25DEC01E-14.d

Lab ID: LCS 410-736383/8-A

Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC	QC LIMITS REC	#
Perfluorobutanoic acid	80.0	78.6	98	70-140	
Perfluoropentanoic acid	40.0	39.1	98	65-135	
Perfluorohexanoic acid	40.0	38.5	96	70-145	
Perfluoroheptanoic acid	40.0	41.6	104	70-150	
Perfluorooctanoic acid	40.0	39.7	99	70-150	
Perfluorononanoic acid	40.0	36.1	90	70-150	
Perfluorodecanoic acid	40.0	38.7	97	70-140	
Perfluoroundecanoic acid	40.0	39.1	98	70-145	
Perfluorododecanoic acid	40.0	40.4	101	70-140	
Perfluorotridecanoic acid	40.0	40.3	101	65-140	
Perfluorotetradecanoic acid	40.0	40.0	100	60-140	
Perfluorobutanesulfonic acid	35.5	36.3	102	60-145	
Perfluoropentanesulfonic acid	37.6	39.9	106	65-140	
Perfluorohexanesulfonic acid	36.5	37.6	103	65-145	
Perfluoroheptanesulfonic acid	38.2	38.7	101	70-150	
Perfluorooctanesulfonic acid	37.2	35.9	97	55-150	
Perfluorononanesulfonic acid	38.5	34.7	90	65-145	
Perfluorodecanesulfonic acid	38.6	33.7	87	60-145	
Perfluorododecanesulfonic acid (PFDoS)	38.8	27.2	70	50-145	
1H,1H,2H,2H-perfluorohexanesul fonic acid (4:2)	75.0	78.0	104	70-145	
1H,1H,2H,2H-perfluorooctanesul fonic acid (6:2)	76.2	73.6	97	65-155	
1H,1H,2H,2H-perfluorodecanesul fonic acid (8:2)	76.8	76.6	100	60-150	
Perfluorooctanesulfonamide	40.0	37.4	93	70-145	
NMeFOSA	40.0	40.8	102	60-150	
N-ethylperfluoro-1-octanesulfo namide	40.0	39.2	98	65-145	
NMeFOSAA	40.0	33.2	83	50-140	
NEtFOSAA	40.0	40.0	100	70-145	
2- (N-methylperfluoro-1-octanesul fonamido) ethanol	200	203	101	70-145	
2- (N-ethylperfluoro-1-octanesulf onamido) ethanol	200	215	108	70-135	
HFPO-DA	30.0	27.4	91	70-140	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	34.3	91	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.: 410-254628-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: 25DEC01E-14.d

Lab ID: LCS 410-736383/8-A

Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC	QC LIMITS REC	#
Perfluoro-3-methoxypropanoic acid	40.0	42.6	106	55-140	
Perfluoro(4-methoxybutanoic acid)	40.0	36.9	92	60-150	
Perfluoro-3,6-dioxahexanoic acid	40.0	40.8	102	50-150	
9-Chlorohexadecafluoro-3-oxonane-1-sulfonic acid	37.4	34.4	92	70-155	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	37.8	33.2	88	55-160	
PFEESA	35.7	35.3	99	70-140	
3:3 FTCA	80.0	74.1	93	65-130	
5:3 FTCA	200	132	66	70-135	* -
7:3 FTCA	200	123	61	50-145	
13C4 PFBA	80.0	64.1	80.1	5-130	
13C5 PFPeA	80.0	75.7	94.6	40-130	
13C5 PFHxA	80.0	75.3	94.1	40-130	
13C4 PFHpA	80.0	74.6	93.3	40-130	
13C8 PFOA	80.0	69.7	87.1	40-130	
13C9 PFNA	80.0	65.8	82.2	40-130	
13C6 PFDA	80.0	60.8	76.1	40-130	
13C7 PFUnA	80.0	59.1	73.9	30-130	
13C2 PFTeDA	80.0	43.1	53.9	10-130	
13C3 PFBS	74.6	63.8	85.6	40-135	
13C3 PFHxS	75.8	62.3	82.2	40-130	
13C8 PFOS	76.6	62.6	81.6	40-130	
13C8 FOSA	80.0	52.3	65.4	40-130	
d3-NMeFOSAA	200	152	76.2	40-170	
d5-NEtFOSAA	200	123	61.6	25-135	
M2-4:2 FTS	188	175	93.0	40-200	
M2-6:2 FTS	190	189	99.1	40-200	
M2-8:2 FTS	192	172	89.5	40-300	
13C3 HFPO-DA	80.0	82.2	103	40-130	
d7-N-MeFOSE-M	200	103	51.4	10-130	
d9-N-EtFOSE-M	200	89.9	45.0	10-130	
d5-NEtPFOSA	80.0	44.3	55.3	10-130	
d3-NMePFOSA	80.0	46.6	58.3	10-130	
13C2 PFDoA	80.0	51.8	64.7	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.: 410-254628-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: 25DEC04JO-17.d

Lab ID: LCS 410-737578/11-A

Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC	QC LIMITS REC	#
Perfluorobutanoic acid	80.0	75.3	94	70-140	
Perfluoropentanoic acid	40.0	36.6	91	65-135	
Perfluorohexanoic acid	40.0	37.2	93	70-145	
Perfluoroheptanoic acid	40.0	39.7	99	70-150	
Perfluorooctanoic acid	40.0	36.3	91	70-150	
Perfluorononanoic acid	40.0	35.8	90	70-150	
Perfluorodecanoic acid	40.0	34.0	85	70-140	
Perfluoroundecanoic acid	40.0	36.4	91	70-145	
Perfluorododecanoic acid	40.0	32.4	81	70-140	
Perfluorotridecanoic acid	40.0	34.1	85	65-140	
Perfluorotetradecanoic acid	40.0	39.3	98	60-140	
Perfluorobutanesulfonic acid	35.5	32.2	91	60-145	
Perfluoropentanesulfonic acid	37.6	36.4	97	65-140	
Perfluorohexanesulfonic acid	36.5	33.6	92	65-145	
Perfluoroheptanesulfonic acid	38.2	36.5	96	70-150	
Perfluorooctanesulfonic acid	37.2	32.0	86	55-150	
Perfluorononanesulfonic acid	38.5	35.3	92	65-145	
Perfluorodecanesulfonic acid	38.6	32.3	84	60-145	
Perfluorododecanesulfonic acid (PFDoS)	38.8	24.5	63	50-145	
1H,1H,2H,2H-perfluorohexanesul fonic acid (4:2)	75.0	64.5	86	70-145	
1H,1H,2H,2H-perfluorooctanesul fonic acid (6:2)	76.2	74.9	98	65-155	
1H,1H,2H,2H-perfluorodecanesul fonic acid (8:2)	76.8	68.6	89	60-150	
Perfluorooctanesulfonamide	40.0	34.8	87	70-145	
NMeFOSA	40.0	38.9	97	60-150	
N-ethylperfluoro-1-octanesulfo namide	40.0	37.8	94	65-145	
NMeFOSAA	40.0	34.3	86	50-140	
NEtFOSAA	40.0	34.9	87	70-145	
2- (N-methylperfluoro-1-octanesul fonamido) ethanol	200	176	88	70-145	
2- (N-ethylperfluoro-1-octanesulf onamido) ethanol	200	185	93	70-135	
HFPO-DA	30.0	27.5	92	70-140	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	34.0	90	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.: 410-254628-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: 25DEC04JO-17.d

Lab ID: LCS 410-737578/11-A

Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC	QC LIMITS REC	#
Perfluoro-3-methoxypropanoic acid	40.0	38.0	95	55-140	
Perfluoro(4-methoxybutanoic acid)	40.0	34.6	87	60-150	
Perfluoro-3,6-dioxaheptanoic acid	40.0	34.1	85	50-150	
9-Chlorohexadecafluoro-3-oxonane-1-sulfonic acid	37.4	34.1	91	70-155	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	37.8	31.3	83	55-160	
PFEESA	35.7	33.8	95	70-140	
3:3 FTCA	80.0	71.1	89	65-130	
5:3 FTCA	200	162	81	70-135	
7:3 FTCA	200	159	80	50-145	
13C4 PFBA	80.0	67.8	84.8	5-130	
13C5 PFPeA	80.0	76.6	95.7	40-130	
13C5 PFHxA	80.0	74.5	93.1	40-130	
13C4 PFHpA	80.0	71.5	89.4	40-130	
13C8 PFOA	80.0	71.8	89.7	40-130	
13C9 PFNA	80.0	66.3	82.9	40-130	
13C6 PFDA	80.0	63.3	79.1	40-130	
13C7 PFUnA	80.0	64.9	81.1	30-130	
13C2 PFTeDA	80.0	47.3	59.1	10-130	
13C3 PFBS	74.6	59.8	80.2	40-135	
13C3 PFHxS	75.8	62.4	82.3	40-130	
13C8 PFOS	76.6	65.2	85.1	40-130	
13C8 FOSA	80.0	66.0	82.5	40-130	
d3-NMeFOSAA	200	174	86.8	40-170	
d5-NEtFOSAA	200	171	85.3	25-135	
M2-4:2 FTS	188	177	94.3	40-200	
M2-6:2 FTS	190	161	84.4	40-200	
M2-8:2 FTS	192	156	81.5	40-300	
13C3 HFPO-DA	80.0	75.9	94.9	40-130	
d7-N-MeFOSE-M	200	125	62.3	10-130	
d9-N-EtFOSE-M	200	110	54.8	10-130	
d5-NEtPFOSA	80.0	49.9	62.3	10-130	
d3-NMePFOSA	80.0	52.8	65.9	10-130	
13C2 PFDoA	80.0	60.6	75.8	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.: 410-254628-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: 25DEC01E-15.d

Lab ID: LLCS 410-736383/9-A

Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LLCS CONCENTRATION (ng/L)	LLCS % REC	QC LIMITS REC	#
Perfluorobutanoic acid	8.00	7.80	98	70-140	
Perfluoropentanoic acid	4.00	4.07	102	65-135	
Perfluorohexanoic acid	4.00	3.98	100	70-145	
Perfluoroheptanoic acid	4.00	4.23	106	70-150	
Perfluorooctanoic acid	4.00	3.90	97	70-150	
Perfluorononanoic acid	4.00	4.70	118	70-150	
Perfluorodecanoic acid	4.00	4.40	110	70-140	
Perfluoroundecanoic acid	4.00	3.90	97	70-145	
Perfluorododecanoic acid	4.00	3.84	96	70-140	
Perfluorotridecanoic acid	4.00	3.74	94	65-140	
Perfluorotetradecanoic acid	4.00	4.22	106	60-140	
Perfluorobutanesulfonic acid	3.55	3.51	99	60-145	
Perfluoropentanesulfonic acid	3.76	3.78	100	65-140	
Perfluorohexanesulfonic acid	3.65	3.32	91	65-145	
Perfluoroheptanesulfonic acid	3.82	3.93	103	70-150	
Perfluorooctanesulfonic acid	3.72	3.66	98	55-150	
Perfluorononanesulfonic acid	3.85	3.56	92	65-145	
Perfluorodecanesulfonic acid	3.86	3.07	80	60-145	
Perfluorododecanesulfonic acid (PFDoS)	3.88	2.72	70	50-145	
1H,1H,2H,2H-perfluorohexanesul fonic acid (4:2)	7.50	7.11	95	70-145	
1H,1H,2H,2H-perfluorooctanesul fonic acid (6:2)	7.62	7.41	97	65-155	
1H,1H,2H,2H-perfluorodecanesul fonic acid (8:2)	7.68	7.64	100	60-150	
Perfluorooctanesulfonamide	4.00	4.02	101	70-145	
NMeFOSA	4.00	4.26	107	60-150	
N-ethylperfluoro-1-octanesulfo namide	4.00	3.98	100	65-145	
NMeFOSAA	4.00	3.80	95	50-140	
NEtFOSAA	4.00	3.82	96	70-145	
2- (N-methylperfluoro-1-octanesul fonamido) ethanol	20.0	20.7	104	70-145	
2- (N-ethylperfluoro-1-octanesulf onamido) ethanol	20.0	21.0	105	70-135	
HFPO-DA	3.00	2.55	85	70-140	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	3.49	92	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.: 410-254628-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: 25DEC01E-15.d

Lab ID: LLCS 410-736383/9-A

Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LLCS CONCENTRATION (ng/L)	LLCS % REC	QC LIMITS REC	#
Perfluoro-3-methoxypropanoic acid	4.00	4.66	116	55-140	
Perfluoro(4-methoxybutanoic acid)	4.00	3.93	98	60-150	
Perfluoro-3,6-dioxaheptanoic acid	4.00	4.49	112	50-150	
9-Chlorohexadecafluoro-3-oxonane-1-sulfonic acid	3.74	3.47	93	70-155	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	3.78	3.07	81	55-160	
PFEESA	3.57	3.30	92	70-140	
3:3 FTCA	8.00	14.8	186	65-130	++
5:3 FTCA	20.0	13.9	70	70-135	
7:3 FTCA	20.0	11.8	59	50-145	
13C4 PFBA	80.0	66.7	83.4	5-130	
13C5 PFPeA	80.0	73.2	91.5	40-130	
13C5 PFHxA	80.0	76.1	95.1	40-130	
13C4 PFHpA	80.0	75.9	94.9	40-130	
13C8 PFOA	80.0	70.7	88.4	40-130	
13C9 PFNA	80.0	68.2	85.3	40-130	
13C6 PFDA	80.0	61.8	77.3	40-130	
13C7 PFUnA	80.0	59.7	74.6	30-130	
13C2 PFTeDA	80.0	44.5	55.7	10-130	
13C3 PFBS	74.6	67.6	90.7	40-135	
13C3 PFHxS	75.8	64.3	84.8	40-130	
13C8 PFOS	76.6	67.2	87.7	40-130	
13C8 FOSA	80.0	55.3	69.1	40-130	
d3-NMeFOSAA	200	179	89.5	40-170	
d5-NEtFOSAA	200	140	69.9	25-135	
M2-4:2 FTS	188	200	107	40-200	
M2-6:2 FTS	190	202	106	40-200	
M2-8:2 FTS	192	194	101	40-300	
13C3 HFPO-DA	80.0	78.3	97.9	40-130	
d7-N-MeFOSE-M	200	94.0	47.0	10-130	
d9-N-EtFOSE-M	200	87.7	43.8	10-130	
d5-NEtPFOSA	80.0	46.6	58.3	10-130	
d3-NMePFOSA	80.0	49.7	62.2	10-130	
13C2 PFDoA	80.0	54.2	67.7	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.: 410-254628-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: 25DEC04JO-18.d

Lab ID: LLCS 410-737578/12-A

Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LLCS CONCENTRATION (ng/L)	LLCS % REC	QC LIMITS REC	#
Perfluorobutanoic acid	8.00	7.71	96	70-140	
Perfluoropentanoic acid	4.00	3.78	95	65-135	
Perfluorohexanoic acid	4.00	3.64	91	70-145	
Perfluoroheptanoic acid	4.00	3.25	81	70-150	
Perfluorooctanoic acid	4.00	3.75	94	70-150	
Perfluorononanoic acid	4.00	3.91	98	70-150	
Perfluorodecanoic acid	4.00	3.35	84	70-140	
Perfluoroundecanoic acid	4.00	4.01	100	70-145	
Perfluorododecanoic acid	4.00	3.64	91	70-140	
Perfluorotridecanoic acid	4.00	3.46	86	65-140	
Perfluorotetradecanoic acid	4.00	3.69	92	60-140	
Perfluorobutanesulfonic acid	3.55	3.13	88	60-145	
Perfluoropentanesulfonic acid	3.76	3.38	90	65-140	
Perfluorohexanesulfonic acid	3.65	3.21	88	65-145	
Perfluoroheptanesulfonic acid	3.82	3.95	103	70-150	
Perfluorooctanesulfonic acid	3.72	3.33	89	55-150	
Perfluorononanesulfonic acid	3.85	3.67	95	65-145	
Perfluorodecanesulfonic acid	3.86	3.38	88	60-145	
Perfluorododecanesulfonic acid (PFDoS)	3.88	2.74	71	50-145	
1H,1H,2H,2H-perfluorohexanesul fonic acid (4:2)	7.50	7.23	96	70-145	
1H,1H,2H,2H-perfluorooctanesul fonic acid (6:2)	7.62	7.62	100	65-155	
1H,1H,2H,2H-perfluorodecanesul fonic acid (8:2)	7.68	6.71	87	60-150	
Perfluorooctanesulfonamide	4.00	4.05	101	70-145	
NMeFOSA	4.00	3.88	97	60-150	
N-ethylperfluoro-1-octanesulfo namide	4.00	4.13	103	65-145	
NMeFOSAA	4.00	3.56	89	50-140	
NEtFOSAA	4.00	3.27	82	70-145	
2- (N-methylperfluoro-1-octanesul fonamido) ethanol	20.0	18.5	92	70-145	
2- (N-ethylperfluoro-1-octanesulf onamido) ethanol	20.0	16.4	82	70-135	
HFPO-DA	3.00	2.99	100	70-140	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	3.93	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.: 410-254628-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: 25DEC04JO-18.d

Lab ID: LLCS 410-737578/12-A

Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LLCS CONCENTRATION (ng/L)	LLCS % REC	QC LIMITS REC	#
Perfluoro-3-methoxypropanoic acid	4.00	4.12	103	55-140	
Perfluoro(4-methoxybutanoic acid)	4.00	3.74	94	60-150	
Perfluoro-3,6-dioxahexanoic acid	4.00	4.16	104	50-150	
9-Chlorohexadecafluoro-3-oxonane-1-sulfonic acid	3.74	3.90	104	70-155	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	3.78	3.32	88	55-160	
PFEESA	3.57	3.61	101	70-140	
3:3 FTCA	8.00	7.30	91	65-130	
5:3 FTCA	20.0	17.1	85	70-135	
7:3 FTCA	20.0	15.7	79	50-145	
13C4 PFBA	80.0	68.6	85.7	5-130	
13C5 PFPeA	80.0	72.4	90.5	40-130	
13C5 PFHxA	80.0	74.7	93.4	40-130	
13C4 PFHpA	80.0	83.6	104	40-130	
13C8 PFOA	80.0	76.0	95.0	40-130	
13C9 PFNA	80.0	72.6	90.8	40-130	
13C6 PFDA	80.0	69.0	86.3	40-130	
13C7 PFUnA	80.0	67.8	84.7	30-130	
13C2 PFTeDA	80.0	52.5	65.6	10-130	
13C3 PFBS	74.6	67.8	91.0	40-135	
13C3 PFHxS	75.8	70.8	93.4	40-130	
13C8 PFOS	76.6	68.4	89.3	40-130	
13C8 FOSA	80.0	67.3	84.1	40-130	
d3-NMeFOSAA	200	180	89.8	40-170	
d5-NEtFOSAA	200	175	87.4	25-135	
M2-4:2 FTS	188	187	99.9	40-200	
M2-6:2 FTS	190	181	95.0	40-200	
M2-8:2 FTS	192	183	95.5	40-300	
13C3 HFPO-DA	80.0	77.1	96.4	40-130	
d7-N-MeFOSE-M	200	119	59.6	10-130	
d9-N-EtFOSE-M	200	112	56.0	10-130	
d5-NEtPFOSA	80.0	50.7	63.4	10-130	
d3-NMePFOSA	80.0	54.8	68.5	10-130	
13C2 PFDoA	80.0	64.3	80.4	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.: 410-254628-1

SDG No.:

Lab File ID: 25DEC01E-13.d

Lab Sample ID: MB 410-736383/7-A

Matrix: Water

Date Extracted: 11/27/2025 11:19

Instrument ID: 30570

Date Analyzed: 12/01/2025 18:43

Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-736383/8-A	25DEC01E-14 .d	12/01/2025 18:56
	LLCS 410-736383/9-A	25DEC01E-15 .d	12/01/2025 19:10
MH-11212025	410-254628-1	25DEC01E-17 .d	12/01/2025 19:37

FORM IV
PFAS METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Lab File ID: 25DEC04JO-16.d

Lab Sample ID: MB 410-737578/10-A

Matrix: Water

Date Extracted: 12/02/2025 09:22

Instrument ID: 30577

Date Analyzed: 12/04/2025 21:57

Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-737578/11-A	25DEC04JO-1 7.d	12/04/2025 22:11
	LLCS 410-737578/12-A	25DEC04JO-1 8.d	12/04/2025 22:24
MH-11212025 RE	410-254628-1 RE	25DEC04JO-2 7.d	12/05/2025 00:27

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-254628-1
Environment Testing, LLC

SDG No.: _____

Instrument ID: 30570 Calibration Start Date: 11/29/2025 11:15

GC Column: Gemini C18 50mm ID: 3 (mm) Calibration End Date: 11/29/2025 12:50

Calibration ID: 79124

		13C3PFBA		PFHxA		PFOA	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		1369151	4.11	3959714	5.20	4505871	6.01
UPPER LIMIT		2738302	4.51	7919428	5.60	9011742	6.41
LOWER LIMIT		684576	3.71	1979857	4.80	2252936	5.61
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICB 410-736567/9		1532633	4.10	4313199	5.21	5065541	6.02
ICV 410-736567/10		1510122	4.12	4356053	5.19	4899519	6.01
CCVO 410-737075/1		1463384	4.11	4135332	5.22	5006261	6.04
CCV 410-737075/2		1464640	4.11	4130018	5.21	5008648	6.02
CCB 410-737075/3		1585229	4.10	4414599	5.20	5342919	6.02
MB 410-736383/7-A		1978873	4.09	4849388	5.18	5999819	5.98
LCS 410-736383/8-A		1924010	4.08	4402494	5.18	5508238	5.98
LLCS 410-736383/9-A		1975773	4.09	4751174	5.18	5539050	5.99
410-254628-1	MH-11212025	803734	4.11	4293828	5.19	4338112	5.99
CCV 410-737075/76		1433122	4.10	4088132	5.19	4973110	6.00
CCB 410-737075/60		1526859	4.09	4247716	5.20	5127554	6.01
CCV 410-737075/77		1443573	4.10	4164149	5.19	4845017	6.00
CCB 410-737075/61		1549159	4.10	4361018	5.19	5290902	6.00
CCV 410-737075/78		1433682	4.10	4072628	5.19	5037472	5.99
CCB 410-737075/62		1566074	4.09	4448057	5.19	5259213	5.99
CCVO 410-737660/1		1411038	4.10	4214184	5.19	4945049	5.99
CCV 410-737660/125		1417607	4.10	4071090	5.19	4798682	6.00
CCB 410-737660/126		1600365	4.10	4629412	5.20	5657727	6.01
410-254628-1 RA	MH-11212025 RA	891834	4.08	4441810	5.18	4805891	5.99
CCV 410-737660/135		1385676	4.10	4030313	5.18	4862873	6.00
CCB 410-737660/136		1574341	4.10	4556134	5.20	5597710	6.00

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 Job No.: 410-254628-1
Environment Testing, LLC

SDG No.: _____

Instrument ID: 30570 Calibration Start Date: 11/29/2025 11:15

GC Column: Gemini C18 50mm ID: 3 (mm) Calibration End Date: 11/29/2025 12:50

Calibration ID: 79124

		PFHxS		PFNA		PFDA	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		1207905	6.23	1753607	6.40	1537644	6.78
UPPER LIMIT		2415810	6.63	3507214	6.80	3075288	7.18
LOWER LIMIT		603953	5.83	876804	6.00	768822	6.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICB 410-736567/9		1325737	6.24	1936120	6.41	1670205	6.80
ICV 410-736567/10		1357106	6.22	1961361	6.39	1683240	6.77
CCVO 410-737075/1		1291419	6.27	1952696	6.43	1727873	6.82
CCV 410-737075/2		1257401	6.24	1922530	6.41	1753461	6.80
CCB 410-737075/3		1360849	6.25	2090798	6.41	1840252	6.81
MB 410-736383/7-A		1556097	6.20	2388215	6.36	2180473	6.75
LCS 410-736383/8-A		1476264	6.19	2339046	6.36	2036501	6.74
LLCS 410-736383/9-A		1506651	6.20	2347197	6.36	2174521	6.75
410-254628-1	MH-11212025	1506766	6.20	2021240	6.36	726309*3	6.75
CCV 410-737075/76		1244759	6.21	1991234	6.38	1770308	6.76
CCB 410-737075/60		1365013	6.22	2101136	6.39	1819677	6.77
CCV 410-737075/77		1283811	6.21	1946076	6.38	1713492	6.76
CCB 410-737075/61		1343789	6.22	2166158	6.38	1829343	6.77
CCV 410-737075/78		1277526	6.21	2020480	6.37	1685636	6.75
CCB 410-737075/62		1339463	6.21	2146189	6.37	1850988	6.76
CCVO 410-737660/1		1243461	6.21	1928293	6.37	1660293	6.76
CCV 410-737660/125		1228673	6.23	1977260	6.39	1817282	6.78
CCB 410-737660/126		1356515	6.23	2248794	6.40	2027323	6.78
410-254628-1 RA	MH-11212025 RA	1512861	6.21	2188235	6.38	768287*3	6.76
CCV 410-737660/135		1202067	6.22	1942236	6.39	1713137	6.78
CCB 410-737660/136		1350054	6.21	2211818	6.38	1996297	6.76

PFHxS = 1802 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

*3=ISTD response or retention time outside acceptable limits.

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-254628-1
Environment Testing, LLC

SDG No.: _____

Instrument ID: 30570 Calibration Start Date: 11/29/2025 11:15

GC Column: Gemini C18 50mm ID: 3 (mm) Calibration End Date: 11/29/2025 12:50

Calibration ID: 79124

		PFOS					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		1398597	7.03				
UPPER LIMIT		2797194	7.43				
LOWER LIMIT		699299	6.63				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICB 410-736567/9		1590028	7.05				
ICV 410-736567/10		1561591	7.03				
CCVO 410-737075/1		1505052	7.08				
CCV 410-737075/2		1497145	7.05				
CCB 410-737075/3		1645305	7.06				
MB 410-736383/7-A		1740957	6.99				
LCS 410-736383/8-A		1661863	6.99				
LLCS 410-736383/9-A		1680388	6.99				
410-254628-1	MH-11212025	1451359	6.98				
CCV 410-737075/76		1469562	7.02				
CCB 410-737075/60		1574538	7.02				
CCV 410-737075/77		1509315	7.01				
CCB 410-737075/61		1677303	7.01				
CCV 410-737075/78		1538550	7.00				
CCB 410-737075/62		1600934	7.01				
CCVO 410-737660/1		1392414	7.01				
CCV 410-737660/125		1478150	7.03				
CCB 410-737660/126		1681329	7.03				
410-254628-1 RA	MH-11212025 RA	1433927	7.00				
CCV 410-737660/135		1407494	7.03				
CCB 410-737660/136		1643703	7.01				

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 Job No.: 410-254628-1
Environment Testing, LLC

SDG No.: _____

Instrument ID: 30577 Calibration Start Date: 12/03/2025 15:58

GC Column: Gemini C18 50mm ID: 3 (mm) Calibration End Date: 12/03/2025 17:33

Calibration ID: 79333

		13C3PFBA		PFHxA		PFOA	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		1539761	4.12	4472698	5.26	6907062	6.08
UPPER LIMIT		3079522	4.52	8945396	5.66	13814124	6.48
LOWER LIMIT		769881	3.72	2236349	4.86	3453531	5.68
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICB 410-738495/9		1951734	4.10	5137647	5.25	7821312	6.07
ICV 410-738495/10		1574926	4.11	4439786	5.25	6939596	6.07
CCVO 410-739075/1		1705355	4.14	4871870	5.27	7618835	6.09
CCV 410-739075/18		1580072	4.15	4581244	5.27	7015315	6.08
CCB 410-739075/19		1865850	4.14	4698190	5.27	7594476	6.09
MB 410-737578/10-A		2046336	4.15	5417177	5.29	8351424	6.11
LCS 410-737578/11-A		1980254	4.14	5051372	5.28	8017238	6.10
LLCS 410-737578/12-A		1951550	4.14	5164879	5.28	8042945	6.10
CCV 410-739075/24		1595455	4.16	4486056	5.29	6978047	6.10
CCB 410-739075/25		1931801	4.15	4826238	5.29	7666243	6.10
410-254628-1 RE	MH-11212025 RE	2089737	4.14	5081436	5.27	7863209	6.09
CCV 410-739075/31		1521600	4.15	4434880	5.28	6725835	6.10
CCB 410-739075/32		1875707	4.15	4924706	5.29	7354633	6.10
CCV 410-739075/52		1509740	4.14	4352546	5.28	7002196	6.10
CCB 410-739075/53		1842788	4.15	4668908	5.29	7217314	6.10

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 Job No.: 410-254628-1
 Environment Testing, LLC

SDG No.:

Instrument ID: 30577 Calibration Start Date: 12/03/2025 15:58

GC Column: Gemini C18 50mm ID: 3 (mm) Calibration End Date: 12/03/2025 17:33

Calibration ID: 79333

		PFHxS		PFNA		PFDA	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		1682290	6.30	2329214	6.48	2374126	6.88
UPPER LIMIT		3364580	6.70	4658428	6.88	4748252	7.28
LOWER LIMIT		841145	5.90	1164607	6.08	1187063	6.48
LAB SAMPLE ID		CLIENT SAMPLE ID					
ICB 410-738495/9		1981422	6.29	2810956	6.47	2802858	6.87
ICV 410-738495/10		1762828	6.29	2284577	6.47	2421657	6.87
CCVO 410-739075/1		1890284	6.32	2636348	6.49	2621041	6.90
CCV 410-739075/18		1730650	6.30	2364868	6.48	2528093	6.88
CCB 410-739075/19		2088321	6.32	2654297	6.49	2760244	6.90
MB 410-737578/10-A		2198651	6.34	2969449	6.52	3080280	6.92
LCS 410-737578/11-A		2156236	6.32	2920444	6.50	2950032	6.90
LLCS 410-737578/12-A		2055586	6.31	2933314	6.50	2949017	6.90
CCV 410-739075/24		1838205	6.32	2417526	6.50	2373912	6.91
CCB 410-739075/25		2127907	6.33	2984800	6.51	2928316	6.91
410-254628-1 RE	MH-11212025 RE	2085252	6.30	2796085	6.48	2717123	6.88
CCV 410-739075/31		1733742	6.32	2334438	6.50	2372526	6.90
CCB 410-739075/32		1993837	6.32	2657216	6.50	2934638	6.90
CCV 410-739075/52		1682933	6.32	2388945	6.50	2348532	6.90
CCB 410-739075/53		1907250	6.32	2733208	6.50	2769041	6.90

PFHxS = 1802 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 Job No.: 410-254628-1
Environment Testing, LLC

SDG No.: _____

Instrument ID: 30577 Calibration Start Date: 12/03/2025 15:58

GC Column: Gemini C18 50mm ID: 3 (mm) Calibration End Date: 12/03/2025 17:33

Calibration ID: 79333

		PFOS					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		1433792	7.14				
UPPER LIMIT		2867584	7.54				
LOWER LIMIT		716896	6.74				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICB 410-738495/9		1617516	7.13				
ICV 410-738495/10		1445271	7.13				
CCVO 410-739075/1		1560848	7.15				
CCV 410-739075/18		1550607	7.13				
CCB 410-739075/19		1568317	7.15				
MB 410-737578/10-A		1787338	7.17				
LCS 410-737578/11-A		1735870	7.16				
LLCS 410-737578/12-A		1695088	7.15				
CCV 410-739075/24		1476955	7.16				
CCB 410-739075/25		1593113	7.16				
410-254628-1 RE	MH-11212025 RE	1551628	7.13				
CCV 410-739075/31		1524277	7.14				
CCB 410-739075/32		1655302	7.15				
CCV 410-739075/52		1425147	7.15				
CCB 410-739075/53		1610873	7.15				

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.: 410-254628-1

SDG No.:

Client Sample ID: MH-11212025

Lab Sample ID: 410-254628-1

Matrix: Water

Lab File ID: 25DEC01E-17.d

Analysis Method: 1633

Date Collected: 11/21/2025 09:48

Extraction Method: 1633

Date Extracted: 11/27/2025 11:19

Sample wt/vol: 134 (mL)

Date Analyzed: 12/01/2025 19:37

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.: 737075

Units: ng/L

Preparation Batch No.: 736383

Instrument ID: 30570

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	11	cn	3.7	1.0
2706-90-3	Perfluoropentanoic acid	3.9	cn	1.9	0.56
307-24-4	Perfluorohexanoic acid	3.8	cn	1.9	0.47
375-85-9	Perfluoroheptanoic acid	2.0	cn	1.9	0.75
335-67-1	Perfluorooctanoic acid	5.3	cn	1.9	0.84
375-95-1	Perfluorononanoic acid	ND	cn	1.9	0.47
335-76-2	Perfluorodecanoic acid	ND	cn	1.9	0.47
2058-94-8	Perfluoroundecanoic acid	ND	cn	1.9	0.47
307-55-1	Perfluorododecanoic acid	ND	cn	1.9	0.47
72629-94-8	Perfluorotridecanoic acid	ND	cn	1.9	0.47
376-06-7	Perfluorotetradecanoic acid	ND	cn	1.9	0.47
375-73-5	Perfluorobutanesulfonic acid	1.8	J cn	1.9	0.47
2706-91-4	Perfluoropentanesulfonic acid	ND	cn	1.9	0.47
355-46-4	Perfluorohexanesulfonic acid	ND	cn	1.9	1.9
375-92-8	Perfluoroheptanesulfonic acid	ND	cn	1.9	0.47
1763-23-1	Perfluorooctanesulfonic acid	ND	cn	1.9	1.2
68259-12-1	Perfluorononanesulfonic acid	ND	cn	1.9	0.47
335-77-3	Perfluorodecanesulfonic acid	ND	cn	1.9	0.47
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND	cn	1.9	0.56
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND	cn	3.7	0.93
31506-32-8	NMeFOSA	ND	cn	1.9	0.47
4151-50-2	N-ethylperfluoro-1-octanesulfonamide	ND	cn	1.9	0.47
2991-50-6	NETFOSAA	ND	cn	1.9	0.47
24448-09-7	2-(N-methylperfluoro-1-octanesulfonamido) ethanol	ND	cn	9.3	2.3
1691-99-2	2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	ND	cn	9.3	3.7
13252-13-6	HFPO-DA	1.8	J cn	1.9	1.3

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-254628-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: MH-11212025 Lab Sample ID: 410-254628-1

Matrix: Water Lab File ID: 25DEC01E-17.d

Analysis Method: 1633 Date Collected: 11/21/2025 09:48

Extraction Method: 1633 Date Extracted: 11/27/2025 11:19

Sample wt/vol: 134 (mL) Date Analyzed: 12/01/2025 19:37

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.: 737075 Units: ng/L

Preparation Batch No.: 736383 Instrument ID: 30570

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	cn	1.9	0.47
377-73-1	Perfluoro-3-methoxypropanoic acid	ND	cn	1.9	0.47
863090-89-5	Perfluoro(4-methoxybutanoic acid)	ND	cn	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	cn	1.9	0.47
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND	cn	1.9	0.47
113507-82-7	PFEESA	ND	cn	1.9	0.47
812-70-4	7:3 FTCA	ND	cn	9.3	2.3

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-254628-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: MH-11212025 Lab Sample ID: 410-254628-1

Matrix: Water Lab File ID: 25DEC01E-17.d

Analysis Method: 1633 Date Collected: 11/21/2025 09:48

Extraction Method: 1633 Date Extracted: 11/27/2025 11:19

Sample wt/vol: 134 (mL) Date Analyzed: 12/01/2025 19:37

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.: 737075 Units: ng/L

Preparation Batch No.: 736383 Instrument ID: 30570

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	65.9	cn	5-130
STL01893	13C5 PFPeA	52.6	cn	40-130
STL02577	13C5 PFHxA	78.3	cn	40-130
STL01892	13C4 PFHpA	75.5	cn	40-130
STL01052	13C8 PFOA	74.8	cn	40-130
STL02578	13C9 PFNA	66.4	cn	40-130
STL02579	13C6 PFDA	46.8	*3 cn	40-130
STL02580	13C7 PFUnA	30.4	*3 cn	30-130
STL02116	13C2 PFTeDA	69.9	*3 cn	10-130
STL02337	13C3 PFBS	70.9	cn	40-135
STL02581	13C3 PFHxS	68.9	cn	40-130
STL01054	13C8 PFOS	47.8	cn	40-130
STL02117	d5-NEtFOSAA	42.3	cn	25-135
STL02280	M2-8:2 FTS	154	cn	40-300
STL02255	13C3 HFPO-DA	56.3	cn	40-130
STL02277	d7-N-MeFOSE-M	15.5	cn	10-130
STL02278	d9-N-EtFOSE-M	18.5	cn	10-130
STL02704	d5-NEtPFOSA	28.8	cn	10-130
STL02705	d3-NMePFOSA	24.5	cn	10-130
960315-52-0	13C2 PFDoA	28.8	*3 cn	10-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\25DEC01E-17.d
 Lims ID: 410-254628-A-1-B
 Client ID: MH-11212025
 Sample Type: Client
 Inject. Date: 01-Dec-2025 19:37:28 ALS Bottle#: 25 Worklist Smp#: 41
 Injection Vol: 7.0 ul Dil. Factor: 1.0000
 Sample Info: 410-254628-A-1-B
 Misc. Info.: Plate: 1 Rack: 1 410-0168432-041
 Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570
 Method: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\30570-1633-125ml.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 02-Dec-2025 07:28:53 Calib Date: 29-Nov-2025 12:50:55
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-08.d
 Column 1 : Det: EXP1
 Process Host: CTX1649

First Level Reviewer: MC7V

Date: 02-Dec-2025 07:28:53

Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
5 PFBA										M
212.80 > 168.90	4.121	4.109	0.012	1.005	79894	0.2841			37.4	M
D 3 13C4-PFBA										
216.80 > 171.90	4.102	4.109	-0.007	0.998	615138	1.32		65.9	2000	
* 4 13C3PFBA										
216.00 > 172.00	4.108	4.109	-0.001		803734	2.00			246	
D 8 13C5 PFPeA										
268.30 > 223.00	4.744	4.755	-0.011	0.914	742579	1.05		52.6	1420	
9 PFPA										M
263.00 > 219.00	4.744	4.765	-0.021	1.000	46884	0.1046			5.6	M
D 13 13C2-4:2FTS										
329.10 > 80.90	5.017	5.036	-0.019	0.810	2469596	11.6		246	119	
* 16 13C2 PFHxA										
315.10 > 270.00	5.190	5.219	-0.029		4293828	5.00			4299	
D 15 13C5 PFHxA										
318.00 > 273.00	5.190	5.219	-0.029	1.000	1524222	1.57		78.3	4497	
17 PFHxA										
313.00 > 269.00	5.190	5.228	-0.038	1.000	75253	0.1023	Target=10.68		17.9	
313.00 > 118.90	5.190	5.228	-0.038	1.000	8468		8.89(5.34-16.01)		10.2	
19 PFBS										M
298.70 > 79.90	5.328	5.362	-0.034	1.000	46045	0.0481	Target=2.86		2.7	M
298.70 > 98.80	5.328	5.362	-0.034	1.000	20233		2.28(1.43-4.30)		7.4	M
D 20 13C3 PFBS										
302.10 > 79.90	5.328	5.362	-0.034	0.860	1453928	1.32		70.9	562	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.373	5.406	-0.033	1.035	752802	1.13		56.3	2183	

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	5.373	5.406	-0.033	1.000	19120	0.0491	Target=2.59		64.7	
284.90 > 184.90	5.373	5.406	-0.033	1.000	8983		2.13(1.30-3.89)		2.3	
28 PFHpA										M
363.10 > 319.00	5.599	5.642	-0.043	1.000	31375	0.0527	Target=2.26		18.5	M
363.10 > 169.00	5.599	5.642	-0.043	1.000	11757		2.67(1.13-3.39)		21.0	
D 27 13C4 PFHpA										
367.10 > 322.00	5.599	5.642	-0.043	1.079	1251038	1.51		75.5	4702	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.787	5.845	-0.058	0.934	2190642	13.6		285	781	
* 35 13C4 PFOA										
417.10 > 372.00	5.987	6.038	-0.051		4338112	5.00			9055	
D 34 13C8 PFOA										
421.10 > 376.00	5.987	6.048	-0.061	1.000	1340180	1.50		74.8	1892	
36 PFOA										
413.00 > 369.00	5.987	6.048	-0.061	1.000	84657	0.1425	Target=2.08		36.1	
413.00 > 169.00	5.987	6.048	-0.061	1.000	28298		2.99(1.04-3.13)		43.3	
D 39 13C3 PFHxS										
402.10 > 79.90	6.196	6.268	-0.072	1.000	1055315	1.31		68.9	865	
* 38 18O2 PFHxS										
403.00 > 83.90	6.196	6.268	-0.072		1506766	1.90			10337	
40 PFHxS										RM
398.70 > 79.90	6.196	6.277	-0.081	1.000	27564	0.0291	Target=3.32		20.9	RM
398.70 > 98.90	6.187	6.277	-0.090	0.999	19016		1.45(1.66-4.97)		15.2	
* 41 13C5 PFNA										
468.00 > 423.00	6.360	6.430	-0.070		2021240	2.00			5313	
D 42 13C9 PFNA										
472.10 > 427.00	6.360	6.430	-0.070	1.000	1291061	1.33		66.4	2197	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.527	6.610	-0.083	1.053	1486786	7.38		154	2597	
D 48 d3-NMeFOSAA										
573.20 > 419.00	6.651	6.763	-0.112	0.953	344410	1.17		23.4	354	
* 50 13C2 PFDA										s
515.10 > 470.10	6.745	6.823	-0.078		726309	2.00			3046	
D 51 13C6 PFDA										
519.10 > 474.10	6.745	6.823	-0.078	1.000	344510	0.9351		46.8	2224	
D 54 d5-NEtFOSAA										
589.20 > 419.00	6.842	6.927	-0.085	0.980	624845	2.12		42.3	1818	
D 56 13C8 PFOS										
507.10 > 79.90	6.978	7.080	-0.102	1.000	611384	0.9152		47.8	985	
* 57 13C4 PFOS										
502.80 > 79.90	6.978	7.080	-0.102		1451359	1.92			1512	
D 59 13C7 PFUnA										
570.00 > 525.10	7.100	7.223	-0.123	1.053	254563	0.6081		30.4	691	
D 81 13C2 PFDaA										
615.10 > 570.00	7.487	7.624	-0.137	1.110	203390	0.5762		28.8	602	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 65 13C8 FOSA 506.10 > 77.80	7.714	7.776	-0.062	1.106	378706	0.4363		21.8	1068	
D 69 13C2 PFTeDA 715.20 > 670.00	8.286	8.423	-0.137	1.228	251399	1.40		69.9	1414	
D 72 d7-N-Me-FOSE 623.20 > 58.90	8.715	8.741	-0.026	1.249	93033	0.7729		15.5	114	
D 74 d3-NMePFOSA 515.00 > 219.00	8.836	8.861	-0.025	1.266	103176	0.4902		24.5	584	
D 76 d9-N-EtFOSE 639.20 > 58.90	8.964	8.987	-0.023	1.285	128459	0.9232		18.5	208	
D 78 d5-NEtPFOSA 531.10 > 219.00	9.069	9.079	-0.010	1.300	146086	0.5763		28.8	243	

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

s - Failed ISTD Recovery Test

Review Flags

M - Manually Integrated

Reagents:

1633_125_IS_V_00521

Amount Added: 50.00

Units: uL

Data File: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\25DEC01E-17.d

Injection Date: 01-Dec-2025 19:37:28

Instrument ID: 30570

Lims ID: 410-254628-A-1-B

Lab Sample ID: 410-254628-1

Client ID: MH-11212025

Operator ID: ETUS023_USR_INS00003

ALS Bottle#: 25

Worklist Smp#: 41

Injection Vol: 7.0 ul

Dil. Factor: 1.0000

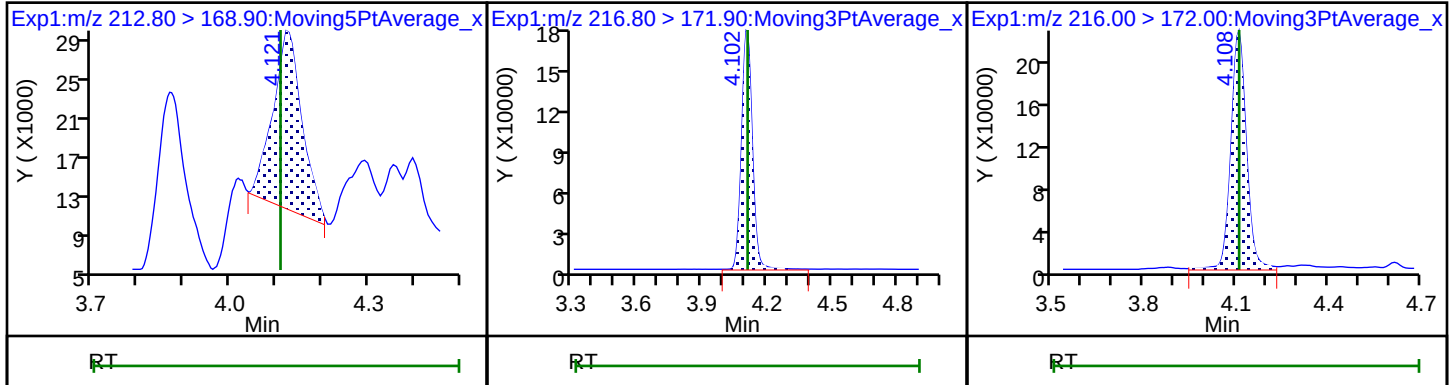
Method: 30570-1633-125ml

Limit Group: LC - 1633 LVI- ICAL

5 PFBA (M)

D 3 13C4-PFBA

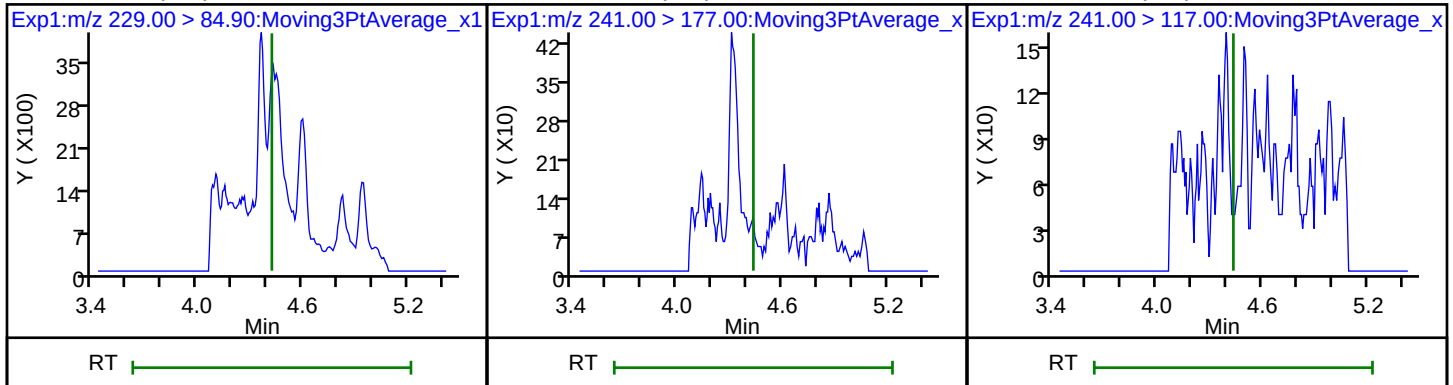
* 4 13C3PFBA



6 PFMPA (ND)

7 3:3 FTCA (ND)

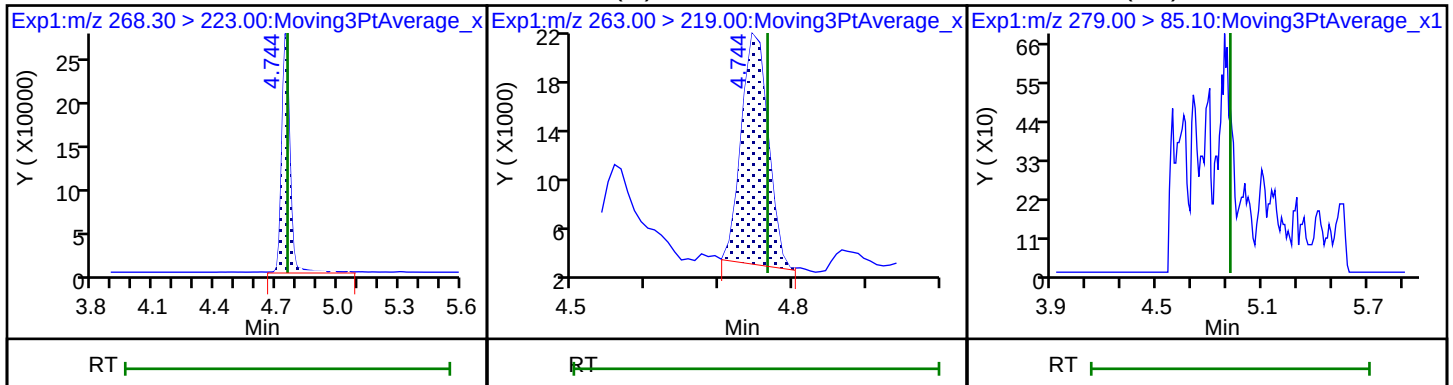
7 3:3 FTCA (ND)



D 8 13C5 PFPeA

9 PFPA (M)

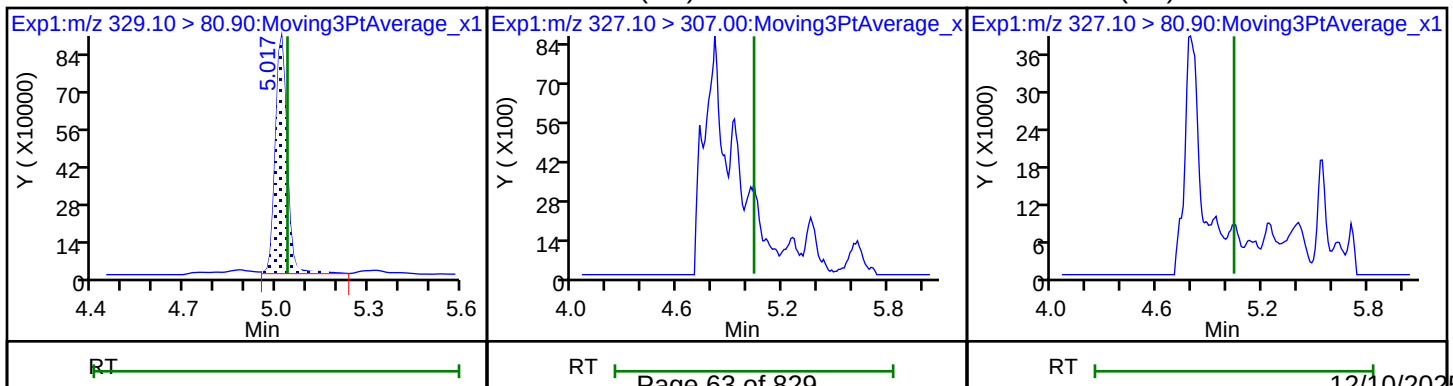
10 PFMBBA (ND)

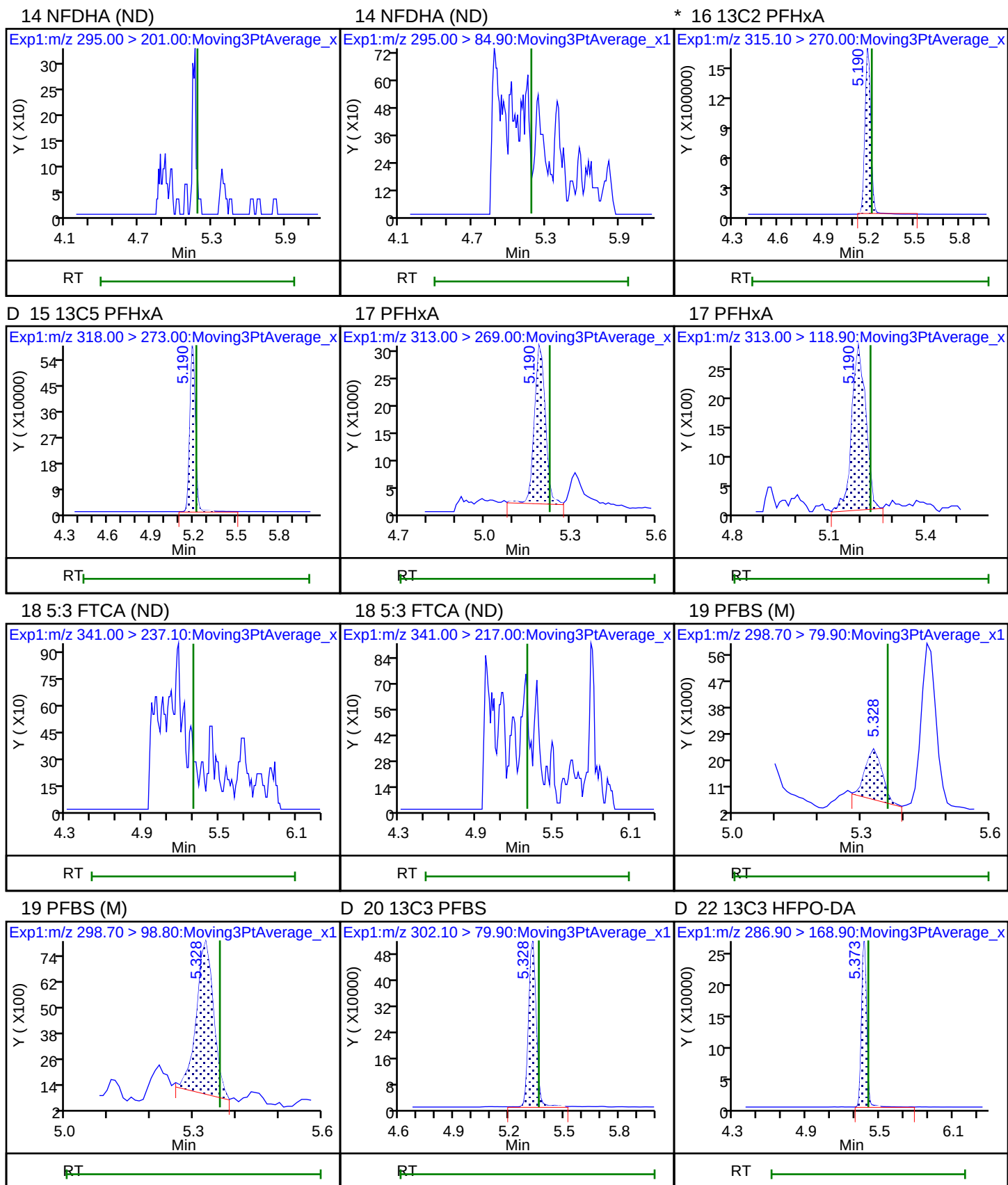


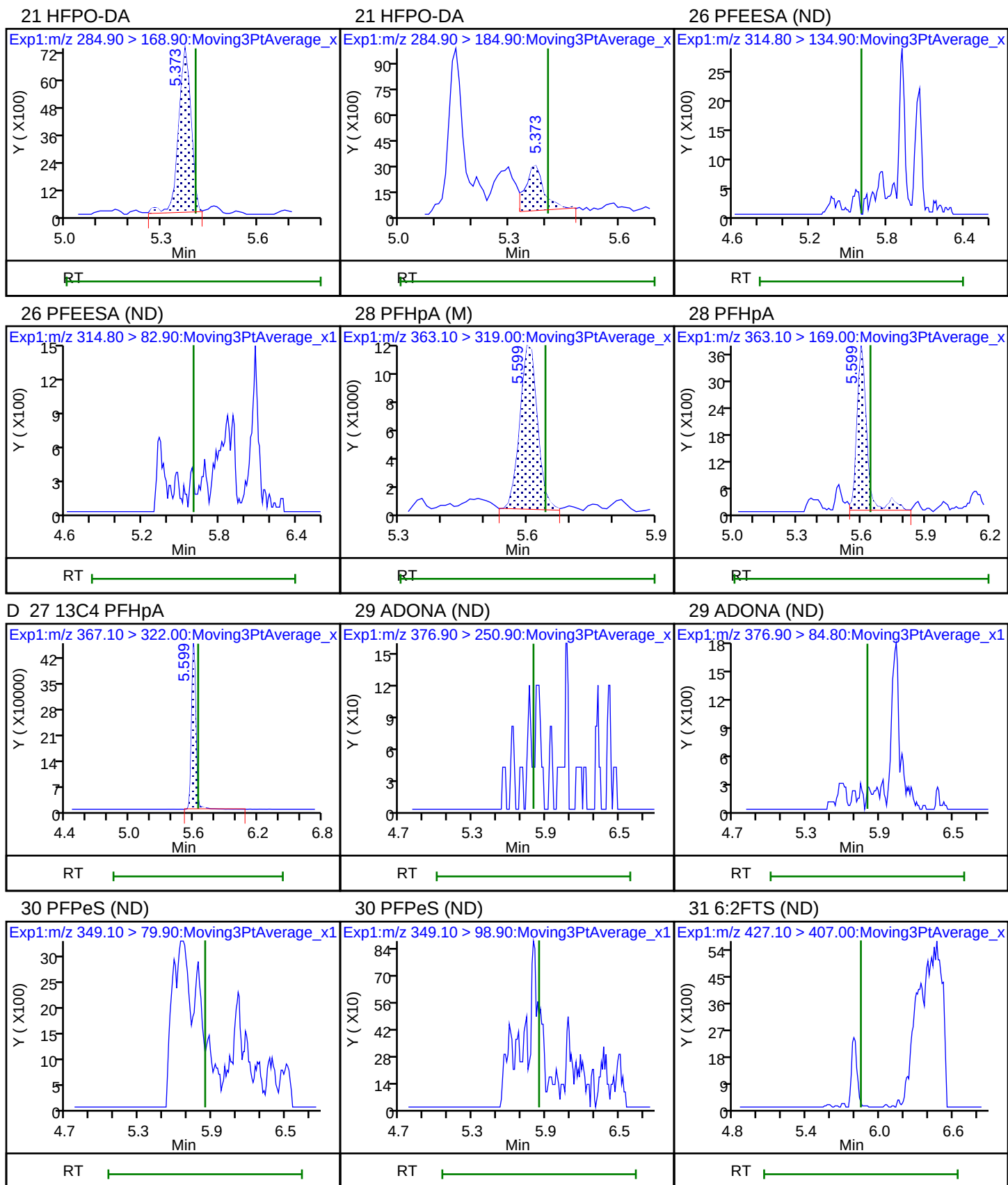
D 13 13C2-4:2FTS

11 4:2FTS (ND)

11 4:2FTS (ND)



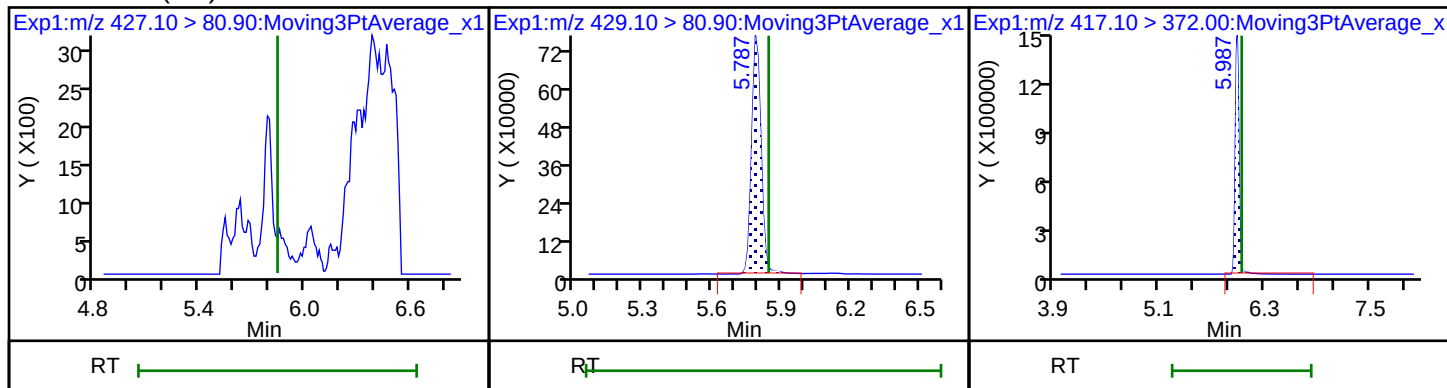




31 6:2FTS (ND)

D 32 13C2-6:2FTS

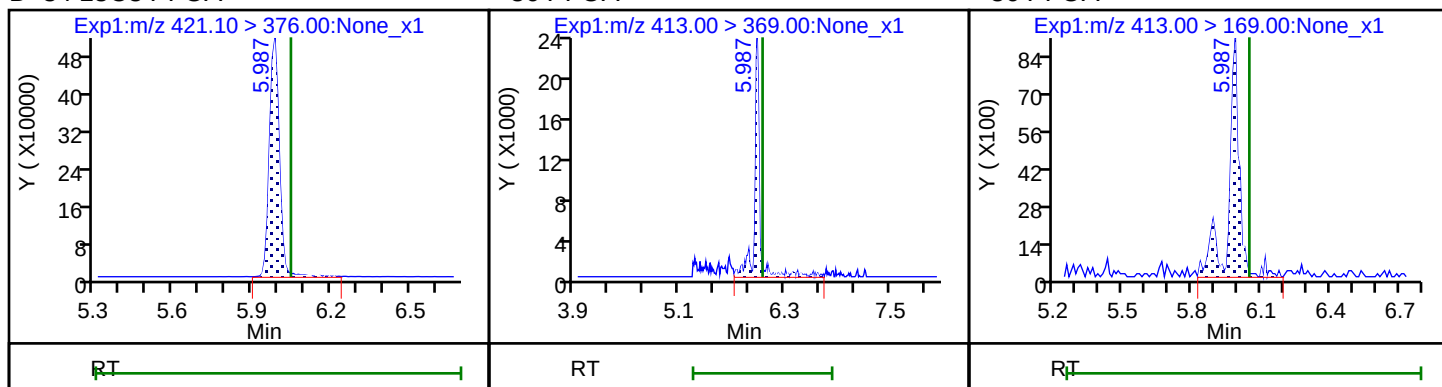
* 35 13C4 PFOA



D 34 13C8 PFOA

36 PFOA

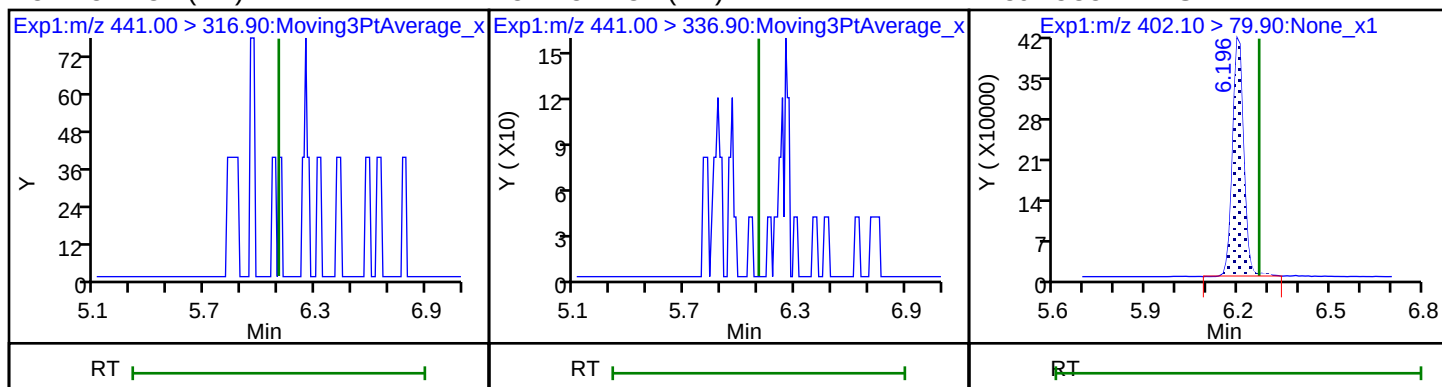
36 PFOA



37 7:3 FTCA (ND)

37 7:3 FTCA (ND)

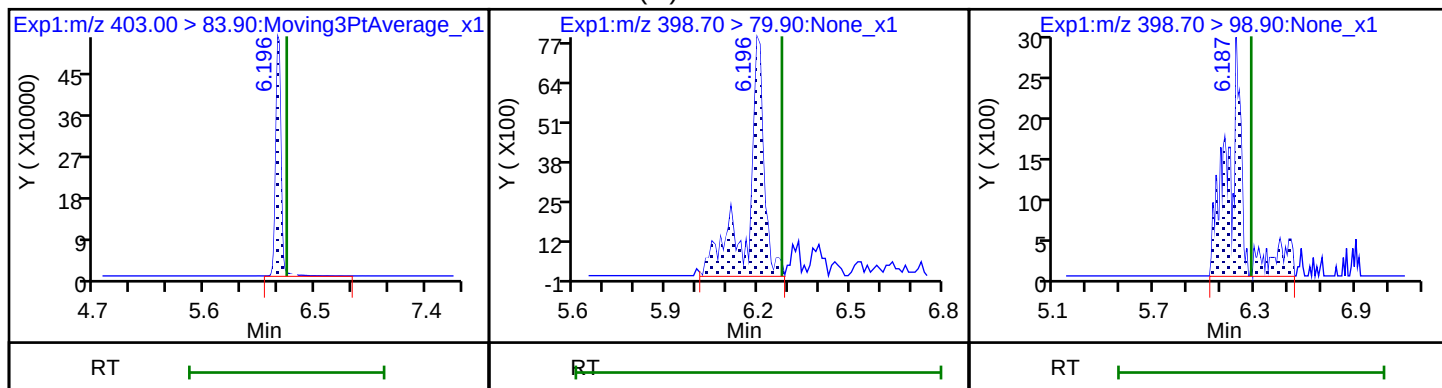
D 39 13C3 PFHxS

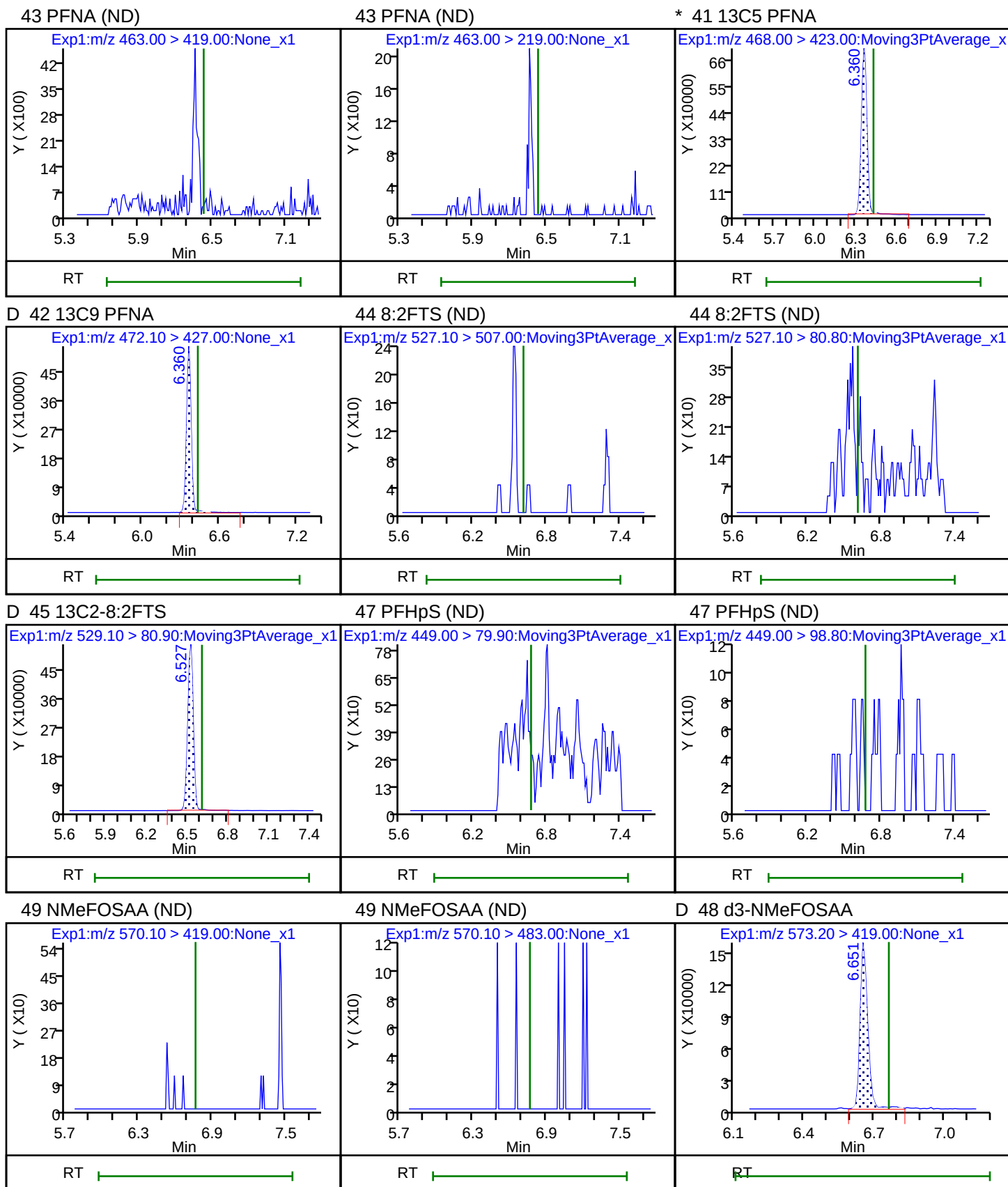


* 38 18O2 PFHxS

40 PFHxS (M)

40 PFHxS

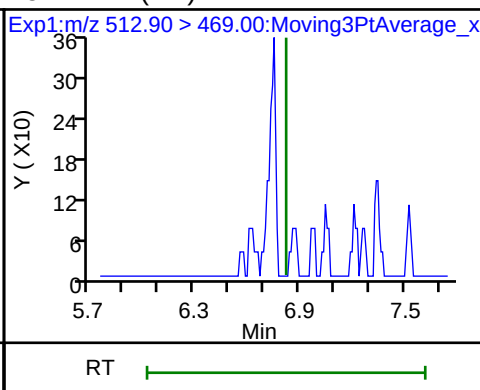
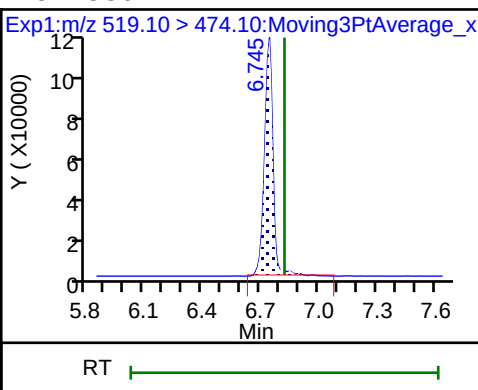
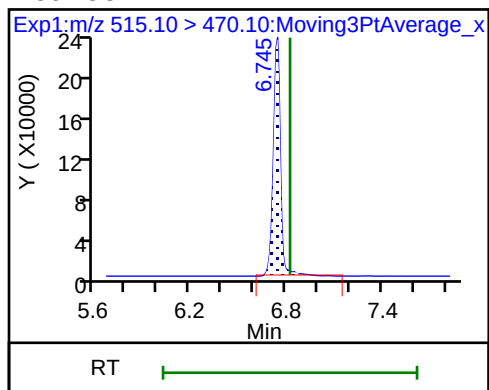




* 50 13C2 PFDA

D 51 13C6 PFDA

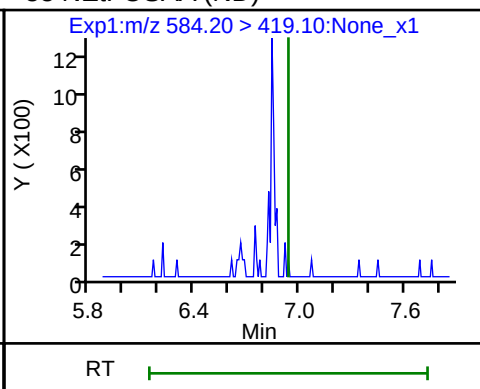
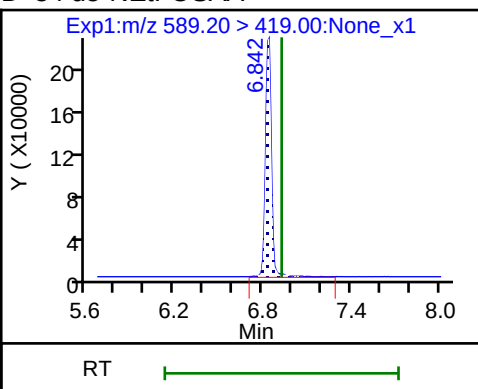
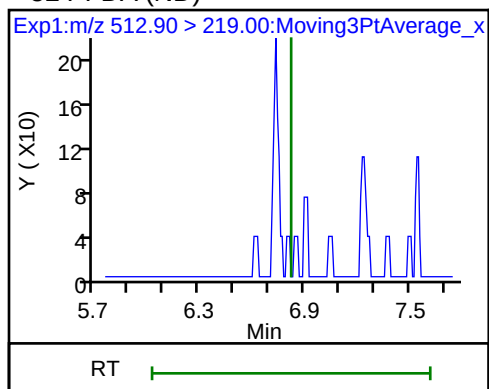
52 PFDA (ND)



52 PFDA (ND)

D 54 d5-NEtFOSAA

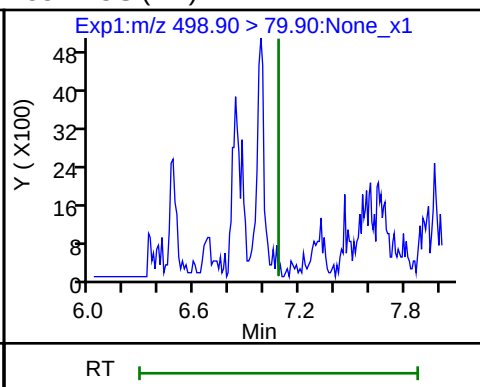
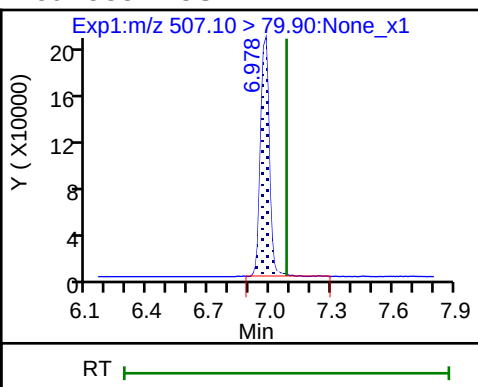
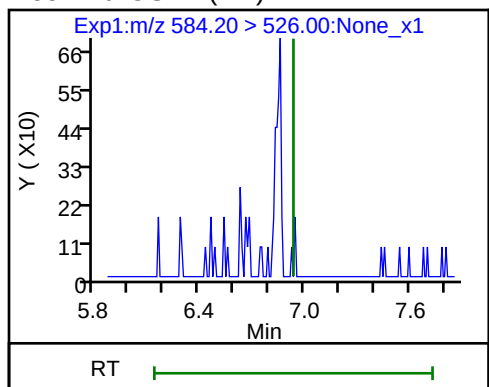
55 NEtFOSAA (ND)



55 NEtFOSAA (ND)

D 56 13C8 PFOS

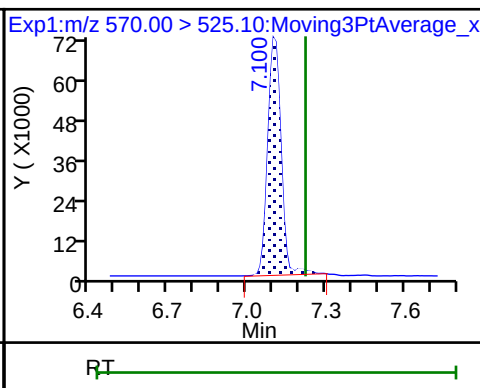
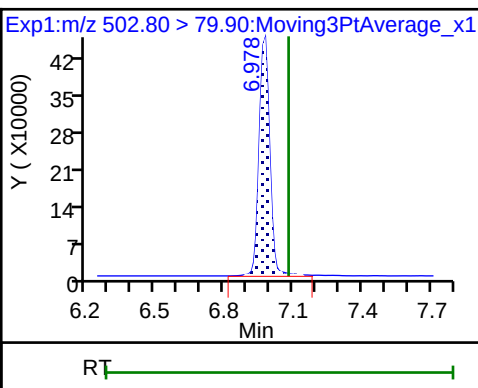
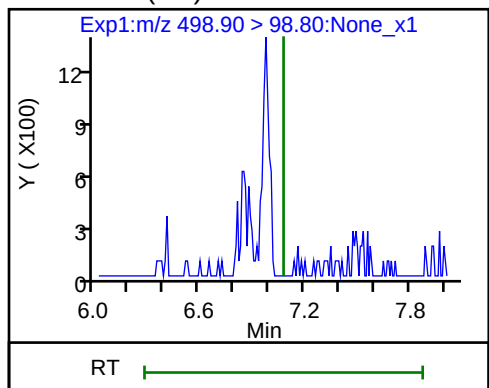
58 PFOS (ND)

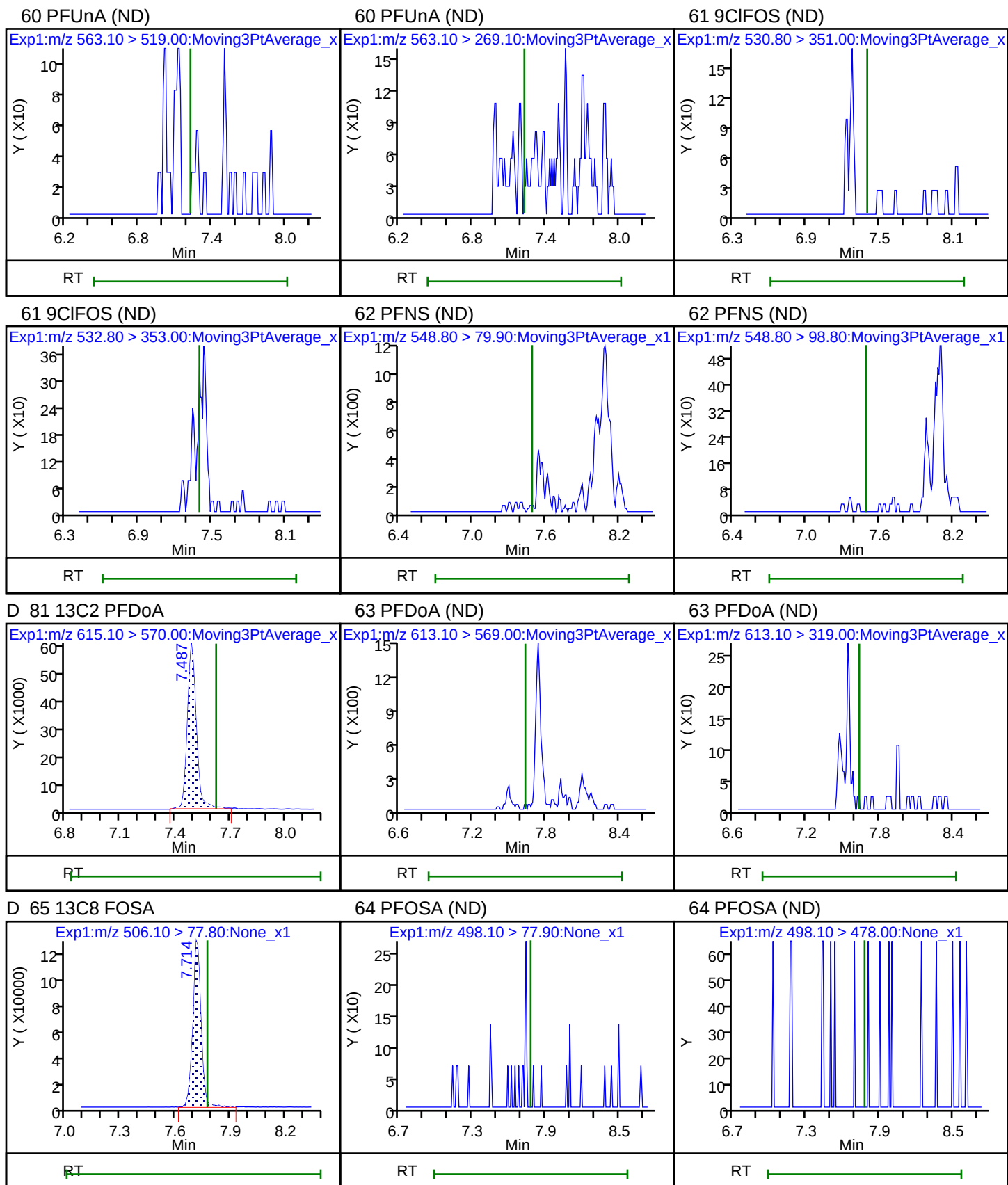


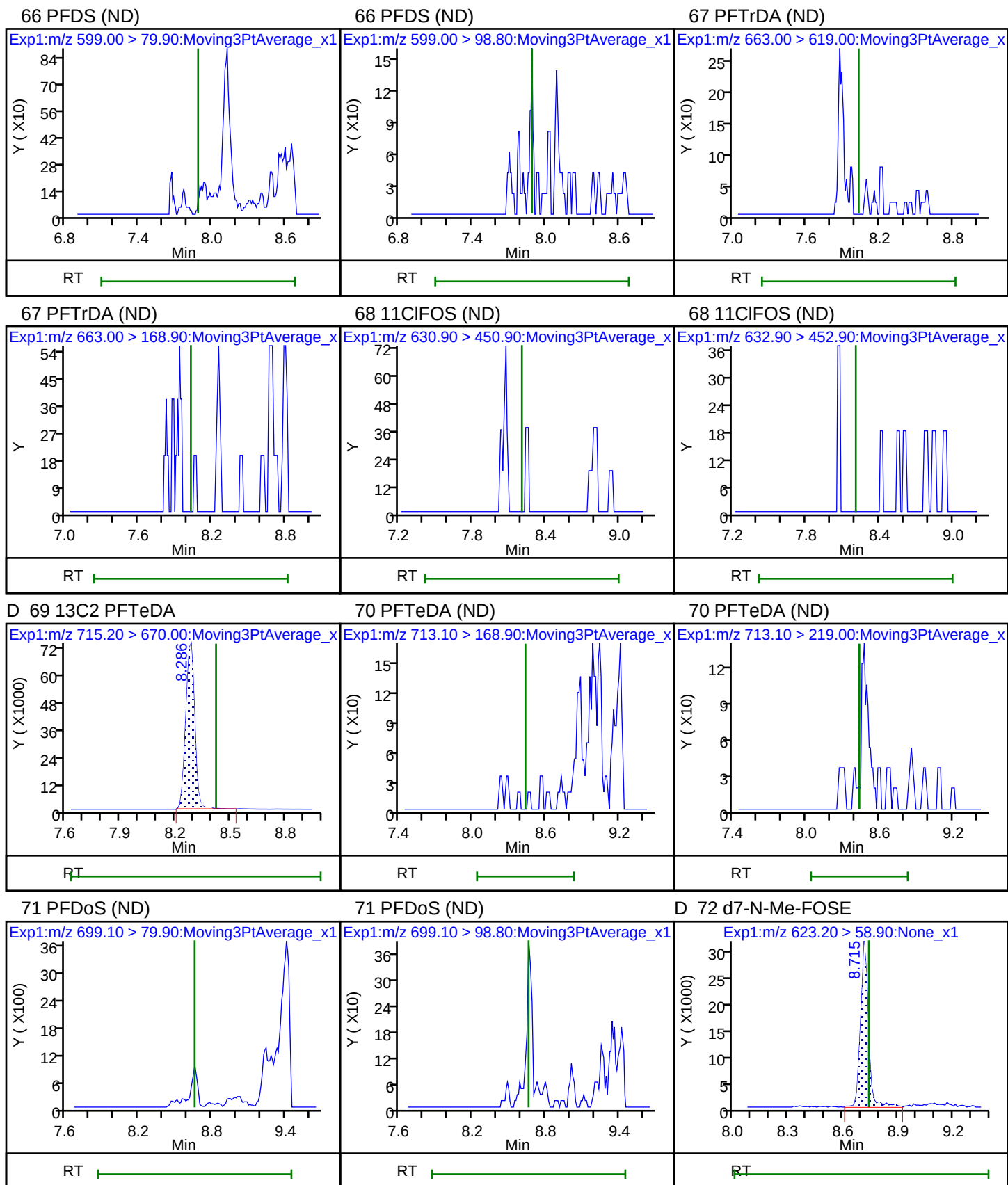
58 PFOS (ND)

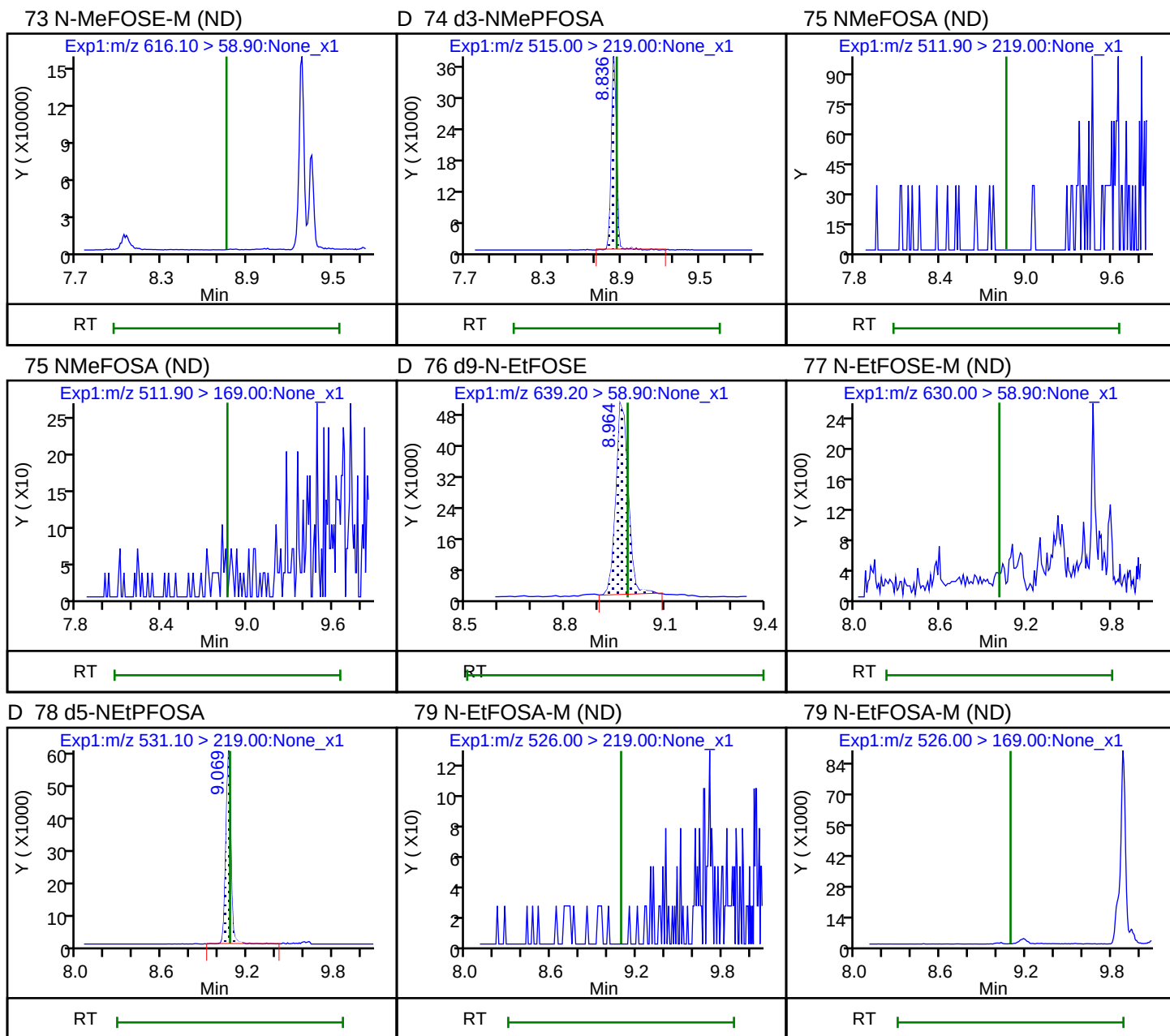
* 57 13C4 PFOS

D 59 13C7 PFUnA









Eurofins Lancaster Laboratories Environment Testing, LLC

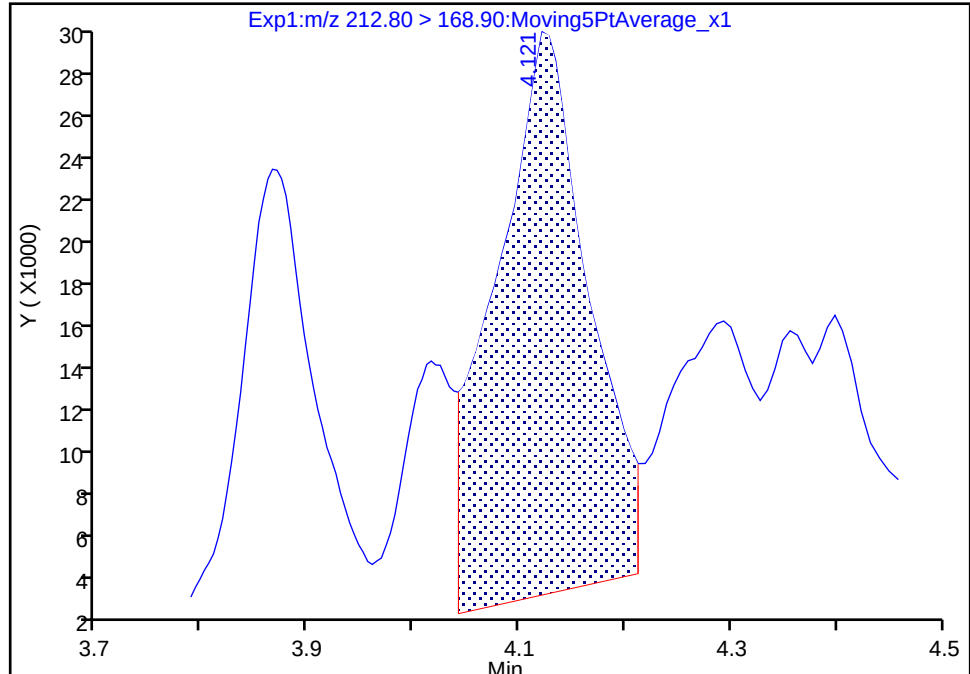
Data File: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\25DEC01E-17.d
Injection Date: 01-Dec-2025 19:37:28 Instrument ID: 30570
Lims ID: 410-254628-A-1-B Lab Sample ID: 410-254628-1
Client ID: MH-11212025
Operator ID: ETUS023_USR_INS00003 ALS Bottle#: 25 Worklist Smp#: 41
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Method: 30570-1633-125ml Limit Group: LC - 1633 LVI- ICAL
Column: Detector EXP1

5 PFBA, CAS: 375-22-4

Signal: 1

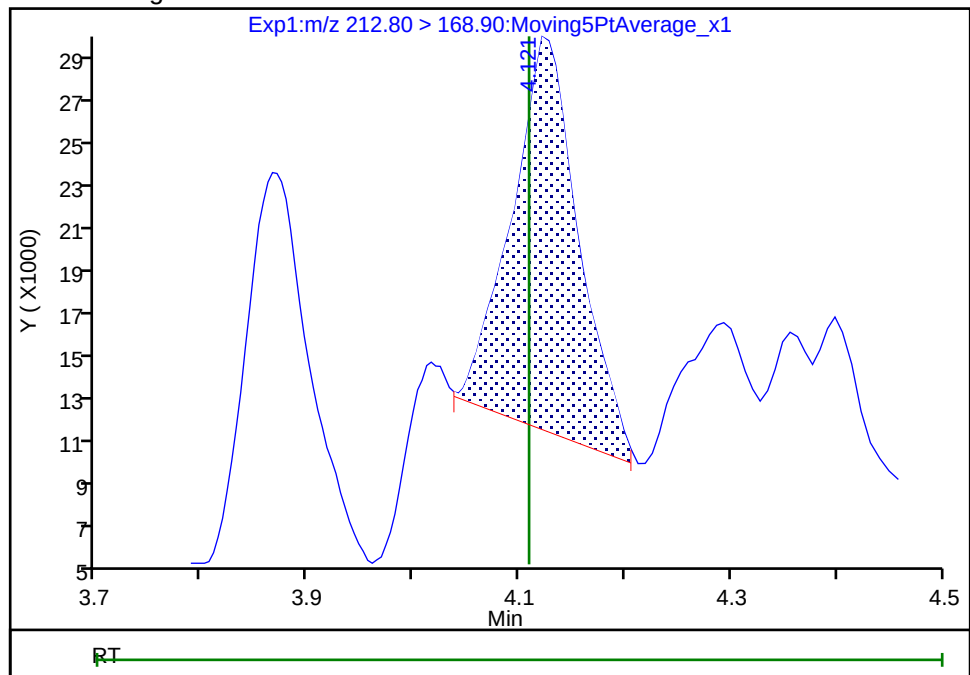
RT: 4.12
Area: 155042
Amount: 0.551404
Amount Units: ng/ml

Processing Integration Results



RT: 4.12
Area: 79894
Amount: 0.284142
Amount Units: ng/ml

Manual Integration Results



Reviewer: MC7V, 02-Dec-2025 07:26:26 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC

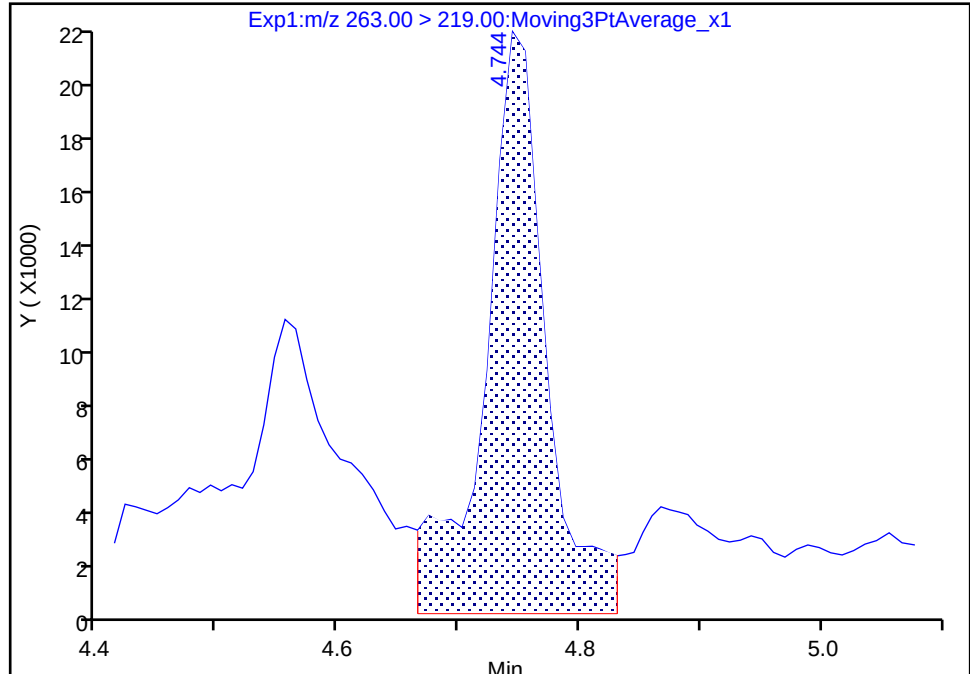
Data File: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\25DEC01E-17.d
Injection Date: 01-Dec-2025 19:37:28 Instrument ID: 30570
Lims ID: 410-254628-A-1-B Lab Sample ID: 410-254628-1
Client ID: MH-11212025
Operator ID: ETUS023_USR_INS00003 ALS Bottle#: 25 Worklist Smp#: 41
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Method: 30570-1633-125ml Limit Group: LC - 1633 LVI- ICAL
Column: Detector EXP1

9 PFPA, CAS: 2706-90-3

Signal: 1

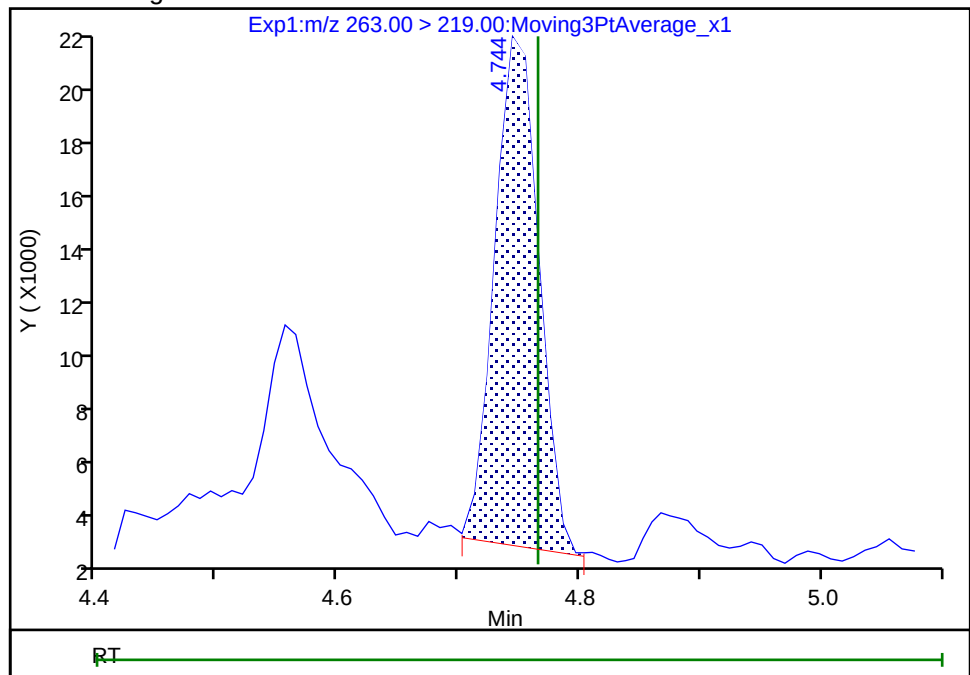
RT: 4.74
Area: 74684
Amount: 0.166634
Amount Units: ng/ml

Processing Integration Results



RT: 4.74
Area: 46884
Amount: 0.104607
Amount Units: ng/ml

Manual Integration Results



Reviewer: MC7V, 02-Dec-2025 07:26:38 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC

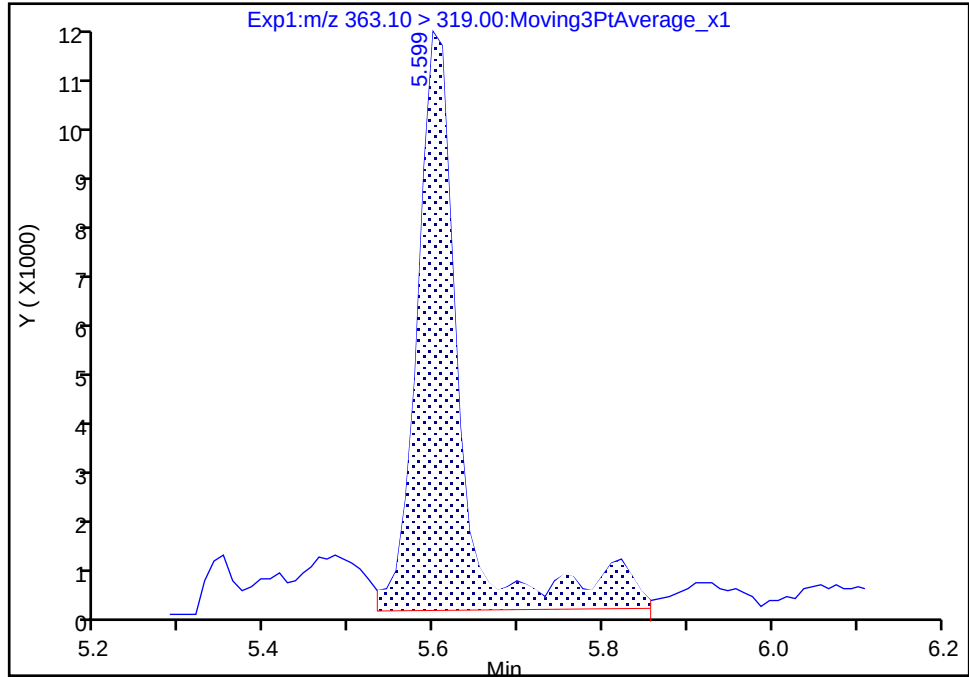
Data File: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\25DEC01E-17.d
Injection Date: 01-Dec-2025 19:37:28 Instrument ID: 30570
Lims ID: 410-254628-A-1-B Lab Sample ID: 410-254628-1
Client ID: MH-11212025
Operator ID: ETUS023_USR_INS00003 ALS Bottle#: 25 Worklist Smp#: 41
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Method: 30570-1633-125ml Limit Group: LC - 1633 LVI- ICAL
Column: Detector EXP1

28 PFHpA, CAS: 375-85-9

Signal: 1

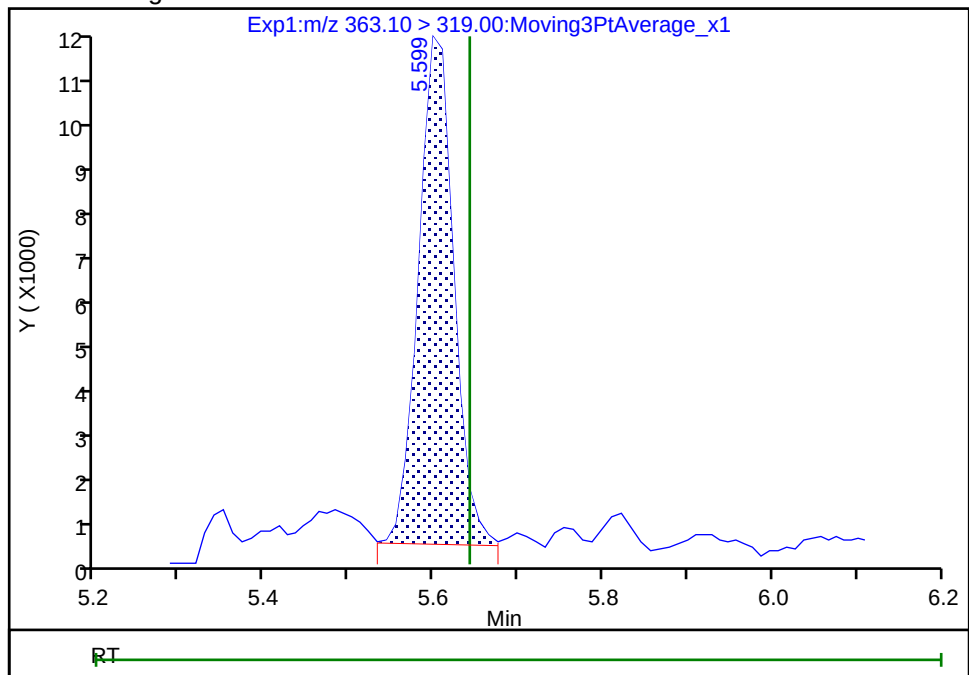
RT: 5.60
Area: 40098
Amount: 0.067412
Amount Units: ng/ml

Processing Integration Results



RT: 5.60
Area: 31375
Amount: 0.052747
Amount Units: ng/ml

Manual Integration Results



Reviewer: MC7V, 02-Dec-2025 07:28:03 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC

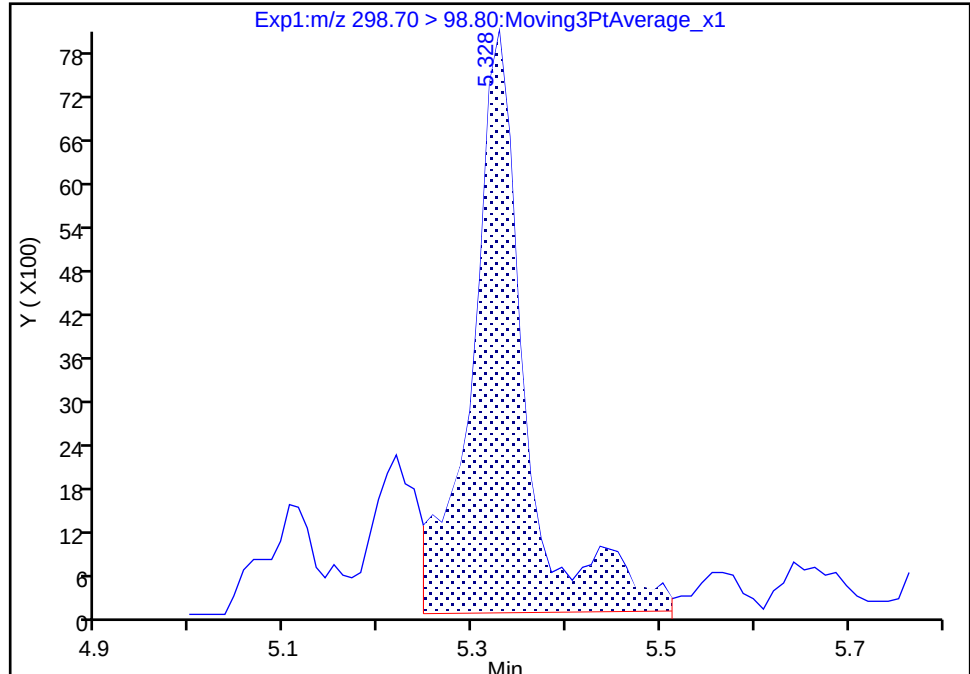
Data File: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\25DEC01E-17.d
Injection Date: 01-Dec-2025 19:37:28 Instrument ID: 30570
Lims ID: 410-254628-A-1-B Lab Sample ID: 410-254628-1
Client ID: MH-11212025
Operator ID: ETUS023_USR_INS00003 ALS Bottle#: 25 Worklist Smp#: 41
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Method: 30570-1633-125ml Limit Group: LC - 1633 LVI- ICAL
Column: Detector EXP1

19 PFBS, CAS: 375-73-5

Signal: 2

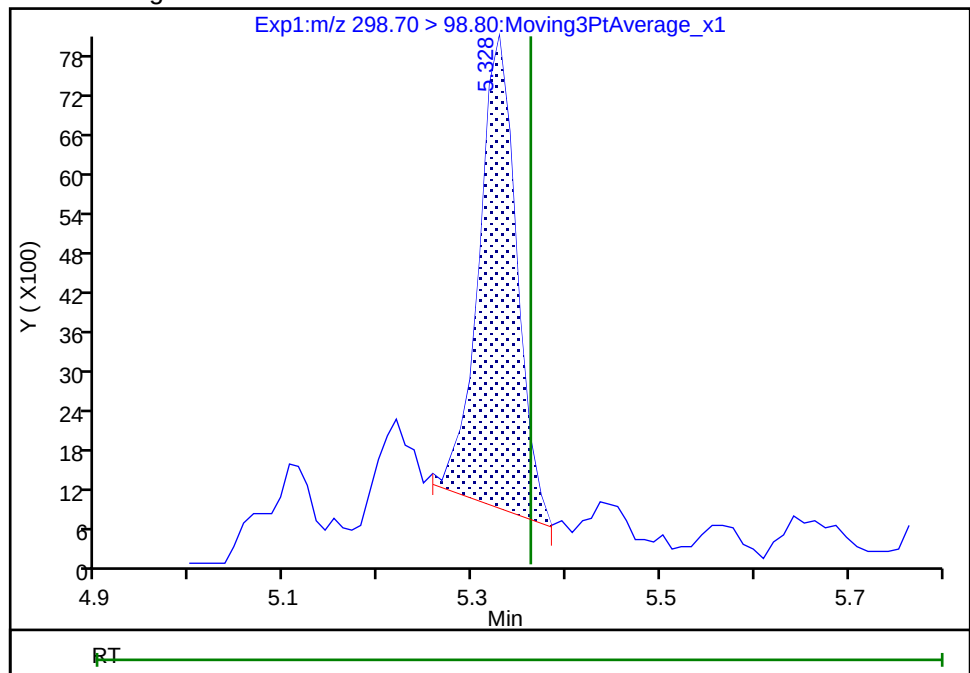
RT: 5.33
Area: 31624
Amount: 0.101461
Amount Units: ng/ml

Processing Integration Results



RT: 5.33
Area: 20233
Amount: 0.048140
Amount Units: ng/ml

Manual Integration Results



Reviewer: MC7V, 02-Dec-2025 07:27:07 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC

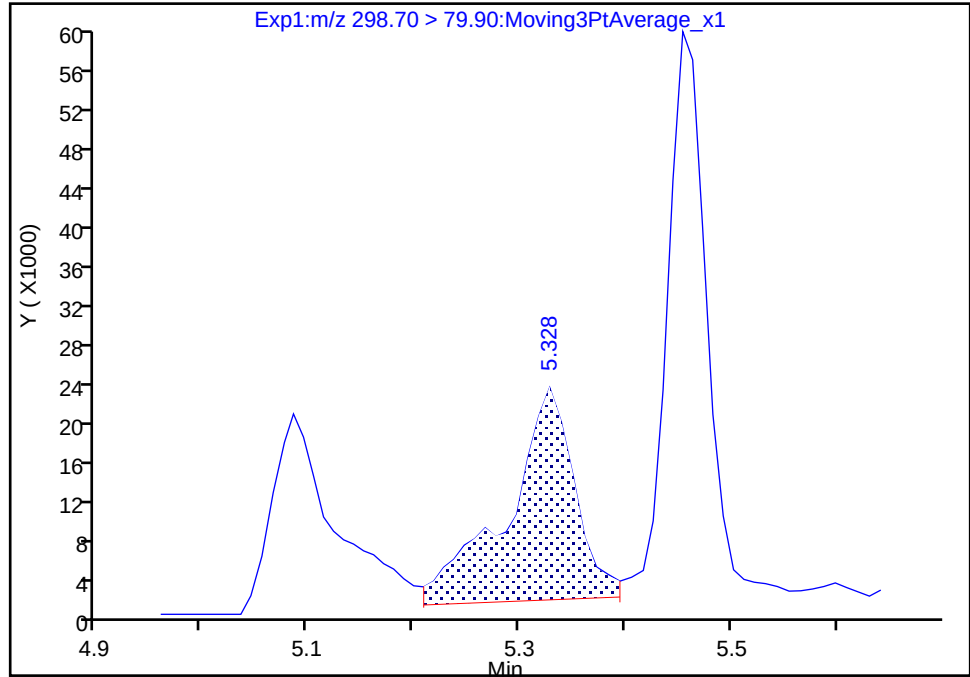
Data File: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\25DEC01E-17.d
Injection Date: 01-Dec-2025 19:37:28 Instrument ID: 30570
Lims ID: 410-254628-A-1-B Lab Sample ID: 410-254628-1
Client ID: MH-11212025
Operator ID: ETUS023_USR_INS00003 ALS Bottle#: 25 Worklist Smp#: 41
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Method: 30570-1633-125ml Limit Group: LC - 1633 LVI- ICAL
Column: Detector EXP1

19 PFBS, CAS: 375-73-5

Signal: 1

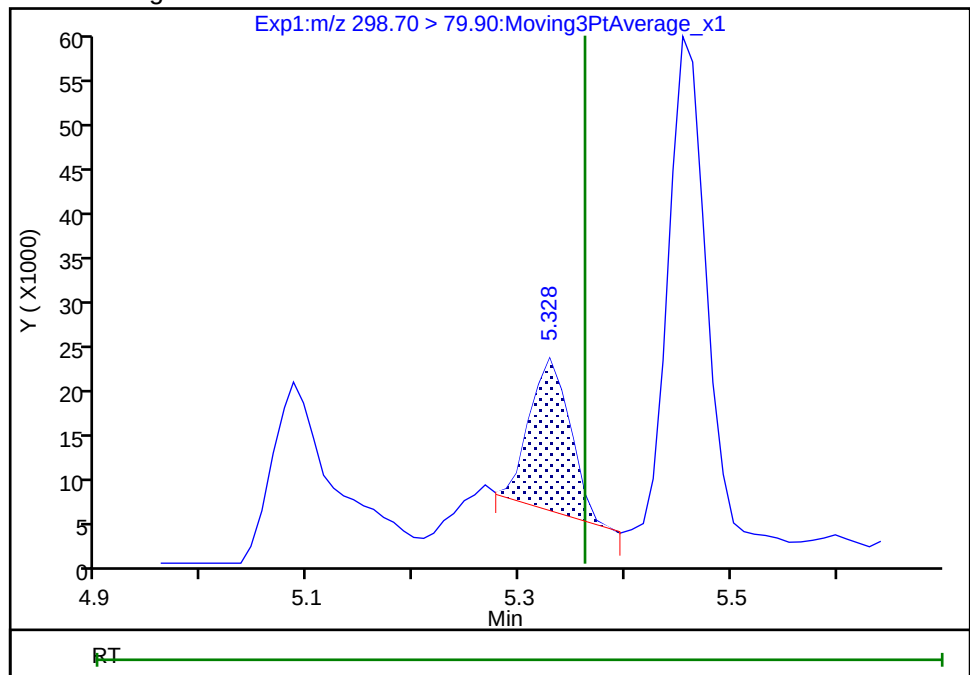
RT: 5.33
Area: 97045
Amount: 0.101461
Amount Units: ng/ml

Processing Integration Results



RT: 5.33
Area: 46045
Amount: 0.048140
Amount Units: ng/ml

Manual Integration Results



Reviewer: MC7V, 02-Dec-2025 07:27:37 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC

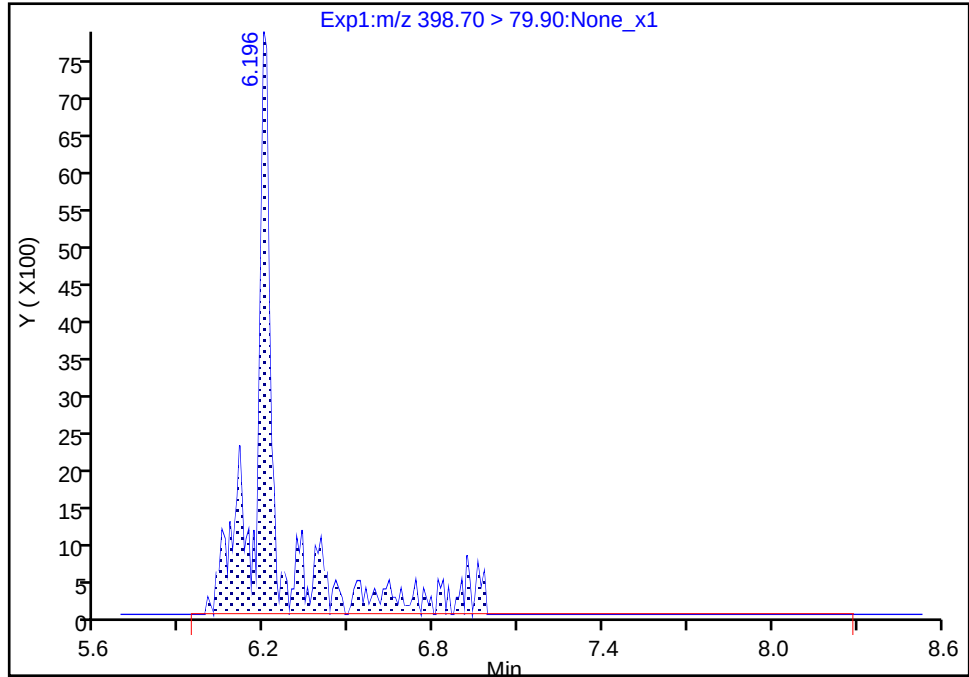
Data File: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\25DEC01E-17.d
Injection Date: 01-Dec-2025 19:37:28 Instrument ID: 30570
Lims ID: 410-254628-A-1-B Lab Sample ID: 410-254628-1
Client ID: MH-11212025
Operator ID: ETUS023_USR_INS00003 ALS Bottle#: 25 Worklist Smp#: 41
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Method: 30570-1633-125ml Limit Group: LC - 1633 LVI- ICAL
Column: Detector EXP1

40 PFHxS, CAS: 355-46-4

Signal: 1

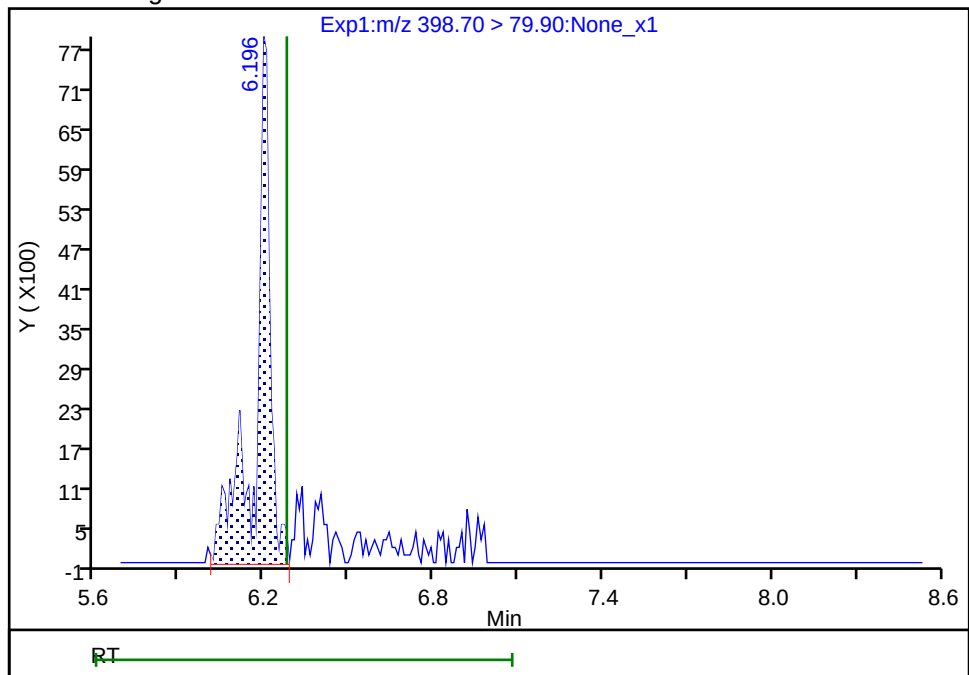
RT: 6.20
Area: 40855
Amount: 0.050175
Amount Units: ng/ml

Processing Integration Results



RT: 6.20
Area: 27564
Amount: 0.029108
Amount Units: ng/ml

Manual Integration Results



Reviewer: MC7V, 02-Dec-2025 07:28:22 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Baseline

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-254628-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: MH-11212025 RE Lab Sample ID: 410-254628-1 RE

Matrix: Water Lab File ID: 25DEC04JO-27.d

Analysis Method: 1633 Date Collected: 11/21/2025 09:48

Extraction Method: 1633 Date Extracted: 12/02/2025 09:22

Sample wt/vol: 12.5(mL) Date Analyzed: 12/05/2025 00:27

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.: 739075 Units: ng/L

Preparation Batch No.: 737578 Instrument ID: 30577

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
757124-72-4	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	ND		40	10
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		40	10
754-91-6	Perfluorooctanesulfonamide	ND		20	5.0
2355-31-9	NMeFOSAA	ND		20	5.0
356-02-5	3:3 FTCA	ND		40	10
914637-49-3	5:3 FTCA	ND		100	28

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL01893	13C5 PFPeA	115		40-130
STL02577	13C5 PFHxA	106		40-130
STL01056	13C8 FOSA	112		40-130
STL02118	d3-NMeFOSAA	99.6		40-170
STL02395	M2-4:2 FTS	188		40-200
STL02279	M2-6:2 FTS	143		40-200

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30577\20251204-168875.b\25DEC04JO-27.d
Lims ID: 410-254628-A-1-C
Client ID: MH-11212025
Sample Type: Client
Inject. Date: 05-Dec-2025 00:27:10 ALS Bottle#: 35 Worklist Smp#: 49
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: 410-254628-A-1-C
Misc. Info.: Plate: 1 Rack: 1 410-0168875-049
Operator ID: ETUS023_USR_INS00009 Instrument ID: 30577
Method: \\chromfs\Lancaster\ChromData\30577\20251204-168875.b\30577-1633-125.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 05-Dec-2025 02:58:38 Calib Date: 03-Dec-2025 17:33:28
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\25DEC03CAL-08.d
Column 1 : Det: EXP1
Process Host: CTX1687

First Level Reviewer: XBL5

Date: 05-Dec-2025 02:50:39

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 4 13C4-PFBA										
216.80 > 171.90	4.144	4.132	0.012	1.000	2145417	1.96		97.8	6342	
* 5 13C3PFBA										
216.00 > 172.00	4.144	4.138	0.006		2089737	2.00			2723	
D 8 13C5 PFPeA										
268.30 > 223.00	4.810	4.817	-0.007	0.913	1264741	2.30		115	4103	
D 11 13C2-4:2FTS										
329.10 > 80.90	5.086	5.085	0.001	0.808	2209633	8.83		188	1508	
D 15 13C5 PFHxA										
318.00 > 273.00	5.271	5.270	0.001	1.000	2434340	2.12		106	9040	
* 16 13C2 PFHxA										
315.10 > 270.00	5.271	5.270	0.001		5081436	5.00			4682	
17 PFHxA										7M
313.00 > 269.00	5.271	5.270	0.001	1.000	12308	0.0122	Target=10.34		23.2	7M
313.00 > 118.90	5.261	5.270	-0.009	0.998	1771		6.95(5.17-15.52)		16.3	
LOD = 0.0125										
D 19 13C3 PFBS										
302.10 > 79.90	5.391	5.400	-0.009	0.856	2488861	1.84		98.6	5944	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.455	5.454	0.001	1.035	1747302	2.00		99.9	6824	
D 28 13C4 PFHpA										
367.10 > 322.00	5.685	5.684	0.001	1.079	2546944	2.11		106	4740	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.888	5.887	0.001	0.935	1481533	6.81		143	4868	
* 34 13C4 PFOA										
417.10 > 372.00	6.085	6.093	-0.008		7863209	5.00			5004	
D 35 13C8 PFOA										
421.10 > 376.00	6.085	6.093	-0.008	1.000	3564590	2.21		110	6355	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
36 PFOA										7M
413.00 > 369.00	6.085	6.093	-0.008	1.000	11074	0.0108	Target=1.59		18.6	7M
413.00 > 169.00	6.076	6.093	-0.017	0.999	4907		2.26(0.80-2.39)		9.9	
LOD = 0.0125										
D 38 13C3 PFHxS										
402.10 > 79.90	6.297	6.306	-0.009	1.000	2065831	1.88		98.9	4478	
* 39 18O2 PFHxS										
403.00 > 83.90	6.297	6.315	-0.018		2085252	1.90			5791	
* 42 13C5 PFNA										
468.00 > 423.00	6.481	6.488	-0.007		2796085	2.00			5310	
D 41 13C9 PFNA										
472.10 > 427.00	6.481	6.488	-0.007	1.000	2782757	2.03		102	6751	
D 44 13C2-8:2FTS										
529.10 > 80.90	6.657	6.676	-0.019	1.057	1197044	5.89		123	3686	
D 49 d3-NMeFOSAA										
573.20 > 419.00	6.826	6.843	-0.017	0.957	1685877	4.98		99.6	3807	
D 52 13C6 PFDA										
519.10 > 474.10	6.883	6.899	-0.016	1.000	2523970	1.82		91.1	5505	
* 51 13C2 PFDA										
515.10 > 470.10	6.883	6.899	-0.016		2717123	2.00			5183	
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.008	7.016	-0.008	0.983	1478889	4.94		98.9	4259	
D 56 13C8 PFOS										
507.10 > 79.90	7.123	7.148	-0.025	0.999	1511571	1.86		97.1	1856	
* 57 13C4 PFOS										
502.80 > 79.90	7.132	7.148	-0.016		1551628	1.92			5050	
D 59 13C7 PFUnA										
570.00 > 525.10	7.284	7.301	-0.017	1.058	2777900	1.84		91.8	5326	
D 81 PFDaA										
615.10 > 570.00	7.680	7.697	-0.017	1.116	2542533	1.83		91.7	5251	
D 65 13C8 FOSA										
506.10 > 77.80	7.955	7.964	-0.009	1.115	2126682	2.24		112	3463	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.447	8.474	-0.027	1.227	1168893	1.35		67.7	4339	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.825	8.833	-0.008	1.237	162038	2.34		46.8	311	
D 75 d3-NMePFOSA										
515.00 > 219.00	8.943	8.941	0.002	1.254	411016	1.50		75.0	3814	
D 76 d9-N-EtFOSE										
639.20 > 58.90	9.067	9.065	0.002	1.271	205861	2.50		50.0	538	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.151	9.163	-0.012	1.283	467855	1.41		70.6	2243	

[QC Flag Legend](#)

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

[Reagents:](#)

1633_125_IS_V_00511

Amount Added: 50.00

Units: uL

Data File: \\chromfs\Lancaster\ChromData\30577\20251204-168875.b\25DEC04JO-27.d

Injection Date: 05-Dec-2025 00:27:10

Instrument ID: 30577

Lims ID: 410-254628-A-1-C

Lab Sample ID: 410-254628-1

Client ID: MH-11212025

Operator ID: ETUS023_USR_INS00009

ALS Bottle#: 35

Worklist Smp#: 49

Injection Vol: 7.0 ul

Dil. Factor: 1.0000

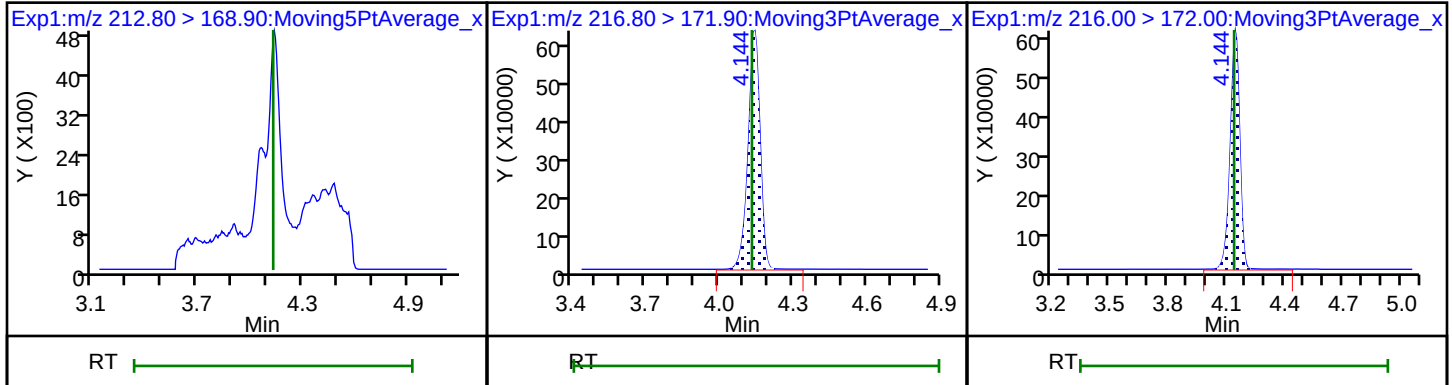
Method: 30577-1633-125

Limit Group: LC - 1633 LVI- ICAL

3 PFBA (ND)

D 4 13C4-PFBA

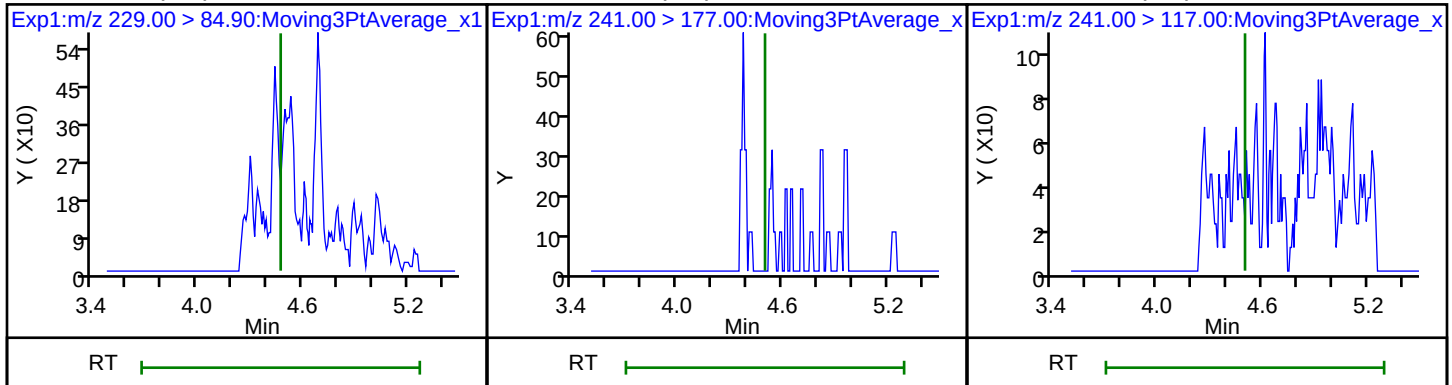
* 5 13C3PFBA



6 PFMPA (ND)

7 3:3 FTCA (ND)

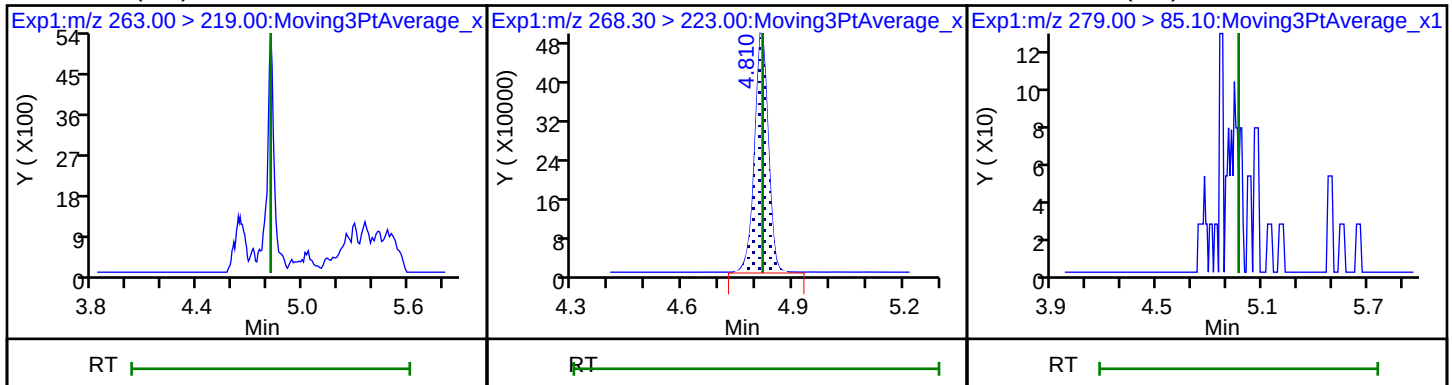
7 3:3 FTCA (ND)



9 PFPA (ND)

D 8 13C5 PFPeA

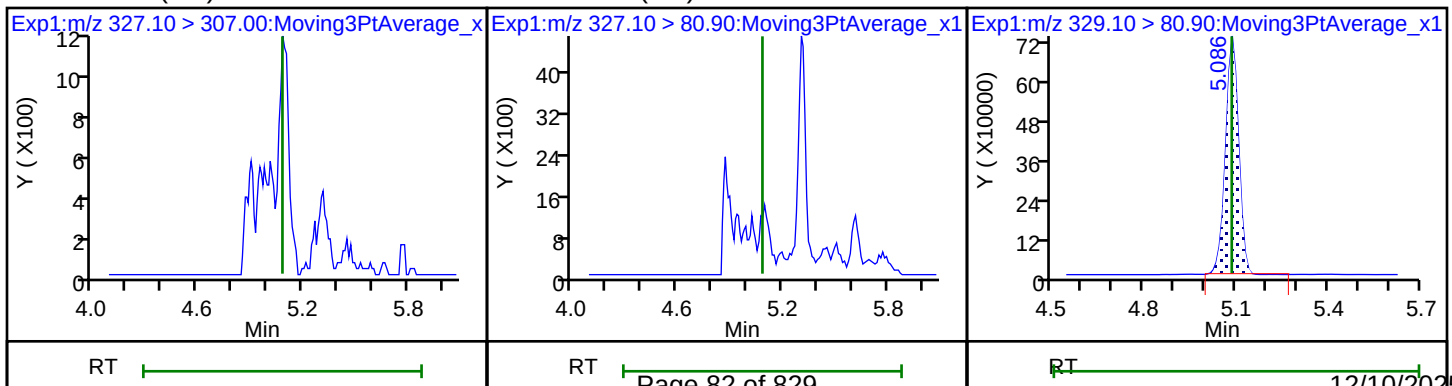
10 PFMBBA (ND)

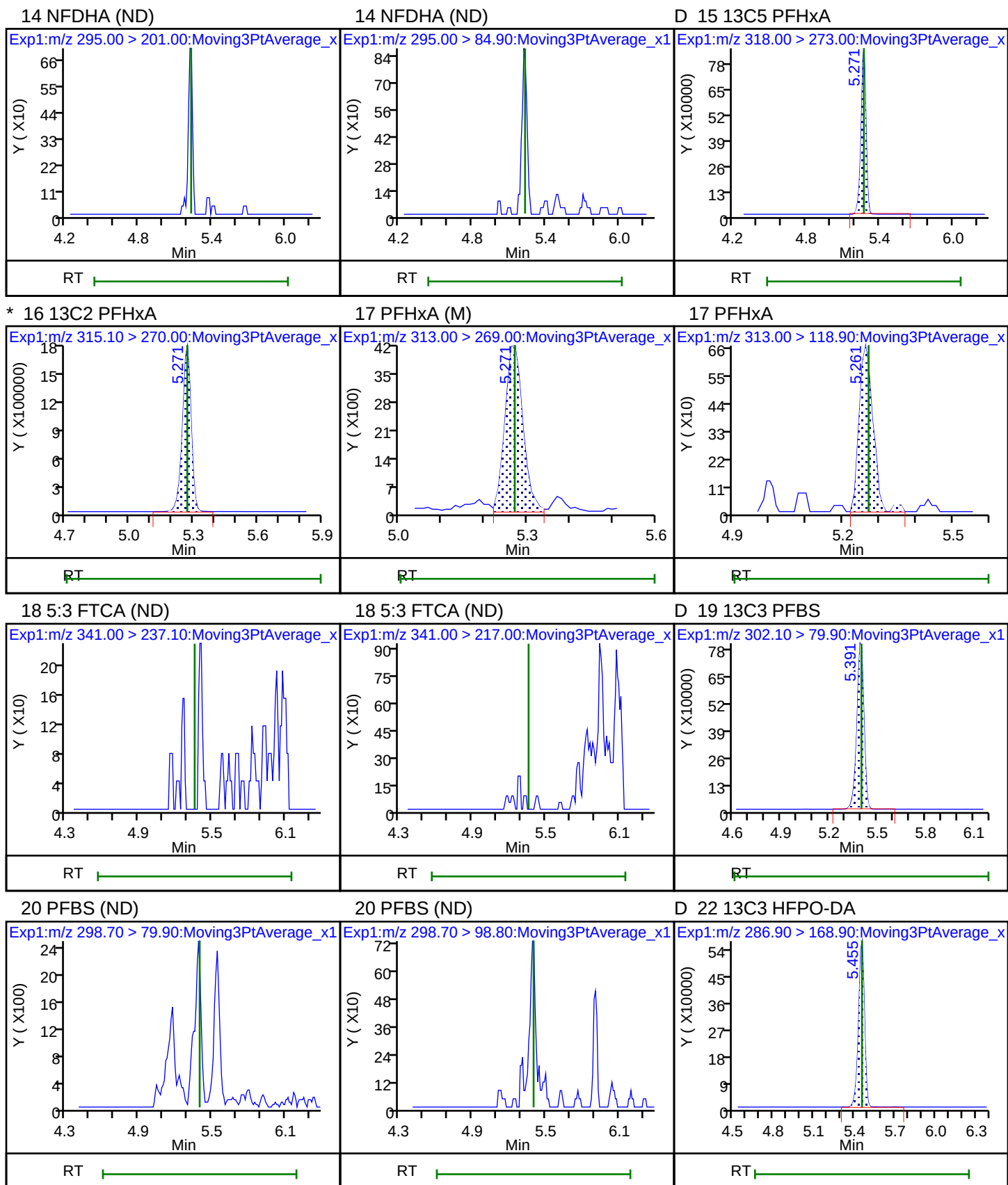


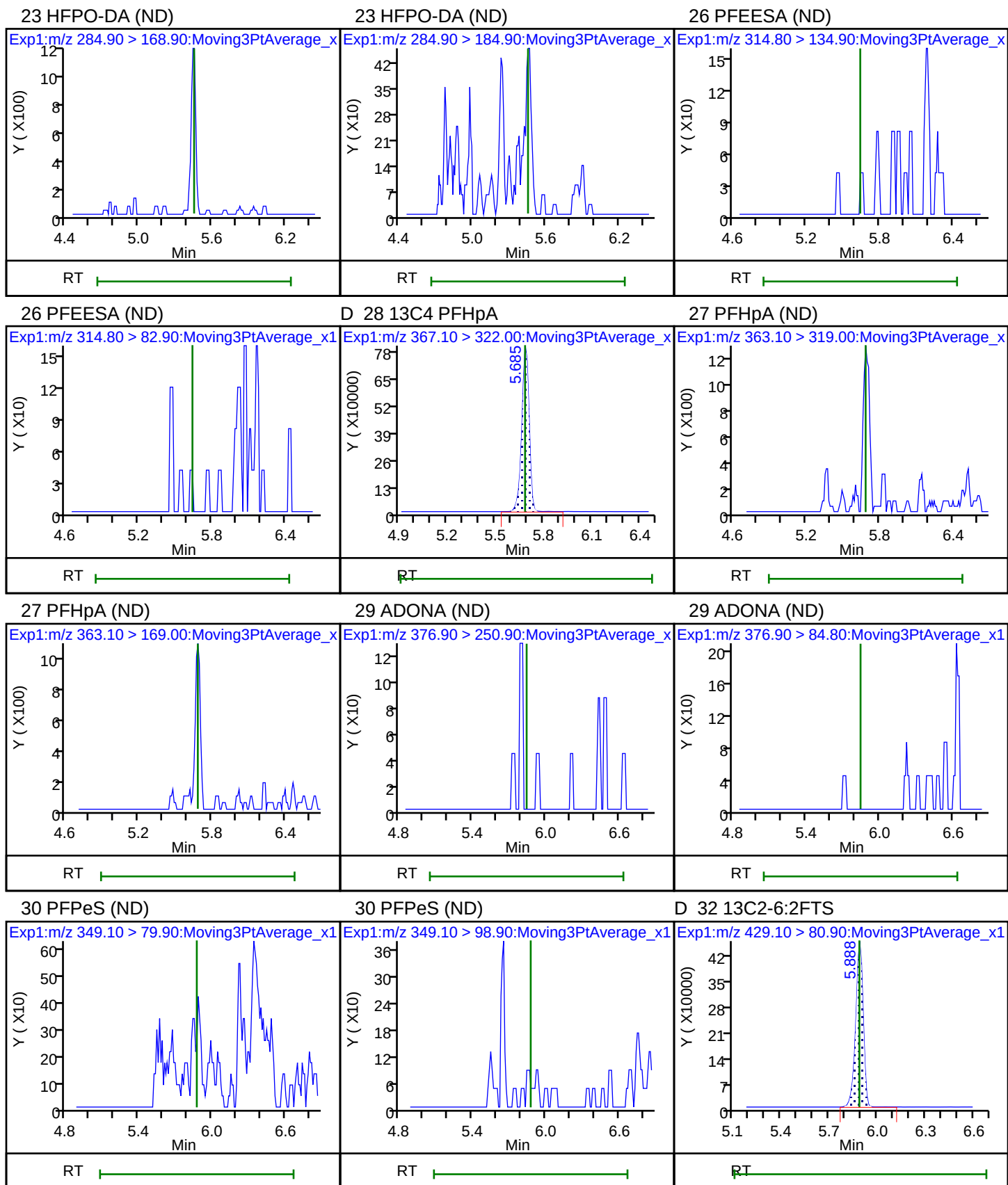
12 4:2FTS (ND)

12 4:2FTS (ND)

D 11 13C2-4:2FTS



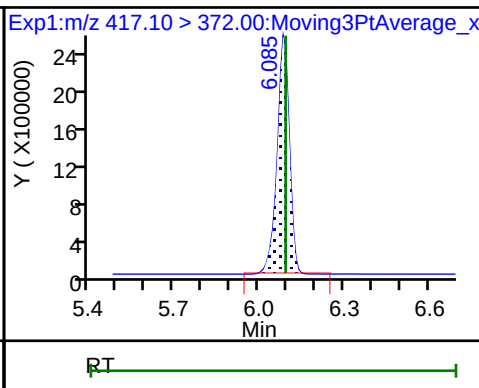
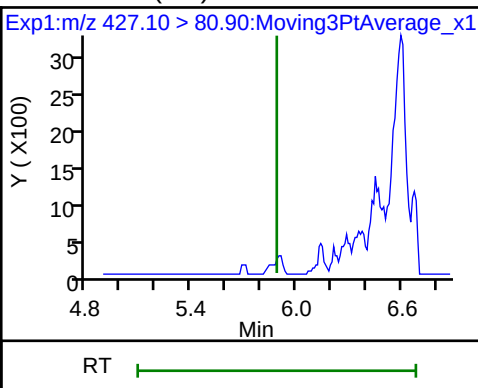
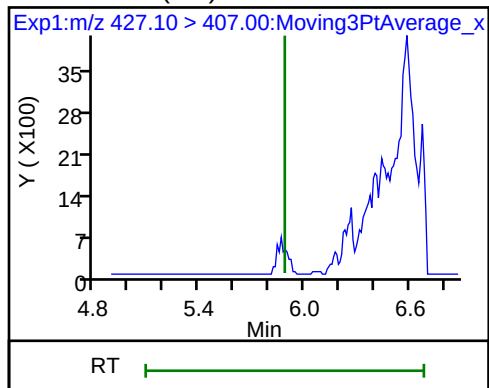




31 6:2FTS (ND)

31 6:2FTS (ND)

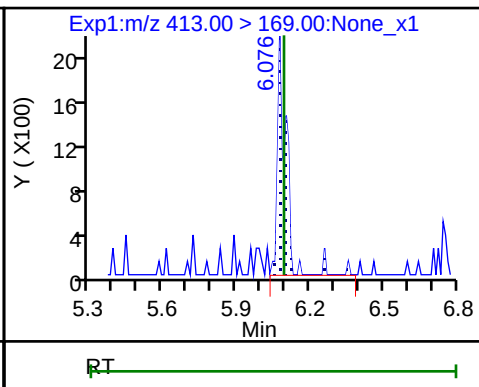
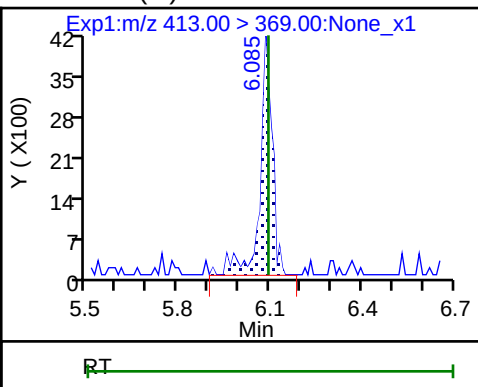
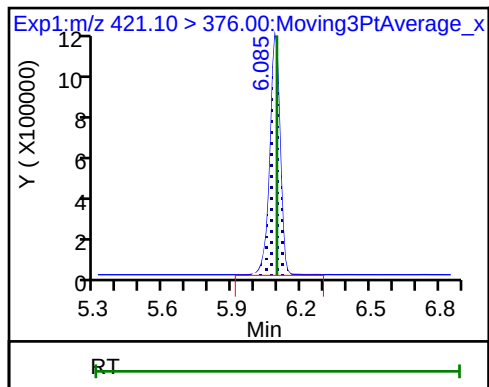
* 34 13C4 PFOA



D 35 13C8 PFOA

36 PFOA (M)

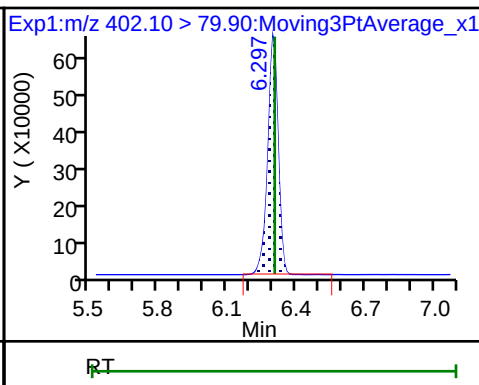
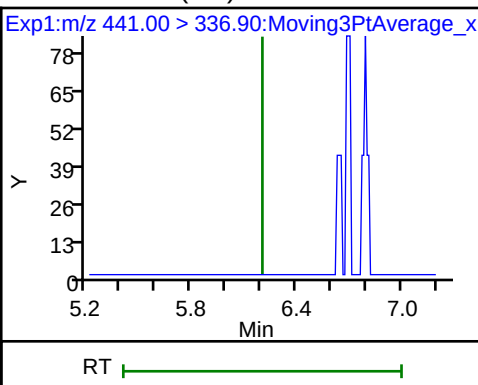
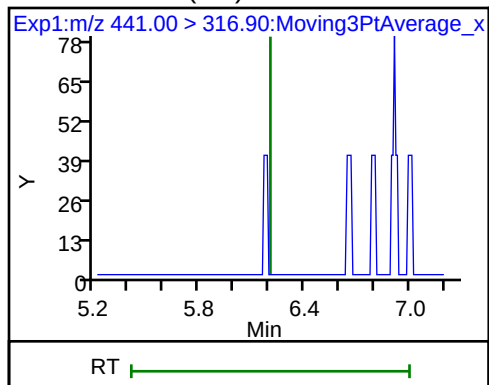
36 PFOA



37 7:3 FTCA (ND)

37 7:3 FTCA (ND)

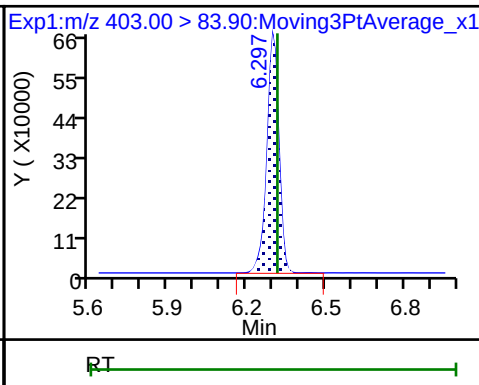
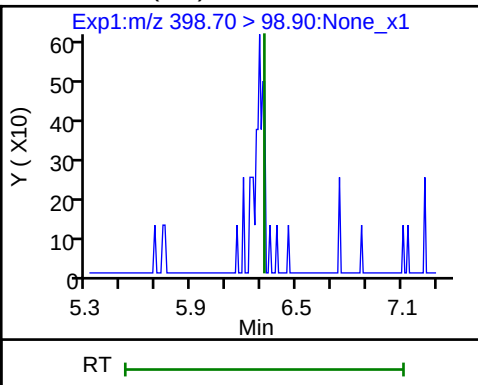
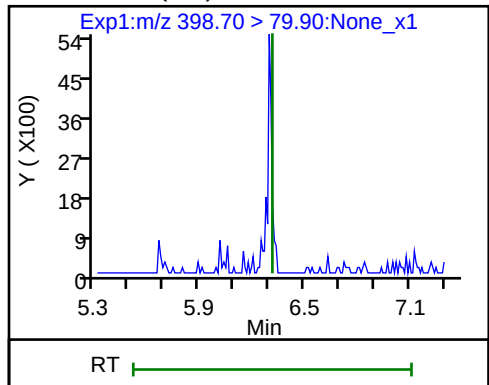
D 38 13C3 PFHxS



40 PFHxS (ND)

40 PFHxS (ND)

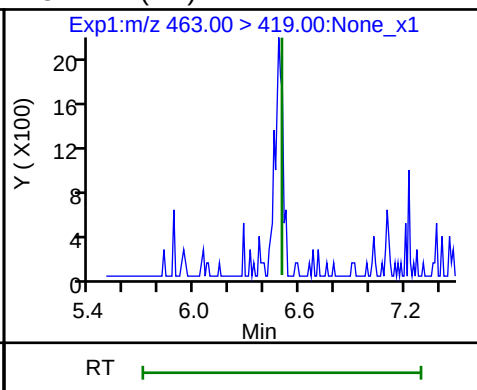
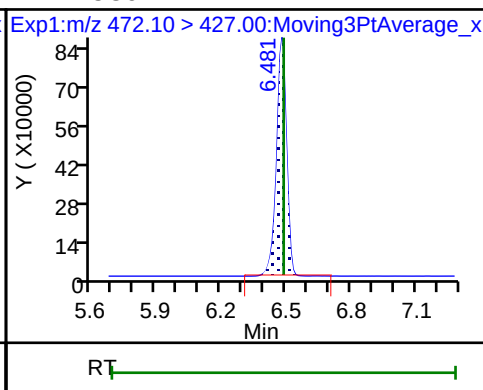
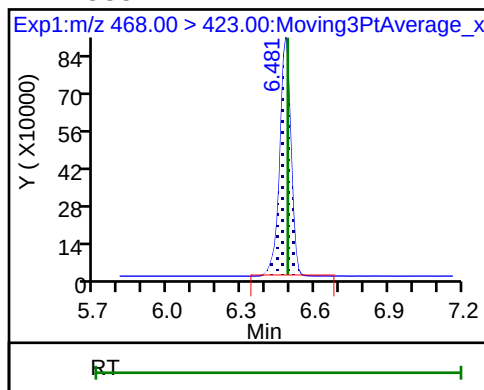
* 39 18O2 PFHxS



* 42 13C5 PFNA

D 41 13C9 PFNA

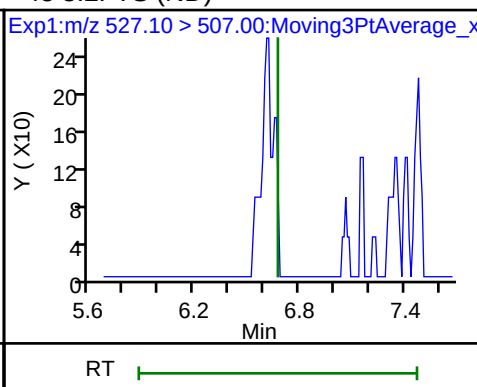
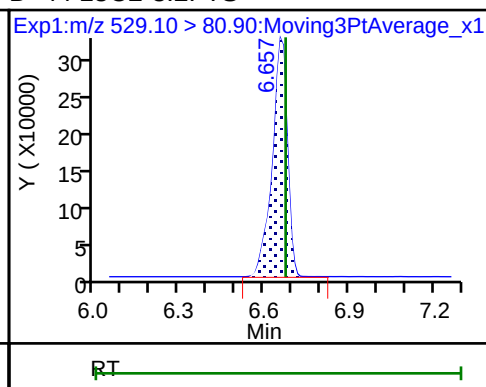
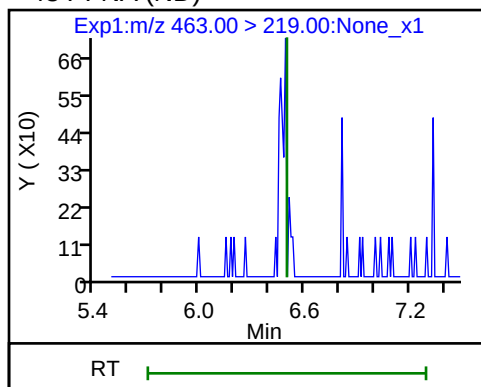
43 PFNA (ND)



43 PFNA (ND)

D 44 13C2-8:2FTS

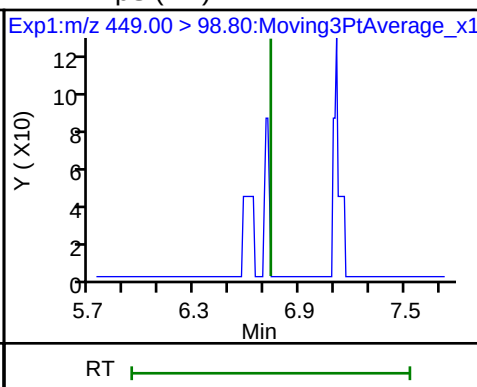
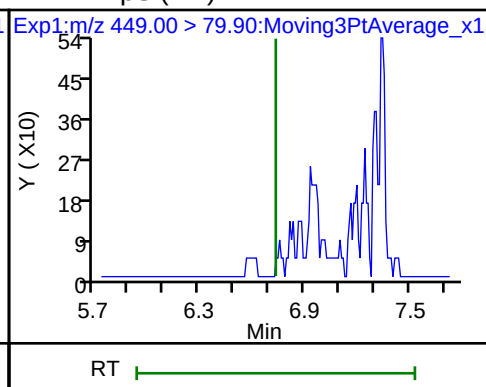
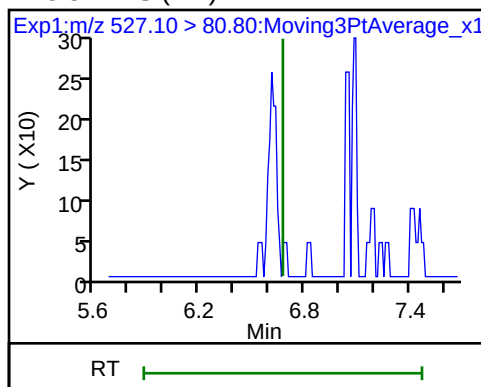
45 8:2FTS (ND)



45 8:2FTS (ND)

47 PFHpS (ND)

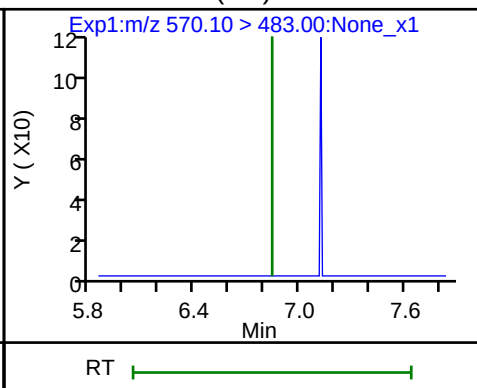
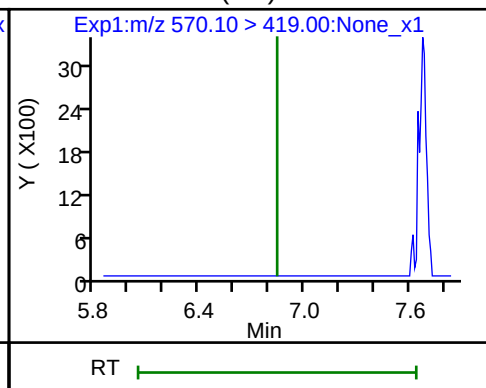
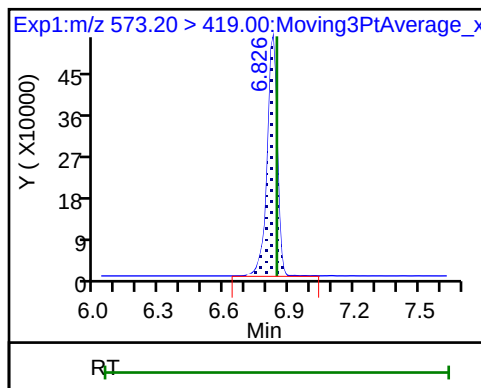
47 PFHpS (ND)



D 49 d3-NMeFOSAA

50 NMeFOSAA (ND)

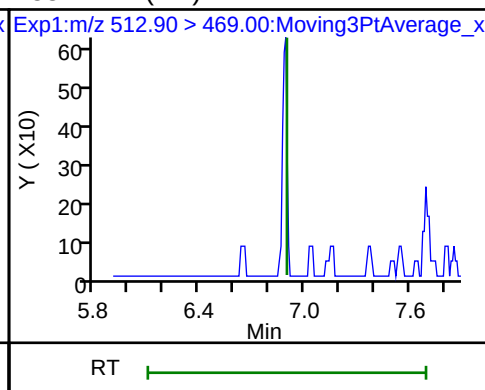
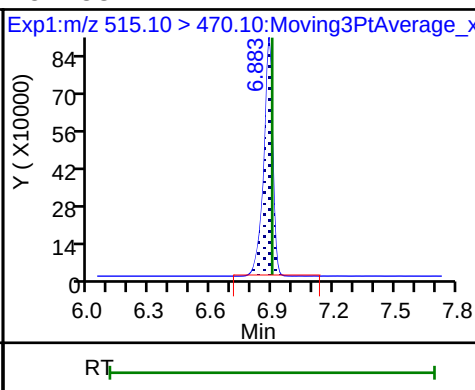
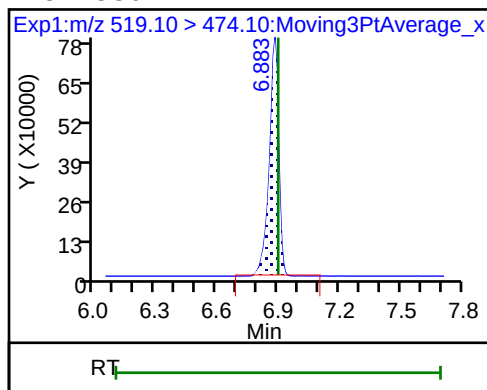
50 NMeFOSAA (ND)



D 52 13C6 PFDA

* 51 13C2 PFDA

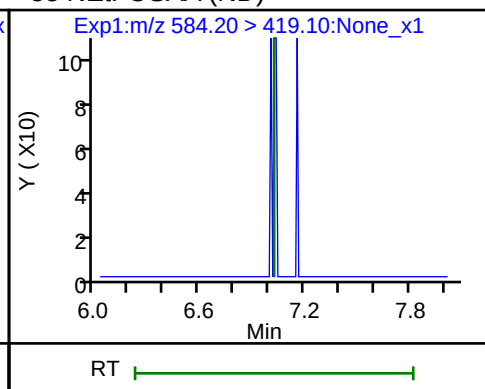
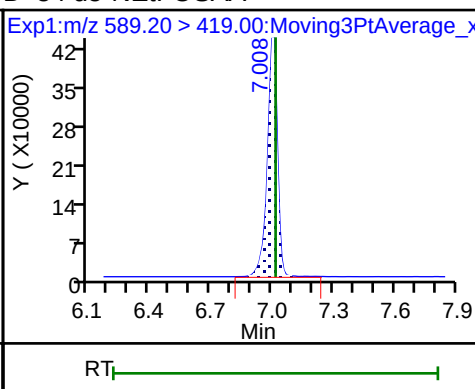
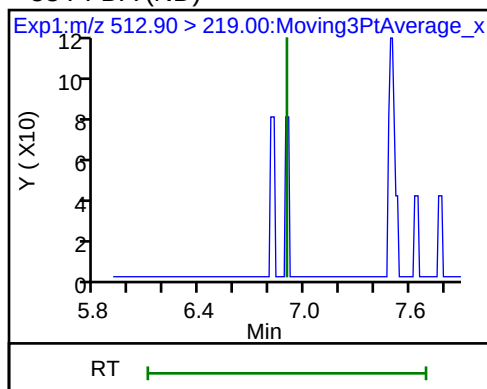
53 PFDA (ND)



53 PFDA (ND)

D 54 d5-NEtFOSAA

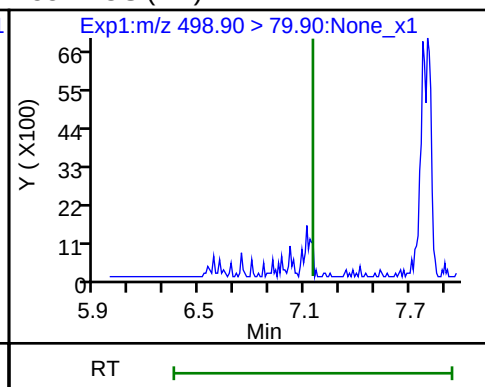
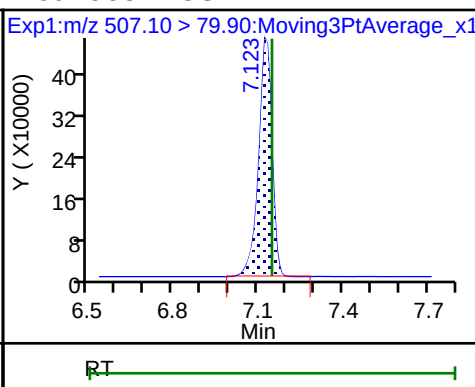
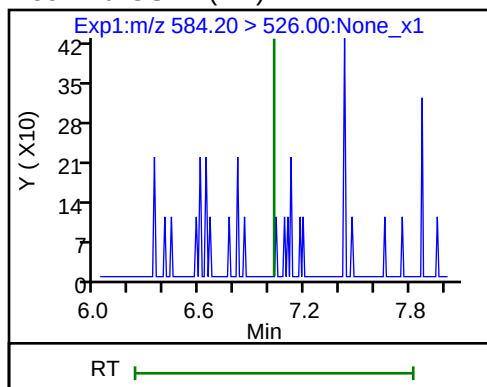
55 NEtFOSAA (ND)



55 NEtFOSAA (ND)

D 56 13C8 PFOS

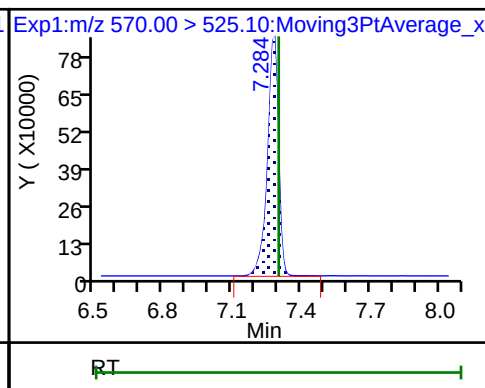
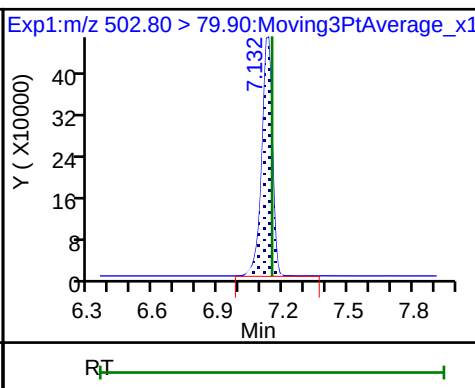
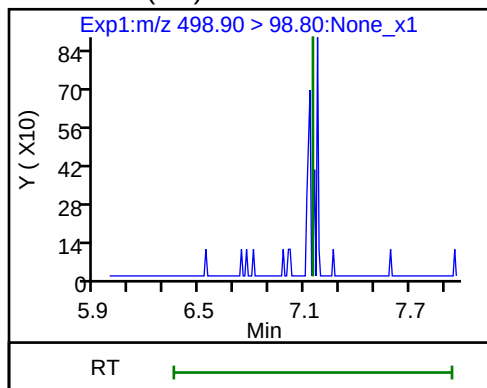
58 PFOS (ND)

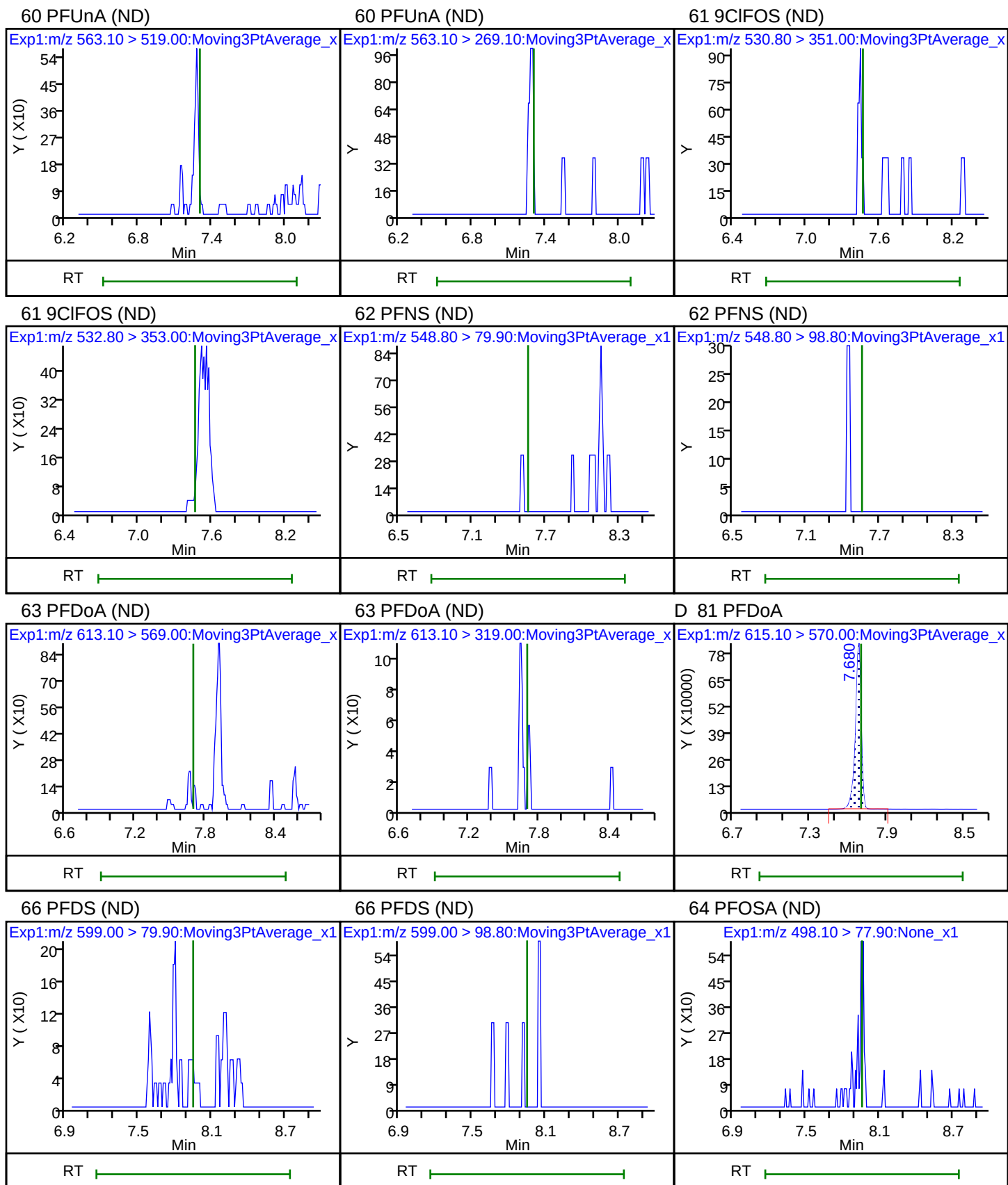


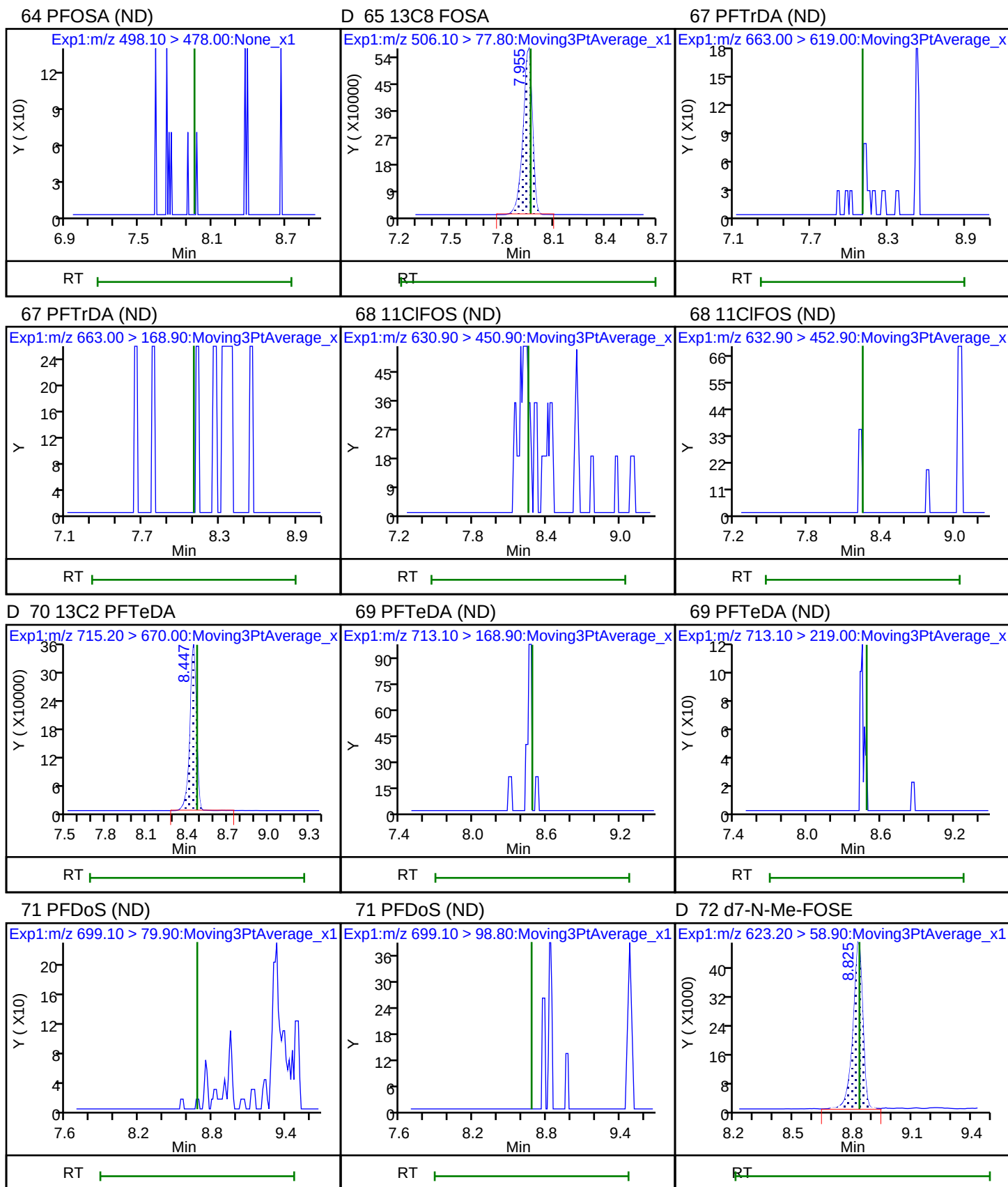
58 PFOS (ND)

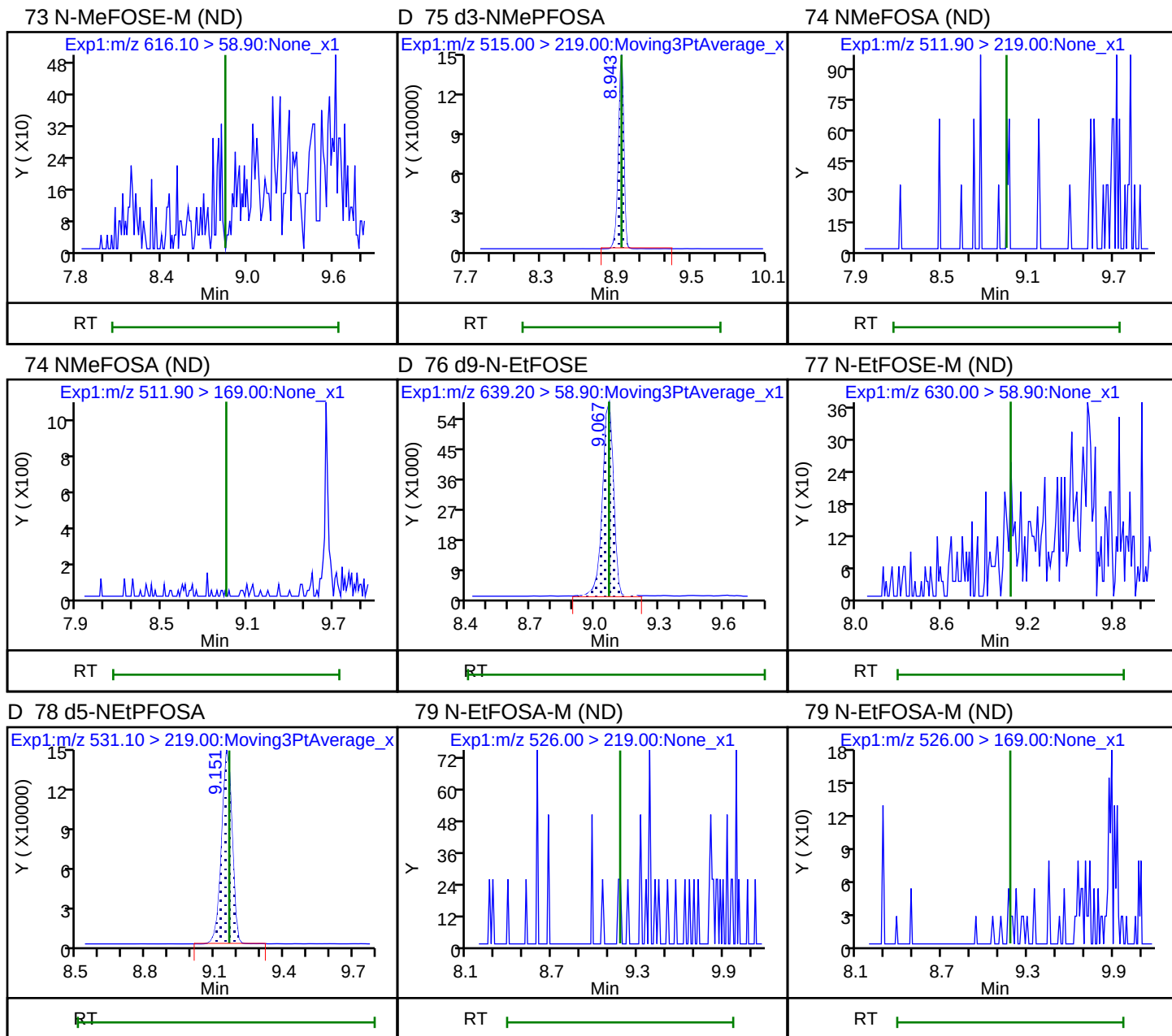
* 57 13C4 PFOS

D 59 13C7 PFUnA









FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-254628-1 Analy Batch No.: 736567
Environment Testing, LLC

SDG No.: _____

Instrument ID: 30570 GC Column: Gemini C18 5 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2025 11:15 Calibration End Date: 11/29/2025 12:50 Calibration ID: 79124

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-736567/1	25NOV29CAL-01.d
Level 2	IC 410-736567/2	25NOV29CAL-02.d
Level 3	IC 410-736567/3	25NOV29CAL-03.d
Level 4	IC 410-736567/4	25NOV29CAL-04.d
Level 5	ICISAV 410-736567/5	25NOV29CAL-05.d
Level 6	IC 410-736567/6	25NOV29CAL-06.d
Level 7	IC 410-736567/7	25NOV29CAL-07.d
Level 8	IC 410-736567/8	25NOV29CAL-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 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Perfluoropropionic acid (PFPrA)	1.0399 0.9566	1.0513 0.9894	0.9487 0.9815	0.9664 0.9838	0.9599 0.9802	AveI D		0.987 5				4.2		20.0			
Perfluorobutanoic acid	0.9168 0.9038	0.9581 0.9246	0.8825 0.9155	0.9038 0.9155	0.9082 0.9155	AveI D		0.914 2				2.4		20.0			
Perfluoro-3-methoxypropanoic acid	1.2971 1.2584	1.3860 1.3261	1.2333 1.2333	1.2906 1.2906	1.2715 1.2715	AveI D		1.294 7				3.9		20.0			
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.0608 0.0601	0.0621 0.0638	0.0588 0.0588	0.0622 0.0622	0.0602 0.0602	AveI D		0.061 1				2.7		20.0			
Perfluoropentanoic acid	1.2678 1.1814	1.3132 1.1836	1.1847 1.1791	1.1721 1.1721	1.1751 1.1751	AveI D		1.207 1				4.4		20.0			
Perfluoro(4-methoxybutanoic acid)	1.6618 1.6971	1.8856 1.7362	1.6872 1.6872	1.6987 1.6987	1.6960 1.6960	AveI D		1.723 2				4.3		20.0			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.5986 1.5927	1.8077 1.6643	1.6536 1.6536	1.5913 1.5913	1.6070 1.6070	AveI D		1.645 0				4.7		20.0			
Perfluoro-3,6-dioxahheptanoic acid	0.1830 0.1677	0.1871 0.1852	0.1558 0.1558	0.1720 0.1720	0.1799 0.1799	AveI D		0.175 8				6.4		20.0			
Perfluorohexanoic acid	1.0661 0.9069	1.1087 0.9462	0.9309 0.8648	0.9422 0.9422	0.9592 0.9592	AveI D		0.965 6				8.4		20.0			
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.1267 0.1363	0.1325 0.1355	0.1253 0.1253	0.1285 0.1285	0.1320 0.1320	AveI D		0.131 0				3.3		20.0			
Perfluorobutanesulfonic acid	1.2650 1.1989	1.2878 1.2249	1.2160 1.1790	1.2209 1.2209	1.2175 1.2175	AveI D		1.226 2				2.8		20.0			
HFPO-DA	1.2193 1.0269	1.1265 1.0158	0.9728 0.9558	0.9755 0.9755	0.9896 0.9896	AveI D		1.035 3				8.8		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 Job No.: 410-254628-1 Analy Batch No.: 736567
Environment Testing, LLC

SDG No.:

Instrument ID: 30570 GC Column: Gemini C18 5 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2025 11:15 Calibration End Date: 11/29/2025 12:50 Calibration ID: 79124

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)	1.0727 1.0108	1.0024 1.1001	1.0151	1.0146	1.0149	AveI n		1.032 9				3.6		20.0			
PFEESA	2.9973 2.9146	3.0578 2.9568	2.6988	2.8497	2.9365	AveI n		2.915 9				4.0		20.0			
Perfluoroheptanoic acid	1.0760 0.9390	0.9653 0.9246	0.9333 0.9076	0.9311	0.9305	AveI n		0.950 9				5.6		20.0			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.7941 3.1976	3.5051 3.2629	3.2948 2.9319	3.1996	3.1821	AveI n		3.296 0				7.8		20.0			
Perfluoropentanesulfonic acid	1.2785 1.2618	1.2295 1.2919	1.2099 1.2625	1.2457	1.2585	AveI n		1.254 8				2.1		20.0			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	2.0220 1.8349	2.0140 1.8942	1.7601	1.8494	1.7890	AveI n		1.880 5				5.5		20.0			
Bis(trifluoromethane)sulfonamide (TFSI)	2.1926 2.3718	2.3448 2.4339	2.1329	2.2430	2.2273	AveI n		2.278 0				4.7		20.0			
Perfluorooctanoic acid	1.0577 0.7813	0.8640 0.8611	0.8085 0.8018	0.8232	0.8036	L2ID	0.012 0	0.802 6				3.8		20.0			
7:3 FTCA	0.0707 0.0702	0.0695 0.0741	0.0662	0.0663	0.0673	AveI n		0.069 2				4.1		20.0			
Perfluorohexanesulfonic acid	1.5103 1.1390	1.2631 1.1695	1.1017 1.2030	1.1201	1.1359	L2ID	0.016 5	1.133 5				4.0		20.0			
Perfluorononanoic acid	1.0574 0.8362	1.0501 0.8995	0.8699 0.8640	0.9236	0.8753	AveI n		0.922 0				9.2		20.0			
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	1.2775 1.3022	1.3874 1.3624	1.3181	1.2730	1.3214	AveI n		1.320 3				3.2		20.0			
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECBS)	0.3480 0.3504	0.3889 0.3691	0.3344	0.3422	0.3462	AveI n		0.354 2				5.3		20.0			
Perfluoroheptanesulfonic acid	1.4190 1.1823	1.2657 1.1859	1.1843 1.1352	1.2562	1.2095	AveI n		1.229 8				7.1		20.0			
Perfluorohexanesulfonamide (FHxSA)	1.5383 1.4484	1.5848 1.5144	1.4112	1.4666	1.4518	AveI n		1.487 9				4.1		20.0			
N-methylperfluorooctanesulfonamido acetic acid (NMeFOSAA)	0.9554 0.9728	1.0061 0.9855	0.9693	1.0269	0.9978	AveI n		0.987 7				2.5		20.0			
Perfluorodecanoic acid	1.0505 0.9710	1.1252 1.0286	0.9015	0.9302	0.9909	AveI n		0.999 7				7.6		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 Job No.: 410-254628-1 Analy Batch No.: 736567
Environment Testing, LLC

SDG No.:

Instrument ID: 30570 GC Column: Gemini C18 5 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2025 11:15 Calibration End Date: 11/29/2025 12:50 Calibration ID: 79124

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	0.6853 0.7561	0.8550 0.7893	0.7351	0.7747	0.7656	AveI n		0.765 9				6.8		20.0			
Perfluorooctanesulfonic acid	1.7922 1.4484	1.6263 1.5070	1.4531 1.5230	1.4596	1.4678	AveI n		1.534 7				7.8		20.0			
Perfluoroundecanoic acid	0.9341 0.8383	0.9069 0.9197	0.8227	0.8489	0.8773	AveI n		0.878 3				4.9		20.0			
9-Chlorohexadecafluoro-3-oxanonane -1-sulfonic acid	2.8446 2.6638	2.9133 2.7648	2.6921	2.7606	2.6448	AveI n		2.754 9				3.6		20.0			
Perfluorononanesulfonic acid	1.1368 1.1387	1.2400 1.1481	1.0671	1.1647	1.1203	AveI n		1.145 1				4.5		20.0			
Perfluorododecanoic acid	0.9675 1.0225	1.0687 1.0507	1.0004	1.0769	1.0269	AveI n		1.030 5				3.8		20.0			
Perfluorooctanesulfonamide (PFOSA)	0.9608 0.8694	0.9403 0.8761	0.8599	0.8812	0.8826	AveI n		0.895 7				4.3		20.0			
Perfluorodecanesulfonic acid	1.2411 1.2370	1.2574 1.2619	1.1724	1.2381	1.1859	AveI n		1.227 7				2.8		20.0			
Perfluorotridecanoic acid	1.4072 1.4138	1.4774 1.3658	1.3700	1.4018	1.4273	AveI n		1.409 1				2.7		20.0			
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid	1.9224 1.8804	2.0239 2.0300	1.8316	1.9206	1.8558	AveI n		1.923 5				4.0		20.0			
Perfluorotetradecanoic acid	0.3264 0.2906	0.3087 0.2810	0.2552	0.2914	0.2861	AveI n		0.291 3				7.6		20.0			
Perfluorododecanesulfonic acid (PFDoS)	1.0129 0.9603	1.0441 1.0311	0.9318	0.9666	0.9615	AveI n		0.986 9				4.3		20.0			
2- (N-methylperfluoro-1-octanesulfona mido) ethanol	2.2829 2.2603	2.5939 2.2906	2.2694	2.3303	2.2696	AveI n		2.328 1				5.1		20.0			
NMeFOSA	1.0215 0.9999	1.0646 1.0359	1.0120	1.0472	1.0307	AveI n		1.030 2				2.1		20.0			
2- (N-ethylperfluoro-1-octanesulfonam ido) ethanol	2.7787 2.8855	3.0489 2.8195	2.9354	2.7086	2.7020	AveI n		2.839 8				4.4		20.0			
N-ethylperfluoro-1-octanesulfonami de	1.0110 0.9150	0.9913 0.8969	0.8835	0.8679	0.9139	AveI n		0.925 6				5.9		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 Job No.: 410-254628-1 Analy Batch No.: 736567
Environment Testing, LLC

SDG No.: _____

Instrument ID: 30570 GC Column: Gemini C18 5 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2025 11:15 Calibration End Date: 11/29/2025 12:50 Calibration ID: 79124

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)	2.4187 2.3386	2.2306 2.4436	2.0633	2.3129	2.1810	AveI n		2.284 1				5.9		20.0			
13C3 PFPrA	0.8669 0.8129	0.8199 0.8977	0.8408 ++++	0.8500	0.8930	Ave		0.854 5				3.9		20.0			
13C4 PFBA	1.1509 1.1460	1.1257 1.2522	1.1441 1.1609	1.1358	1.1747	Ave		1.161 3				3.4		20.0			
13C5 PFPeA	0.8335 0.8354	0.7755 0.8962	0.8121 0.7895	0.7866	0.8443	Ave		0.821 7				4.8		20.0			
13C2 4:2 FTS	0.2714 0.2606	0.2690 0.2720	0.2690 ++++	0.2693	0.2706	Ave		0.268 8				1.4		20.0			
13C5 PFHxA	1.0995 1.1343	1.1040 1.2359	1.1196 1.1434	1.0924	1.1396	Ave		1.133 6				4.0		20.0			
13C3 PFBS	1.3826 1.3899	1.3462 1.5322	1.3592 1.2937	1.3668	1.4114	Ave		1.385 3				5.0		20.0			
13C3 HFPO-DA	0.7073 0.7782	0.7391 0.8564	0.7467 0.8314	0.7470	0.8263	Ave		0.779 1				6.8		20.0			
13C4 PFHpA	0.9648 0.9848	0.9476 1.0295	0.9514 0.9017	0.9482	0.9859	Ave		0.964 2				3.9		20.0			
13C2 6:2 FTS	0.2195 0.1779	0.2125 0.1830	0.2169 ++++	0.2061	0.2064	Ave		0.203 2				8.1		20.0			
13C8 PFOA	1.0671 1.0480	1.0004 1.0862	0.9605 1.0655	1.0112	1.0267	Ave		1.033 2				4.0		20.0			
13C3 PFHxS	0.9940 0.9996	0.9686 1.1327	0.9995 1.0131	1.0053	1.0229	Ave		1.017 0				4.9		20.0			
13C9 PFNA	0.9263 1.0192	0.8788 1.0537	0.9498 0.9724	0.9467	0.9514	Ave		0.962 3				5.6		20.0			
M2-8:2 FTS	0.2726 0.2375	0.2452 0.2596	0.2605 ++++	0.2581	0.2408	Ave		0.253 5				5.0		20.0			
d3-NMeFOSAA	0.3910 0.3802	0.3796 0.4329	0.3898 ++++	0.3737	0.3746	Ave		0.388 8				5.3		20.0			
13C6 PFDA	1.0215 1.0282	0.9627 1.0417	0.9960 1.0268	1.0207	1.0183	Ave		1.014 5				2.4		20.0			
d5-NEtFOSAA	0.4552 0.3520	0.3770 0.3859	0.4164 ++++	0.3706	0.3725	Ave		0.389 9				8.9		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 Job No.: 410-254628-1 Analy Batch No.: 736567
Environment Testing, LLC

SDG No.: _____

Instrument ID: 30570 GC Column: Gemini C18 5 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2025 11:15 Calibration End Date: 11/29/2025 12:50 Calibration ID: 79124

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	0.8668 0.8780	0.8546 0.9582	0.8681 0.9025	0.8558	0.8714	Ave		0.881 9				3.9		20.0			
13C7 PFUnA	1.1550 1.2119	1.1070 1.2045	1.0955 1.1613	1.1294	1.1575	Ave		1.152 7				3.6		20.0			
13C2 PFDoA	1.0334 0.9794	0.9730 1.0641	0.9006 0.9348	0.9120	0.9793	Ave		0.972 1				5.8		20.0			
13C8 FOSA	1.1273 1.1581	1.1119 1.3024	1.1070 +++++	1.1163	1.0987	Ave		1.146 0				6.2		20.0			
13C2 PFTeDA	0.4939 0.4788	0.5030 0.5550	0.4986 0.4735	0.4601	0.5007	Ave		0.495 5				5.7		20.0			
d7-N-MeFOSE-M	0.1519 0.1565	0.1566 0.1837	0.1513 +++++	0.1544	0.1578	Ave		0.158 9				7.1		20.0			
d3-NMePFOSA	0.2710 0.2789	0.2737 0.3218	0.2682 +++++	0.2678	0.2637	Ave		0.277 9				7.2		20.0			
d9-N-EtFOSE-M	0.1798 0.1682	0.1839 0.2133	0.1762 +++++	0.1820	0.1824	Ave		0.183 7				7.7		20.0			
d5-NEtPFOSA	0.3210 0.3242	0.3179 0.3882	0.3226 +++++	0.3392	0.3293	Ave		0.334 6				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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-254628-1 Analy Batch No.: 736567
Environment Testing, LLC

SDG No.:

Instrument ID: 30570 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2025 11:15 Calibration End Date: 11/29/2025 12:50 Calibration ID: 79124

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-736567/1	25NOV29CAL-01.d
Level 2	IC 410-736567/2	25NOV29CAL-02.d
Level 3	IC 410-736567/3	25NOV29CAL-03.d
Level 4	IC 410-736567/4	25NOV29CAL-04.d
Level 5	ICISAV 410-736567/5	25NOV29CAL-05.d
Level 6	IC 410-736567/6	25NOV29CAL-06.d
Level 7	IC 410-736567/7	25NOV29CAL-07.d
Level 8	IC 410-736567/8	25NOV29CAL-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	173553 14375375	415300 28407716	1544694	3139208	5800656	0.250 25.0	0.625 50.0	2.50	5.00	12.5
Perfluorobutanoic acid		AveID	81258 7659155	207865 14811336	782215 50607057	1569321	2888027	0.100 10.0	0.250 20.0	1.00 100	2.00	5.00
Perfluoro-3-methoxypropanoic acid		AveID	46726 4373896	118133 8918395	438275	884003	1635812	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
3-Perfluoropropylpropanoic acid (3:3 FTCA)		AveID	4377 417678	10594 857951	41795	85173	154891	0.100 10.0	0.250 20.0	1.00	2.00	5.00
Perfluoropentanoic acid		AveID	45671 4106195	111923 7960436	421018 30440684	802851	1511708	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
Perfluoro(4-methoxybutanoic acid)		AveID	59863 5898631	160708 11676689	599560	1163587	2181887	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)		AveID	29161 2693468	80787 4993462	296393	549472	1018293	0.0938 9.38	0.235 18.8	0.938	1.88	4.69
Perfluoro-3,6-dioxahheptanoic acid		AveID	8694 791667	22707 1717418	76308	163601	312398	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorohexanoic acid		AveID	50658 4280165	134530 8776050	456086 32331990	896203	1665507	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
3-Perfluoropentylpropanoic acid (5:3 FTCA)		AveID	30115 3217517	80404 6284815	306981	611023	1146186	0.250 25.0	0.625 50.0	2.50	5.00	12.5
Perfluorobutanesulfonic acid		AveID	55636 5118830	136346 9798115	521366 33771221	1012721	1904848	0.0444 4.44	0.111 8.88	0.444 44.4	0.888	2.22
HFPO-DA		AveID	27953 2493650	68630 4896235	238397 25983208	475896	934399	0.0375 3.75	0.0938 7.50	0.375 50.0	0.750	1.88
Perfluorobutanesulfonamide (FBSA)		AveID	53130 4859746	119515 9909371	490128	947737	1788137	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.: 410-254628-1

Analy Batch No.: 736567

SDG No.:

Instrument ID: 30570 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2025 11:15 Calibration End Date: 11/29/2025 12:50 Calibration ID: 79124

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
PFEESA		AveID	127045 12269974	330951 24462732	1179374	2417871	4547993	0.0446 4.46	0.112 8.92	0.446	0.892	2.23
Perfluoroheptanoic acid		AveID	44868 3847355	100533 7143235	388525 26761378	768760	1397837	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		AveID	109711 9794119	269342 19838253	1018472 56551878	1968896	3789828	0.0473 4.73	0.118 9.46	0.473 35.5	0.946	2.37
Perfluoropentanesulfonic acid		AveID	42794 4101424	99141 8086779	403802 29979651	804521	1510579	0.0470 4.70	0.118 9.40	0.470 47.0	0.940	2.35
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)		AveID	30275 2150537	72163 3879328	258204	495991	877560	0.0952 9.52	0.238 19.0	0.952	1.90	4.76
Bis(trifluoromethane)sulfonamide (TFSI)		AveID	76438 8029073	196914 15867327	741363	1508710	2784318	0.0490 4.90	0.122 9.79	0.490	0.979	2.45
Perfluorooctanoic acid		L2ID	55071 3852788	105555 8028705	393479 32292216	816729	1457722	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
7:3 FTCA		AveID	16799 1656105	42166 3435343	162267	315434	584076	0.250 25.0	0.625 50.0	2.50	5.00	12.5
Perfluorohexanesulfonic acid		L2ID	49048 3591913	98812 7102728	356728 27715534	701858	1322782	0.0456 4.56	0.114 9.12	0.456 45.6	0.912	2.28
Perfluorononanoic acid		AveID	48133 3826680	114553 7819036	398526 30543695	821488	1424215	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	23949 2054542	57836 3992780	234200	431129	762530	0.0960 9.60	0.240 19.2	0.960	1.92	4.80
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)		AveID	11449 1119417	30822 2271430	109714	217238	408477	0.0462 4.62	0.116 9.24	0.462	0.924	2.31
Perfluoroheptanesulfonic acid		AveID	47255 3932583	102815 7430853	400310 27544647	806066	1487337	0.0477 4.77	0.119 9.54	0.477 47.7	0.954	2.39
Perfluorohexanesulfonamide (FHxSA)		AveID	54778 5008428	135944 10084652	501046	1007663	1853862	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)		AveID	15042 1468851	38050 2924040	154188	301615	552938	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorodecanoic acid		AveID	43438 3871694	111364 7401127	380556	770601	1448129	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
NEtFOSAA		AveID	12561 1056882	32115 2087941	124912	225658	421888	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorooctanesulfonic acid		AveID	58180	128780	478807	912972	1759638	0.0465	0.116	0.465	0.930	2.33

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

Analy Batch No.: 736567

SDG No.:

Instrument ID: 30570 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2025 11:15 Calibration End Date: 11/29/2025 12:50 Calibration ID: 79124

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
			4696746	9205399	36024466			4.65	9.30	46.5		
Perfluoroundecanoic acid		AveID	43674 3939680	103204 7651831	381981	778126	1457299	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid		AveID	92740	231687	890891	1734206	3184275	0.0467	0.117	0.467	0.934	2.34
			8674827	16960991				4.67	9.34			
Perfluorononanesulfonic acid		AveID	38172 3819317	101569 7254139	363727	753584	1389193	0.0481 4.81	0.120 9.62	0.481	0.962	2.41
Perfluorododecanoic acid		AveID	40472 3883585	106905 7722172	381870	797114	1443253	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorooctanesulfonamide (PFOSA)		AveID	43613 3998533	104176 7820795	388474	773112	1434518	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorodecanesulfonic acid		AveID	41764 4157829	103205 7990006	400447	802777	1473632	0.0482 4.82	0.121 9.64	0.482	0.964	2.41
Perfluorotridecanoic acid		AveID	43503 3997656	112091 7637398	406233	780515	1515813	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid		AveID	63345	162673	612620	1219432	2258177	0.0472	0.118	0.472	0.944	2.36
			6189289	12586556				4.72	9.44			
Perfluorotetradecanoic acid		AveID	6526 539542	15964 1077133	53922	108799	205570	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorododecanesulfonic acid (PFDoS)		AveID	34296 3247705	86233 6569365	320224	630613	1202174	0.0485 4.85	0.121 9.70	0.485	0.970	2.43
2-(N-methylperfluoro-1-octanesulfonamido) ethanol		AveID	69830	202352	700680	1413982	2649389	0.250	0.625	2.50	5.00	12.5
			7023414	14424873				25.0	50.0			
NMeFOSA		AveID	11148 1107646	29028 2285308	110784	220349	402120	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol		AveID	100621	279276	1055639	1937360	3646146	0.250	0.625	2.50	5.00	12.5
			9636529	20608971				25.0	50.0			
N-ethylperfluoro-1-octanesulfonamide		AveID	13069 1177995	31395 2386508	116315	231351	445241	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluoro-n-octadecanoic acid (PFODA)		AveID	48362 4342611	115340 9368255	436028	863615	1567330	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 Job No.: 410-254628-1 Analy Batch No.: 736567
Environment Testing, LLC

SDG No.: _____

Instrument ID: 30570 GC Column: Gemini C18 ID: 3 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2025 11:15 Calibration End Date: 11/29/2025 12:50 Calibration ID: 79124

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
13C3 PFPrA	13C3P FBA	Ave	1335154 1202206	1264108 1148444	1302646 +++++	1299386	966841	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00
13C4 PFBA	13C3P FBA	Ave	1772558 1694798	1735606 1601956	1772674 1105509	1736320	1271910	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C5 PFPeA	PFHxA	Ave	1440936 1390289	1363688 1345073	1421472 1032690	1369942	1029203	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C2 4:2 FTS	PFHxS	Ave	912077 845555	893816 750068	896186 +++++	863236	633670	4.69 4.69	4.69 4.69	4.69 +++++	4.69	4.69
13C5 PFHxA	PFHxA	Ave	1900764 1887800	1941362 1854998	1959670 1495538	1902403	1389053	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C3 PFBS	PFHxS	Ave	1846465 1792435	1777885 1679046	1799989 1202530	1741244	1313715	1.86 1.86	1.86 1.86	1.86 1.86	1.86	1.86
13C3 HFPO-DA	PFHxA	Ave	1222673 1295126	1299670 1285391	1307025 1087431	1300952	1007179	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C4 PFHpA	PFHxA	Ave	1667924 1638984	1666266 1545203	1665231 1179384	1651332	1201755	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C2 6:2 FTS	PFHxS	Ave	748636 586024	716602 512010	733505 +++++	670488	490520	4.76 4.76	4.76 4.76	4.76 +++++	4.76	4.76
13C8 PFOA	PFOA	Ave	2082620 1972477	1954615 1864756	1946607 1610975	1984320	1451241	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C3 PFHxS	PFHxS	Ave	1350302 1311200	1301100 1262599	1346336 957929	1302653	968408	1.90 1.90	1.90 1.90	1.90 1.90	1.90	1.90
13C9 PFNA	PFNA	Ave	1820887 1830420	1745453 1738600	1832501 1414128	1778873	1301733	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
M2-8:2 FTS	PFHxS	Ave	937363 788847	833752 732675	888393 +++++	846668	577056	4.80 4.80	4.80 4.80	4.80 +++++	4.80	4.80
d3-NMeFOSAA	PFOS	Ave	1574358 1509902	1512709 1483591	1590730 +++++	1468506	1108325	5.00 5.00	5.00 5.00	5.00 +++++	5.00	5.00
13C6 PFDA	PFDA	Ave	1654035 1594996	1583547 1439103	1688519 1681482	1656788	1169152	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
d5-NETfOSAA	PFOS	Ave	1832901 1397767	1502406 1322657	1699250 +++++	1456372	1102128	5.00 5.00	5.00 5.00	5.00 +++++	5.00	5.00
13C8 PFOS	PFOS	Ave	1337603 1336106	1305112 1258462	1357710 974602	1288694	987914	1.92 1.92	1.92 1.92	1.92 1.92	1.92	1.92
13C7 PFUnA	PFDA	Ave	1870286 1879888	1820873 1663926	1857233 1901811	1833206	1328873	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C2 PFDoA	PFDA	Ave	1673310 1519289	1600533 1469972	1526824 1530852	1480407	1124306	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C8 FOSA	PFOS	Ave	1815774	1772559	1807167	1754617	1300317	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 Job No.: 410-254628-1 Analy Batch No.: 736567
Environment Testing, LLC

SDG No.:

Instrument ID: 30570 GC Column: Gemini C18 ID: 3 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2025 11:15 Calibration End Date: 11/29/2025 12:50 Calibration ID: 79124

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
			1839695	1785410	+++++			2.00	2.00	+++++		
13C2 PFTeDA	PFDA	Ave	799794 742765	827316 766750	845283 775470	746767	574898	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
d7-N-MeFOSE-M	PFOS	Ave	611771 621468	624081 629745	617511 +++++	606791	466945	5.00 5.00	5.00 5.00	5.00 +++++	5.00	5.00
d3-NMePFOSA	PFOS	Ave	436533 443103	436263 441214	437896 +++++	420849	312123	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00
d9-N-EtFOSE-M	PFOS	Ave	724219 667928	732781 730932	719250 +++++	715256	539772	5.00 5.00	5.00 5.00	5.00 +++++	5.00	5.00
d5-N-EtPFOSA	PFOS	Ave	517092 514968	506752 532184	526584 +++++	533120	389743	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\30570\20251129-168303.b\25NOV29CAL-01.d
 Lims ID: IC CAL 1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 29-Nov-2025 11:15:45 ALS Bottle#: 2 Worklist Smp#: 1
 Injection Vol: 7.0 ul Dil. Factor: 1.0000
 Sample Info: IC CAL 1
 Misc. Info.: Plate: 1 Rack: 1 410-0168303-001
 Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570
 Sublist: chrom-30570-1633-125ml*sub7
 Method: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\30570-1633-125ml.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 02-Dec-2025 10:37:39 Calib Date: 29-Nov-2025 12:50:55
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-08.d

Column 1 : Det: EXP1
 Process Host: CTX1614

First Level Reviewer: QY4X Date: 29-Nov-2025 13:30:53

Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C3PFPrA										
166.00 > 121.00	1.973	1.984	-0.011	0.480	1335154	2.03		101	64822	
2 Perfluoropropionic acid										
163.00 > 119.00	1.984	1.996	-0.012	1.006	173553	0.2633		105	1384	
5 PFBA										
212.80 > 168.90	4.103	4.103	0.001	0.998	81258	0.1003		100	1265	
D 3 13C4-PFBA										
216.80 > 171.90	4.109	4.103	0.007	1.000	1772558	1.98		99.1	4788	
* 4 13C3PFBA										
216.00 > 172.00	4.109	4.109	0.0		1540137	2.00			1561	
6 PFMPA										
229.00 > 84.90	4.415	4.415	0.0	0.931	46726	0.0501		100	389	
7 3:3 FTCA										
241.00 > 177.00	4.433	4.424	0.009	0.934	4377	0.0994	Target=1.36	99.4	128	
241.00 > 117.00	4.424	4.424	0.0	0.932	3231		1.35(0.68-2.03)	99.4	27.5	
D 8 13C5 PFPeA										
268.30 > 223.00	4.745	4.744	0.0	0.914	1440936	2.03		101	6283	
9 PFPA										
263.00 > 219.00	4.745	4.744	0.0	1.000	45671	0.0525		105	71.6	
10 PFMBBA										
279.00 > 85.10	4.890	4.890	0.0	1.031	59863	0.0482		96.4	668	
11 4:2FTS										
327.10 > 307.00	5.018	5.017	0.001	1.000	29161	0.0912	Target=1.51	97.2	475	
327.10 > 80.90	5.018	5.017	0.001	1.000	19983		1.46(0.76-2.27)	97.2	51.9	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.018	5.017	0.001	0.806	912077	4.74		101	4194	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.153	5.153	0.001	0.993	8694	0.0520	Target=1.56	104	96.6	
295.00 > 84.90	5.153	5.153	0.001	0.993	5949		1.46(0.78-2.34)	104	59.0	
D 15 13C5 PFHxA										
318.00 > 273.00	5.191	5.190	0.001	1.000	1900764	1.94		97.0	5085	
17 PFHxA										
313.00 > 269.00	5.200	5.200	0.0	1.002	50658	0.0552	Target=10.42	110	125	
313.00 > 118.90	5.200	5.200	0.0	1.002	4718		10.74(5.21-15.63)	110	36.4	
* 16 13C2 PFHxA										
315.10 > 270.00	5.191	5.200	-0.009		4321745	5.00			4499	
18 5:3 FTCA										
341.00 > 237.10	5.268	5.278	-0.010	1.015	30115	0.2419	Target=0.88	96.8	215	
341.00 > 217.00	5.268	5.278	-0.010	1.015	38302		0.79(0.44-1.32)	96.8	270	
D 20 13C3 PFBS										
302.10 > 79.90	5.329	5.329	0.0	0.856	1846465	1.86		99.8	5566	
19 PFBS										
298.70 > 79.90	5.329	5.329	0.0	1.000	55636	0.0458	Target=2.90	103	168	
298.70 > 98.80	5.329	5.329	0.0	1.000	18515		3.00(1.45-4.35)	103	137	
21 HFPO-DA										
284.90 > 168.90	5.373	5.384	-0.011	1.000	27953	0.0442	Target=2.63	118	155	
284.90 > 184.90	5.373	5.384	-0.011	1.000	9799		2.85(1.31-3.94)	118	52.0	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.373	5.384	-0.011	1.035	1222673	1.82		90.8	3832	
23 FBSA										
297.90 > 78.00	5.407	5.395	0.011	1.015	53130	0.0519		104	455	
26 PFEESA										
314.80 > 134.90	5.567	5.566	0.001	1.072	127045	0.0458	Target=12.57	103	861	
314.80 > 82.90	5.567	5.566	0.001	1.072	11167		11.38(6.29-18.86)	103	97.0	
28 PFHpA										
363.10 > 319.00	5.610	5.610	0.0	1.000	44868	0.0566	Target=2.27	113	115	
363.10 > 169.00	5.610	5.610	0.0	1.000	18176		2.47(1.13-3.40)	113	88.6	
D 27 13C4 PFHpA										
367.10 > 322.00	5.610	5.610	0.0	1.081	1667924	2.00		100	5135	
29 ADONA										
376.90 > 250.90	5.765	5.765	0.0	1.073	109711	0.0544	Target=1.85	115	808	
376.90 > 84.80	5.765	5.765	0.0	1.073	56423		1.94(0.93-2.78)	115	365	
30 PFPeS										
349.10 > 79.90	5.799	5.799	0.0	0.932	42794	0.0479	Target=3.26	102	246	
349.10 > 98.90	5.799	5.799	0.0	0.932	13739		3.11(1.63-4.89)	102	52.8	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.799	5.810	-0.011	0.932	748636	5.14		108	2461	
31 6:2FTS										
427.10 > 407.00	5.799	5.810	-0.011	1.000	30275	0.1024	Target=1.69	108	6.8	
427.10 > 80.90	5.799	5.810	-0.011	1.000	17289		1.75(0.85-2.54)	108	9.0	
33 BTS										
280.00 > 147.00	5.967	5.967	0.0	0.959	76438	0.0471		96.3	320	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
36 PFOA										
413.00 > 369.00	5.997	6.007	-0.010	1.000	55071	0.0509	Target=2.18	102	65.2	
413.00 > 169.00	6.008	6.007	0.001	1.002	21144		2.60(1.09-3.27)	102	38.1	
* 35 13C4 PFOA										
417.10 > 372.00	6.008	6.007	0.001		4878966	5.00			20616	
D 34 13C8 PFOA										
421.10 > 376.00	5.997	6.007	-0.010	0.998	2082620	2.07		103	3960	
37 7:3 FTCA										
441.00 > 316.90	6.067	6.067	0.0	1.169	16799	0.2555	Target=0.46	102	164	
441.00 > 336.90	6.067	6.067	0.0	1.169	37856		0.44(0.23-0.69)	102	312	
40 PFHxS										
398.70 > 79.90	6.232	6.223	0.009	1.001	49048	0.0462	Target=3.38	101	110	
398.70 > 98.90	6.223	6.223	0.0	1.000	13159		3.73(1.69-5.07)	101	23.1	
D 39 13C3 PFHxS										
402.10 > 79.90	6.223	6.223	0.0	1.000	1350302	1.85		97.7	2086	
* 38 18O2 PFHxS										
403.00 > 83.90	6.223	6.223	0.0		1358466	1.90			6034	
D 42 13C9 PFNA										
472.10 > 427.00	6.390	6.389	0.001	1.000	1820887	1.93		96.3	2958	
43 PFNA										
463.00 > 419.00	6.390	6.389	0.001	1.000	48133	0.0573	Target=2.51	115	69.2	
463.00 > 219.00	6.390	6.389	0.001	1.000	17689		2.72(1.25-3.76)	115	35.5	
* 41 13C5 PFNA										
468.00 > 423.00	6.390	6.389	0.001		1965718	2.00			7427	
44 8:2FTS										
527.10 > 507.00	6.559	6.558	0.001	1.000	23949	0.0929	Target=1.31	96.8	150	
527.10 > 80.80	6.559	6.558	0.001	1.000	19218		1.25(0.66-1.97)	96.8	100	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.559	6.558	0.001	1.054	937363	5.16		108	3589	
46 PFECHS										
461.00 > 381.00	6.600	6.600	0.0	1.061	11449	0.0454	Target=0.28	98.2	75.9	
461.00 > 99.00	6.600	6.600	0.0	1.061	45144		0.25(0.14-0.42)	98.2	275	
47 PFHpS										
449.00 > 79.90	6.631	6.631	0.0	0.943	47255	0.0550	Target=3.66	115	218	
449.00 > 98.80	6.631	6.631	0.0	0.943	12624		3.74(1.83-5.50)	115	68.9	
53 FHxSA										
397.90 > 78.00	6.652	6.641	0.011	1.069	54778	0.0517		103	308	
49 NMeFOSAA										
570.10 > 419.00	6.716	6.715	0.001	1.000	15042	0.0484	Target=1.85	96.7	55.9	
570.10 > 483.00	6.716	6.715	0.001	1.000	8014		1.88(0.93-2.78)	96.7	13.0	
D 48 d3-NMeFOSAA										
573.20 > 419.00	6.716	6.715	0.001	0.955	1574358	5.03		101	2090	
* 50 13C2 PFDA										
515.10 > 470.10	6.782	6.772	0.010		1619240	2.00			2555	
D 51 13C6 PFDA										
519.10 > 474.10	6.782	6.772	0.010	1.000	1654035	2.01		101	2715	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
52 PFDA										
512.90 > 469.00	6.782	6.772	0.010	1.000	43438	0.0525	Target=4.24	105	237	
512.90 > 219.00	6.782	6.772	0.010	1.000	10384		4.18(2.12-6.36)	105	58.3	
D 54 d5-NEtFOSAA										
589.20 > 419.00	6.880	6.880	0.0	0.979	1832901	5.84		117	2196	
55 NEtFOSAA										M
584.20 > 419.10	6.890	6.889	0.001	1.001	12561	0.0447	Target=1.39	89.5	49.0	M
584.20 > 526.00	6.890	6.889	0.001	1.001	9864		1.27(0.69-2.08)	89.5	28.1	
D 56 13C8 PFOS										
507.10 > 79.90	7.030	7.029	0.001	1.000	1337603	1.88		98.3	1450	
58 PFOS										
498.90 > 79.90	7.040	7.029	0.011	1.001	58180	0.0543	Target=4.36	117	117	
498.90 > 98.80	7.030	7.029	0.001	1.000	13937		4.17(2.18-6.54)	117	41.7	
* 57 13C4 PFOS										
502.80 > 79.90	7.030	7.029	0.001		1543146	1.92			4841	
D 59 13C7 PFUnA										
570.00 > 525.10	7.173	7.162	0.011	1.058	1870286	2.00		100	5374	
60 PFUnA										
563.10 > 519.00	7.173	7.172	0.001	1.000	43674	0.0532	Target=6.42	106	444	
563.10 > 269.10	7.183	7.172	0.011	1.001	5877		7.43(3.21-9.63)	106	65.2	
61 9ClFOS										
530.80 > 351.00	7.343	7.333	0.010	1.045	92740	0.0482	Target=3.19	103	582	
532.80 > 353.00	7.343	7.333	0.010	1.045	27793		3.34(1.60-4.79)	103	179	
62 PFNS										
548.80 > 79.90	7.434	7.433	0.001	1.058	38172	0.0478	Target=3.60	99.3	379	
548.80 > 98.80	7.434	7.433	0.001	1.058	10743		3.55(1.80-5.40)	99.3	148	
63 PFDoA										
613.10 > 569.00	7.571	7.570	0.001		40472	0.0469	Target=6.08	93.9	334	
613.10 > 319.00	7.578	7.570	0.008		7378		5.49(3.04-9.12)	93.9	58.1	
D 81 13C2 PFDoA										
615.10 > 570.00	7.571	7.570	0.001	1.116	1673310	2.13		106	2498	
D 65 13C8 FOSA										
506.10 > 77.80	7.737	7.745	-0.008	1.101	1815774	1.97		98.4	2652	
64 PFOSA										M
498.10 > 77.90	7.737	7.752	-0.015	1.000	43613	0.0536	Target=49.65	107	91.8	
498.10 > 478.00	7.753	7.752	0.0	1.002	1188		36.71(24.83-74.47)	107	4.1	M
66 PFDS										
599.00 > 79.90	7.832	7.831	0.001	1.114	41764	0.0487	Target=3.75	101	241	
599.00 > 98.80	7.832	7.831	0.001	1.114	10680		3.91(1.88-5.63)	101	147	
67 PFTrDA										
663.00 > 619.00	7.977	7.976	0.001	0.953	43503	0.0499	Target=5.60	99.9	413	
663.00 > 168.90	7.969	7.976	-0.007	0.952	8327		5.22(2.80-8.40)	99.9	109	
68 11ClFOS										
630.90 > 450.90	8.136	8.136	0.0	1.157	63345	0.0472	Target=3.10	99.9	685	
632.90 > 452.90	8.136	8.136	0.0	1.157	20948		3.02(1.55-4.64)	99.9	309	
70 PFTeDA										
713.10 > 168.90	8.368	8.358	0.010	1.000	6526	0.0560	Target=1.16	112	93.0	
713.10 > 219.00	8.358	8.358	0.0	0.999	5602		1.16(0.58-1.74)	112	98.1	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 69 13C2 PFTeDA										
715.20 > 670.00	8.368	8.358	0.010	1.234	799794	1.99		99.7	5257	
71 PFDoS										
699.10 > 79.90	8.585	8.574	0.011	1.221	34296	0.0498	Target=4.00	103	169	
699.10 > 98.80	8.585	8.574	0.011	1.221	9080		3.78(2.00-6.00)	103	186	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.728	8.728	0.0	1.242	611771	4.78		95.6	357	
73 N-MeFOSE-M										
616.10 > 58.90	8.755	8.741	0.014	1.003	69830	0.2451		98.1	32.8	M
D 74 d3-NMePFOSA										
515.00 > 219.00	8.849	8.849	0.0	1.259	436533	1.95		97.5	1195	
75 NMeFOSA										
511.90 > 219.00	8.849	8.849	0.0	1.000	11148	0.0496	Target=0.70	99.2	62.3	
511.90 > 169.00	8.849	8.849	0.0	1.000	17068		0.65(0.35-1.05)	99.2	63.5	
D 76 d9-N-EtFOSE										
639.20 > 58.90	8.976	8.976	0.0	1.277	724219	4.90		97.9	280	
77 N-EtFOSE-M										
630.00 > 58.90	9.001	9.000	0.001	1.003	100621	0.2446		97.8	60.5	M
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.069	9.069	0.0	1.290	517092	1.92		95.9	1550	
79 N-EtFOSA-M										
526.00 > 219.00	9.081	9.080	0.001	1.001	13069	0.0546	Target=0.81	109	80.7	
526.00 > 169.00	9.081	9.080	0.001	1.001	15659		0.83(0.41-1.22)	109	42.3	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.330	9.330	0.0	1.115	48362	0.0529	Target=18.06	106	445	
913.00 > 169.00	9.330	9.330	0.0	1.115	2592		18.66(9.03-27.08)	106	95.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_CAL1_00072

Amount Added: 1.00

Units: mL

Data File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-01.d

Injection Date: 29-Nov-2025 11:15:45

Instrument ID: 30570

Lims ID: IC CAL 1

Client ID:

Operator ID: ETUS023_USR_INS00003

ALS Bottle#: 2

Worklist Smp#: 1

Injection Vol: 7.0 ul

Dil. Factor: 1.0000

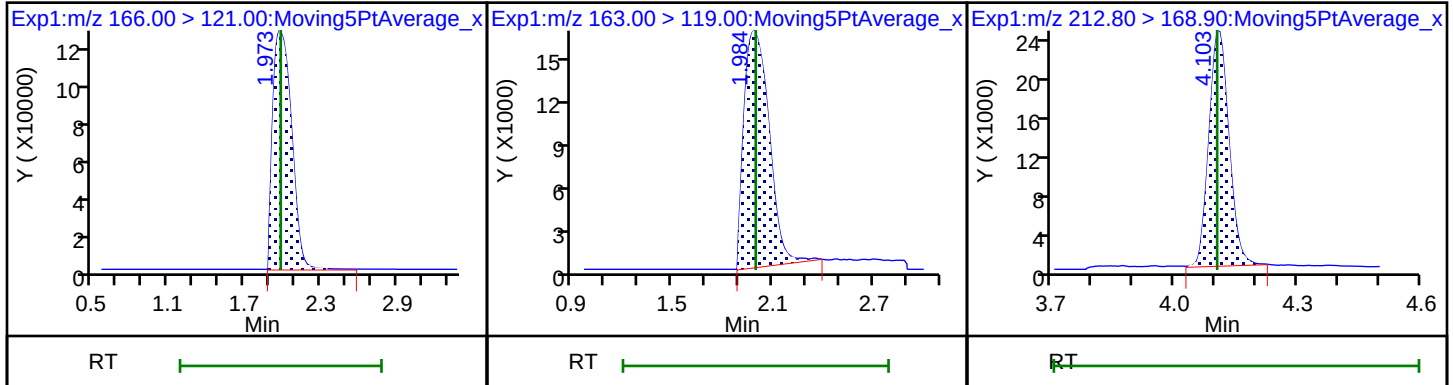
Method: 30570-1633-125ml

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid

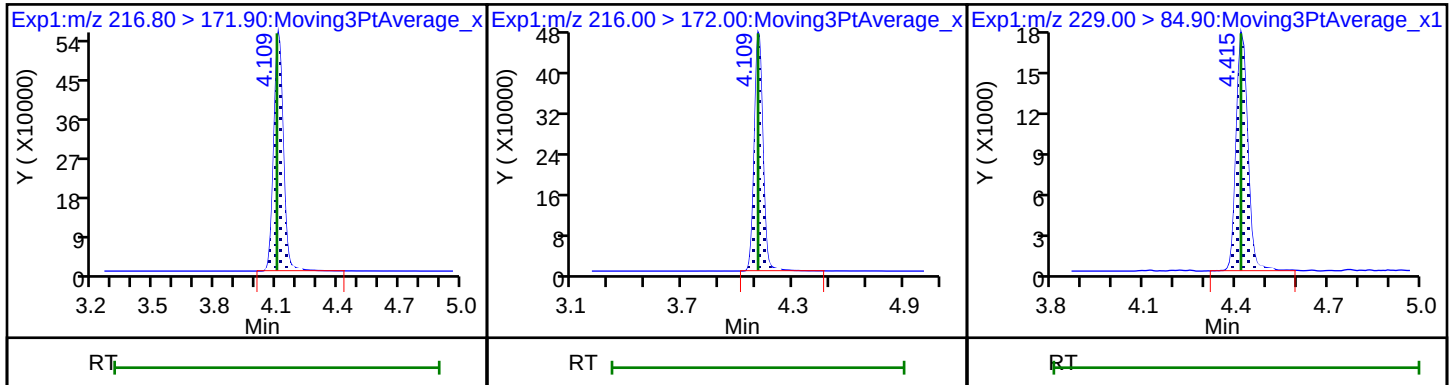
5 PFBA



D 3 13C4-PFBA

* 4 13C3PFBA

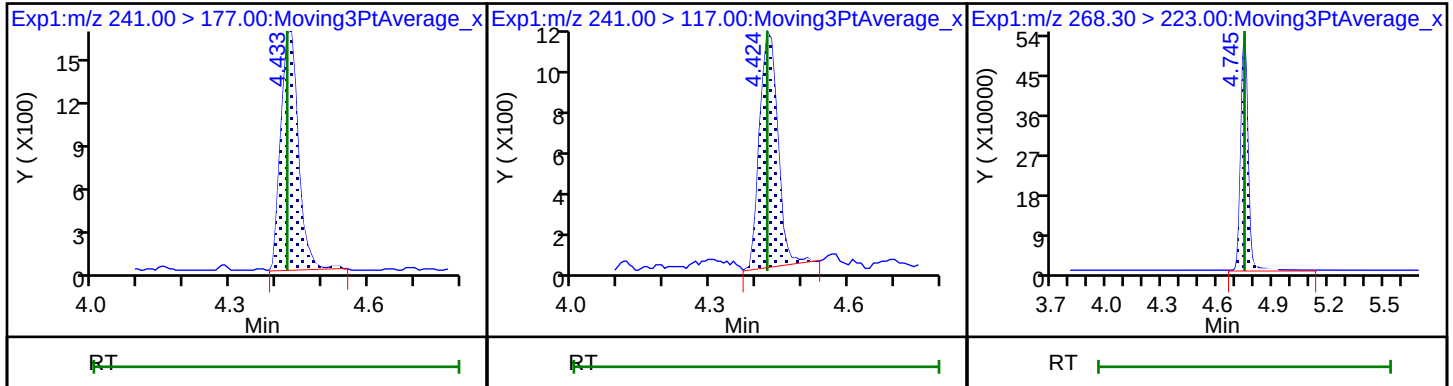
6 PFMPA



7 3:3 FTCA

7 3:3 FTCA

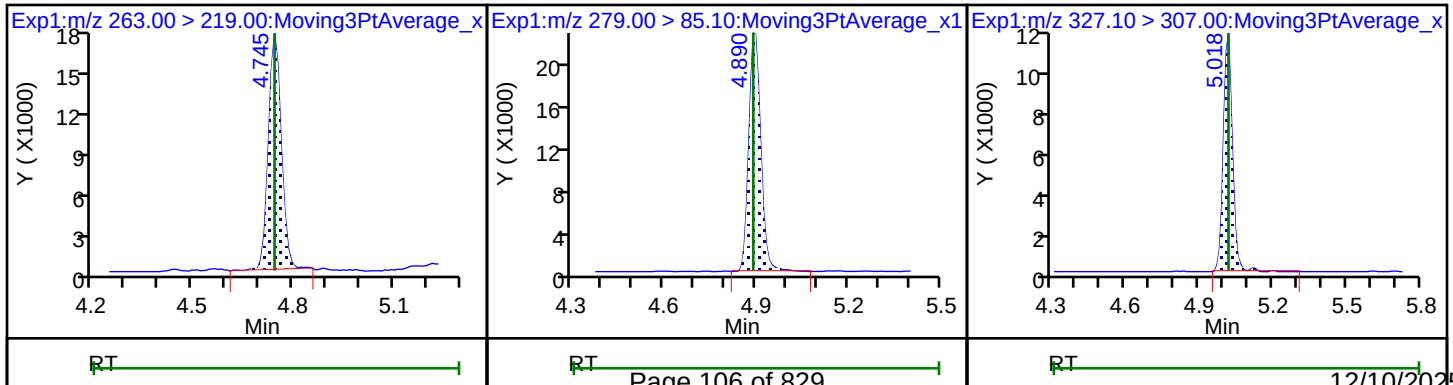
D 8 13C5 PFPeA

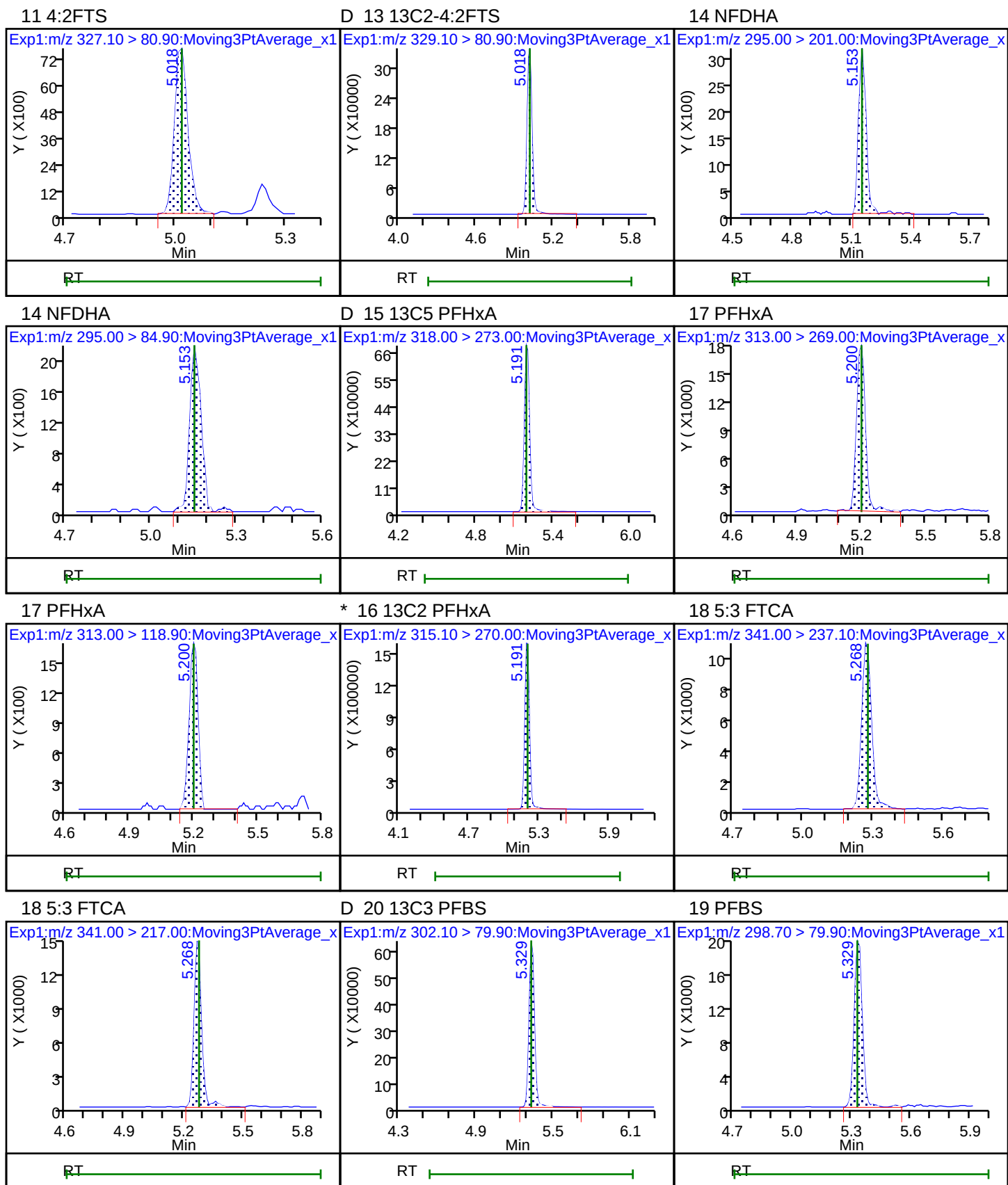


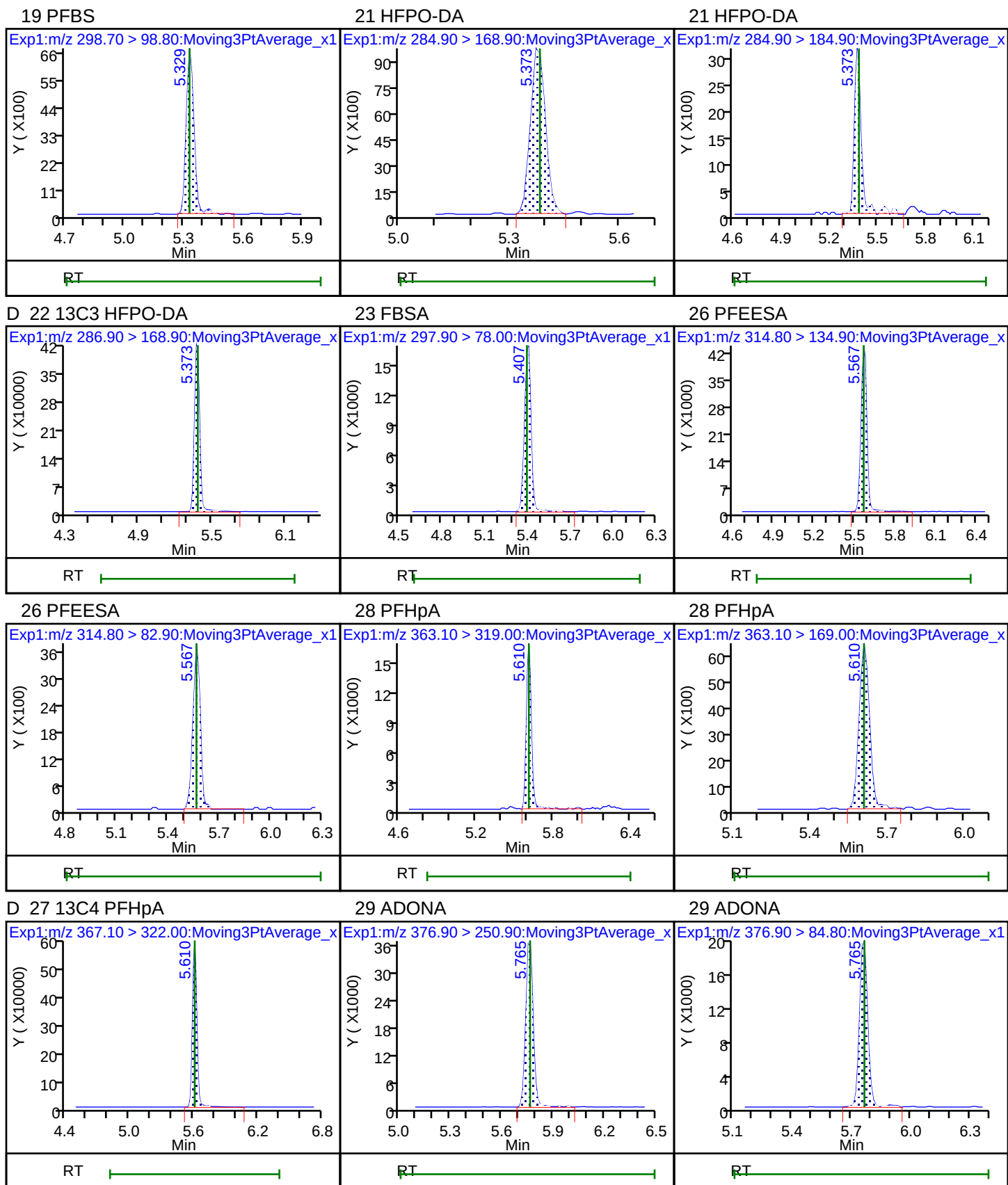
9 PFPA

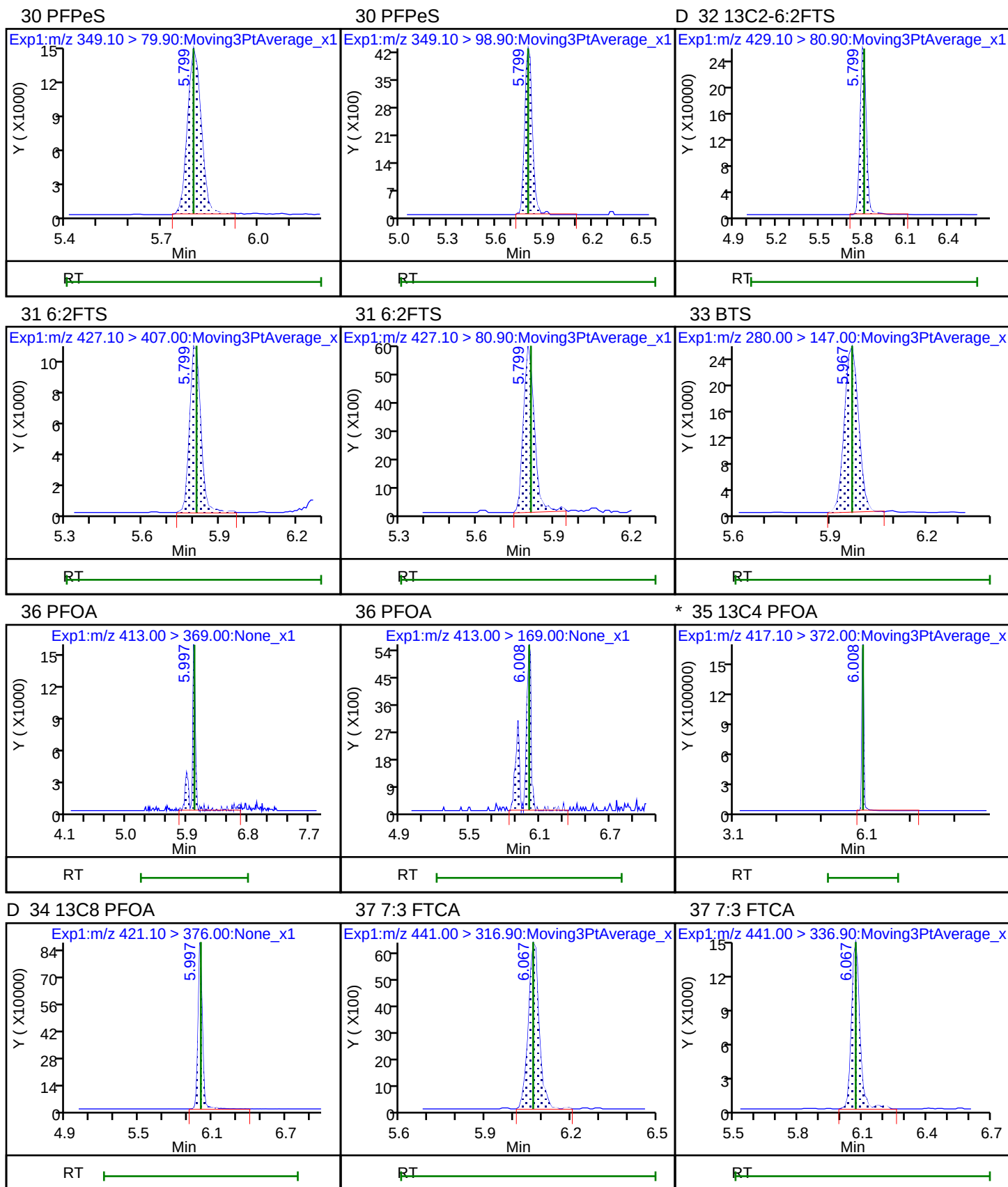
10 PFMB A

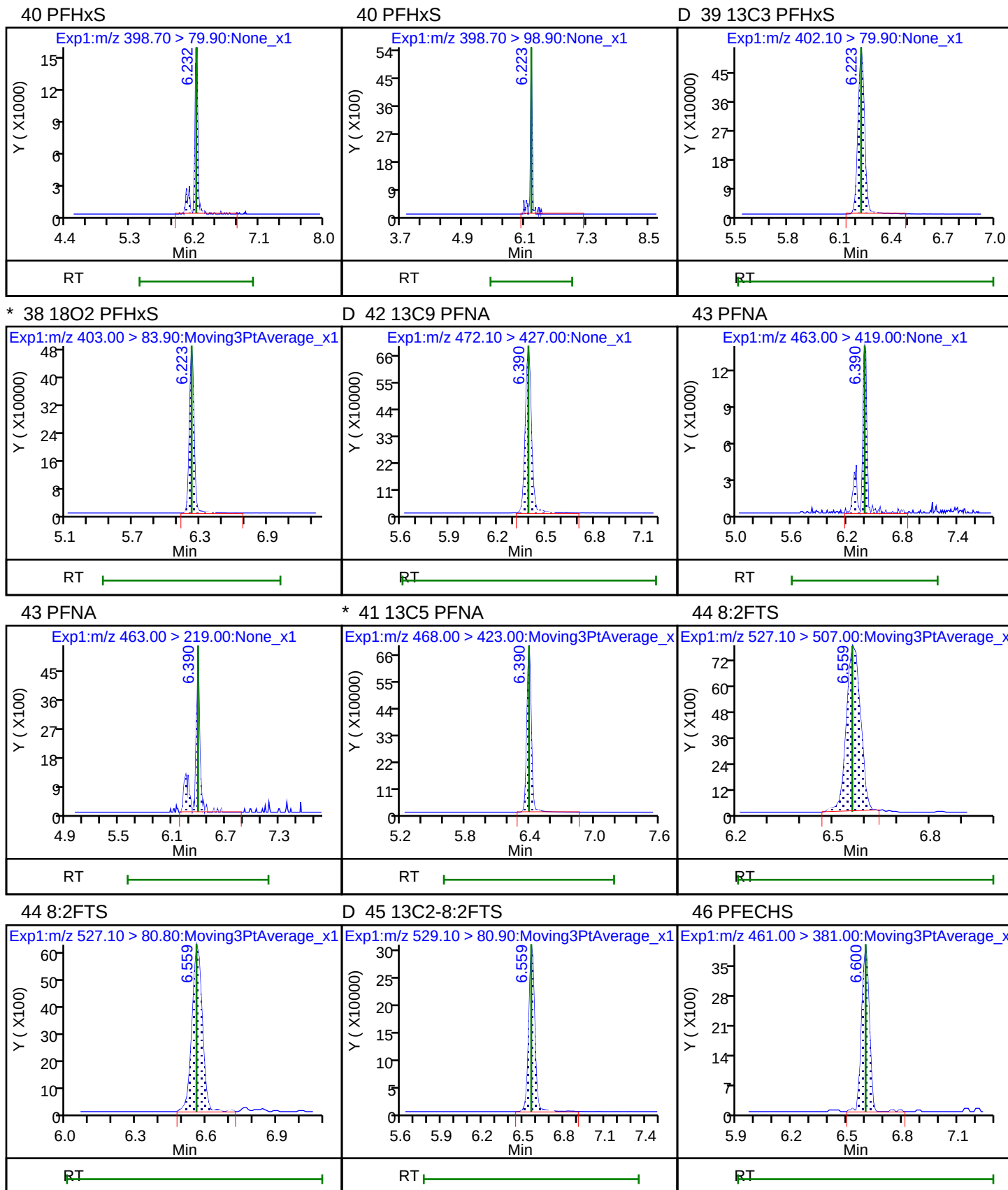
11 4:2FTS

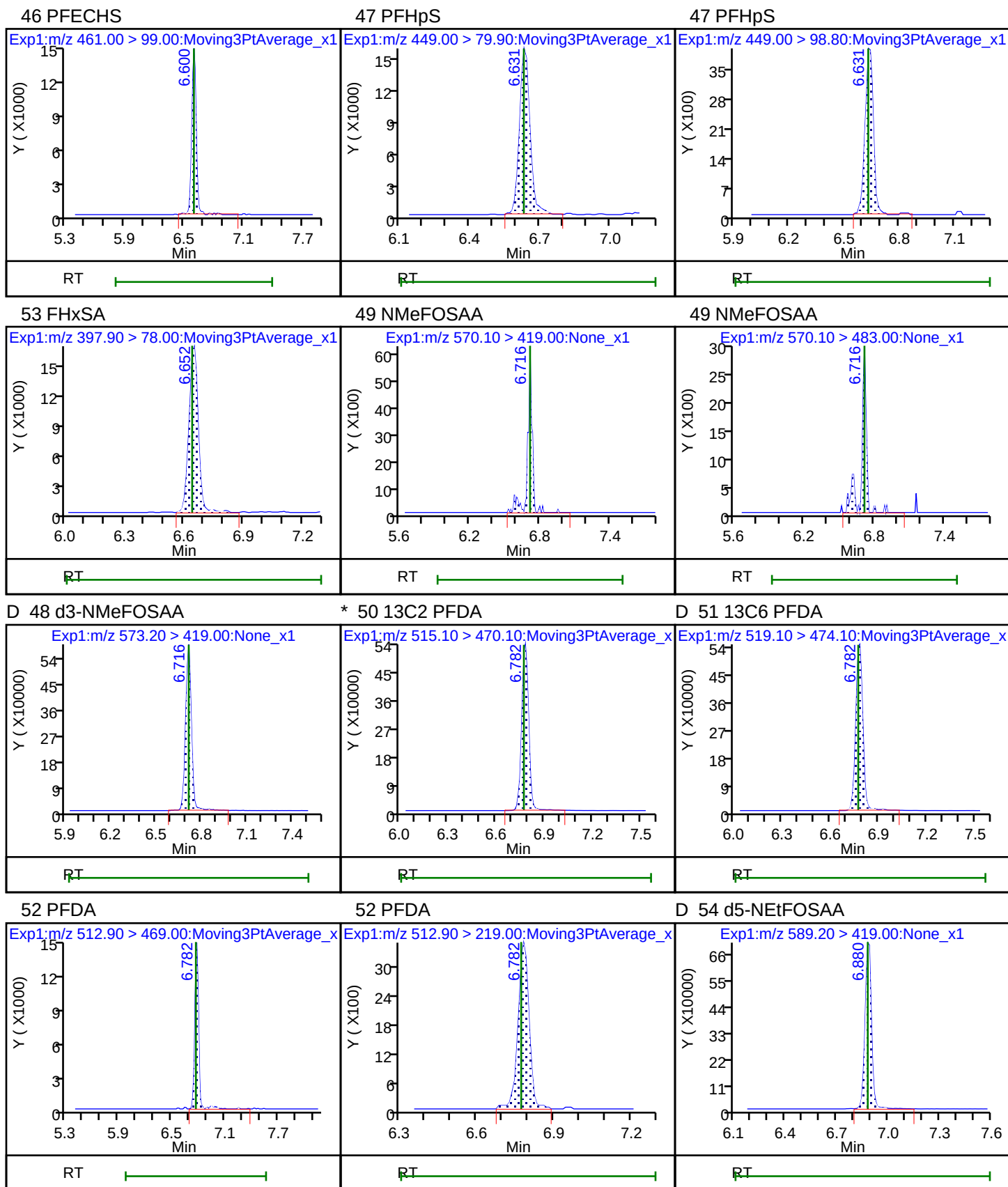


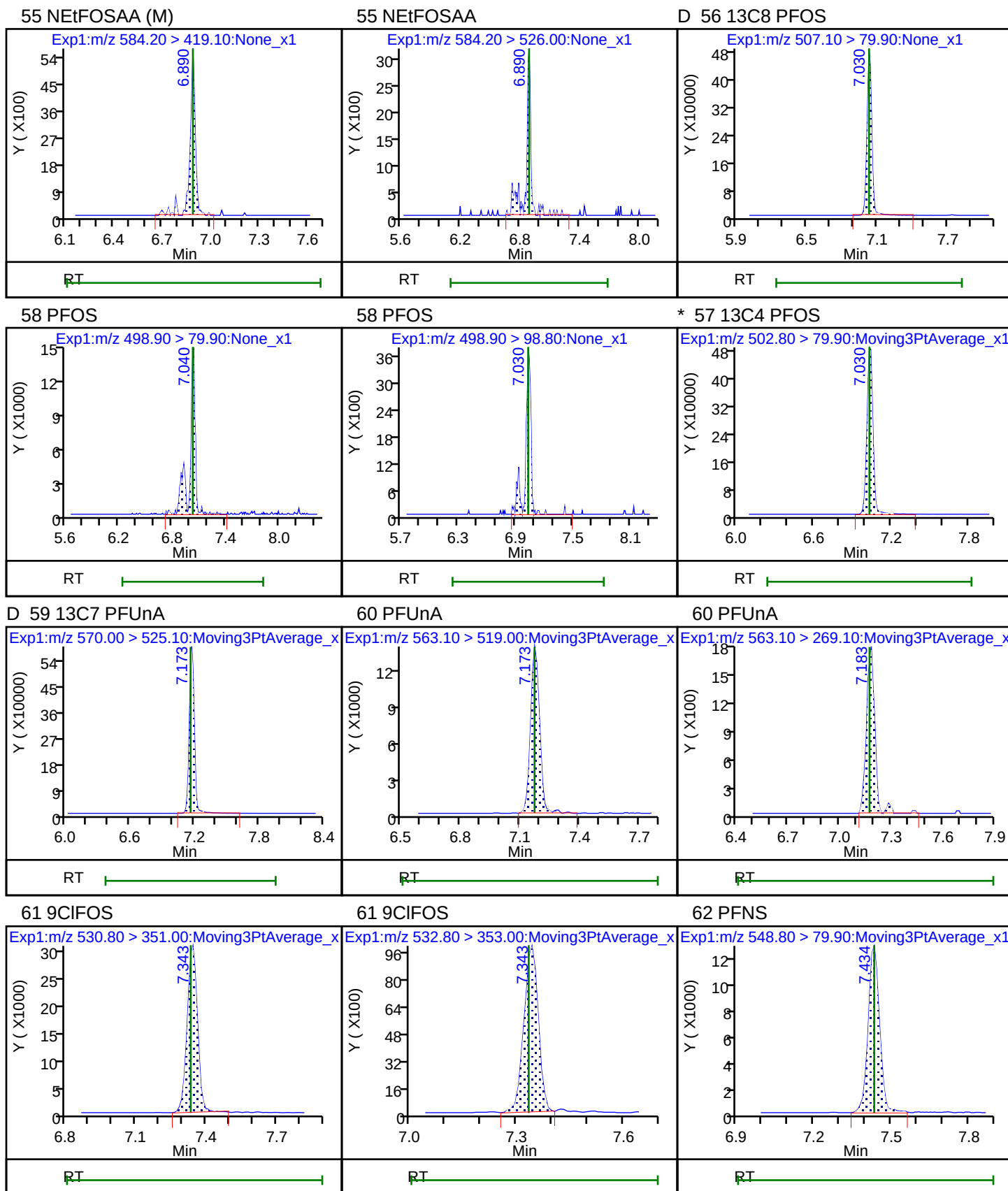


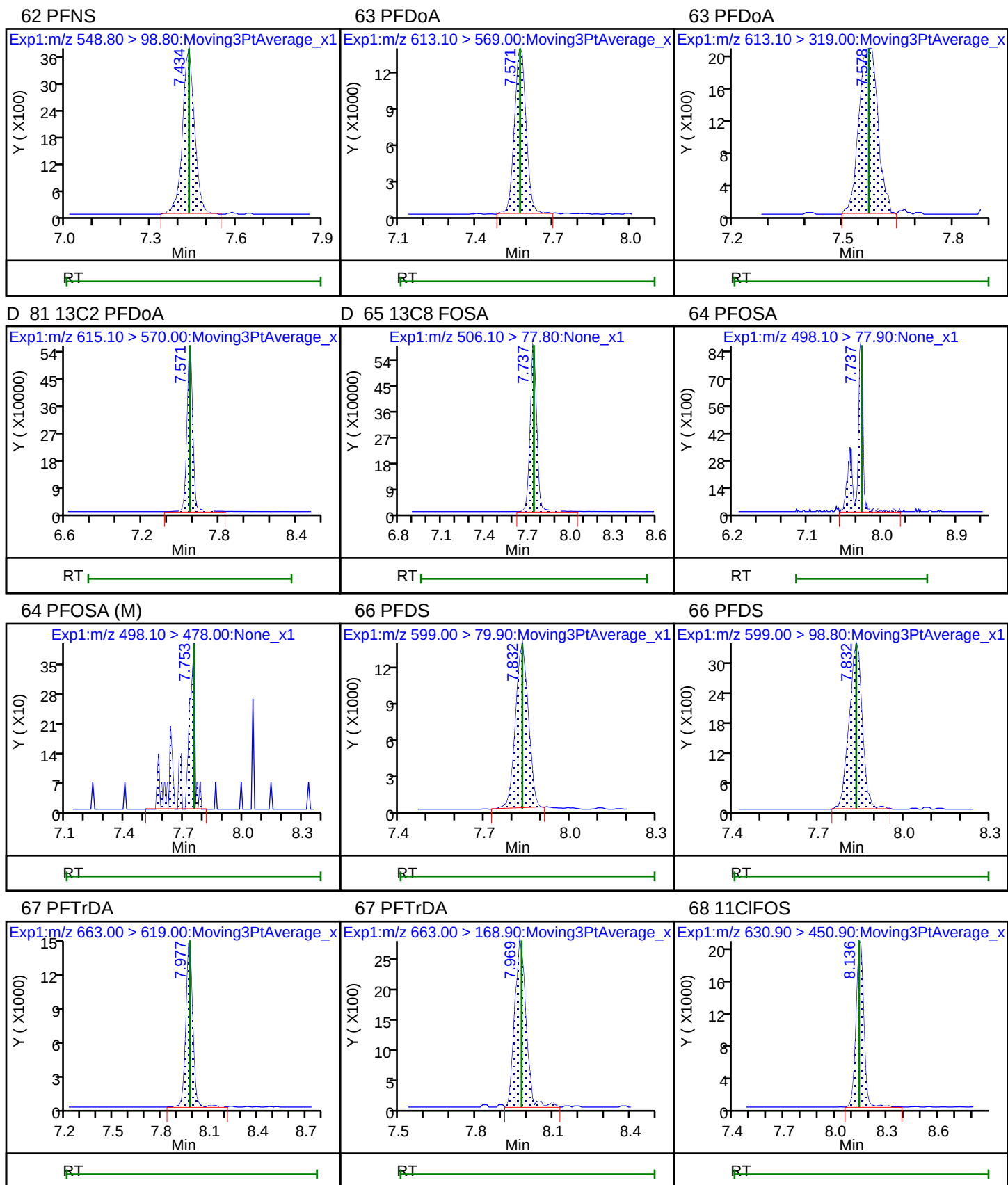


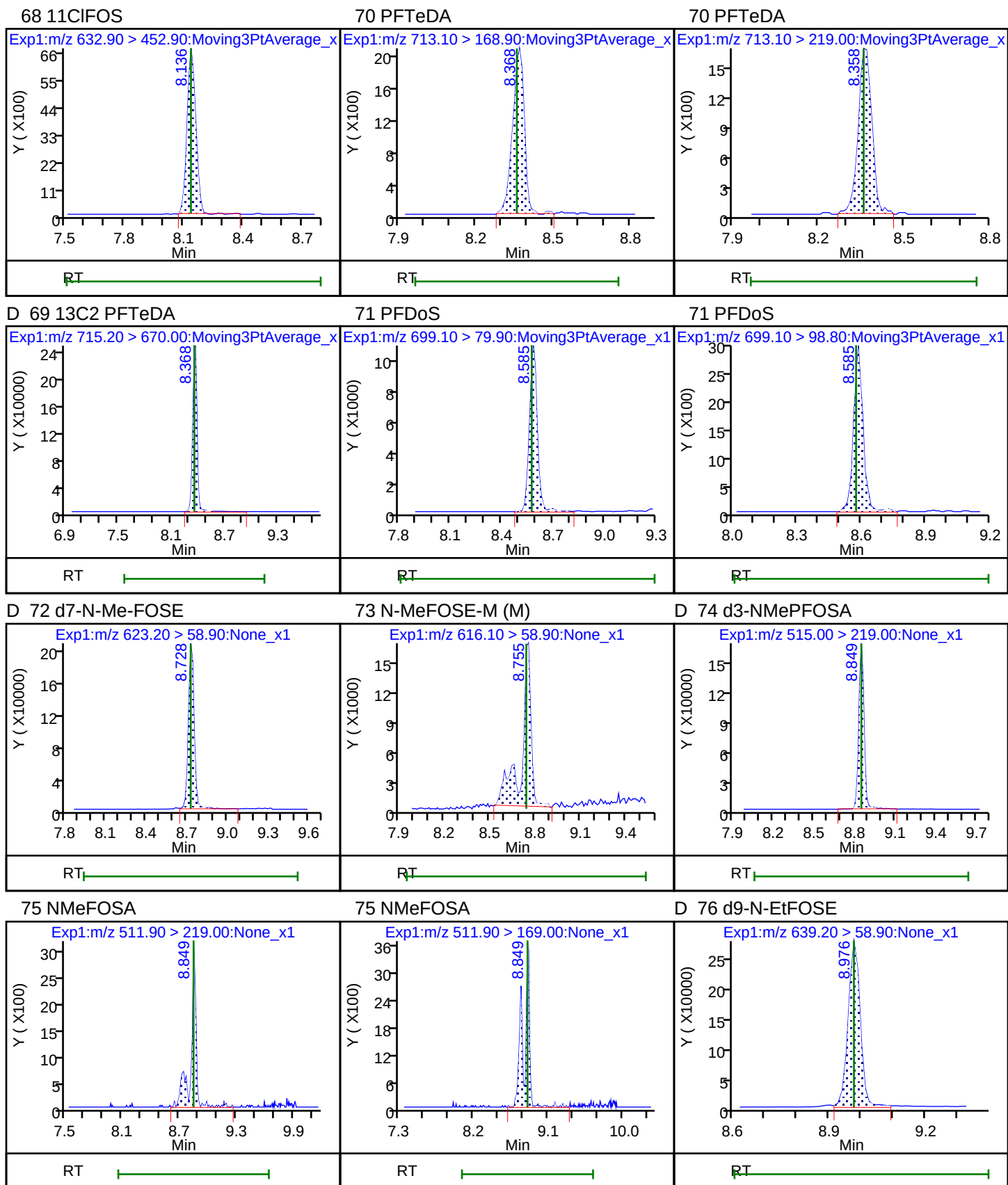


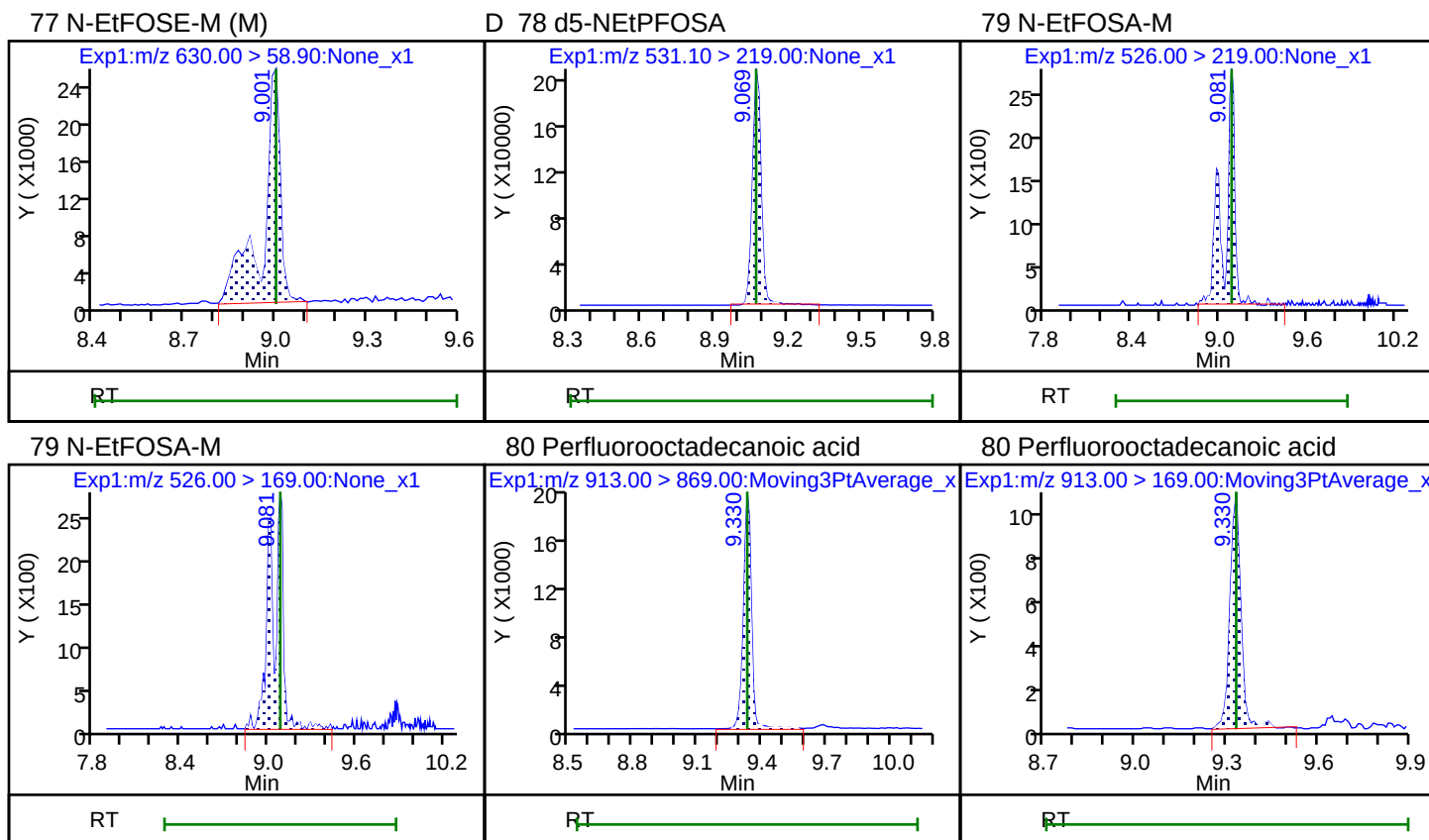












Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-02.d
 Lims ID: IC CAL 2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 29-Nov-2025 11:29:20 ALS Bottle#: 3 Worklist Smp#: 2
 Injection Vol: 7.0 ul Dil. Factor: 1.0000
 Sample Info: IC CAL 2
 Misc. Info.: Plate: 1 Rack: 1 410-0168303-002
 Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570
 Sublist: chrom-30570-1633-125ml*sub7
 Method: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\30570-1633-125ml.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 02-Dec-2025 10:37:53 Calib Date: 29-Nov-2025 12:50:55
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-08.d

Column 1 : Det: EXP1
 Process Host: CTX1614

First Level Reviewer: QY4X Date: 29-Nov-2025 13:31:32

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	1.961	1.984	-0.023	0.477	1264108	1.92		96.0	124873	
2 Perfluoropropionic acid										
163.00 > 119.00	1.973	1.996	-0.023	1.006	415300	0.6654		106	3343	
5 PFBA										
212.80 > 168.90	4.102	4.103	0.0	0.998	207865	0.2620		105	3364	
D 3 13C4-PFBA										
216.80 > 171.90	4.109	4.103	0.007	1.000	1735606	1.94		96.9	6911	
* 4 13C3PFBA										
216.00 > 172.00	4.109	4.109	0.0		1541831	2.00			1406	
6 PFMPA										
229.00 > 84.90	4.415	4.415	0.0	0.931	118133	0.1338		107	946	
7 3:3 FTCA										
241.00 > 177.00	4.424	4.424	0.0	0.932	10594	0.2541	Target=1.36	102	226	
241.00 > 117.00	4.432	4.424	0.008	0.934	8571		1.24(0.68-2.03)	102	106	
D 8 13C5 PFPeA										
268.30 > 223.00	4.744	4.744	0.0	0.914	1363688	1.89		94.4	6144	
9 PFPA										
263.00 > 219.00	4.744	4.744	0.0	1.000	111923	0.1360		109	146	
10 PFMBA										
279.00 > 85.10	4.890	4.890	0.0	1.031	160708	0.1368		109	1343	
11 4:2FTS										
327.10 > 307.00	5.017	5.017	0.0	1.002	80787	0.2577	Target=1.51	110	665	
327.10 > 80.90	5.008	5.017	-0.009	1.000	51606		1.57(0.76-2.27)	110	111	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.008	5.017	-0.009	0.804	893816	4.69		100	6885	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.153	5.153	0.001	0.993	22707	0.1331	Target=1.56	106	229	
295.00 > 84.90	5.153	5.153	0.001	0.993	14692		1.55(0.78-2.34)	106	111	
D 15 13C5 PFHxA										
318.00 > 273.00	5.191	5.190	0.001	1.000	1941362	1.95		97.4	22799	
17 PFHxA										
313.00 > 269.00	5.191	5.200	-0.009	1.000	134530	0.1435	Target=10.42	115	371	
313.00 > 118.90	5.191	5.200	-0.009	1.000	13457		10.00(5.21-15.63)	115	108	
* 16 13C2 PFHxA										
315.10 > 270.00	5.191	5.200	-0.009		4396191	5.00			11126	
18 5:3 FTCA										
341.00 > 237.10	5.268	5.278	-0.010	1.015	80404	0.6323	Target=0.88	101	515	
341.00 > 217.00	5.268	5.278	-0.010	1.015	94052		0.85(0.44-1.32)	101	714	
D 20 13C3 PFBS										
302.10 > 79.90	5.329	5.329	0.0	0.855	1777885	1.81		97.2	5218	
19 PFBS										
298.70 > 79.90	5.329	5.329	0.0	1.000	136346	0.1166	Target=2.90	105	476	
298.70 > 98.80	5.329	5.329	0.0	1.000	47334		2.88(1.45-4.35)	105	442	
21 HFPO-DA										
284.90 > 168.90	5.373	5.384	-0.011	1.000	68630	0.1020	Target=2.63	109	348	
284.90 > 184.90	5.373	5.384	-0.011	1.000	26357		2.60(1.31-3.94)	109	181	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.373	5.384	-0.011	1.035	1299670	1.90		94.9	4949	
23 FBSA										
297.90 > 78.00	5.406	5.395	0.011	1.015	119515	0.1213		97.0	257	
26 PFEESA										
314.80 > 134.90	5.566	5.566	0.0	1.072	330951	0.1169	Target=12.57	105	2361	
314.80 > 82.90	5.566	5.566	0.0	1.072	24951		13.26(6.29-18.86)	105	187	
28 PFHpA										
363.10 > 319.00	5.610	5.610	0.0	1.000	100533	0.1269	Target=2.27	102	244	
363.10 > 169.00	5.610	5.610	0.0	1.000	45340		2.22(1.13-3.40)	102	196	
D 27 13C4 PFHpA										
367.10 > 322.00	5.610	5.610	0.0	1.081	1666266	1.97		98.3	4877	
29 ADONA										
376.90 > 250.90	5.765	5.765	0.0	1.073	269342	0.1258	Target=1.85	106	1670	
376.90 > 84.80	5.765	5.765	0.0	1.073	144396		1.87(0.93-2.78)	106	637	
30 PFPeS										
349.10 > 79.90	5.799	5.799	0.0	0.932	99141	0.1151	Target=3.26	98.0	360	
349.10 > 98.90	5.799	5.799	0.0	0.932	32666		3.03(1.63-4.89)	98.0	208	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.810	5.810	0.0	0.932	716602	4.98		105	2658	
31 6:2FTS										
427.10 > 407.00	5.810	5.810	0.0	1.000	72163	0.2549	Target=1.69	107	25.1	
427.10 > 80.90	5.810	5.810	0.0	1.000	43804		1.65(0.85-2.54)	107	25.1	
33 BTS										
280.00 > 147.00	5.967	5.967	0.0	0.959	196914	0.1260		103	1085	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
36 PFOA										
413.00 > 369.00	6.007	6.007	0.0	1.000	105555	0.1196	Target=2.18	95.7	113	
413.00 > 169.00	6.007	6.007	0.0	1.000	47568		2.22(1.09-3.27)	95.7	86.8	
* 35 13C4 PFOA										
417.10 > 372.00	6.007	6.007	0.0		4884682	5.00			5020	
D 34 13C8 PFOA										
421.10 > 376.00	6.007	6.007	0.0	1.000	1954615	1.94		96.8	1691	
37 7:3 FTCA										
441.00 > 316.90	6.076	6.067	0.009	1.171	42166	0.6279	Target=0.46	100	232	
441.00 > 336.90	6.076	6.067	0.009	1.171	98584		0.43(0.23-0.69)	100	519	
* 38 18O2 PFHxS										
403.00 > 83.90	6.232	6.223	0.009		1343316	1.90			4533	
40 PFHxS										
398.70 > 79.90	6.232	6.223	0.009	1.001	98812	0.1125	Target=3.38	98.6	267	
398.70 > 98.90	6.232	6.223	0.009	1.001	28788		3.43(1.69-5.07)	98.6	59.5	
D 39 13C3 PFHxS										
402.10 > 79.90	6.223	6.223	0.0	0.999	1301100	1.81		95.2	2089	
* 41 13C5 PFNA										
468.00 > 423.00	6.399	6.389	0.010		1986224	2.00			4908	
D 42 13C9 PFNA										
472.10 > 427.00	6.389	6.389	0.0	0.998	1745453	1.83		91.3	4424	
43 PFNA										
463.00 > 419.00	6.399	6.389	0.010	1.002	114553	0.1424	Target=2.51	114	214	
463.00 > 219.00	6.399	6.389	0.010	1.002	43103		2.66(1.25-3.76)	114	90.7	
44 8:2FTS										
527.10 > 507.00	6.568	6.558	0.010	1.000	57836	0.2522	Target=1.31	105	162	
527.10 > 80.80	6.568	6.558	0.010	1.000	46465		1.24(0.66-1.97)	105	334	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.568	6.558	0.010	1.054	833752	4.64		96.7	1609	
46 PFECHS										
461.00 > 381.00	6.599	6.600	-0.001	1.060	30822	0.1268	Target=0.28	110	236	
461.00 > 99.00	6.610	6.600	0.010	1.062	104832		0.29(0.14-0.42)	110	616	
47 PFHpS										
449.00 > 79.90	6.641	6.631	0.010	0.945	102815	0.1227	Target=3.66	103	445	
449.00 > 98.80	6.641	6.631	0.010	0.945	28621		3.59(1.83-5.50)	103	220	
53 FHxSA										
397.90 > 78.00	6.651	6.641	0.010	1.069	135944	0.1331		107	465	
49 NMeFOSAA										
570.10 > 419.00	6.715	6.715	0.0	1.000	38050	0.1273	Target=1.85	102	98.8	
570.10 > 483.00	6.725	6.715	0.010	1.002	24059		1.58(0.93-2.78)	102	63.9	
D 48 d3-NMeFOSAA										
573.20 > 419.00	6.715	6.715	0.0	0.955	1512709	4.88		97.6	1807	
* 50 13C2 PFDA										
515.10 > 470.10	6.781	6.772	0.009		1644921	2.00			3935	
D 51 13C6 PFDA										
519.10 > 474.10	6.781	6.772	0.009	1.000	1583547	1.90		94.9	5161	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
52 PFDA										
512.90 > 469.00	6.781	6.772	0.009	1.000	111364	0.1407	Target=4.24	113	618	
512.90 > 219.00	6.789	6.772	0.017	1.001	25399		4.38(2.12-6.36)	113	119	
D 54 d5-NEtFOSAA										
589.20 > 419.00	6.889	6.880	0.009	0.980	1502406	4.83		96.7	1331	
55 NEtFOSAA										
584.20 > 419.10	6.899	6.889	0.010	1.001	32115	0.1395	Target=1.39	112	121	
584.20 > 526.00	6.899	6.889	0.010	1.001	25789		1.25(0.69-2.08)	112	96.7	
D 56 13C8 PFOS										
507.10 > 79.90	7.029	7.029	0.0	1.000	1305112	1.86		96.9	1219	
58 PFOS										
498.90 > 79.90	7.039	7.029	0.010	1.001	128780	0.1232	Target=4.36	106	334	
498.90 > 98.80	7.029	7.029	0.0	1.000	28597		4.50(2.18-6.54)	106	115	
* 57 13C4 PFOS										
502.80 > 79.90	7.029	7.029	0.0		1527175	1.92			2655	
D 59 13C7 PFUnA										
570.00 > 525.10	7.172	7.162	0.010	1.058	1820873	1.92		96.0	6508	
60 PFUnA										
563.10 > 519.00	7.172	7.172	0.0	1.000	103204	0.1291	Target=6.42	103	917	
563.10 > 269.10	7.172	7.172	0.0	1.000	18152		5.69(3.21-9.63)	103	176	
61 9ClFOS										
530.80 > 351.00	7.342	7.333	0.009	1.045	231687	0.1235	Target=3.19	106	1866	
532.80 > 353.00	7.342	7.333	0.009	1.045	71649		3.23(1.60-4.79)	106	577	
62 PFNS										
548.80 > 79.90	7.433	7.433	0.0	1.058	101569	0.1302	Target=3.60	108	1216	
548.80 > 98.80	7.433	7.433	0.0	1.058	27257		3.73(1.80-5.40)	108	220	
63 PFDoA										
613.10 > 569.00	7.571	7.570	0.001		106905	0.1296	Target=6.08	104	495	
613.10 > 319.00	7.571	7.570	0.001		16490		6.48(3.04-9.12)	104	164	
D 81 13C2 PFDoA										
615.10 > 570.00	7.571	7.570	0.001	1.117	1600533	2.00		100	4650	
D 65 13C8 FOSA										
506.10 > 77.80	7.745	7.745	0.0	1.102	1772559	1.94		97.0	2895	
64 PFOSA										
498.10 > 77.90	7.745	7.752	-0.007	1.000	104176	0.1312	Target=49.65	105	318	
498.10 > 478.00	7.738	7.752	-0.014	0.999	1996		52.19(24.83-74.47)	105	6.3	
66 PFDS										
599.00 > 79.90	7.832	7.831	0.001	1.114	103205	0.1234	Target=3.75	102	726	
599.00 > 98.80	7.832	7.831	0.001	1.114	27045		3.82(1.88-5.63)	102	300	
67 PFTTrDA										
663.00 > 619.00	7.976	7.976	0.0	0.954	112091	0.1311	Target=5.60	105	929	
663.00 > 168.90	7.968	7.976	-0.008	0.953	19707		5.69(2.80-8.40)	105	289	
68 11ClFOS										
630.90 > 450.90	8.135	8.136	-0.001	1.157	162673	0.1242	Target=3.10	105	1209	
632.90 > 452.90	8.135	8.136	-0.001	1.157	51252		3.17(1.55-4.64)	105	597	
70 PFTeDA										
713.10 > 168.90	8.367	8.358	0.009	1.001	15964	0.1325	Target=1.16	106	238	
713.10 > 219.00	8.357	8.358	-0.001	1.000	13030		1.23(0.58-1.74)	106	146	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 69 13C2 PFTeDA										
715.20 > 670.00	8.357	8.358	-0.001	1.232	827316	2.03		102	8628	
71 PFDoS										
699.10 > 79.90	8.584	8.574	0.010	1.221	86233	0.1283	Target=4.00	106	372	
699.10 > 98.80	8.584	8.574	0.010	1.221	21188		4.07(2.00-6.00)	106	334	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.727	8.728	-0.001	1.242	624081	4.93		98.5	372	
73 N-MeFOSE-M										
616.10 > 58.90	8.754	8.741	0.013	1.003	202352	0.6964		111	72.1	
D 74 d3-NMePFOSA										
515.00 > 219.00	8.848	8.849	-0.001	1.259	436263	1.97		98.5	1359	
75 NMeFOSA										
511.90 > 219.00	8.861	8.849	0.012	1.001	29028	0.1292	Target=0.70	103	159	
511.90 > 169.00	8.861	8.849	0.012	1.001	39911		0.73(0.35-1.05)	103	119	
D 76 d9-N-EtFOSE										
639.20 > 58.90	8.975	8.976	-0.001	1.277	732781	5.00		100	325	
77 N-EtFOSE-M										
630.00 > 58.90	8.999	9.000	-0.001	1.003	279276	0.6710		107	148	M
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.079	9.069	0.010	1.292	506752	1.90		95.0	1359	
79 N-EtFOSA-M										
526.00 > 219.00	9.079	9.080	-0.001	1.000	31395	0.1339	Target=0.81	107	172	
526.00 > 169.00	9.079	9.080	-0.001	1.000	38859		0.81(0.41-1.22)	107	159	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.348	9.330	0.018	1.119	115340	0.1221	Target=18.06	97.7	1098	
913.00 > 169.00	9.348	9.330	0.018	1.119	6429		17.94(9.03-27.08)	97.7	290	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_CAL2_00034

Amount Added: 1.00

Units: mL

Data File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-02.d

Injection Date: 29-Nov-2025 11:29:20

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

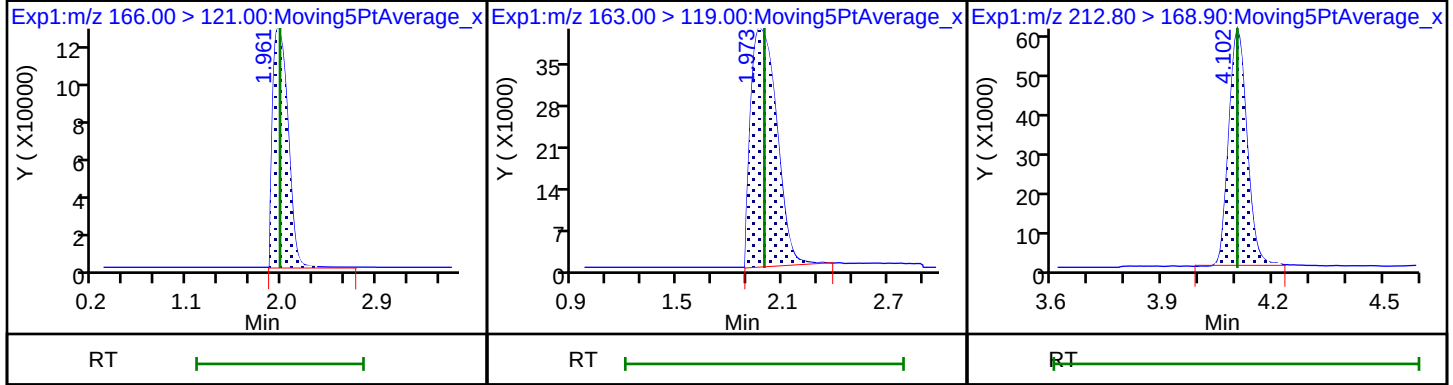
Method: 30570-1633-125ml

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid

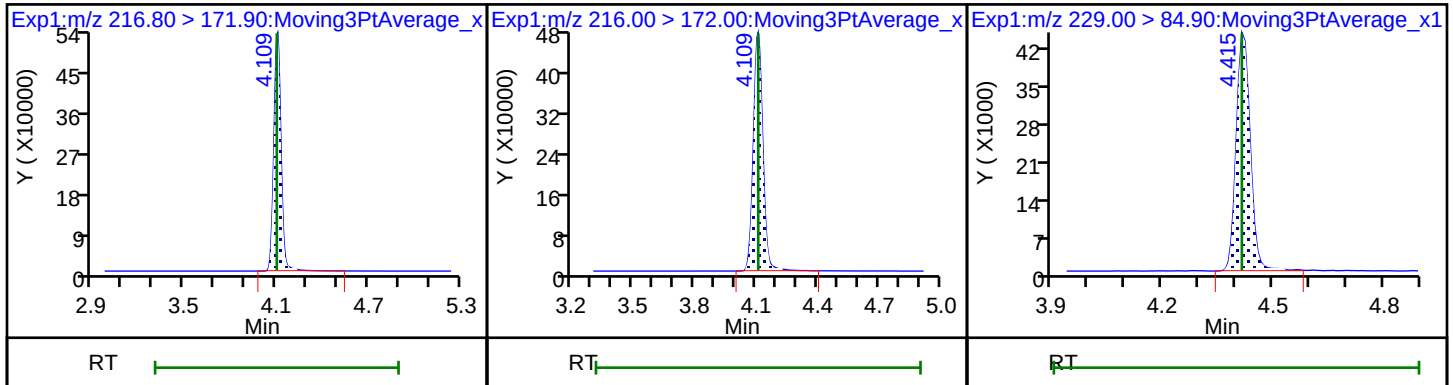
5 PFBA



D 3 13C4-PFBA

* 4 13C3PFBA

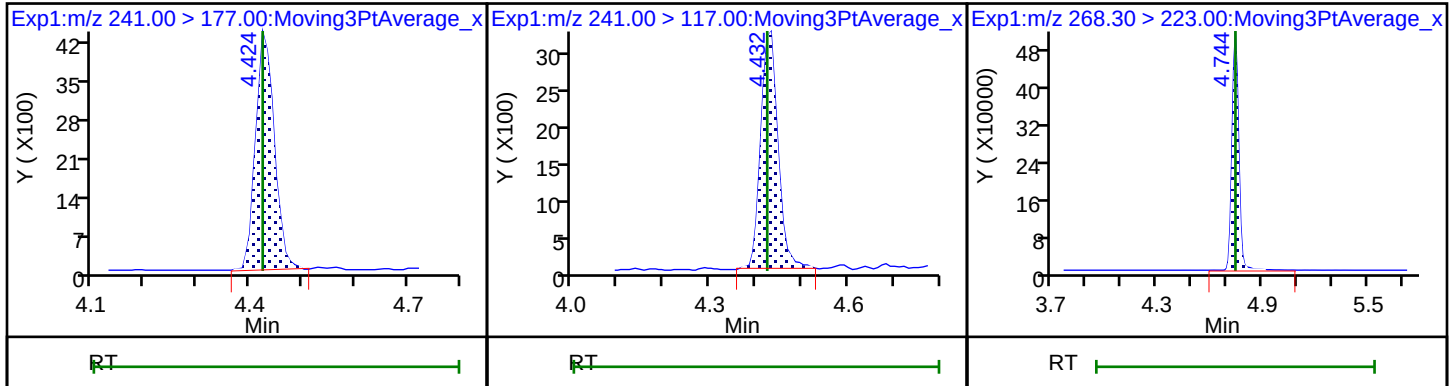
6 PFMPA



7 3:3 FTCA

7 3:3 FTCA

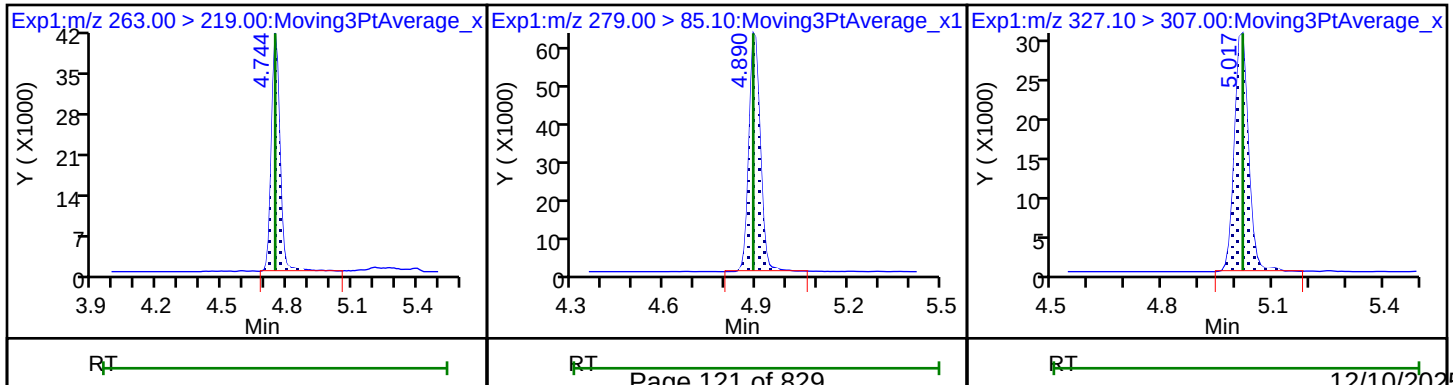
D 8 13C5 PFPeA



9 PFPA

10 PFMB A

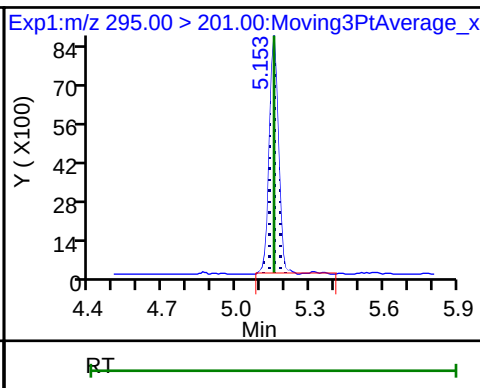
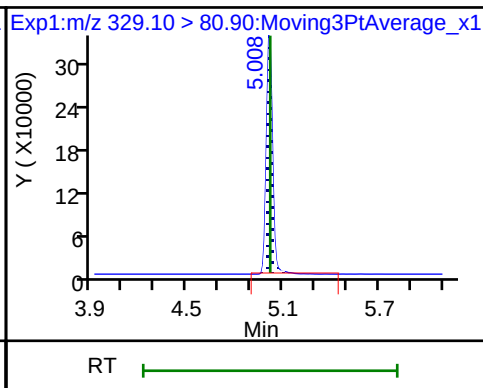
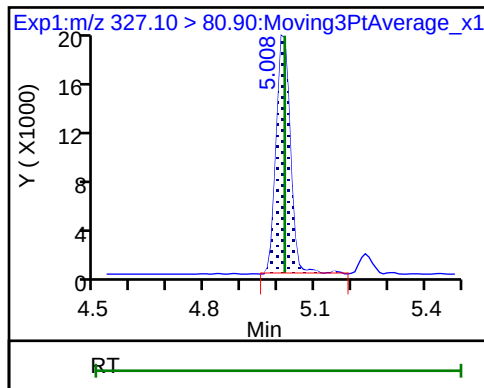
11 4:2FTS



11 4:2FTS

D 13 13C2-4:2FTS

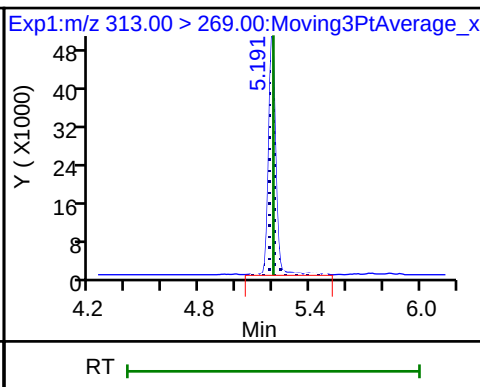
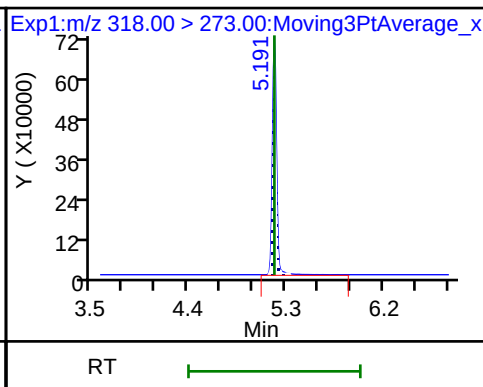
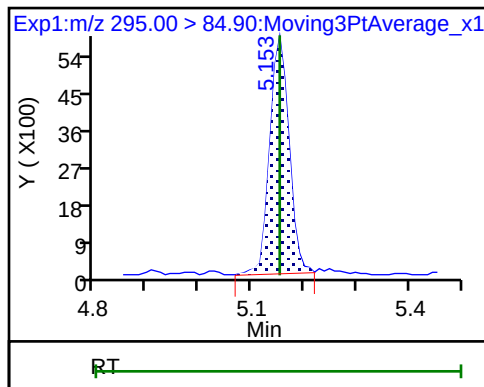
14 NFDHA



14 NFDHA

D 15 13C5 PFHxA

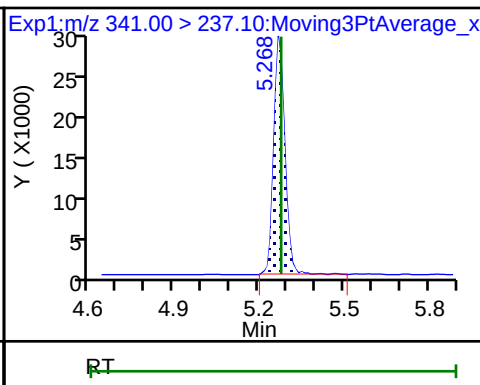
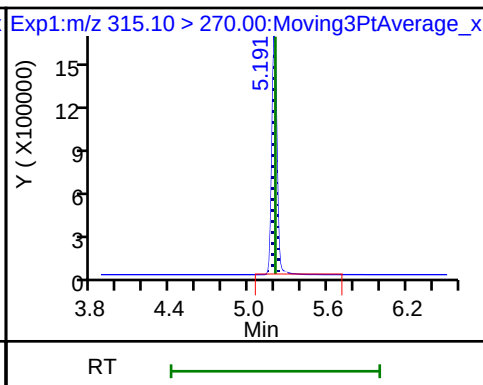
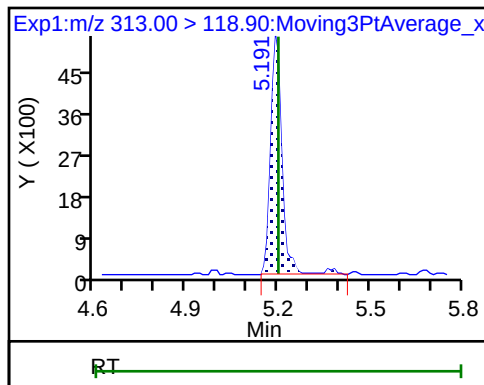
17 PFHxA



17 PFHxA

* 16 13C2 PFHxA

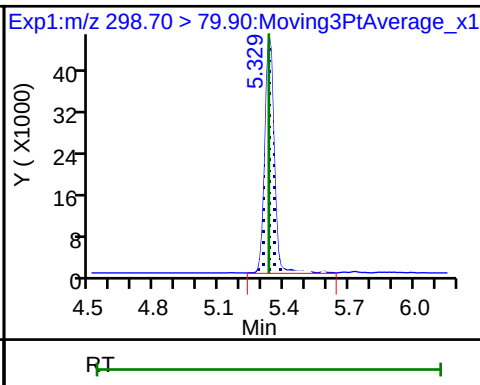
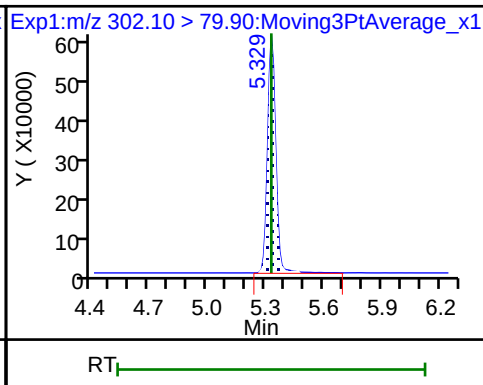
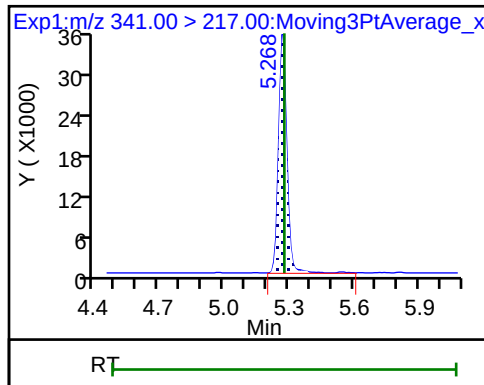
18 5:3 FTCA

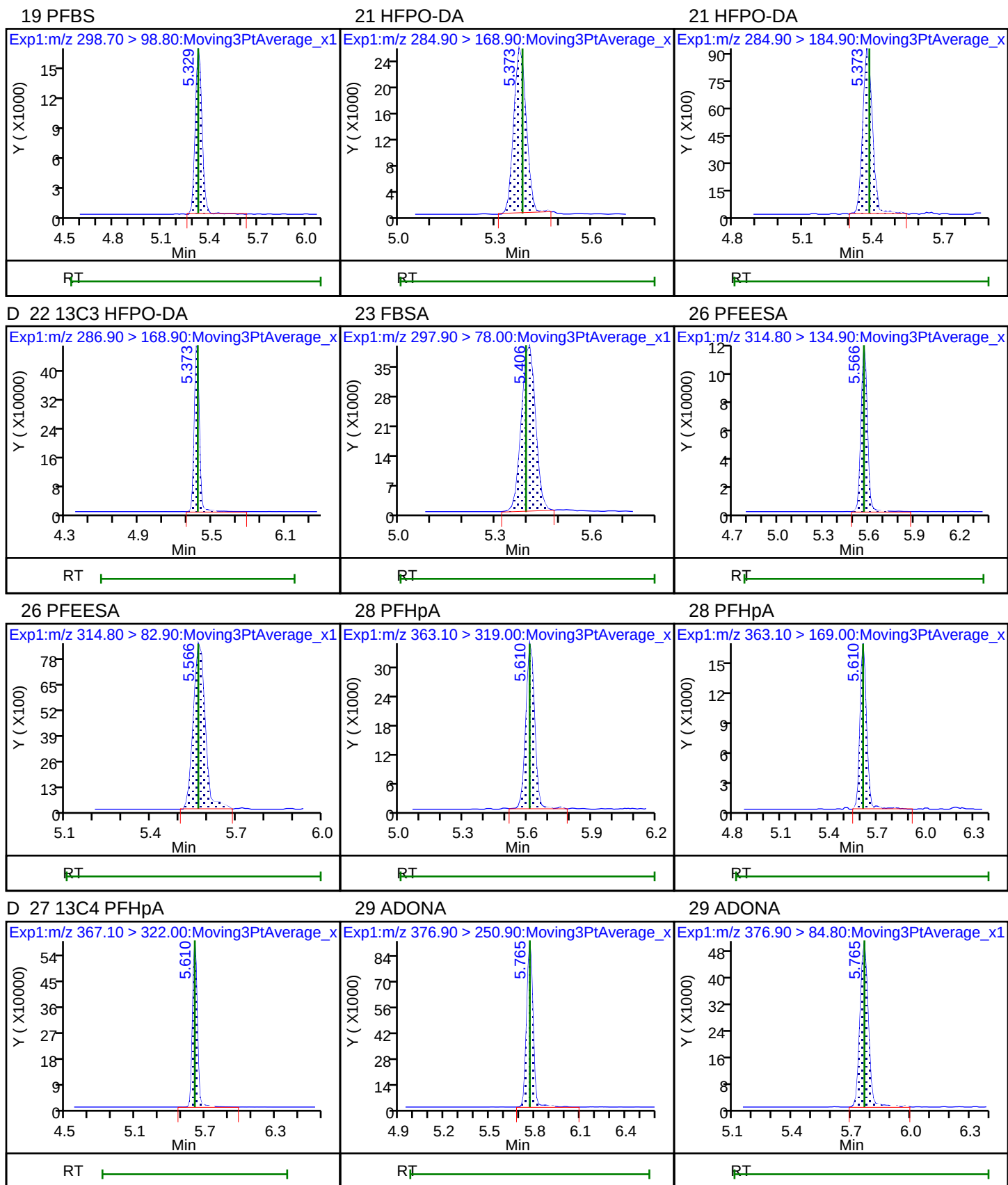


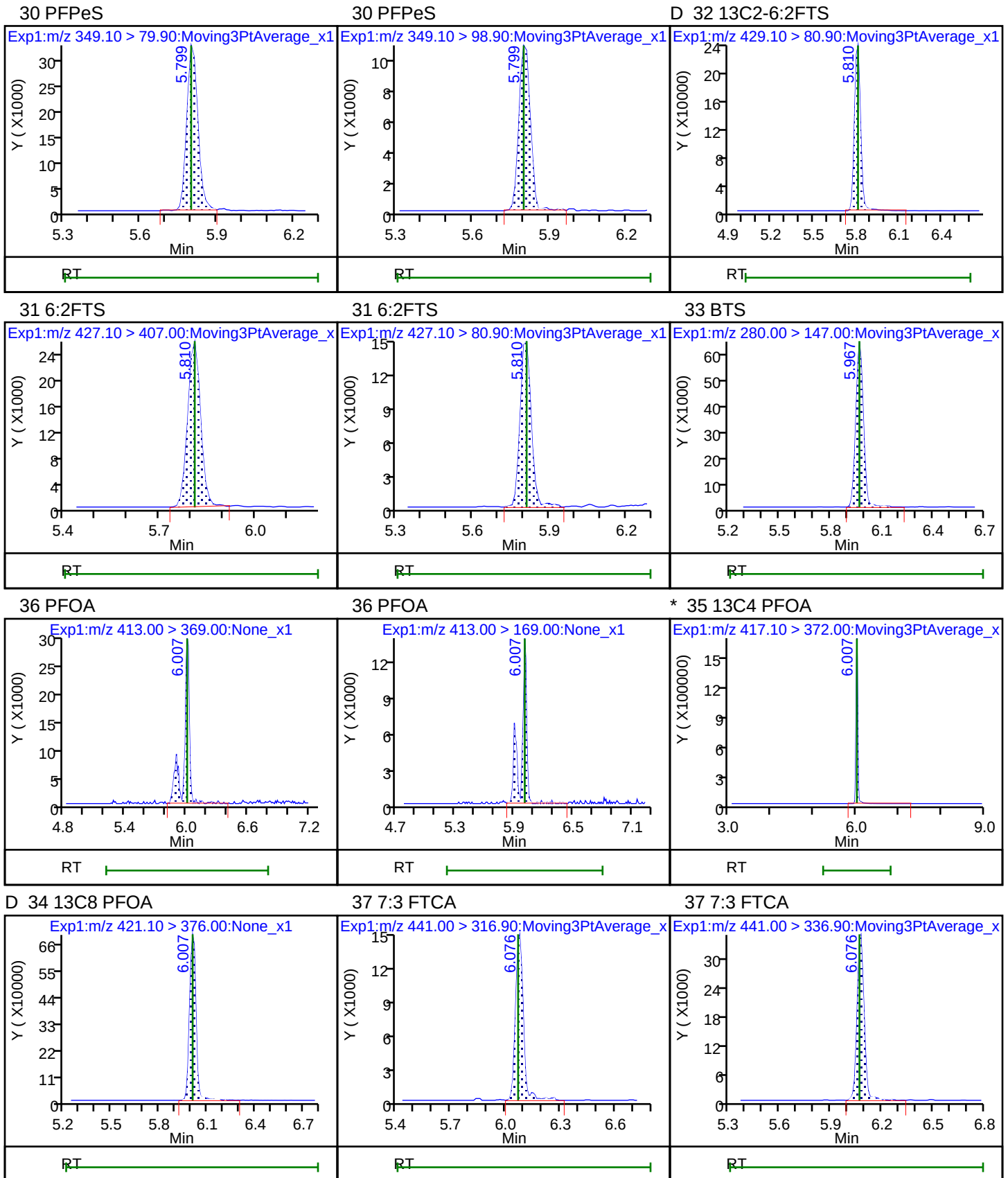
18 5:3 FTCA

D 20 13C3 PFBS

19 PFBS



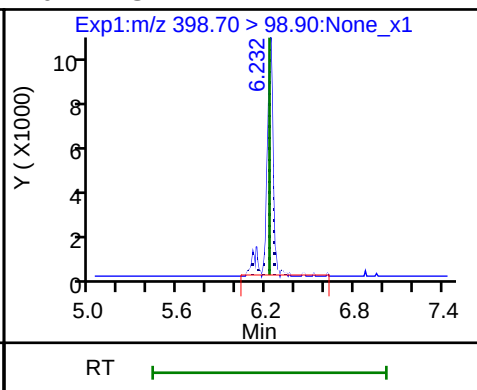
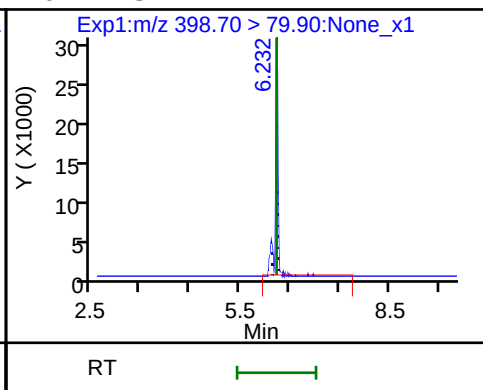
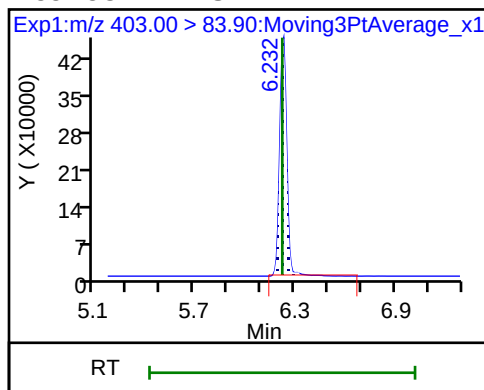




* 38 18O2 PFHxS

40 PFHxS

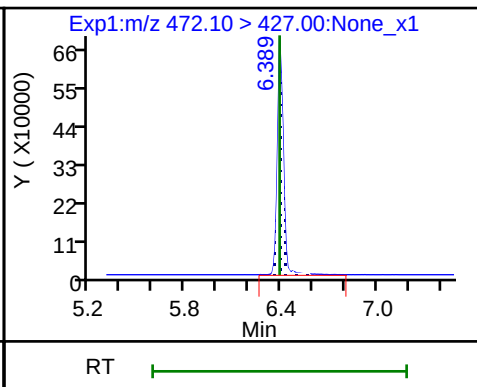
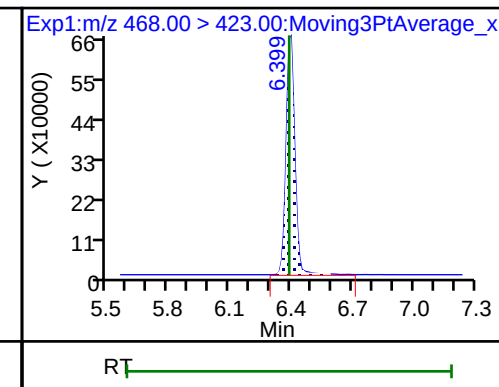
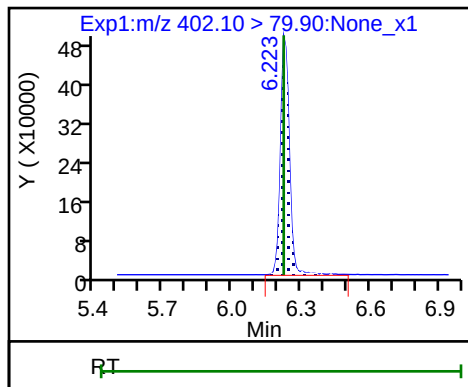
40 PFHxS



D 39 13C3 PFHxS

* 41 13C5 PFNA

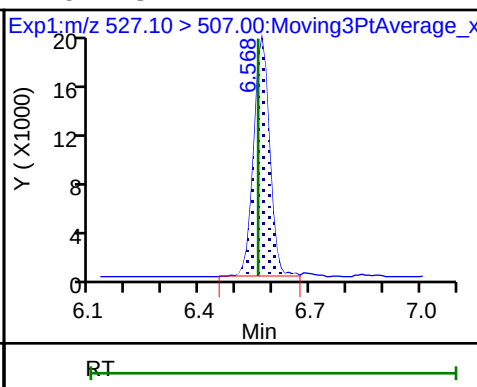
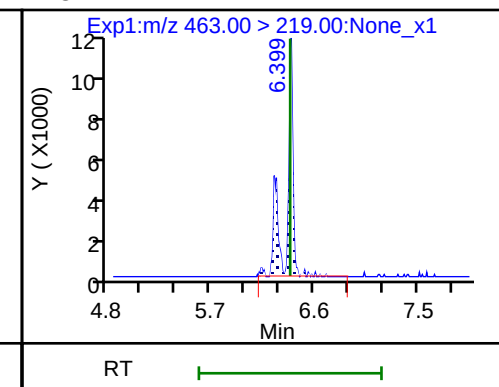
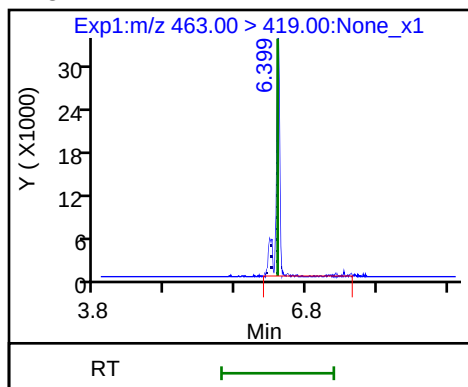
D 42 13C9 PFNA



43 PFNA

43 PFNA

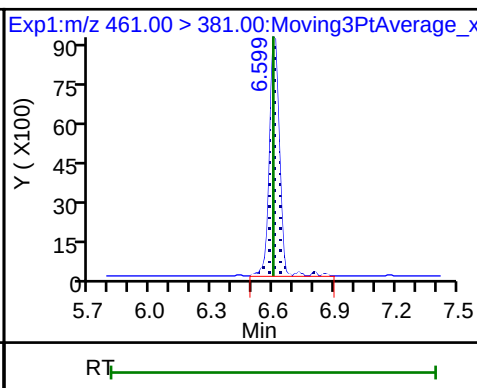
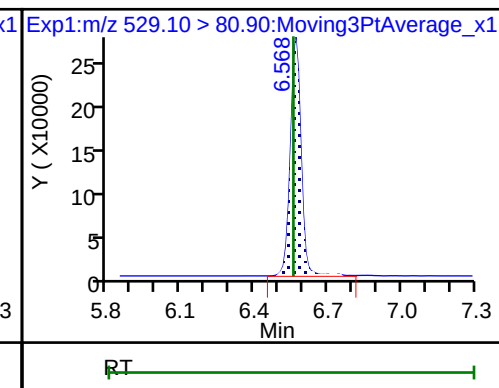
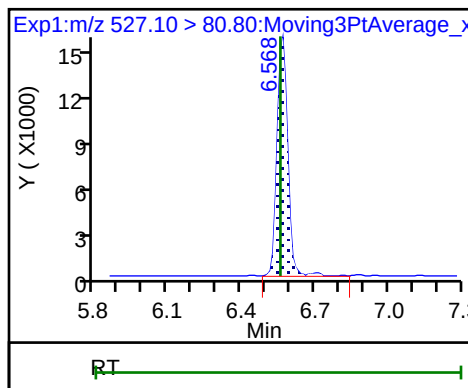
44 8:2FTS

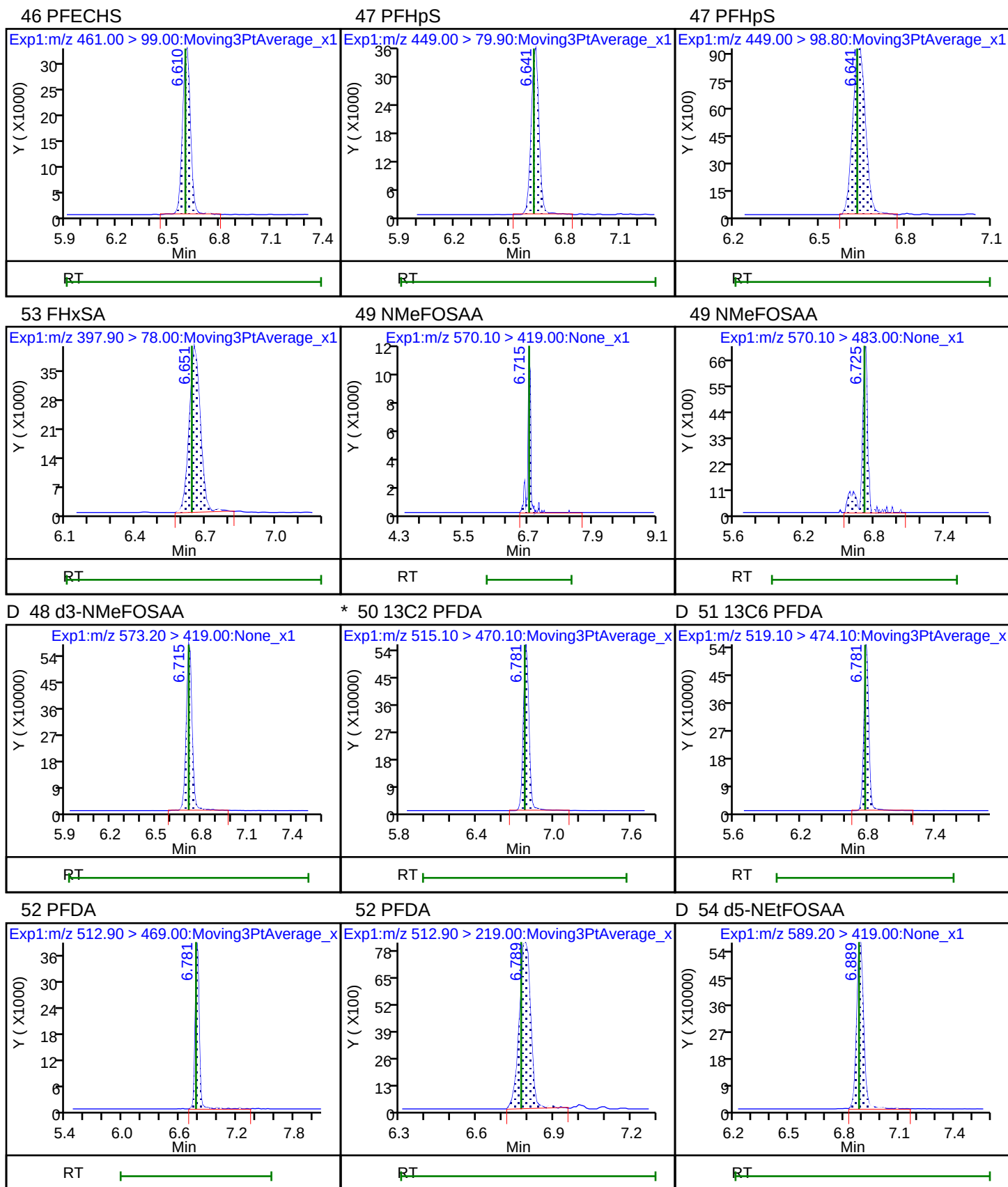


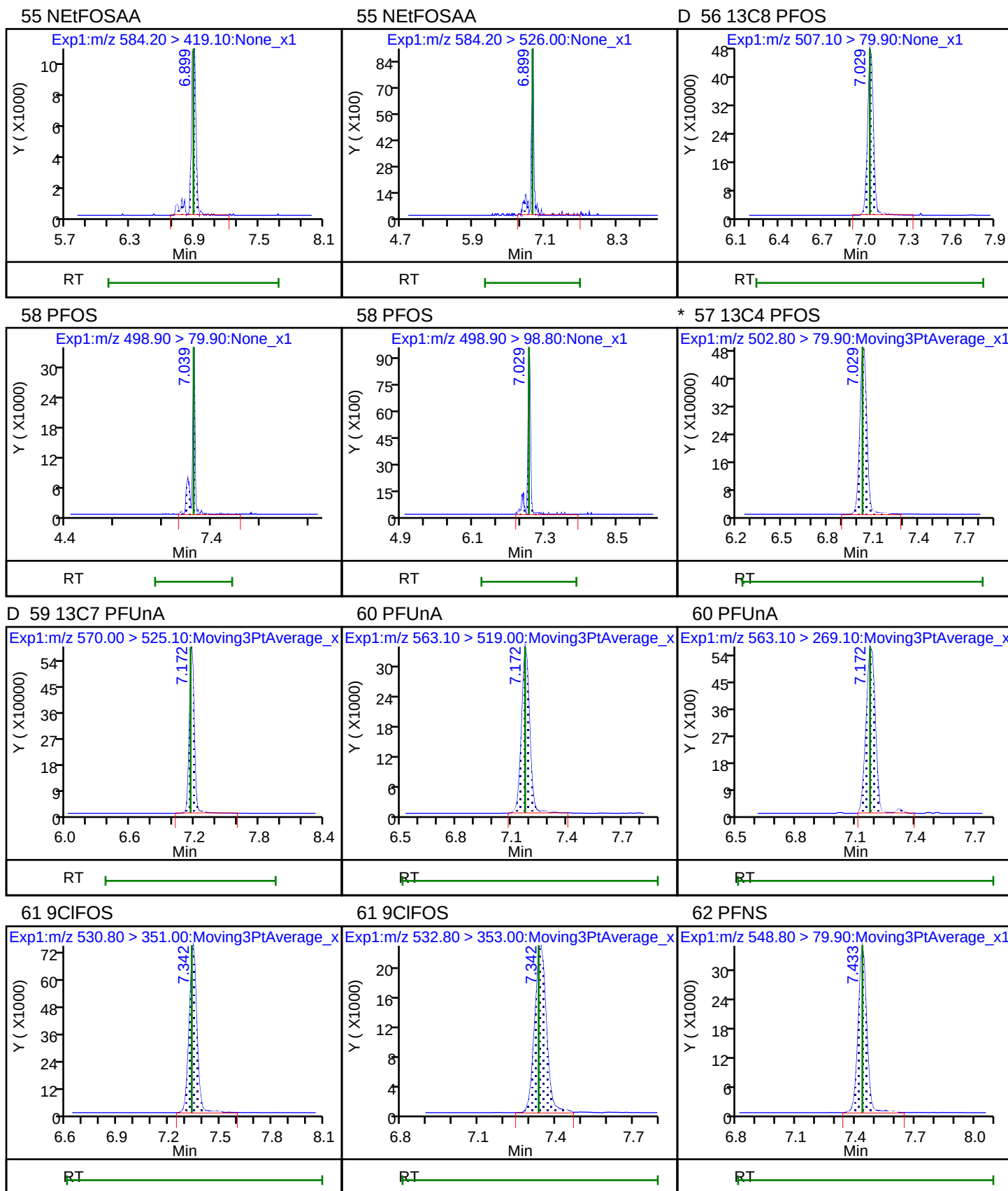
44 8:2FTS

D 45 13C2-8:2FTS

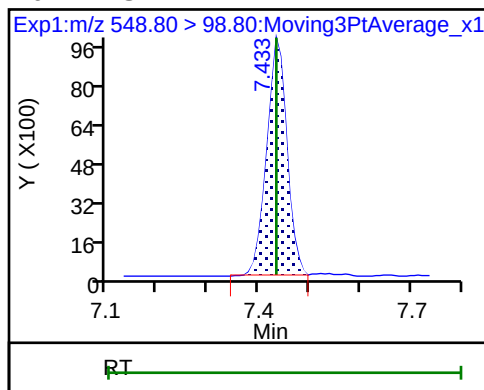
46 PFECHS



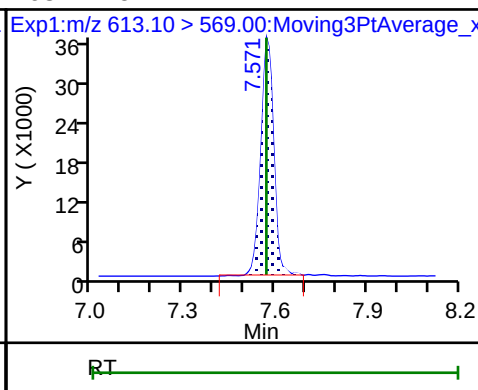




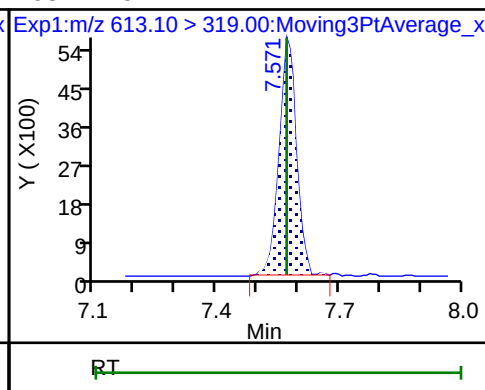
62 PFNS



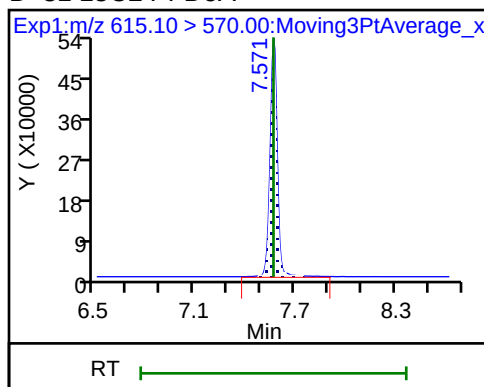
63 PFDaA



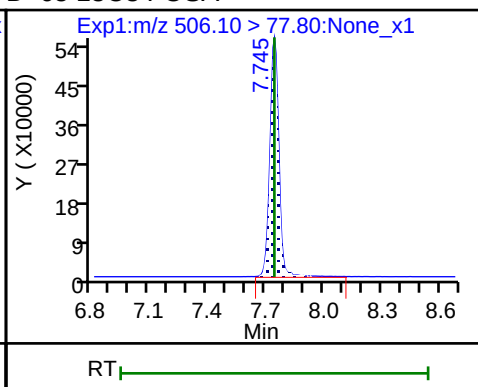
63 PFDaA



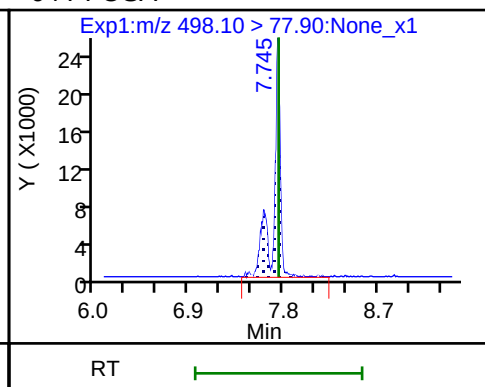
D 81 13C2 PFDaA



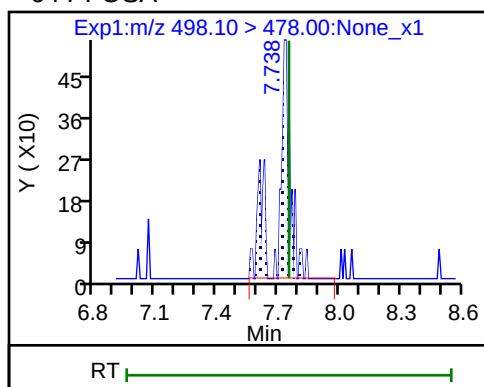
D 65 13C8 FOSA



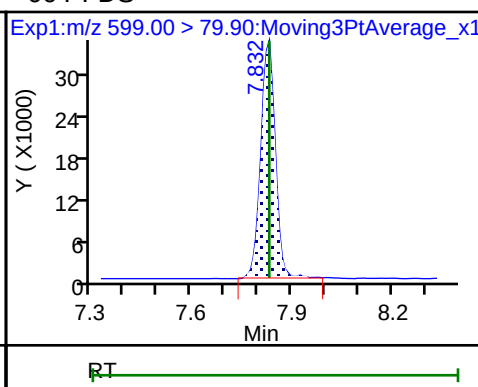
64 PFOSA



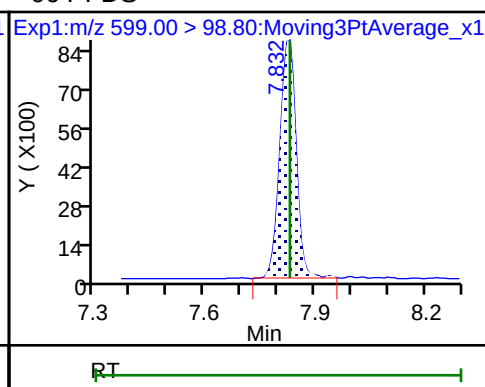
64 PFOSA



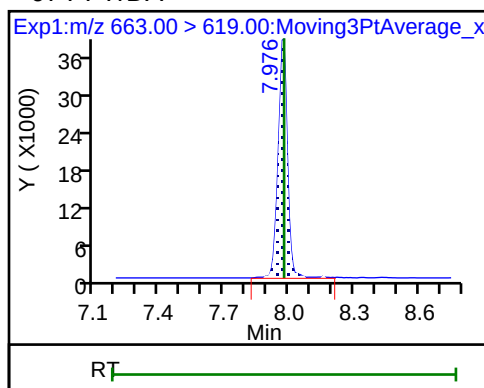
66 PFDS



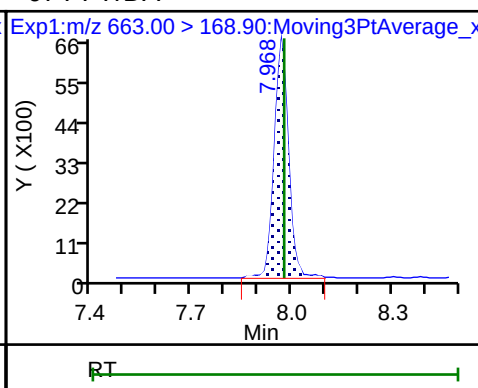
66 PFDS



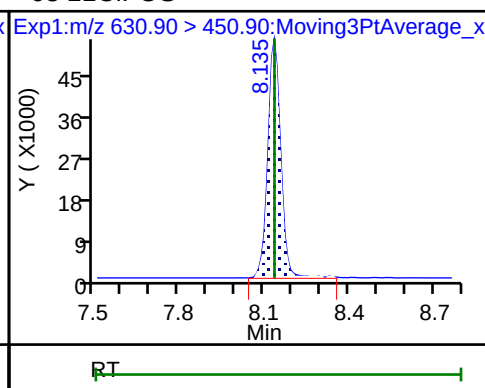
67 PFTTrDA

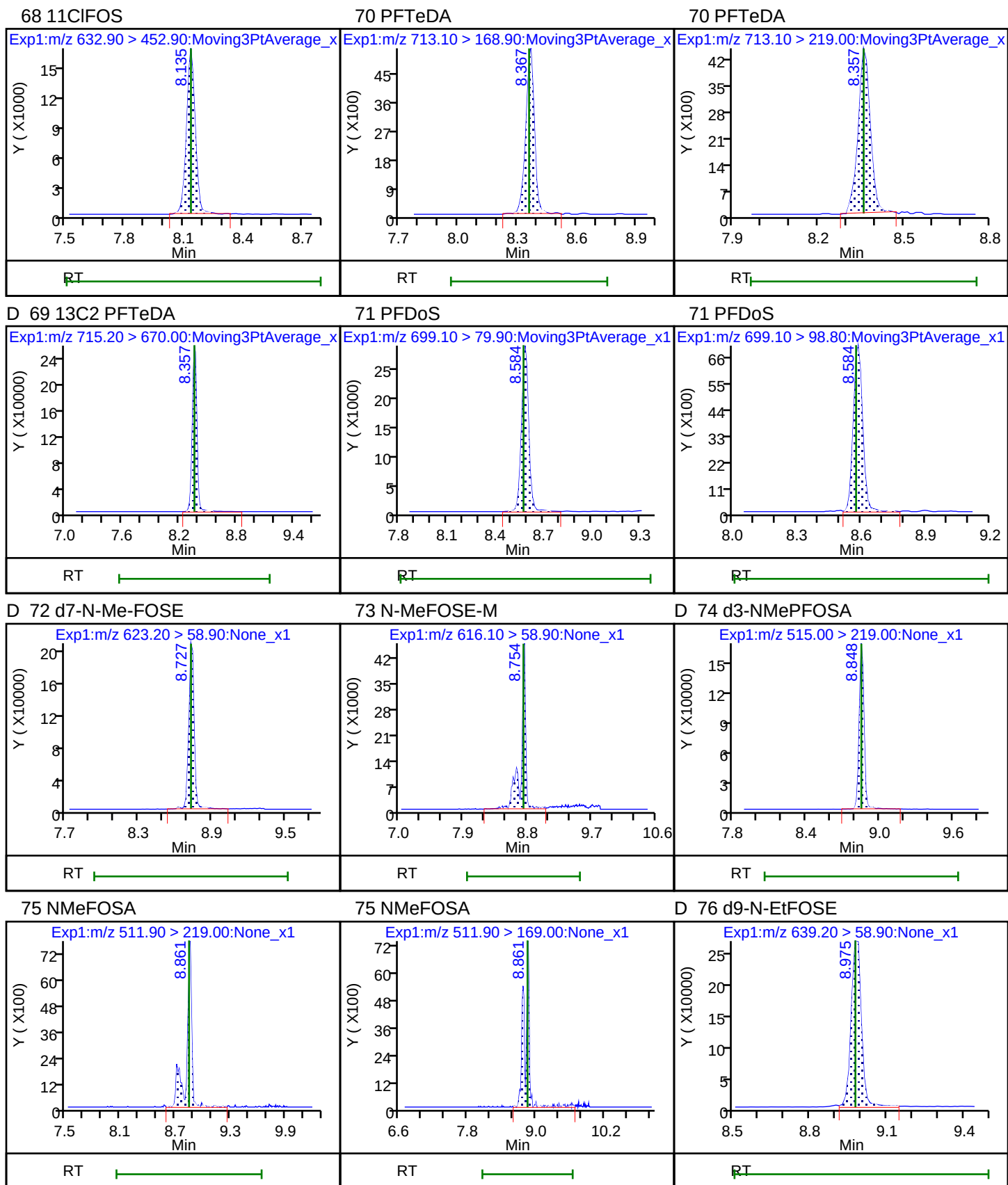


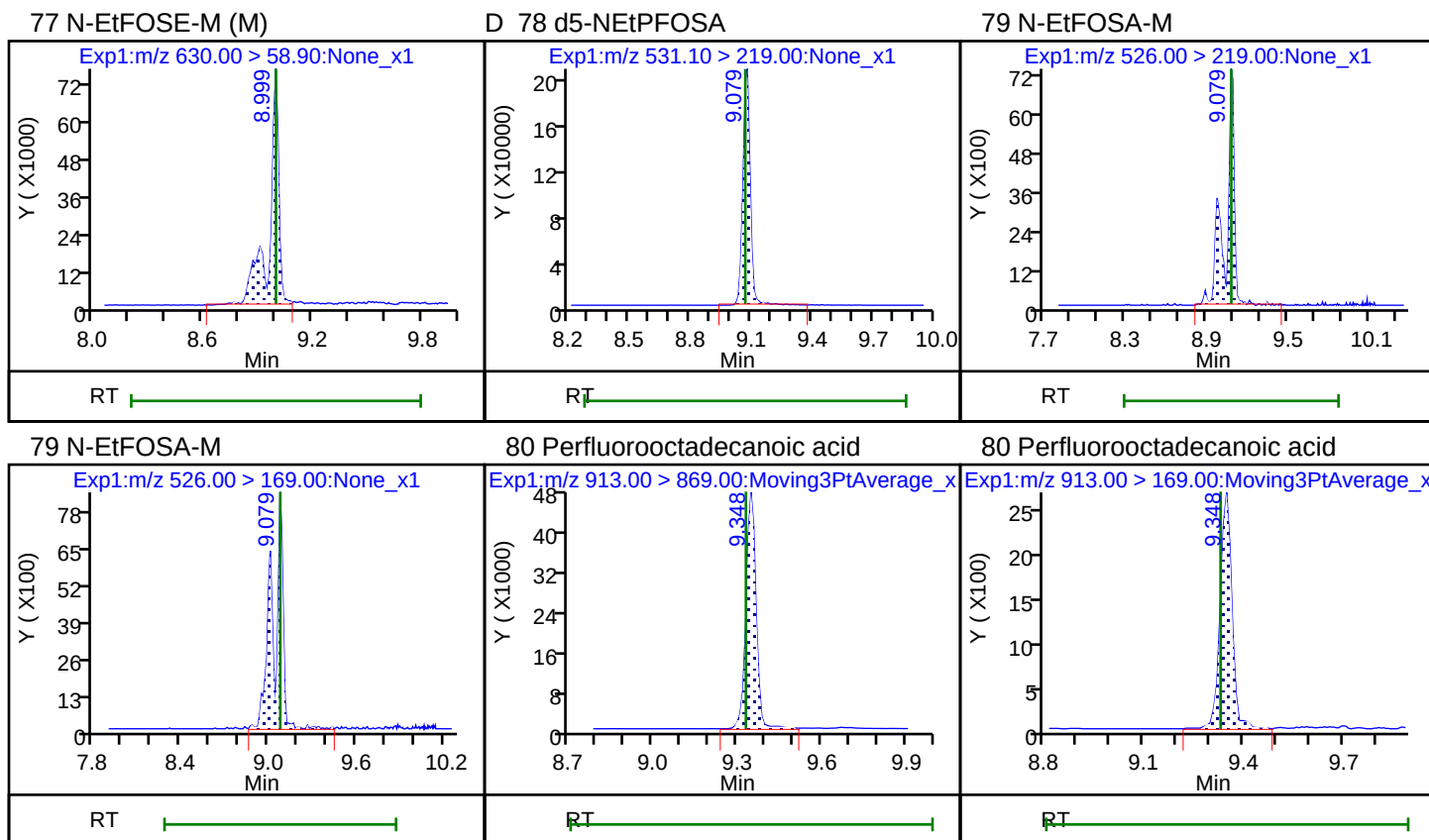
67 PFTTrDA



68 11CIFOS







Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-03.d
 Lims ID: IC CAL 3
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 29-Nov-2025 11:42:56 ALS Bottle#: 4 Worklist Smp#: 3
 Injection Vol: 7.0 ul Dil. Factor: 1.0000
 Sample Info: IC CAL 3
 Misc. Info.: Plate: 1 Rack: 1 410-0168303-003
 Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570
 Sublist: chrom-30570-1633-125ml*sub7
 Method: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\30570-1633-125ml.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 02-Dec-2025 10:38:06 Calib Date: 29-Nov-2025 12:50:55
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-08.d

Column 1 : Det: EXP1
 Process Host: CTX1614

First Level Reviewer: QY4X Date: 29-Nov-2025 13:32:14

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	1.961	1.984	-0.023	0.477	1302646	1.97		98.4	64980	
2 Perfluoropropionic acid										
163.00 > 119.00	1.973	1.996	-0.023	1.006	1544694	2.40		96.1	12528	
5 PFBA										
212.80 > 168.90	4.103	4.103	0.001	0.998	782215	0.9654		96.5	10923	
D 3 13C4-PFBA										
216.80 > 171.90	4.109	4.103	0.007	1.000	1772674	1.97		98.5	8653	
* 4 13C3PFBA										
216.00 > 172.00	4.109	4.109	0.0		1549356	2.00			1498	
6 PFMPA										
229.00 > 84.90	4.415	4.415	0.0	0.931	438275	0.4763		95.3	3188	
7 3:3 FTCA										
241.00 > 177.00	4.433	4.424	0.009	0.934	41795	0.9619	Target=1.36	96.2	681	
241.00 > 117.00	4.424	4.424	0.0	0.932	28962		1.44(0.68-2.03)	96.2	290	
D 8 13C5 PFPeA										
268.30 > 223.00	4.745	4.744	0.001	0.912	1421472	1.98		98.8	4865	
9 PFPA										
263.00 > 219.00	4.745	4.744	0.001	1.000	421018	0.4907		98.1	470	
10 PFMBBA										
279.00 > 85.10	4.897	4.890	0.007	1.032	599560	0.4895		97.9	2272	
11 4:2FTS										
327.10 > 307.00	5.027	5.017	0.010	1.000	296393	0.9429	Target=1.51	101	1529	
327.10 > 80.90	5.027	5.017	0.010	1.000	195156		1.52(0.76-2.27)	101	301	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.027	5.017	0.010	0.807	896186	4.69		100	4203	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.162	5.153	0.010	0.993	76308	0.4430	Target=1.56	88.6	442	
295.00 > 84.90	5.172	5.153	0.020	0.995	52231		1.46(0.78-2.34)	88.6	534	
D 15 13C5 PFHxA										
318.00 > 273.00	5.200	5.190	0.010	1.000	1959670	1.98		98.8	7463	
17 PFHxA										
313.00 > 269.00	5.210	5.200	0.010	1.002	456086	0.4820	Target=10.42	96.4	861	
313.00 > 118.90	5.210	5.200	0.010	1.002	45324		10.06(5.21-15.63)	96.4	408	
* 16 13C2 PFHxA										
315.10 > 270.00	5.200	5.200	0.0		4375830	5.00			4544	
18 5:3 FTCA										
341.00 > 237.10	5.288	5.278	0.010	1.017	306981	2.39	Target=0.88	95.7	2005	
341.00 > 217.00	5.288	5.278	0.010	1.017	339682		0.90(0.44-1.32)	95.7	2418	
D 20 13C3 PFBS										
302.10 > 79.90	5.340	5.329	0.011	0.857	1799989	1.83		98.1	4213	
19 PFBS										
298.70 > 79.90	5.340	5.329	0.011	1.000	521366	0.4403	Target=2.90	99.2	1150	
298.70 > 98.80	5.340	5.329	0.011	1.000	176186		2.96(1.45-4.35)	99.2	1370	
21 HFPO-DA										
284.90 > 168.90	5.384	5.384	0.0	1.000	238397	0.3524	Target=2.63	94.0	722	
284.90 > 184.90	5.384	5.384	0.0	1.000	86527		2.76(1.31-3.94)	94.0	489	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.384	5.384	0.0	1.035	1307025	1.92		95.9	4188	
23 FBSA										
297.90 > 78.00	5.406	5.395	0.011	1.012	490128	0.4914		98.3	2026	
26 PFEESA										
314.80 > 134.90	5.578	5.566	0.012	1.073	1179374	0.4128	Target=12.57	92.6	3178	
314.80 > 82.90	5.578	5.566	0.012	1.073	94282		12.51(6.29-18.86)	92.6	561	
28 PFHpA										
363.10 > 319.00	5.621	5.610	0.011	1.000	388525	0.4907	Target=2.27	98.1	833	
363.10 > 169.00	5.621	5.610	0.011	1.000	175176		2.22(1.13-3.40)	98.1	792	
D 27 13C4 PFHpA										
367.10 > 322.00	5.621	5.610	0.011	1.081	1665231	1.97		98.7	3964	
29 ADONA										
376.90 > 250.90	5.776	5.765	0.011	1.073	1018472	0.4728	Target=1.85	100.0	1735	
376.90 > 84.80	5.776	5.765	0.011	1.073	533934		1.91(0.93-2.78)	100.0	1822	
30 PFPeS										
349.10 > 79.90	5.810	5.799	0.011	0.932	403802	0.4532	Target=3.26	96.4	2526	
349.10 > 98.90	5.810	5.799	0.011	0.932	119531		3.38(1.63-4.89)	96.4	960	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.810	5.810	0.0	0.932	733505	5.08		107	2741	
31 6:2FTS										
427.10 > 407.00	5.810	5.810	0.0	1.000	258204	0.8910	Target=1.69	93.6	106	
427.10 > 80.90	5.810	5.810	0.0	1.000	148994		1.73(0.85-2.54)	93.6	91.2	
33 BTS										
280.00 > 147.00	5.977	5.967	0.010	0.959	741363	0.4583		93.6	1746	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
36 PFOA										
413.00 > 369.00	6.018	6.007	0.011	1.000	393479	0.4888	Target=2.18	97.8	436	
413.00 > 169.00	6.018	6.007	0.011	1.000	186538		2.11(1.09-3.27)	97.8	272	
* 35 13C4 PFOA										
417.10 > 372.00	6.018	6.007	0.011		5066796	5.00			23339	
D 34 13C8 PFOA										
421.10 > 376.00	6.018	6.007	0.011	1.000	1946607	1.86		93.0	1119	
37 7:3 FTCA										
441.00 > 316.90	6.076	6.067	0.009	1.168	162267	2.39	Target=0.46	95.7	1151	
441.00 > 336.90	6.085	6.067	0.018	1.170	349820		0.46(0.23-0.69)	95.7	1449	
D 39 13C3 PFHxS										
402.10 > 79.90	6.232	6.223	0.009	1.000	1346336	1.86		98.3	2390	
* 38 18O2 PFHxS										
403.00 > 83.90	6.232	6.223	0.009		1346998	1.90			5192	
40 PFHxS										
398.70 > 79.90	6.232	6.223	0.009	1.000	356728	0.4286	Target=3.38	94.0	545	
398.70 > 98.90	6.232	6.223	0.009	1.000	110783		3.22(1.69-5.07)	94.0	339	
43 PFNA										
463.00 > 419.00	6.399	6.389	0.010	1.000	398526	0.4718	Target=2.51	94.4	822	
463.00 > 219.00	6.389	6.389	0.0	0.998	154164		2.59(1.25-3.76)	94.4	254	
* 41 13C5 PFNA										
468.00 > 423.00	6.399	6.389	0.010		1929299	2.00			7977	
D 42 13C9 PFNA										
472.10 > 427.00	6.399	6.389	0.010	1.000	1832501	1.97		98.7	1872	
44 8:2FTS										
527.10 > 507.00	6.569	6.558	0.011	1.000	234200	0.9584	Target=1.31	99.8	623	
527.10 > 80.80	6.579	6.558	0.021	1.002	176596		1.33(0.66-1.97)	99.8	818	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.569	6.558	0.011	1.054	888393	4.93		103	1073	
46 PFECHS										
461.00 > 381.00	6.610	6.600	0.010	1.061	109714	0.4363	Target=0.28	94.4	540	
461.00 > 99.00	6.610	6.600	0.010	1.061	389949		0.28(0.14-0.42)	94.4	1691	
47 PFHpS										
449.00 > 79.90	6.641	6.631	0.010	0.943	400310	0.4594	Target=3.66	96.3	1785	
449.00 > 98.80	6.641	6.631	0.010	0.943	110572		3.62(1.83-5.50)	96.3	521	
53 FHxSA										
397.90 > 78.00	6.662	6.641	0.021	1.069	501046	0.4742		94.8	894	
49 NMeFOSAA										
570.10 > 419.00	6.725	6.715	0.010	1.000	154188	0.4907	Target=1.85	98.1	192	
570.10 > 483.00	6.725	6.715	0.010	1.000	79644		1.94(0.93-2.78)	98.1	199	
D 48 d3-NMeFOSAA										
573.20 > 419.00	6.725	6.715	0.010	0.955	1590730	5.01		100	1577	
* 50 13C2 PFDA										
515.10 > 470.10	6.790	6.772	0.018		1695356	2.00			5578	
D 51 13C6 PFDA										
519.10 > 474.10	6.790	6.772	0.018	1.000	1688519	1.96		98.2	3149	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
52 PFDA										
512.90 > 469.00	6.790	6.772	0.018	1.000	380556	0.4509	Target=4.24	90.2	3625	
512.90 > 219.00	6.790	6.772	0.018	1.000	96833		3.93(2.12-6.36)	90.2	798	
D 54 d5-NEtFOSAA										
589.20 > 419.00	6.889	6.880	0.009	0.979	1699250	5.34		107	2023	
55 NEtFOSAA										
584.20 > 419.10	6.899	6.889	0.010	1.001	124912	0.4799	Target=1.39	96.0	316	
584.20 > 526.00	6.899	6.889	0.010	1.001	84122		1.48(0.69-2.08)	96.0	227	
D 56 13C8 PFOS										
507.10 > 79.90	7.039	7.029	0.010	1.000	1357710	1.89		98.4	1642	
58 PFOS										
498.90 > 79.90	7.039	7.029	0.010	1.000	478807	0.4403	Target=4.36	94.7	1171	
498.90 > 98.80	7.049	7.029	0.020	1.001	111492		4.29(2.18-6.54)	94.7	402	
* 57 13C4 PFOS										
502.80 > 79.90	7.039	7.029	0.010		1563947	1.92			3635	
D 59 13C7 PFUnA										
570.00 > 525.10	7.183	7.162	0.021	1.058	1857233	1.90		95.0	7459	
60 PFUnA										
563.10 > 519.00	7.183	7.172	0.011	1.000	381981	0.4684	Target=6.42	93.7	2058	
563.10 > 269.10	7.183	7.172	0.011	1.000	58671		6.51(3.21-9.63)	93.7	417	
61 9ClFOS										
530.80 > 351.00	7.351	7.333	0.018	1.044	890891	0.4564	Target=3.19	97.7	5298	
532.80 > 353.00	7.351	7.333	0.018	1.044	265532		3.36(1.60-4.79)	97.7	1226	
62 PFNS										
548.80 > 79.90	7.442	7.433	0.009	1.057	363727	0.4483	Target=3.60	93.2	996	
548.80 > 98.80	7.442	7.433	0.009	1.057	100058		3.64(1.80-5.40)	93.2	479	
63 PFDoA										
613.10 > 569.00	7.586	7.570	0.016		381870	0.4854	Target=6.08	97.1	1681	
613.10 > 319.00	7.586	7.570	0.016		62975		6.06(3.04-9.12)	97.1	282	
D 81 13C2 PFDoA										
615.10 > 570.00	7.586	7.570	0.016	1.117	1526824	1.85		92.6	2838	
D 65 13C8 FOSA										
506.10 > 77.80	7.753	7.745	0.008	1.101	1807167	1.93		96.6	2959	
64 PFOSA										M
498.10 > 77.90	7.761	7.752	0.008	1.001	388474	0.4800	Target=49.65	96.0	1058	
498.10 > 478.00	7.738	7.752	-0.014	0.998	7337		52.95(24.83-74.47)	96.0	15.3	M
66 PFDS										
599.00 > 79.90	7.840	7.831	0.009	1.114	400447	0.4603	Target=3.75	95.5	1860	
599.00 > 98.80	7.840	7.831	0.009	1.114	105454		3.80(1.88-5.63)	95.5	655	
67 PFTTrDA										
663.00 > 619.00	7.976	7.976	0.0	0.954	406233	0.4862	Target=5.60	97.2	2636	
663.00 > 168.90	7.976	7.976	0.0	0.954	72499		5.60(2.80-8.40)	97.2	708	
68 11ClFOS										
630.90 > 450.90	8.145	8.136	0.009	1.157	612620	0.4495	Target=3.10	95.2	3849	
632.90 > 452.90	8.145	8.136	0.009	1.157	191509		3.20(1.55-4.64)	95.2	864	
70 PFTeDA										
713.10 > 168.90	8.367	8.358	0.009	1.001	53922	0.4379	Target=1.16	87.6	555	
713.10 > 219.00	8.367	8.358	0.009	1.001	51096		1.06(0.58-1.74)	87.6	897	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 69 13C2 PFTeDA										
715.20 > 670.00	8.357	8.358	-0.001	1.231	845283	2.01		101	3073	
71 PFDoS										
699.10 > 79.90	8.584	8.574	0.010	1.220	320224	0.4579	Target=4.00	94.4	1009	
699.10 > 98.80	8.584	8.574	0.010	1.220	81156		3.95(2.00-6.00)	94.4	698	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.727	8.728	-0.001	1.240	617511	4.76		95.2	408	
73 N-MeFOSE-M										
616.10 > 58.90	8.754	8.741	0.013	1.003	700680	2.44		97.5	272	
D 74 d3-NMePFOSA										
515.00 > 219.00	8.848	8.849	-0.001	1.257	437896	1.93		96.5	1478	
75 NMeFOSA										
511.90 > 219.00	8.861	8.849	0.012	1.001	110784	0.4911	Target=0.70	98.2	510	
511.90 > 169.00	8.861	8.849	0.012	1.001	155655		0.71(0.35-1.05)	98.2	391	
D 76 d9-N-EtFOSE										
639.20 > 58.90	8.975	8.976	-0.001	1.275	719250	4.80		95.9	361	
77 N-EtFOSE-M										
630.00 > 58.90	8.999	9.000	-0.001	1.003	1055639	2.58		103	666	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.068	9.069	-0.001	1.288	526584	1.93		96.4	1172	
79 N-EtFOSA-M										
526.00 > 219.00	9.079	9.080	-0.001	1.001	116315	0.4773	Target=0.81	95.5	646	
526.00 > 169.00	9.079	9.080	-0.001	1.001	146112		0.80(0.41-1.22)	95.5	721	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.348	9.330	0.018	1.119	436028	0.4517	Target=18.06	90.3	3019	
913.00 > 169.00	9.348	9.330	0.018	1.119	24624		17.71(9.03-27.08)	90.3	713	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_CAL3_00034

Amount Added: 1.00

Units: mL

Data File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-03.d

Injection Date: 29-Nov-2025 11:42:56

Instrument ID: 30570

Lims ID: IC CAL 3

Client ID:

Operator ID: ETUS023_USR_INS00003

ALS Bottle#: 4

Worklist Smp#: 3

Injection Vol: 7.0 ul

Dil. Factor: 1.0000

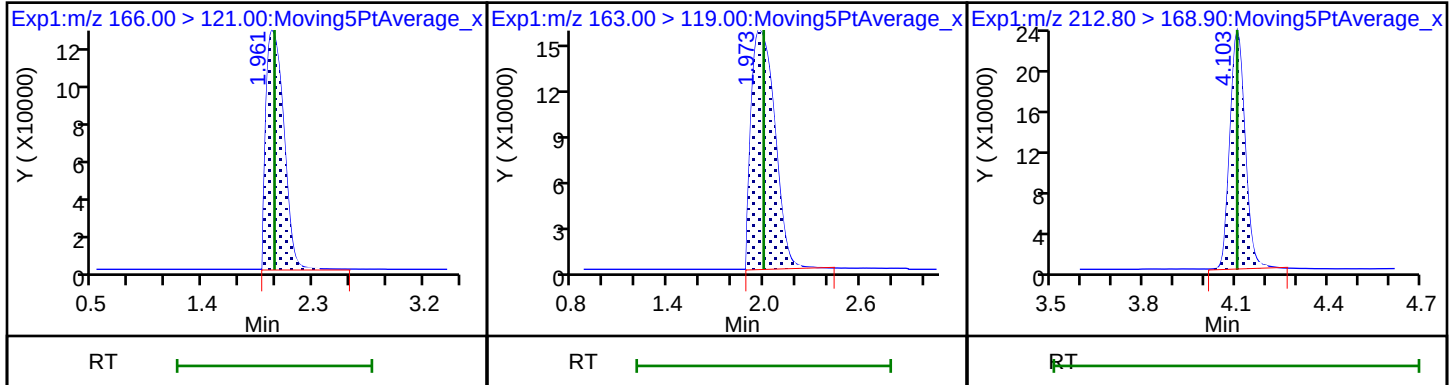
Method: 30570-1633-125ml

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid

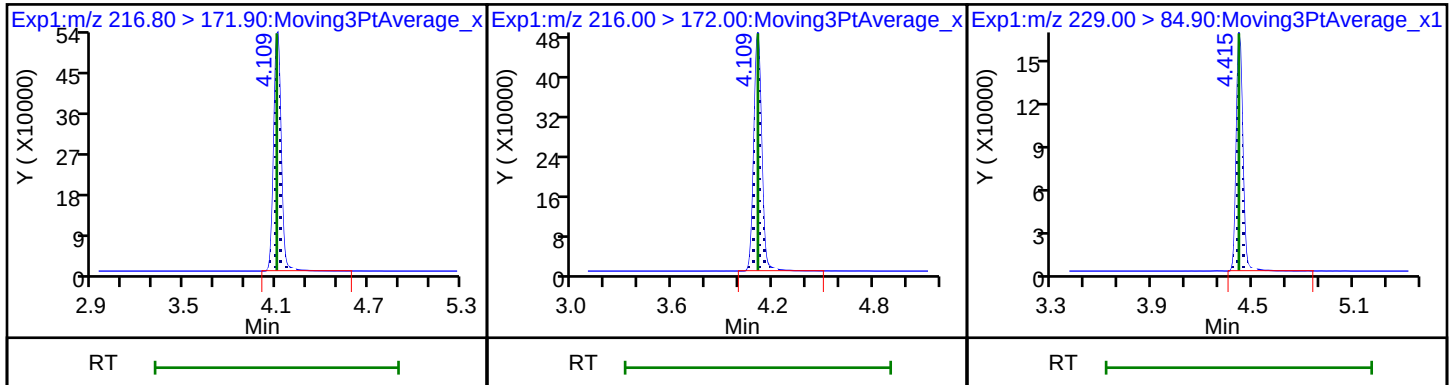
5 PFBA



D 3 13C4-PFBA

* 4 13C3PFBA

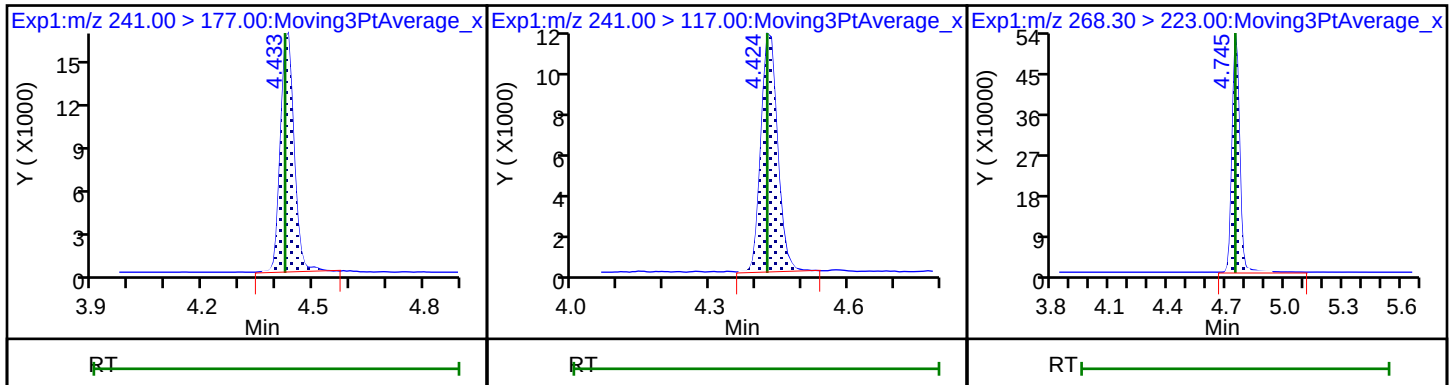
6 PFMPA



7 3:3 FTCA

7 3:3 FTCA

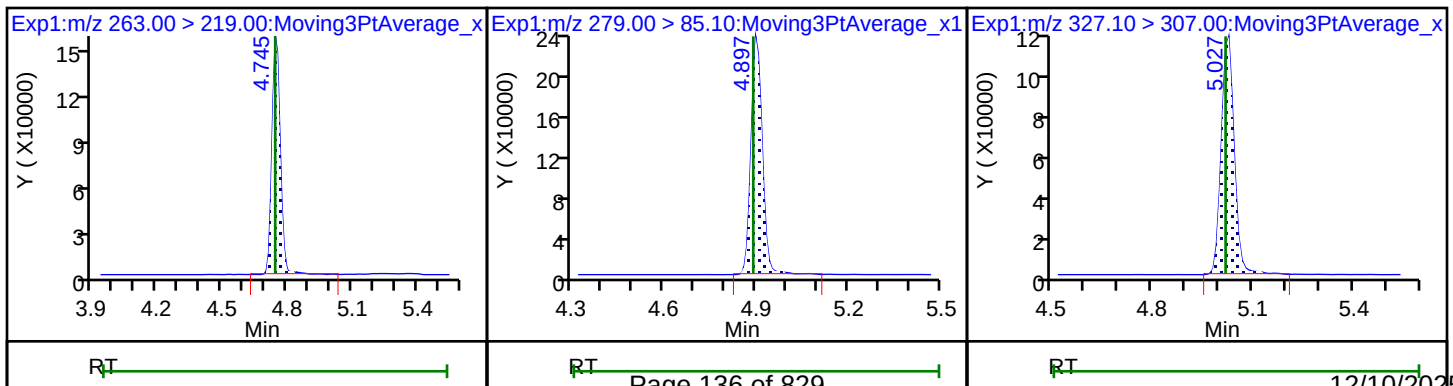
D 8 13C5 PFPeA



9 PFPA

10 PFMB A

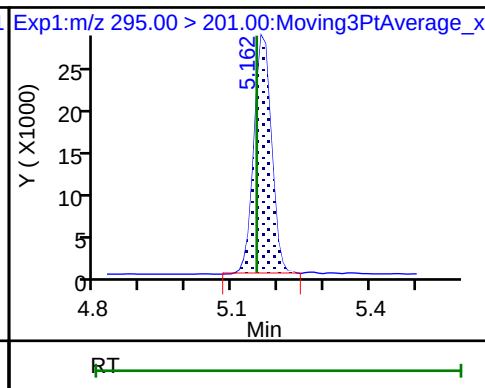
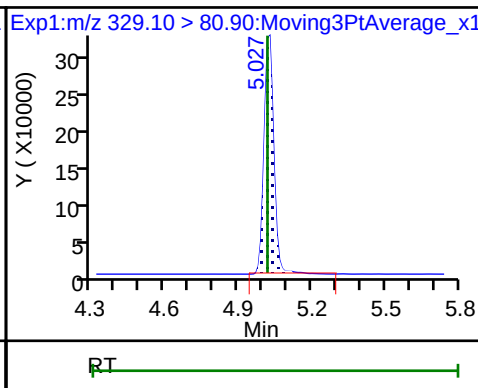
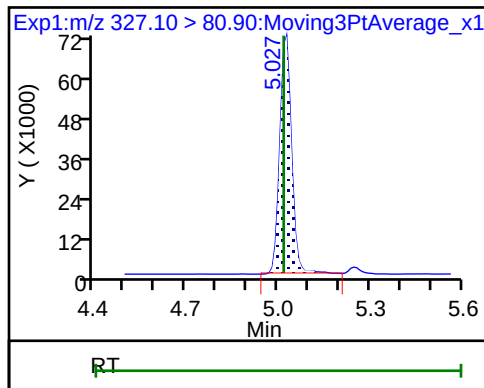
11 4:2FTS



11 4:2FTS

D 13 13C2-4:2FTS

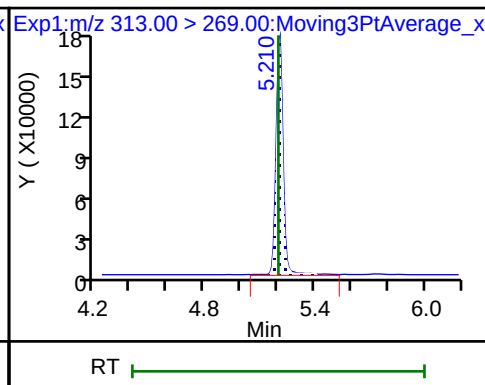
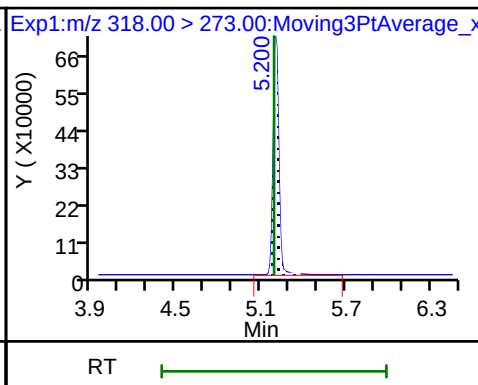
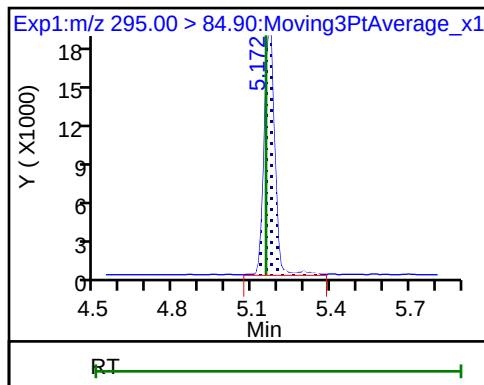
14 NFDHA



14 NFDHA

D 15 13C5 PFHxA

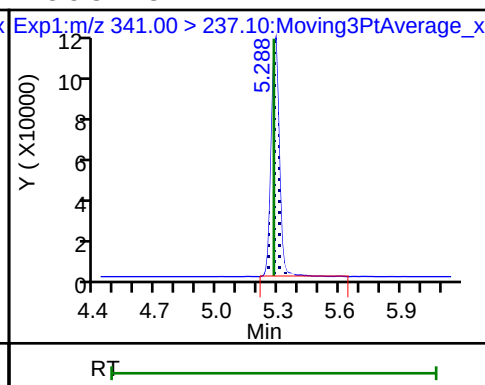
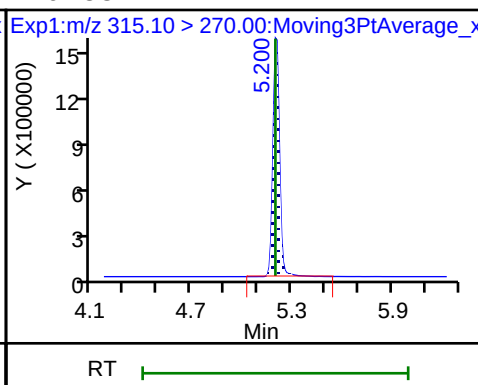
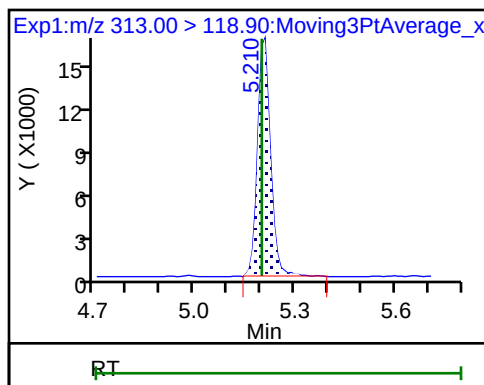
17 PFHxA



17 PFHxA

* 16 13C2 PFHxA

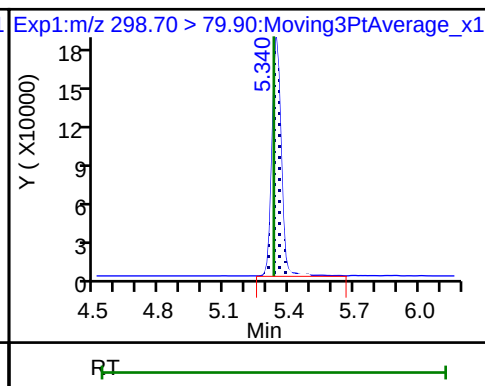
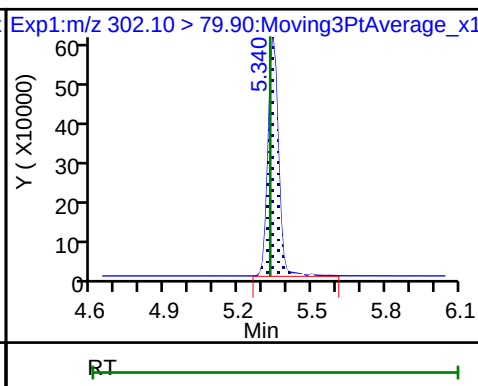
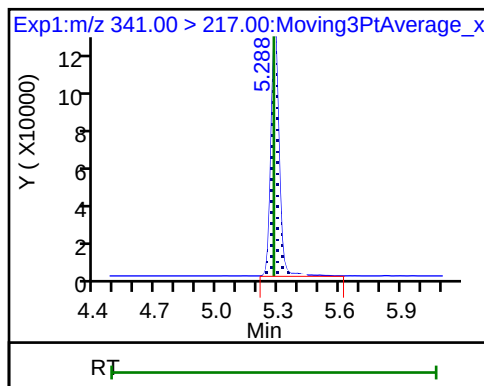
18 5:3 FTCA



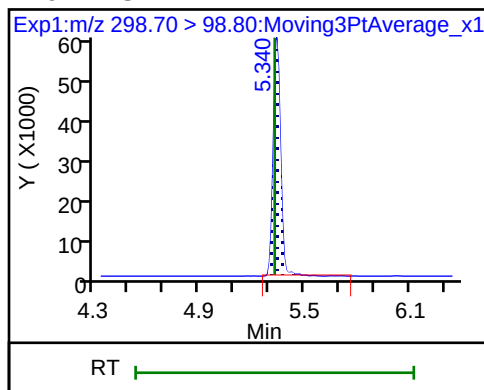
18 5:3 FTCA

D 20 13C3 PFBS

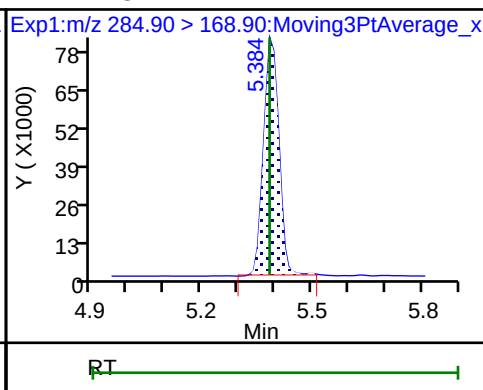
19 PFBS



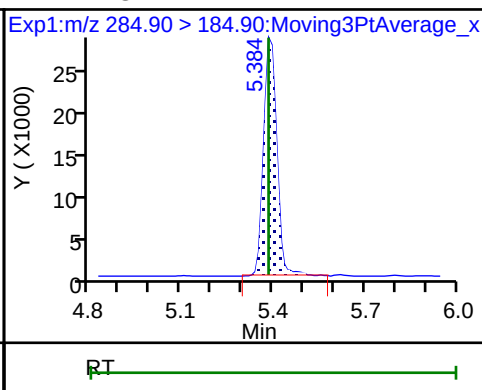
19 PFBS



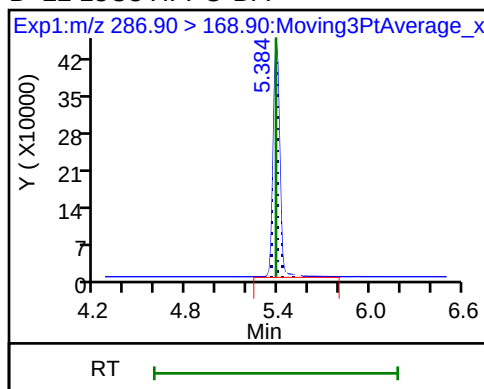
21 HFPO-DA



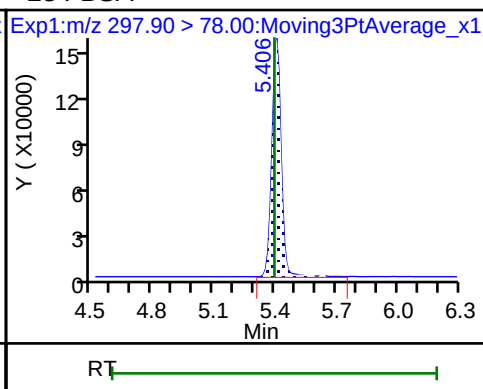
21 HFPO-DA



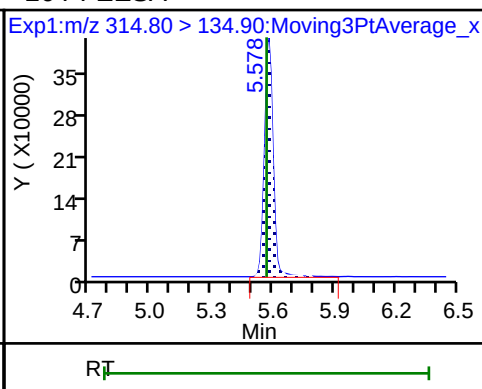
D 22 13C3 HFPO-DA



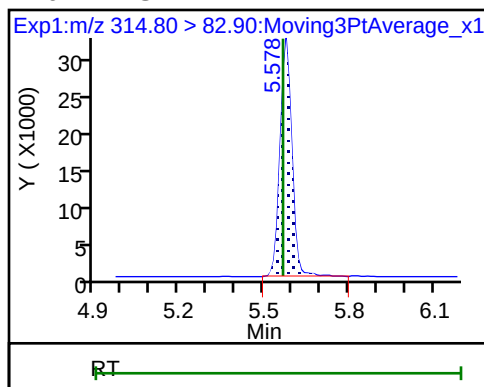
23 FBSA



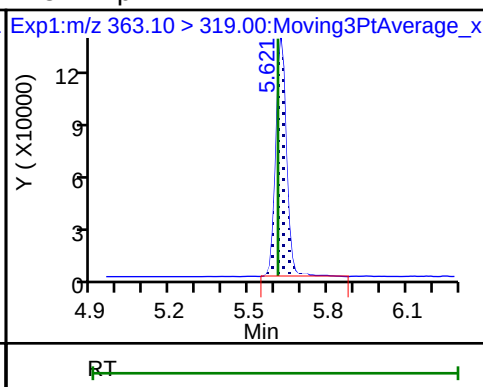
26 PFEESA



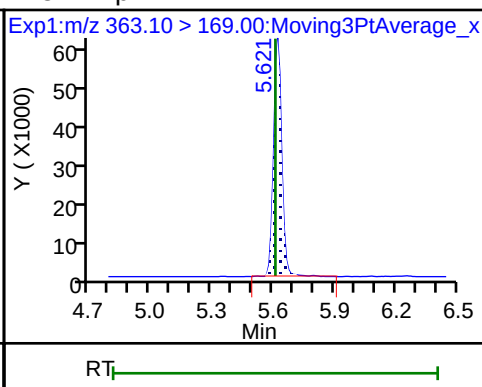
26 PFEESA



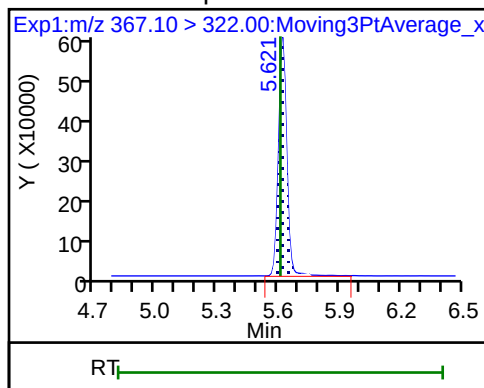
28 PFHpA



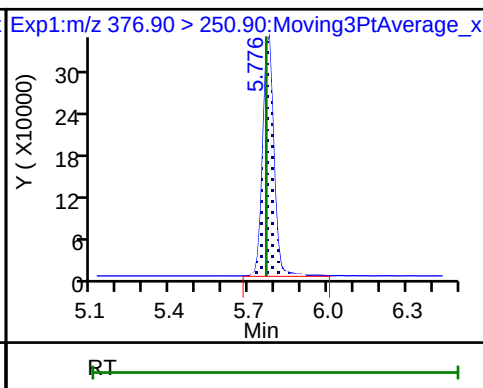
28 PFHpA



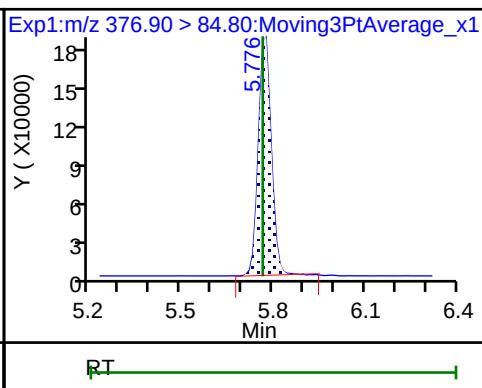
D 27 13C4 PFHpA

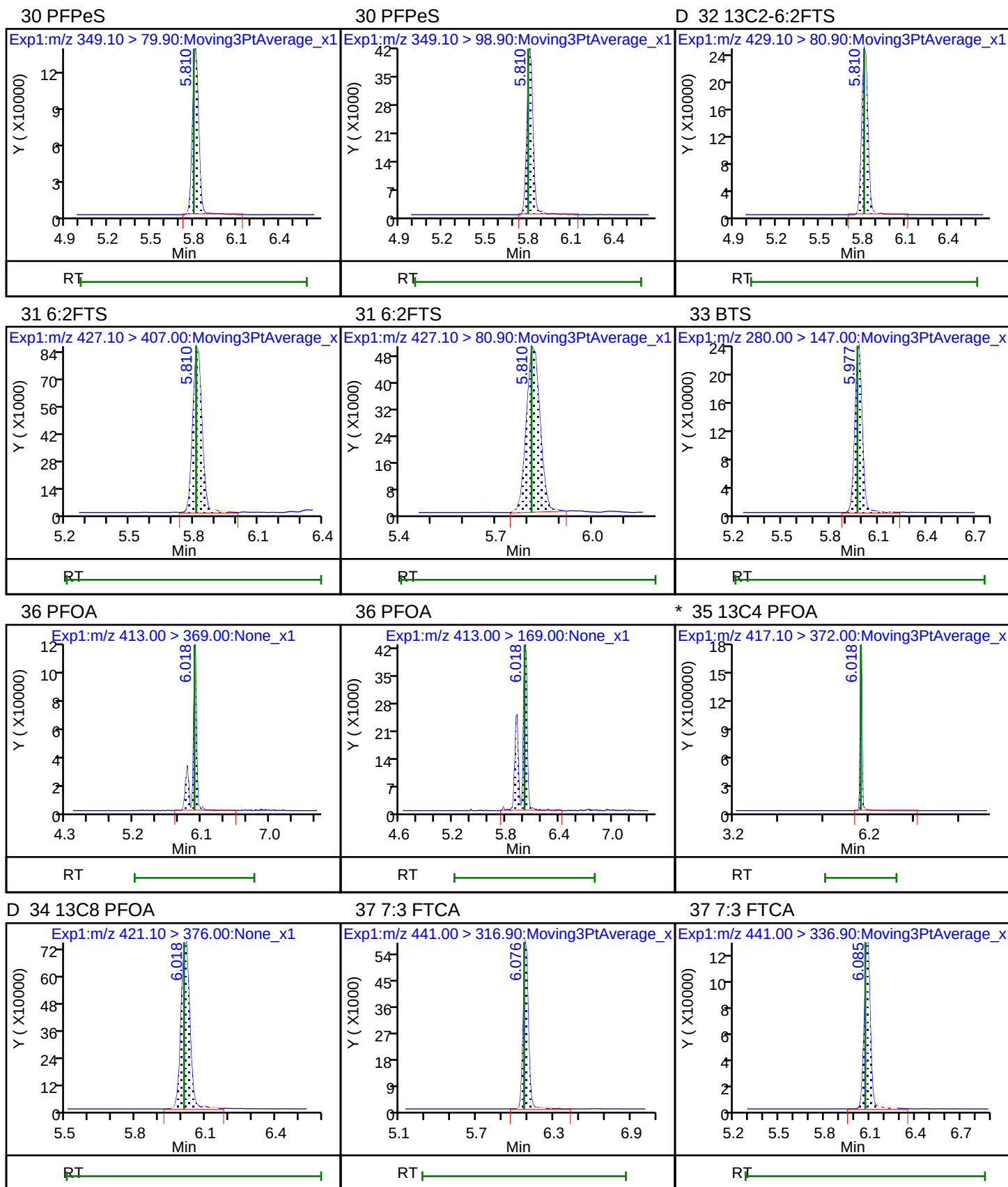


29 ADONA



29 ADONA

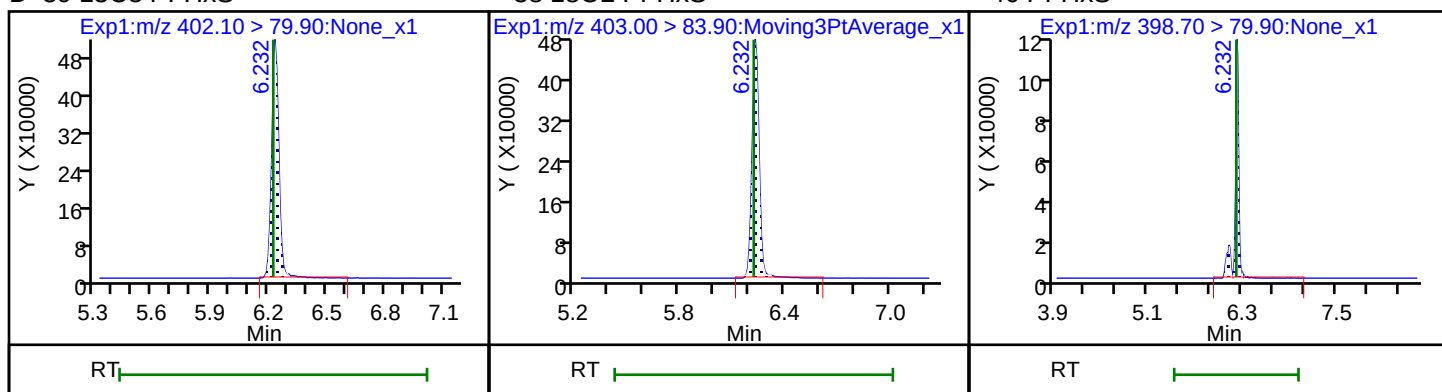




D 39 13C3 PFHxS

* 38 18O2 PFHxS

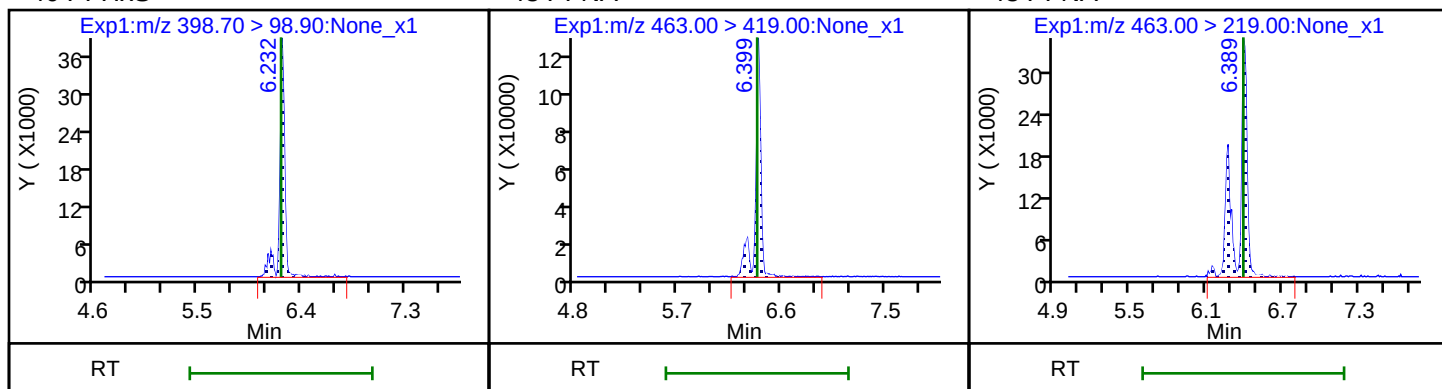
40 PFHxS



40 PFHxS

43 PFNA

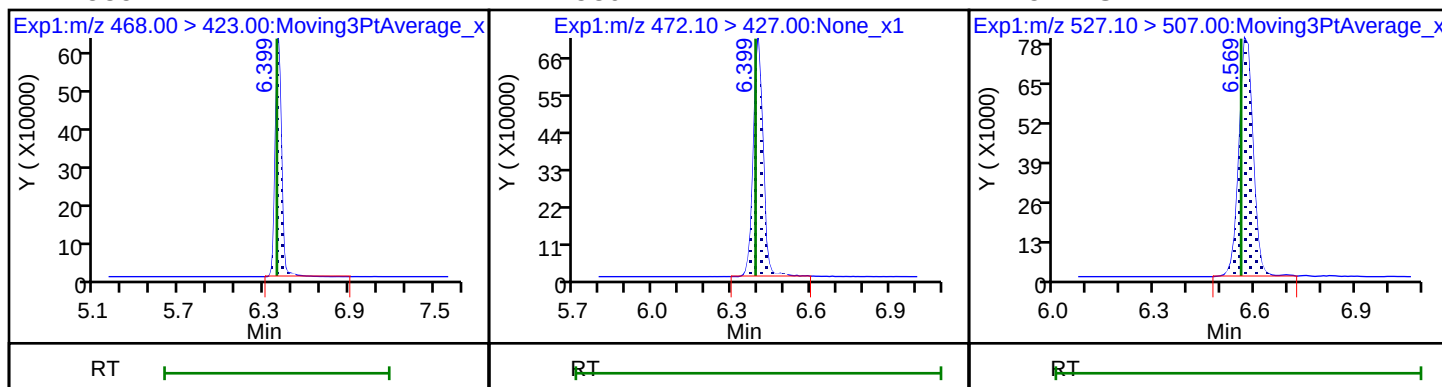
43 PFNA



* 41 13C5 PFNA

D 42 13C9 PFNA

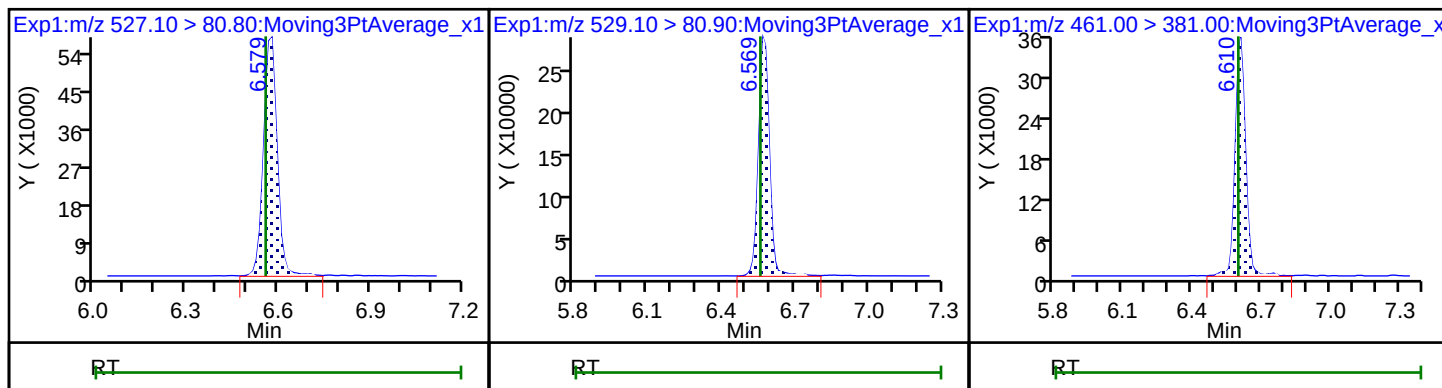
44 8:2FTS

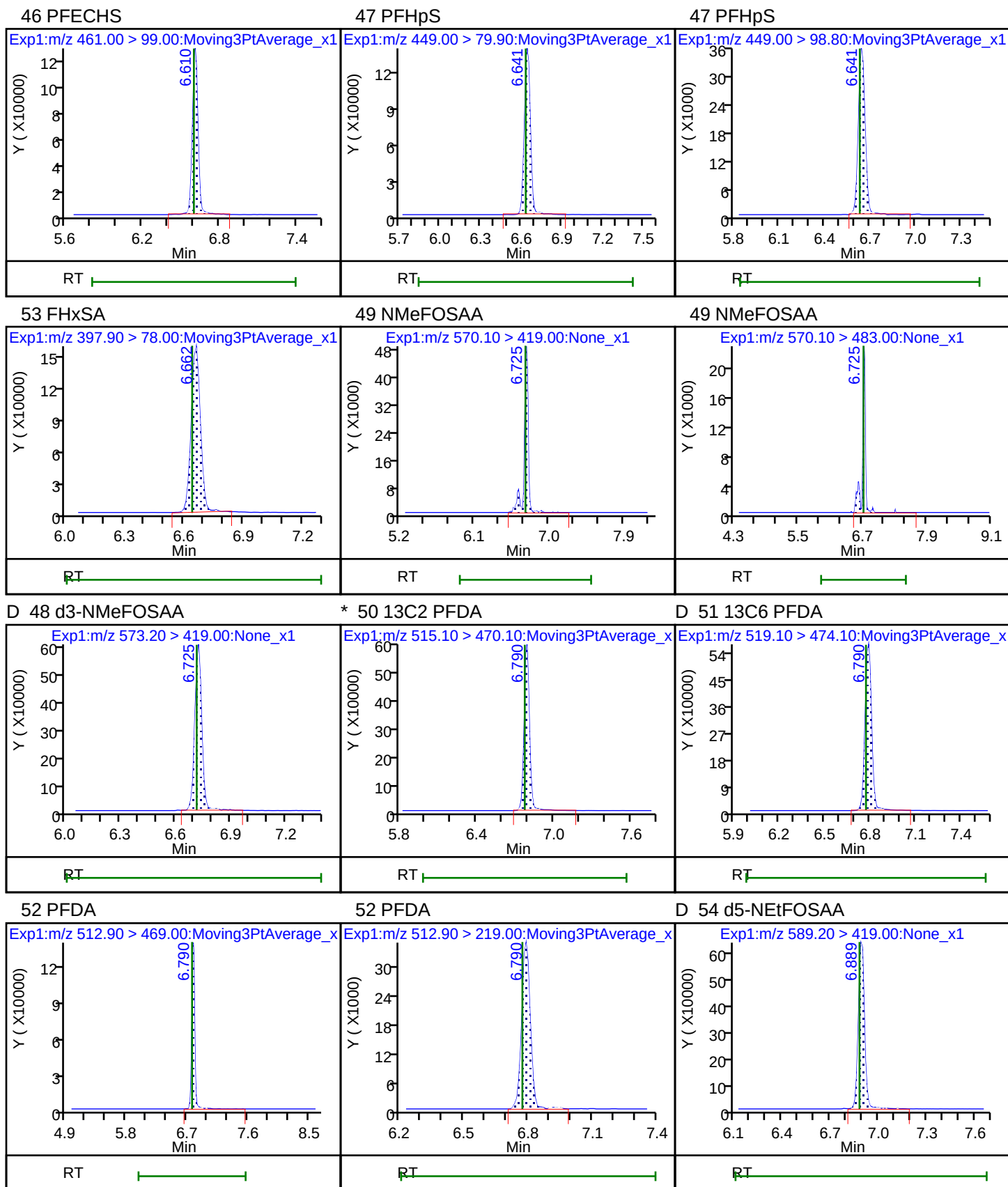


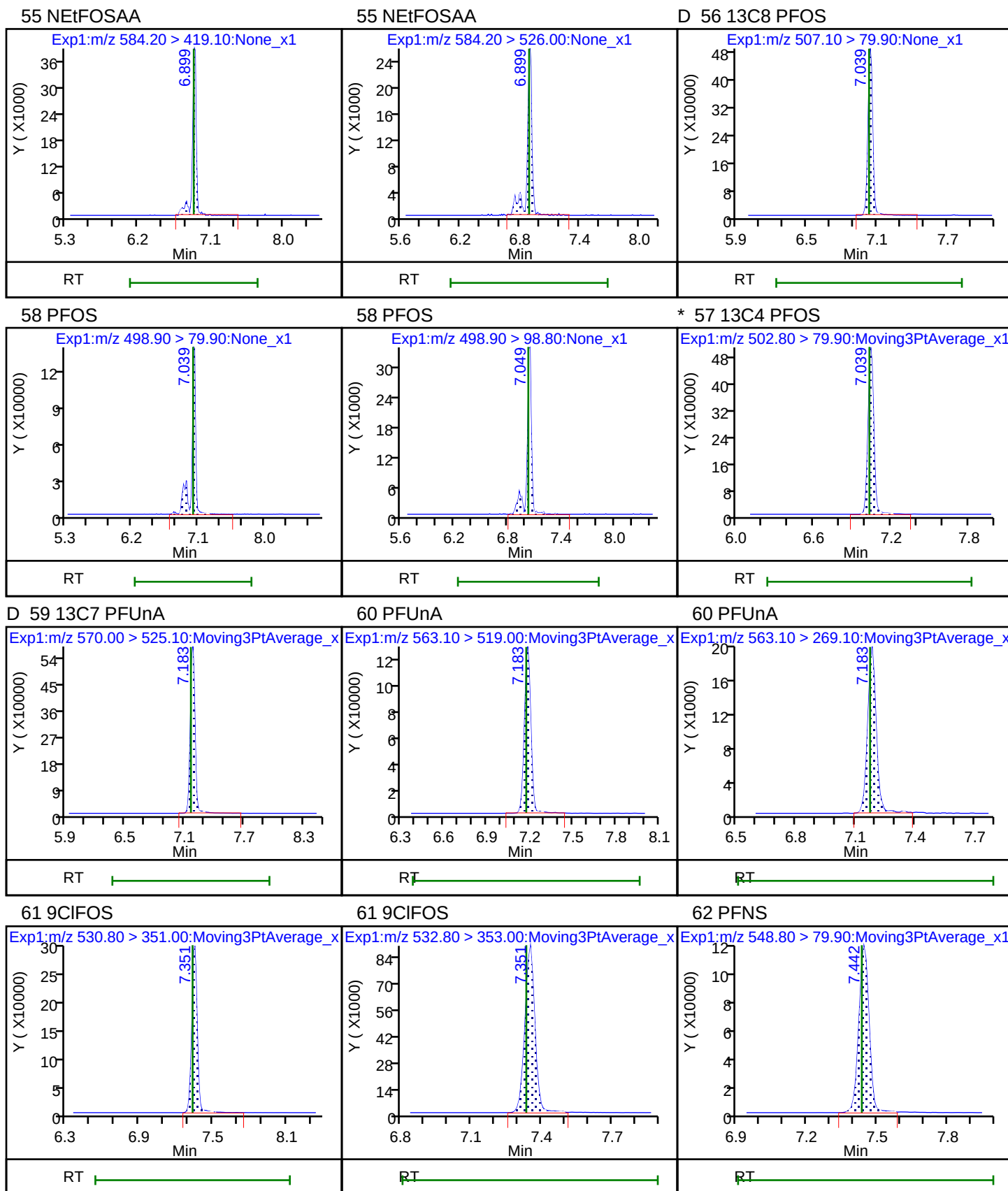
44 8:2FTS

D 45 13C2-8:2FTS

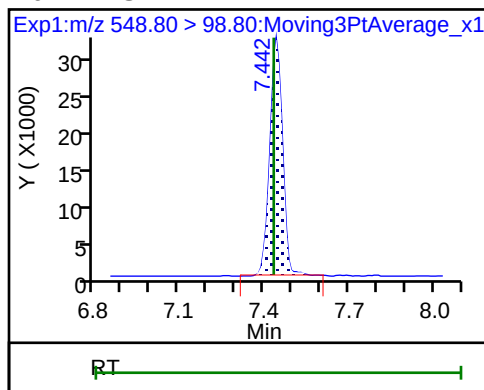
46 PFECHS



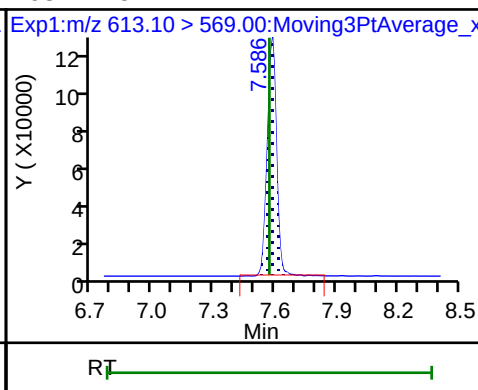




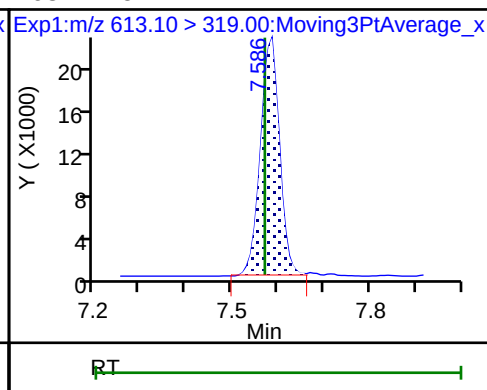
62 PFNS



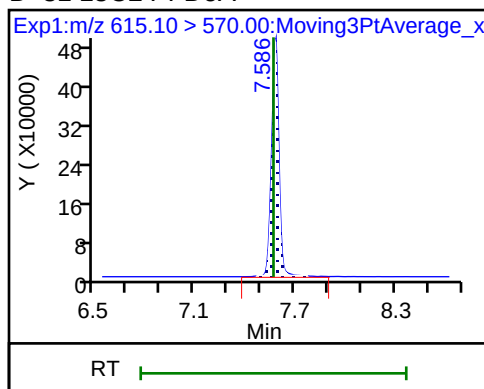
63 PFDaA



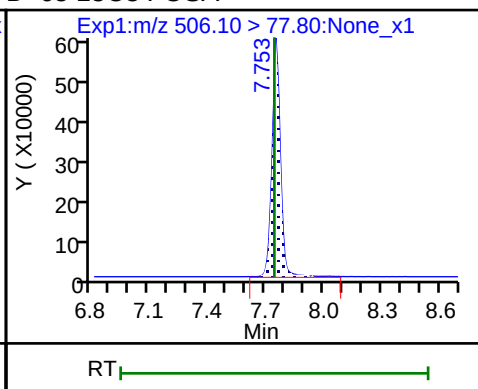
63 PFDaA



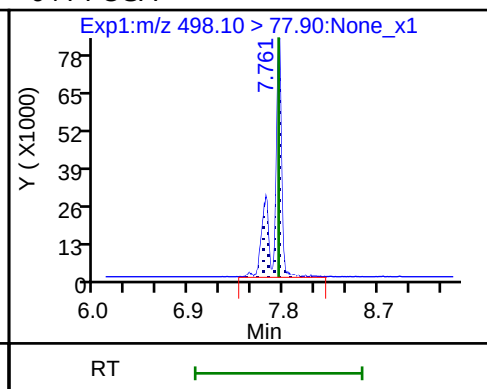
D 81 13C2 PFDaA



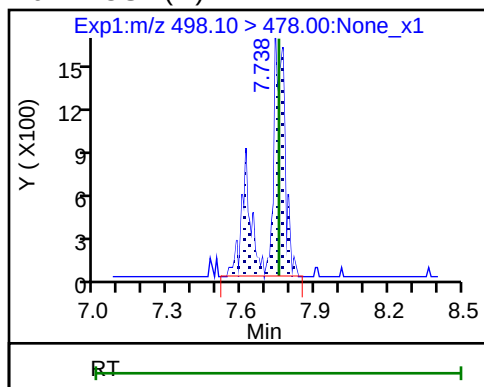
D 65 13C8 FOSA



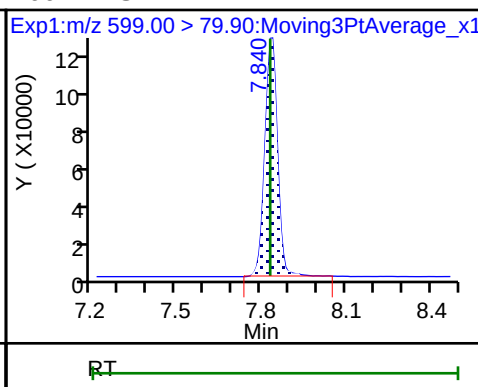
64 PFOSA



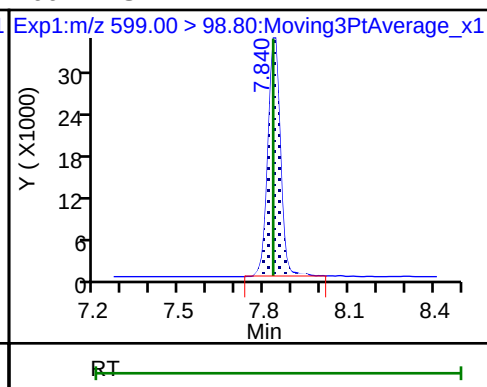
64 PFOSA (M)



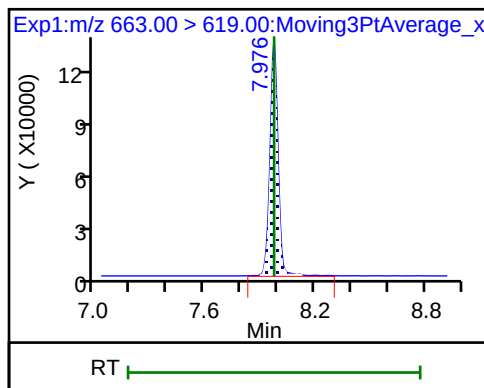
66 PFDS



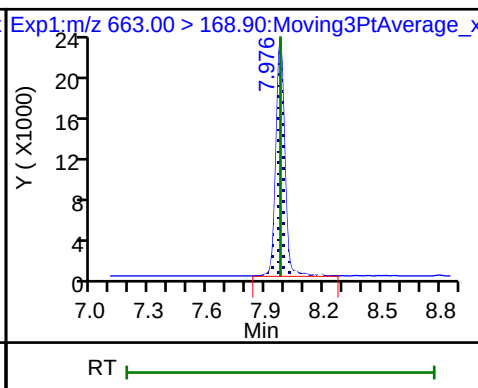
66 PFDS



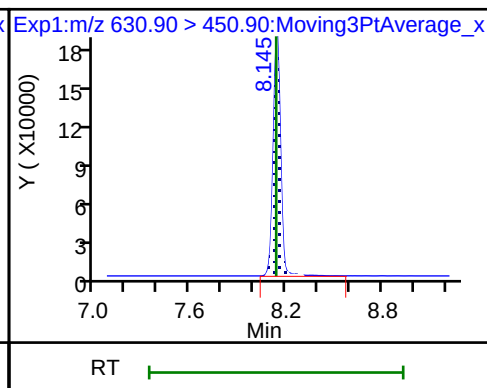
67 PFTrDA



67 PFTrDA



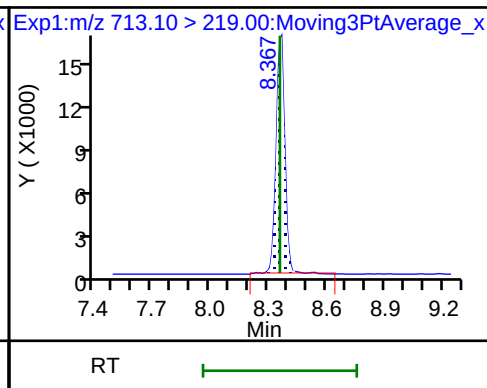
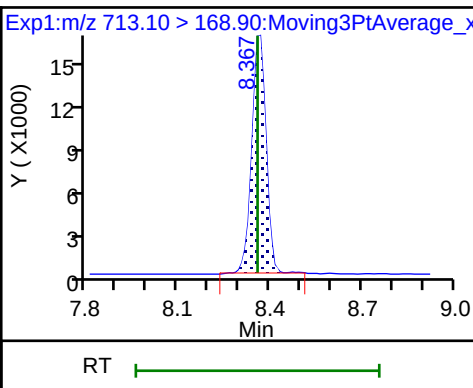
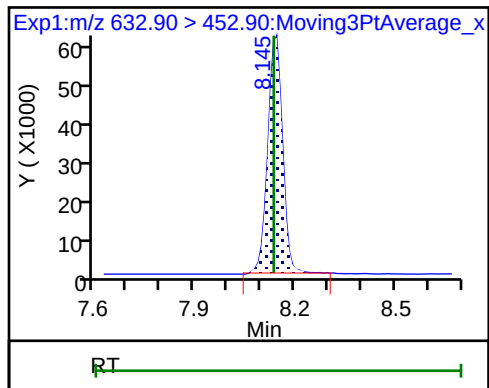
68 11CIFOS



68 11CIFOS

70 PFTeDA

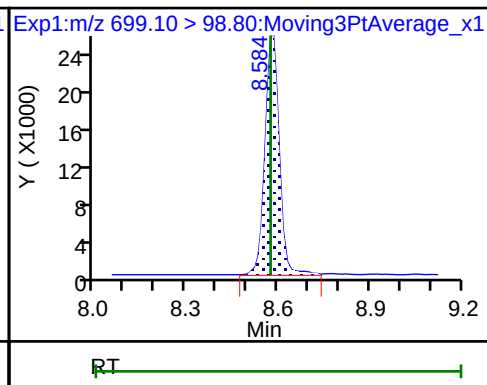
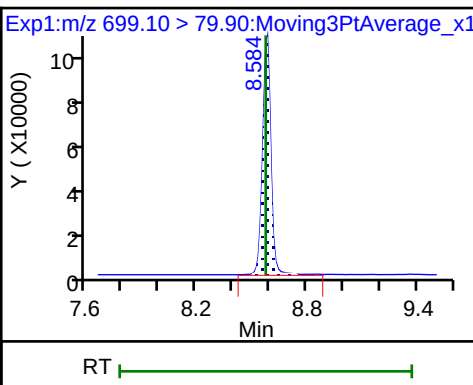
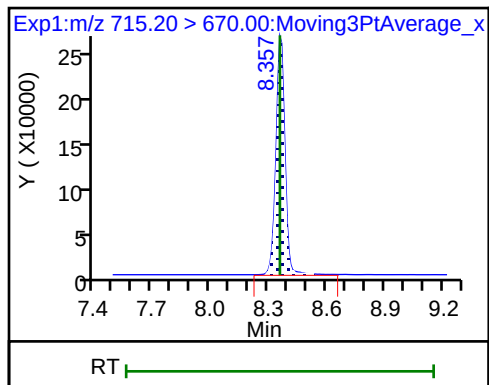
70 PFTeDA



D 69 13C2 PFTeDA

71 PFDoS

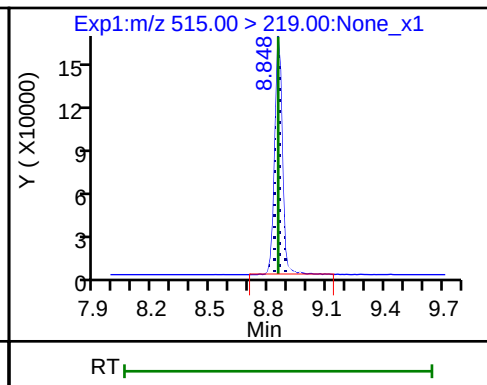
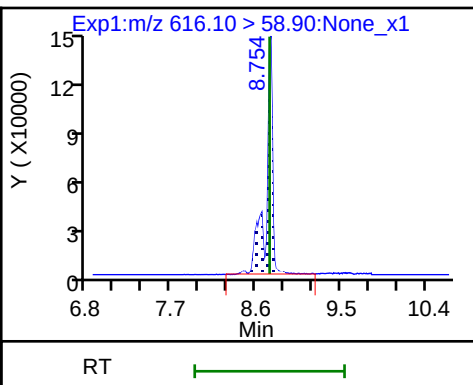
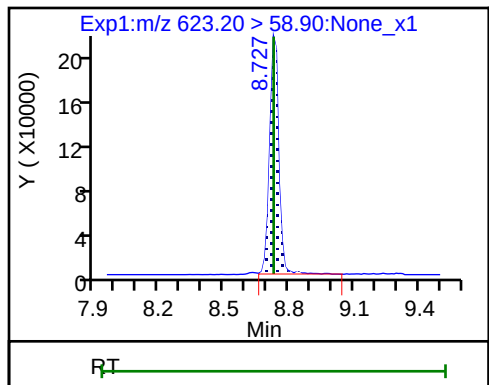
71 PFDoS



D 72 d7-N-Me-FOSE

73 N-MeFOSE-M

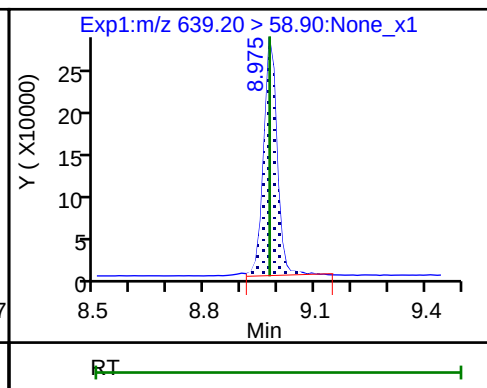
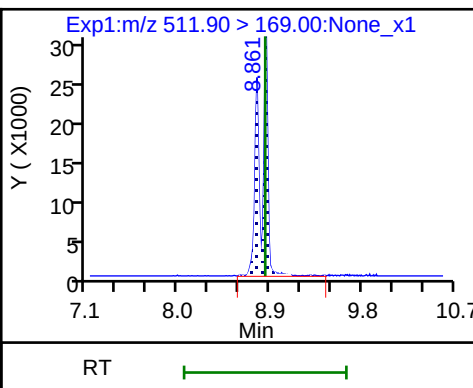
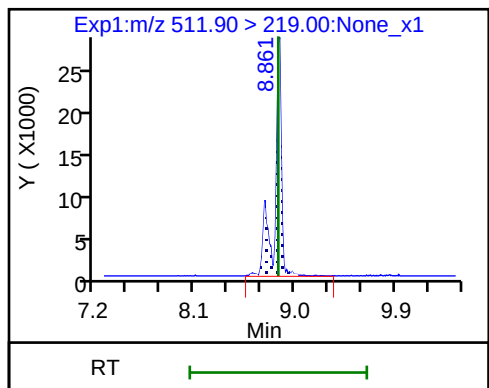
D 74 d3-NMePFOSA



75 NMeFOSA

75 NMeFOSA

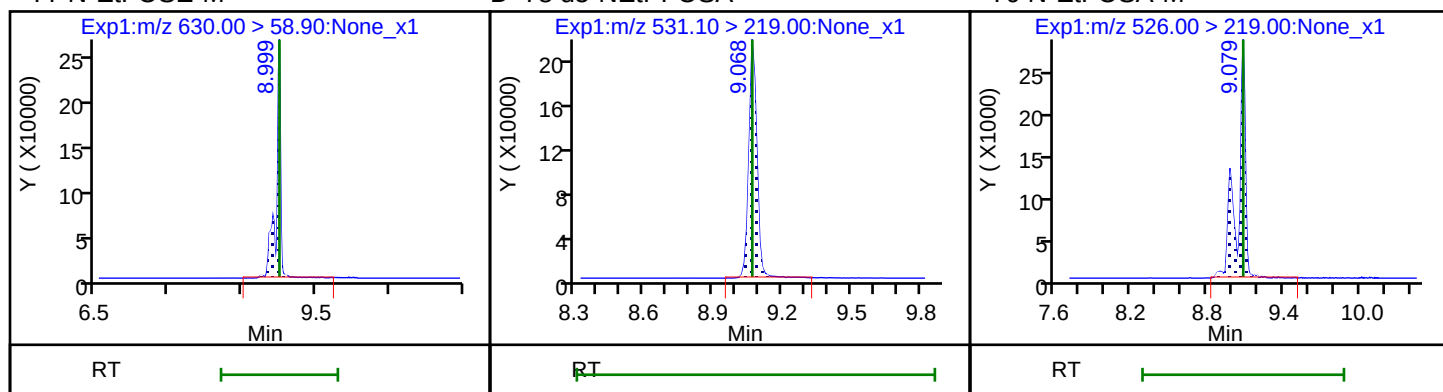
D 76 d9-N-EtFOSE



77 N-EtFOSE-M

D 78 d5-NEtPFOSA

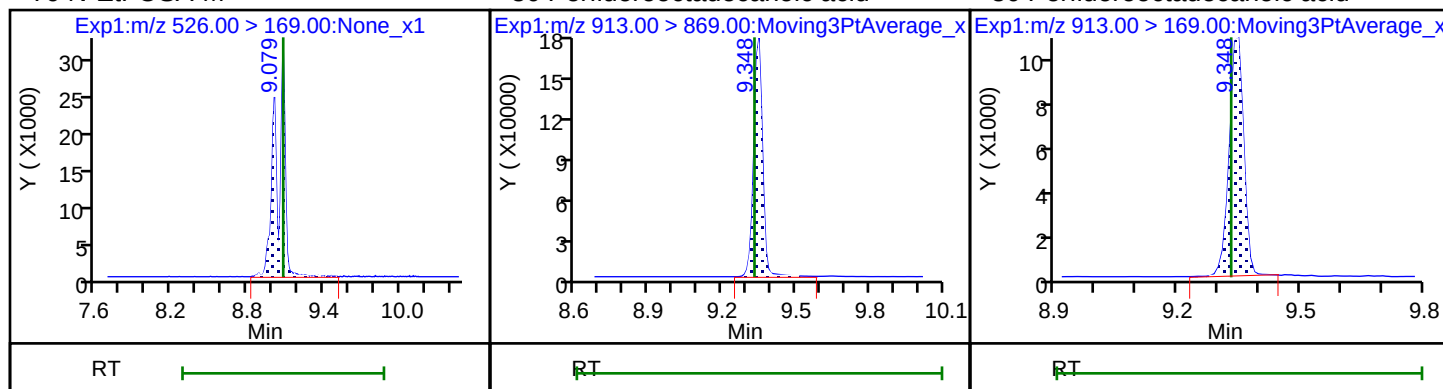
79 N-EtFOSA-M



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\20251129-168303.b\25NOV29CAL-04.d
 Lims ID: IC CAL 4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 29-Nov-2025 11:56:32 ALS Bottle#: 5 Worklist Smp#: 4
 Injection Vol: 7.0 ul Dil. Factor: 1.0000
 Sample Info: IC CAL 4
 Misc. Info.: Plate: 1 Rack: 1 410-0168303-004
 Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570
 Sublist: chrom-30570-1633-125ml*sub7
 Method: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\30570-1633-125ml.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 02-Dec-2025 10:38:19 Calib Date: 29-Nov-2025 12:50:55
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-08.d

Column 1 : Det: EXP1
 Process Host: CTX1614

First Level Reviewer: QY4X Date: 29-Nov-2025 13:32:48

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	1.973	1.984	-0.011	0.480	1299386	1.99		99.5	124160	
2 Perfluoropropionic acid										
163.00 > 119.00	1.984	1.996	-0.012	1.006	3139208	4.89		97.9	24870	
5 PFBA										
212.80 > 168.90	4.103	4.103	0.001	0.998	1569321	1.98		98.9	20168	
D 3 13C4-PFBA										
216.80 > 171.90	4.109	4.103	0.007	1.000	1736320	1.96		97.8	8201	
* 4 13C3PFBA										
216.00 > 172.00	4.109	4.109	0.0		1528689	2.00			1413	
6 PFMPA										
229.00 > 84.90	4.415	4.415	0.0	0.933	884003	1.00		99.7	3560	
7 3:3 FTCA										
241.00 > 177.00	4.424	4.424	0.0	0.934	85173	2.03	Target=1.36	102	1123	
241.00 > 117.00	4.424	4.424	0.0	0.934	60246		1.41(0.68-2.03)	102	549	
D 8 13C5 PFPeA										
268.30 > 223.00	4.734	4.744	-0.010	0.910	1369942	1.91		95.7	4373	
9 PFPA										
263.00 > 219.00	4.734	4.744	-0.010	1.000	802851	0.9710		97.1	921	
10 PFMBA										
279.00 > 85.10	4.890	4.890	0.0	1.033	1163587	0.9858		98.6	7650	
11 4:2FTS										
327.10 > 307.00	5.010	5.017	-0.007	1.000	549472	1.81	Target=1.51	96.7	2492	
327.10 > 80.90	5.010	5.017	-0.007	1.000	374035		1.47(0.76-2.27)	96.7	747	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.010	5.017	-0.007	0.802	863236	4.70		100	5929	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.154	5.153	0.002	0.991	163601	0.9783	Target=1.56	97.8	1182	
295.00 > 84.90	5.154	5.153	0.002	0.991	101913		1.61(0.78-2.34)	97.8	599	
D 15 13C5 PFHxA										
318.00 > 273.00	5.202	5.190	0.012	1.000	1902403	1.93		96.4	4990	
17 PFHxA										
313.00 > 269.00	5.202	5.200	0.002	1.000	896203	0.9757	Target=10.42	97.6	1830	
313.00 > 118.90	5.202	5.200	0.002	1.000	84298		10.63(5.21-15.63)	97.6	430	
* 16 13C2 PFHxA										
315.10 > 270.00	5.202	5.200	0.002		4353873	5.00			5270	
18 5:3 FTCA										
341.00 > 237.10	5.280	5.278	0.002	1.015	611023	4.90	Target=0.88	98.1	2463	
341.00 > 217.00	5.280	5.278	0.002	1.015	693687		0.88(0.44-1.32)	98.1	3187	
D 20 13C3 PFBS										
302.10 > 79.90	5.332	5.329	0.003	0.854	1741244	1.84		98.7	7401	
19 PFBS										
298.70 > 79.90	5.332	5.329	0.003	1.000	1012721	0.8841	Target=2.90	99.6	2601	
298.70 > 98.80	5.332	5.329	0.003	1.000	358248		2.83(1.45-4.35)	99.6	1744	
21 HFPO-DA										
284.90 > 168.90	5.387	5.384	0.003	1.000	475896	0.7067	Target=2.63	94.2	1200	
284.90 > 184.90	5.387	5.384	0.003	1.000	197223		2.41(1.31-3.94)	94.2	1011	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.387	5.384	0.003	1.036	1300952	1.92		95.9	9786	
23 FBSA										
297.90 > 78.00	5.398	5.395	0.003	1.012	947737	0.9822		98.2	3160	
26 PFEESA										
314.80 > 134.90	5.581	5.566	0.015	1.073	2417871	0.8717	Target=12.57	97.7	7486	
314.80 > 82.90	5.581	5.566	0.015	1.073	194163		12.45(6.29-18.86)	97.7	1100	
28 PFHpA										
363.10 > 319.00	5.624	5.610	0.014	1.000	768760	0.9791	Target=2.27	97.9	1495	
363.10 > 169.00	5.624	5.610	0.014	1.000	325904		2.36(1.13-3.40)	97.9	981	
D 27 13C4 PFHpA										
367.10 > 322.00	5.624	5.610	0.014	1.081	1651332	1.97		98.3	8019	
29 ADONA										
376.90 > 250.90	5.778	5.765	0.013	1.073	1968896	0.9183	Target=1.85	97.1	3877	
376.90 > 84.80	5.778	5.765	0.013	1.073	1084412		1.82(0.93-2.78)	97.1	2435	
30 PFPeS										
349.10 > 79.90	5.812	5.799	0.013	0.931	804521	0.9332	Target=3.26	99.3	1957	
349.10 > 98.90	5.812	5.799	0.013	0.931	246764		3.26(1.63-4.89)	99.3	1495	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.824	5.810	0.014	0.933	670488	4.83		101	2622	
31 6:2FTS										
427.10 > 407.00	5.824	5.810	0.014	1.000	495991	1.87	Target=1.69	98.3	119	
427.10 > 80.90	5.824	5.810	0.014	1.000	304342		1.63(0.85-2.54)	98.3	139	
33 BTS										
280.00 > 147.00	5.979	5.967	0.012	0.958	1508710	0.9639		98.5	2623	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
36 PFOA										
413.00 > 369.00	6.020	6.007	0.013	1.002	816729	1.01	Target=2.18	101	1398	
413.00 > 169.00	6.030	6.007	0.023	1.003	382327		2.14(1.09-3.27)	101	687	
* 35 13C4 PFOA										
417.10 > 372.00	6.020	6.007	0.013		4905757	5.00			1571	
D 34 13C8 PFOA										
421.10 > 376.00	6.009	6.007	0.002	0.998	1984320	1.96		97.9	1839	
37 7:3 FTCA										
441.00 > 316.90	6.087	6.067	0.020	1.170	315434	4.79	Target=0.46	95.9	692	
441.00 > 336.90	6.087	6.067	0.020	1.170	696561		0.45(0.23-0.69)	95.9	2197	
40 PFHxS										
398.70 > 79.90	6.243	6.223	0.020	1.000	701858	0.8867	Target=3.38	97.2	897	
398.70 > 98.90	6.243	6.223	0.020	1.000	212976		3.30(1.69-5.07)	97.2	682	
D 39 13C3 PFHxS										
402.10 > 79.90	6.243	6.223	0.020	1.000	1302653	1.87		98.9	2613	
* 38 18O2 PFHxS										
403.00 > 83.90	6.243	6.223	0.020		1295800	1.90			5016	
D 42 13C9 PFNA										
472.10 > 427.00	6.412	6.389	0.023	1.000	1778873	1.97		98.4	2266	
43 PFNA										
463.00 > 419.00	6.412	6.389	0.023	1.000	821488	1.00	Target=2.51	100	1529	
463.00 > 219.00	6.402	6.389	0.013	0.998	333276		2.46(1.25-3.76)	100	613	
* 41 13C5 PFNA										
468.00 > 423.00	6.412	6.389	0.023		1879048	2.00			4013	
44 8:2FTS										
527.10 > 507.00	6.581	6.558	0.023	1.000	431129	1.85	Target=1.31	96.4	733	
527.10 > 80.80	6.581	6.558	0.023	1.000	325965		1.32(0.66-1.97)	96.4	857	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.581	6.558	0.023	1.054	846668	4.89		102	2427	
46 PFECHS										
461.00 > 381.00	6.612	6.600	0.012	1.059	217238	0.8928	Target=0.28	96.6	670	
461.00 > 99.00	6.612	6.600	0.012	1.059	778274		0.28(0.14-0.42)	96.6	1355	
47 PFHpS										
449.00 > 79.90	6.654	6.631	0.023	0.944	806066	0.9745	Target=3.66	102	1843	
449.00 > 98.80	6.654	6.631	0.023	0.944	218849		3.68(1.83-5.50)	102	1298	
53 FHxSA										
397.90 > 78.00	6.665	6.641	0.024	1.068	1007663	0.9857		98.6	3329	
49 NMeFOSAA										
570.10 > 419.00	6.728	6.715	0.013	1.000	301615	1.04	Target=1.85	104	867	
570.10 > 483.00	6.728	6.715	0.013	1.000	162412		1.86(0.93-2.78)	104	341	
D 48 d3-NMeFOSAA										
573.20 > 419.00	6.728	6.715	0.013	0.954	1468506	4.81		96.1	1106	
* 50 13C2 PFDA										
515.10 > 470.10	6.800	6.772	0.028		1623205	2.00			7520	
D 51 13C6 PFDA										
519.10 > 474.10	6.792	6.772	0.020	0.999	1656788	2.01		101	2889	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
52 PFDA										
512.90 > 469.00	6.800	6.772	0.028	1.001	770601	0.9305	Target=4.24	93.1	5561	
512.90 > 219.00	6.800	6.772	0.028	1.001	183061		4.21(2.12-6.36)	93.1	1720	
D 54 d5-NEtFOSAA										
589.20 > 419.00	6.901	6.880	0.021	0.979	1456372	4.75		95.1	1637	
55 NEtFOSAA										
584.20 > 419.10	6.901	6.889	0.012	1.000	225658	1.01	Target=1.39	101	709	
584.20 > 526.00	6.901	6.889	0.012	1.000	157860		1.43(0.69-2.08)	101	494	
D 56 13C8 PFOS										
507.10 > 79.90	7.051	7.029	0.022	1.000	1288694	1.86		97.0	1409	
58 PFOS										
498.90 > 79.90	7.041	7.029	0.012	0.999	912972	0.8845	Target=4.36	95.1	1884	
498.90 > 98.80	7.051	7.029	0.022	1.000	214604		4.25(2.18-6.54)	95.1	817	
* 57 13C4 PFOS										
502.80 > 79.90	7.051	7.029	0.022		1505752	1.92			5150	
D 59 13C7 PFUnA										
570.00 > 525.10	7.185	7.162	0.023	1.057	1833206	1.96		98.0	5905	
60 PFUnA										
563.10 > 519.00	7.185	7.172	0.013	1.000	778126	0.9666	Target=6.42	96.7	3966	
563.10 > 269.10	7.185	7.172	0.013	1.000	115839		6.72(3.21-9.63)	96.7	760	
61 9ClFOS										
530.80 > 351.00	7.353	7.333	0.020	1.043	1734206	0.9359	Target=3.19	100	2944	
532.80 > 353.00	7.353	7.333	0.020	1.043	560987		3.09(1.60-4.79)	100	2423	
62 PFNS										
548.80 > 79.90	7.445	7.433	0.012	1.056	753584	0.9785	Target=3.60	102	3081	
548.80 > 98.80	7.445	7.433	0.012	1.056	205909		3.66(1.80-5.40)	102	813	
63 PFDoA										
613.10 > 569.00	7.580	7.570	0.010		797114	1.05	Target=6.08	105	3881	
613.10 > 319.00	7.580	7.570	0.010		125859		6.33(3.04-9.12)	105	337	
D 81 13C2 PFDoA										
615.10 > 570.00	7.580	7.570	0.010	1.115	1480407	1.88		93.8	2132	
D 65 13C8 FOSA										
506.10 > 77.80	7.755	7.745	0.010	1.100	1754617	1.95		97.4	2417	
64 PFOSA										M
498.10 > 77.90	7.755	7.752	0.003	1.000	773112	0.9838	Target=49.65	98.4	1774	
498.10 > 478.00	7.755	7.752	0.003	1.000	15408		50.18(24.83-74.47)	98.4	48.5	M
66 PFDS										
599.00 > 79.90	7.835	7.831	0.004	1.111	802777	0.9722	Target=3.75	101	2542	
599.00 > 98.80	7.835	7.831	0.004	1.111	216580		3.71(1.88-5.63)	101	968	
67 PFTTrDA										
663.00 > 619.00	7.971	7.976	-0.005	0.953	780515	0.99	Target=5.60	99.5	3170	
663.00 > 168.90	7.971	7.976	-0.005	0.953	139150		5.61(2.80-8.40)	99.5	918	
68 11ClFOS										
630.90 > 450.90	8.138	8.136	0.002	1.154	1219432	0.9426	Target=3.10	99.8	2979	
632.90 > 452.90	8.138	8.136	0.002	1.154	398244		3.06(1.55-4.64)	99.8	2112	
70 PFTeDA										
713.10 > 168.90	8.360	8.358	0.002	1.000	108799	1.00	Target=1.16	100	915	
713.10 > 219.00	8.360	8.358	0.002	1.000	96817		1.12(0.58-1.74)	100	602	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 69 13C2 PFTeDA										
715.20 > 670.00	8.360	8.358	0.002	1.229	746767	1.86		92.9	10153	
71 PFDoS										
699.10 > 79.90	8.577	8.574	0.003	1.216	630613	0.9500	Target=4.00	97.9	1787	
699.10 > 98.80	8.577	8.574	0.003	1.216	152923		4.12(2.00-6.00)	97.9	1796	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.730	8.728	0.002	1.238	606791	4.86		97.2	404	
73 N-MeFOSE-M										
616.10 > 58.90	8.757	8.741	0.016	1.003	1413982	5.00		100	1127	
D 74 d3-NMePFOSA										
515.00 > 219.00	8.850	8.849	0.001	1.255	420849	1.93		96.4	1370	
75 NMeFOSA										
511.90 > 219.00	8.863	8.849	0.014	1.001	220349	1.02	Target=0.70	102	1097	
511.90 > 169.00	8.863	8.849	0.014	1.001	311773		0.71(0.35-1.05)	102	834	
D 76 d9-N-EtFOSE										
639.20 > 58.90	8.989	8.976	0.013	1.275	715256	4.95		99.1	368	
77 N-EtFOSE-M										
630.00 > 58.90	9.001	9.000	0.001	1.001	1937360	4.77		95.4	1221	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.081	9.069	0.012	1.288	533120	2.03		101	1478	
79 N-EtFOSA-M										
526.00 > 219.00	9.081	9.080	0.001	1.000	231351	0.9376	Target=0.81	93.8	1137	
526.00 > 169.00	9.081	9.080	0.001	1.000	285899		0.81(0.41-1.22)	93.8	769	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.350	9.330	0.020	1.118	863615	1.01	Target=18.06	101	6596	
913.00 > 169.00	9.350	9.330	0.020	1.118	45902		18.81(9.03-27.08)	101	1196	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_CAL4_00077

Amount Added: 1.00

Units: mL

Data File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-04.d

Injection Date: 29-Nov-2025 11:56:32

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

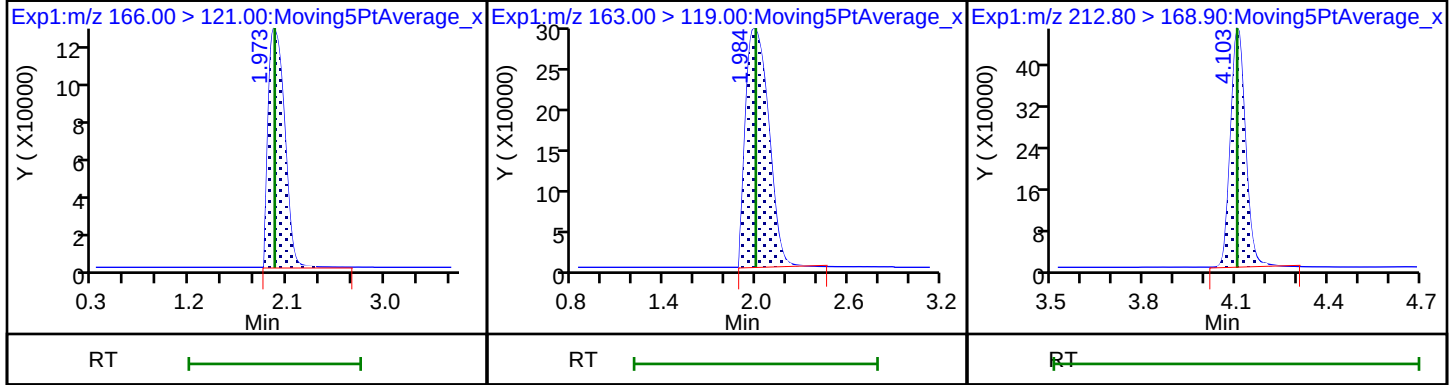
Limit Group:

LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid

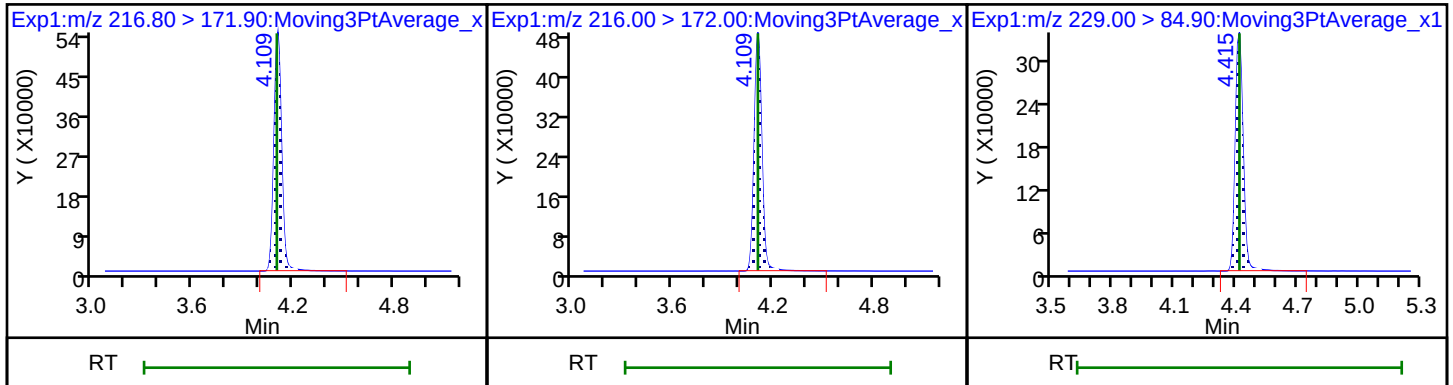
5 PFBA



D 3 13C4-PFBA

* 4 13C3PFBA

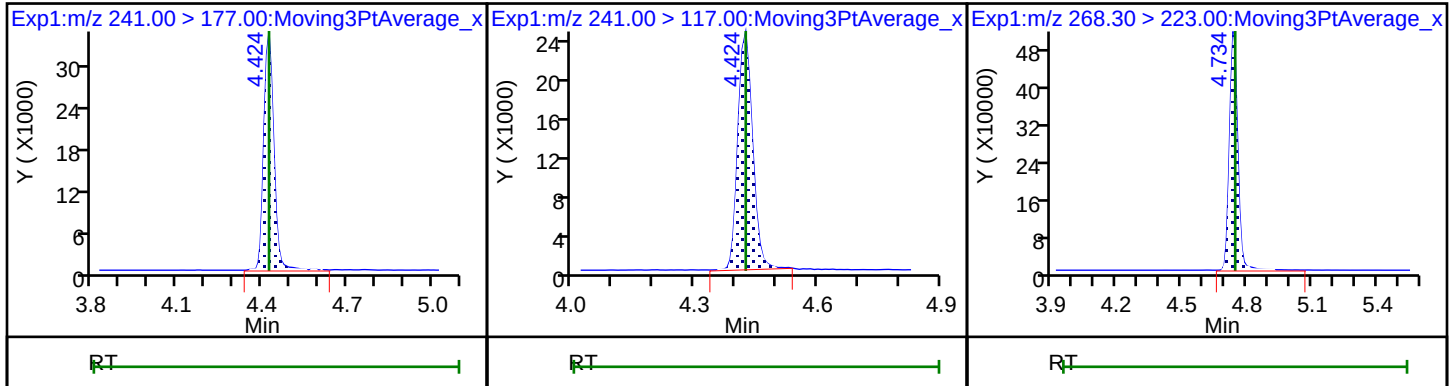
6 PFMPA



7 3:3 FTCA

7 3:3 FTCA

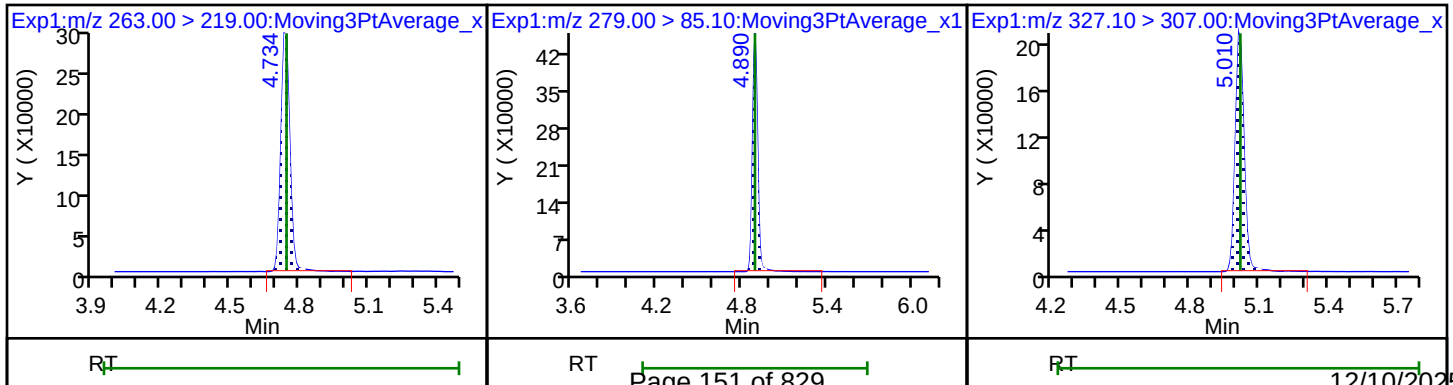
D 8 13C5 PFPeA

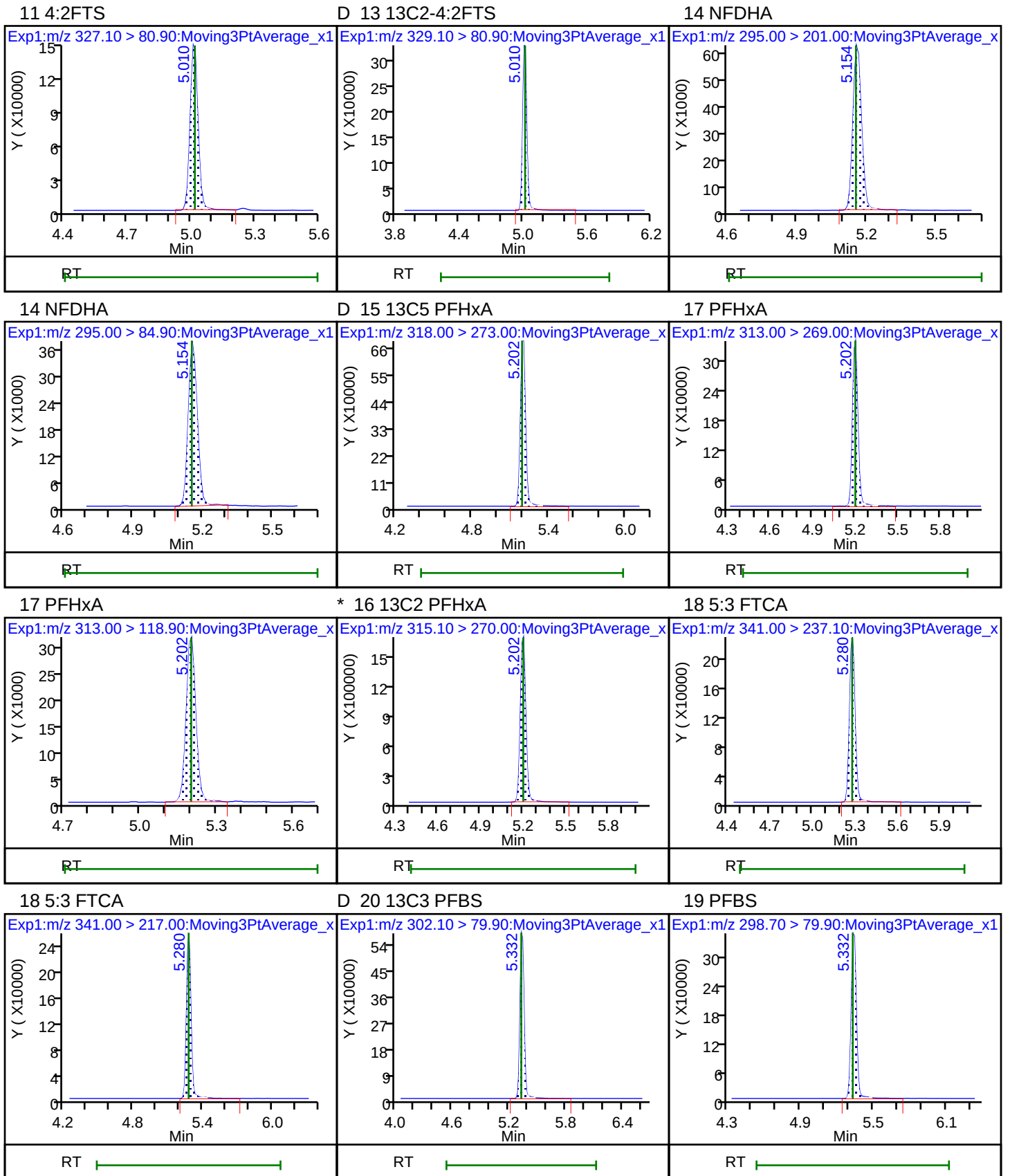


9 PFPA

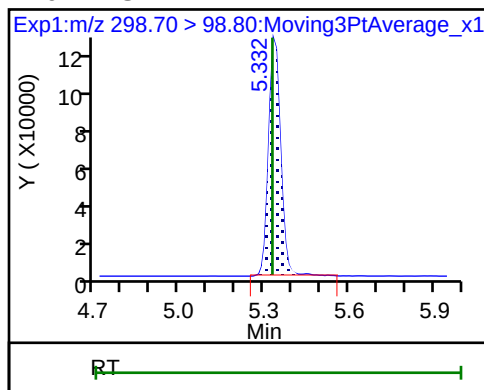
10 PFMB A

11 4:2FTS

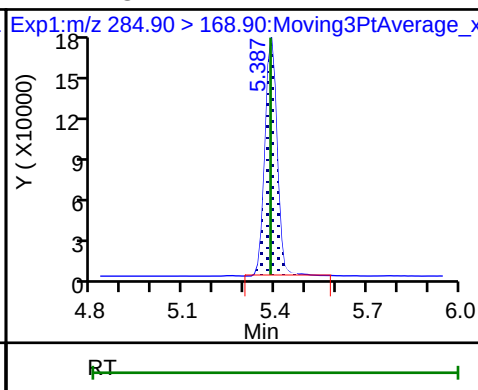




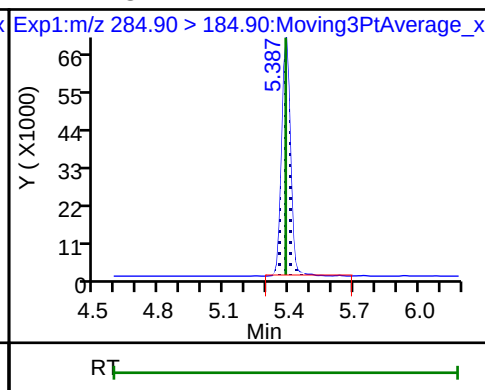
19 PFBS



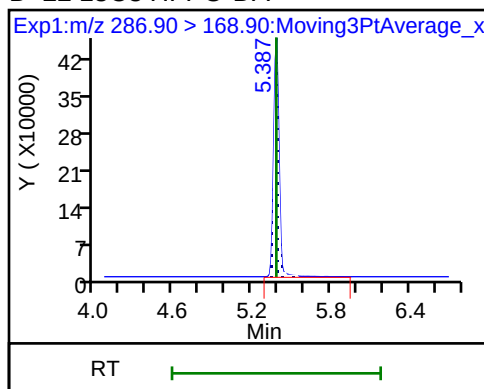
21 HFPO-DA



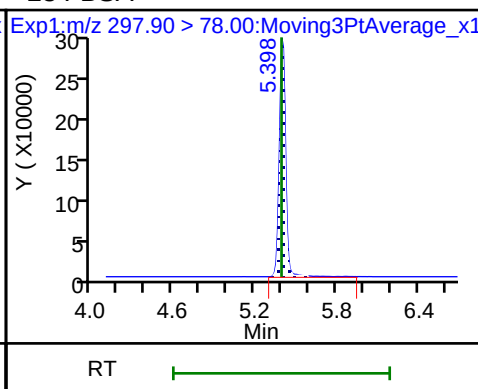
21 HFPO-DA



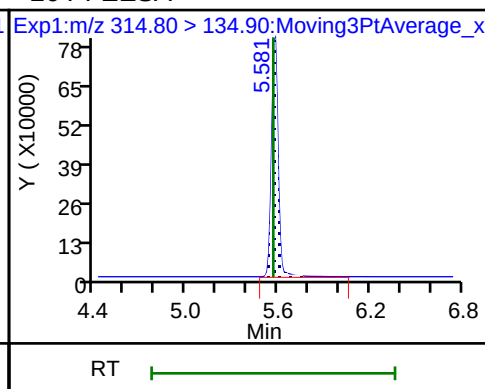
D 22 13C3 HFPO-DA



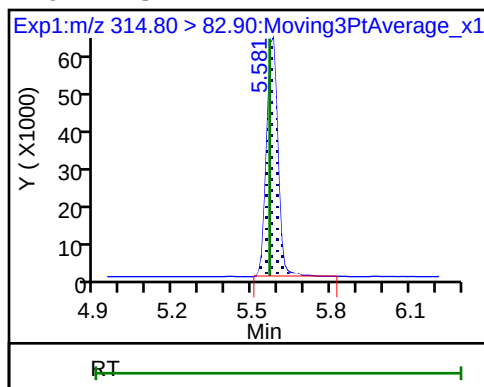
23 FBSA



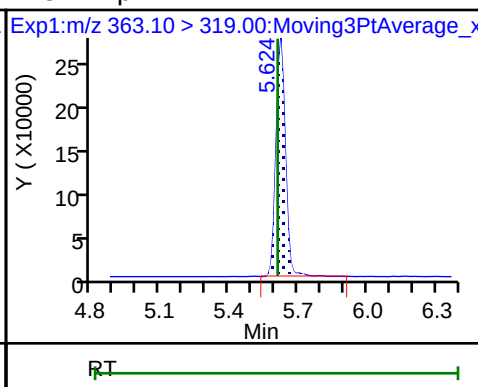
26 PFEESA



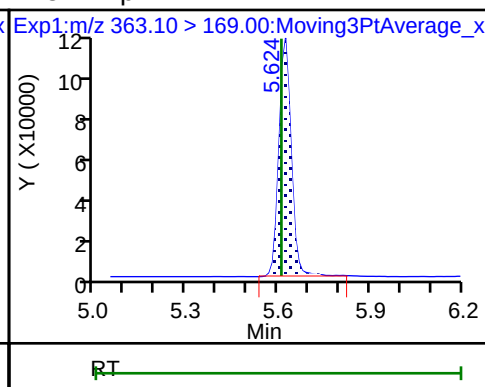
26 PFEESA



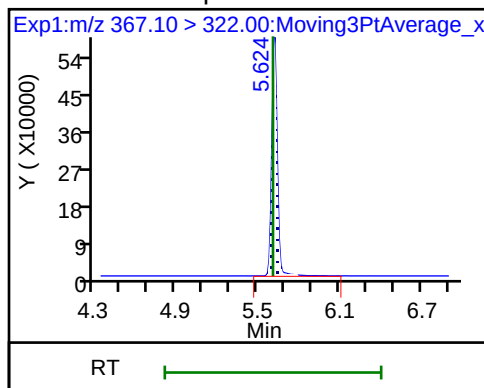
28 PFHpA



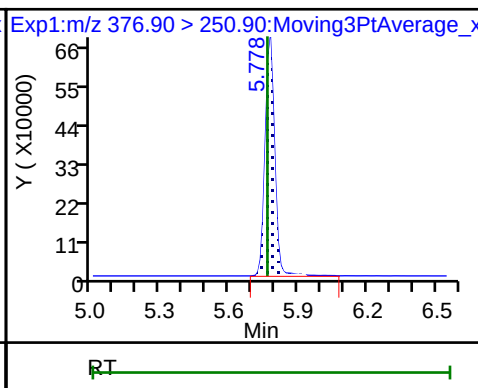
28 PFHpA



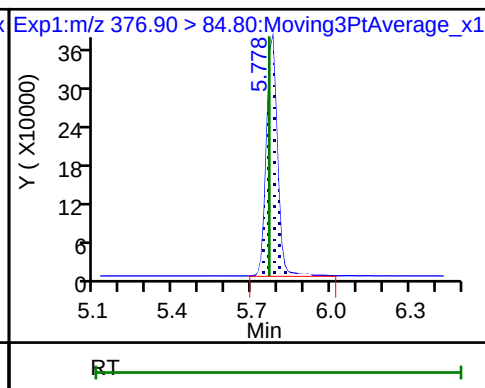
D 27 13C4 PFHpA

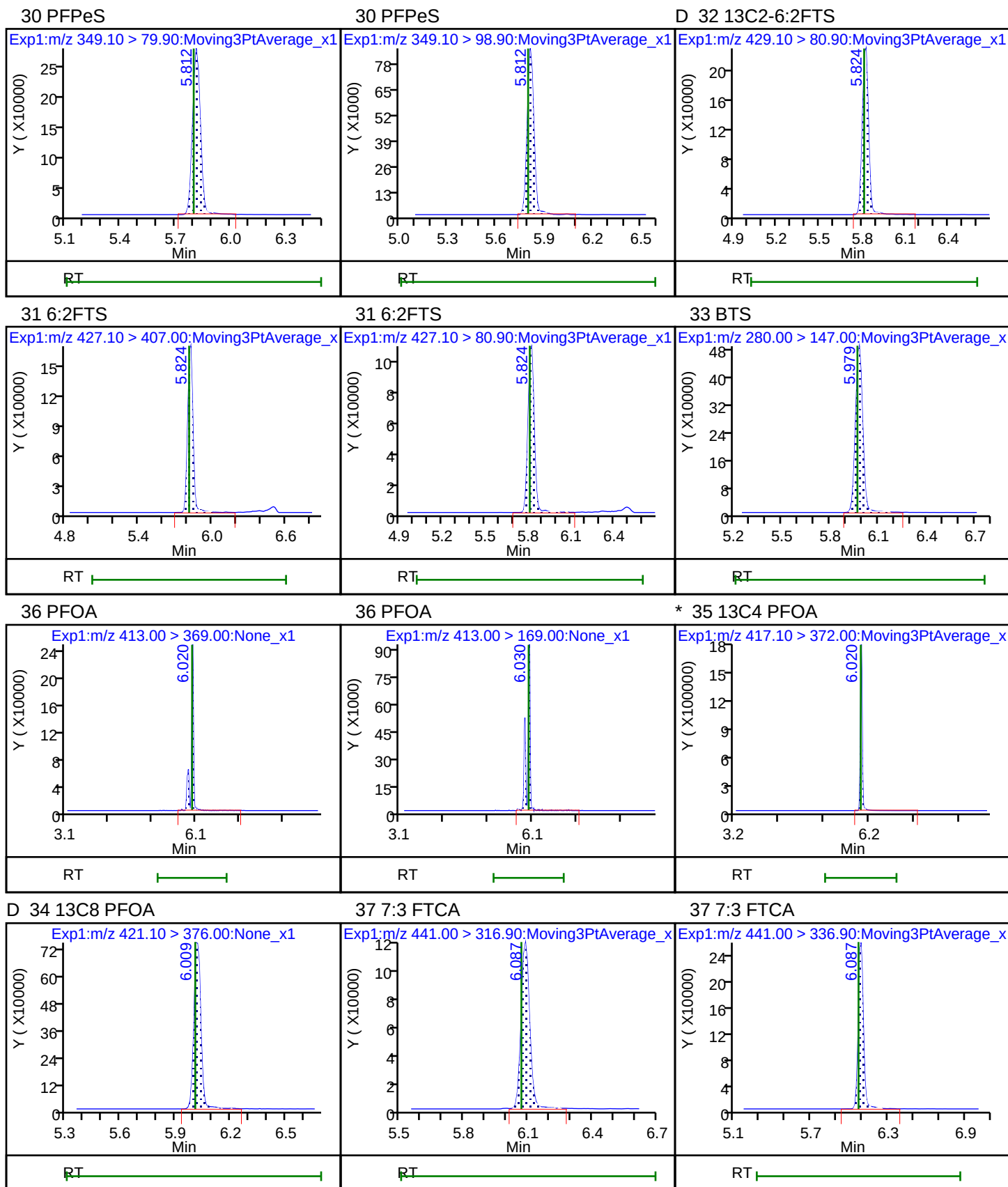


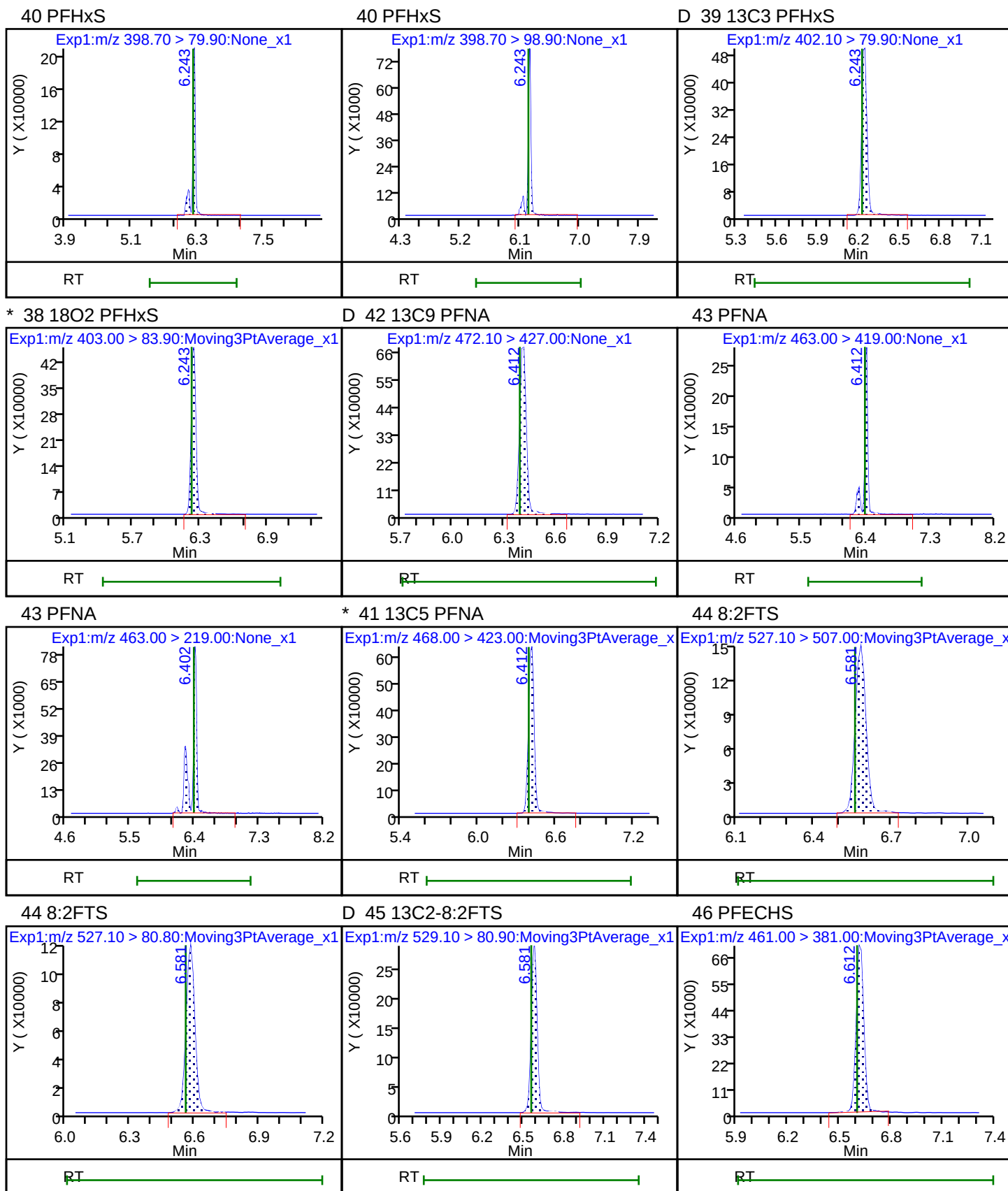
29 ADONA



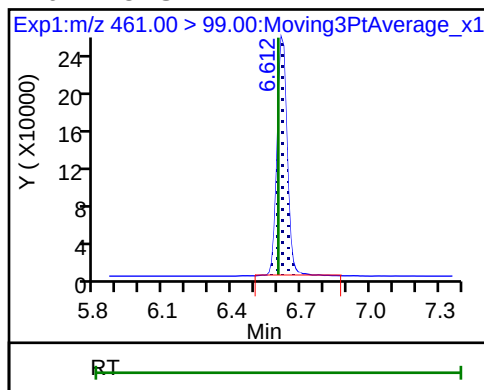
29 ADONA



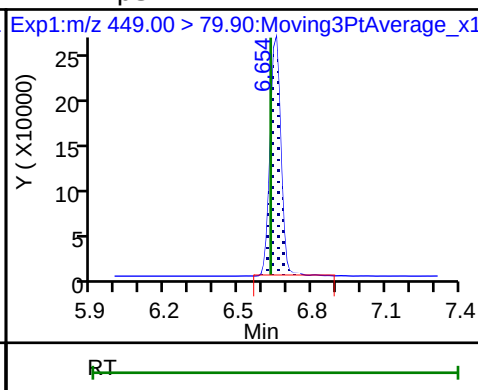




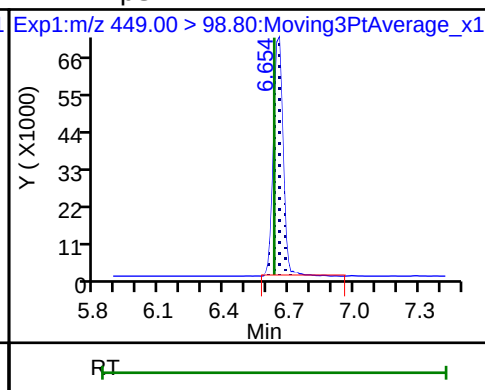
46 PFECHS



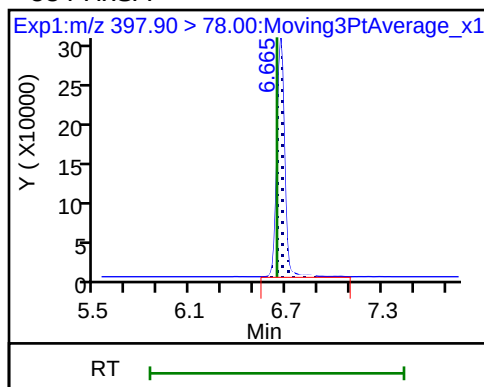
47 PFHpS



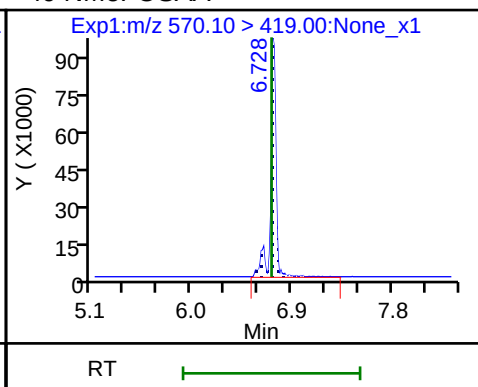
47 PFHpS



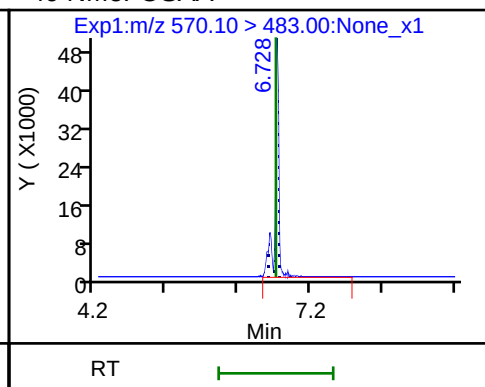
53 FHxSA



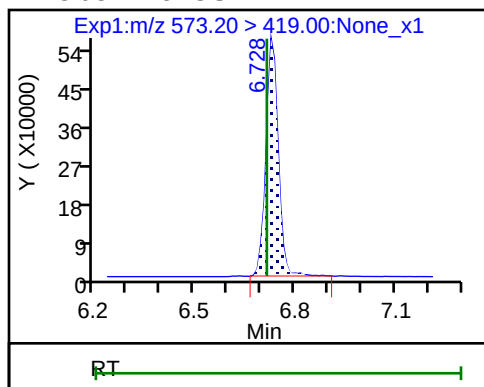
49 NMeFOSAA



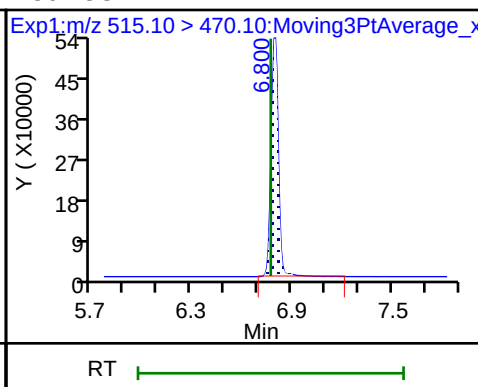
49 NMeFOSAA



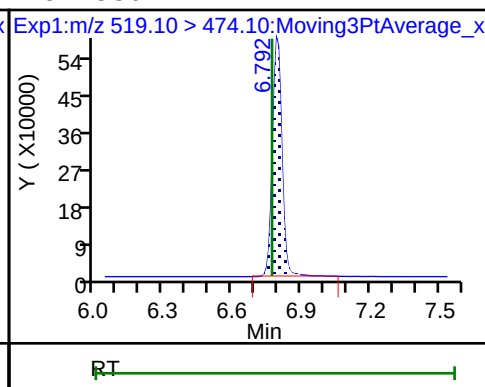
D 48 d3-NMeFOSAA



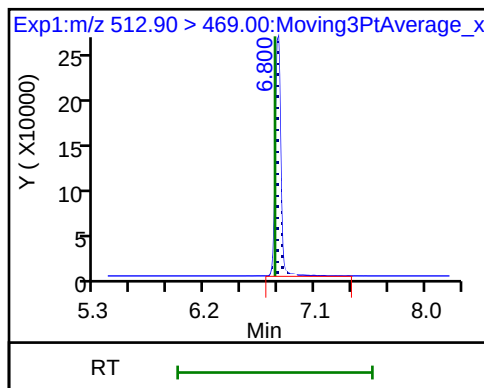
* 50 13C2 PFDA



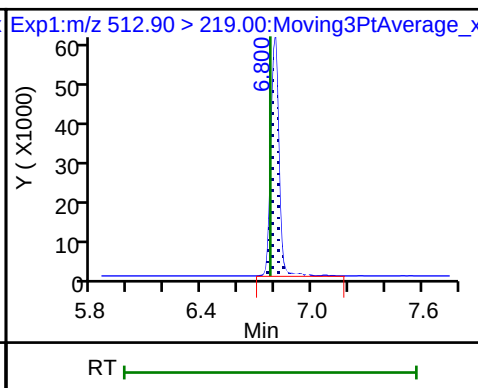
D 51 13C6 PFDA



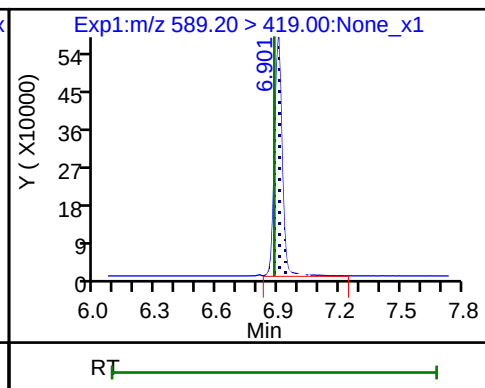
52 PFDA

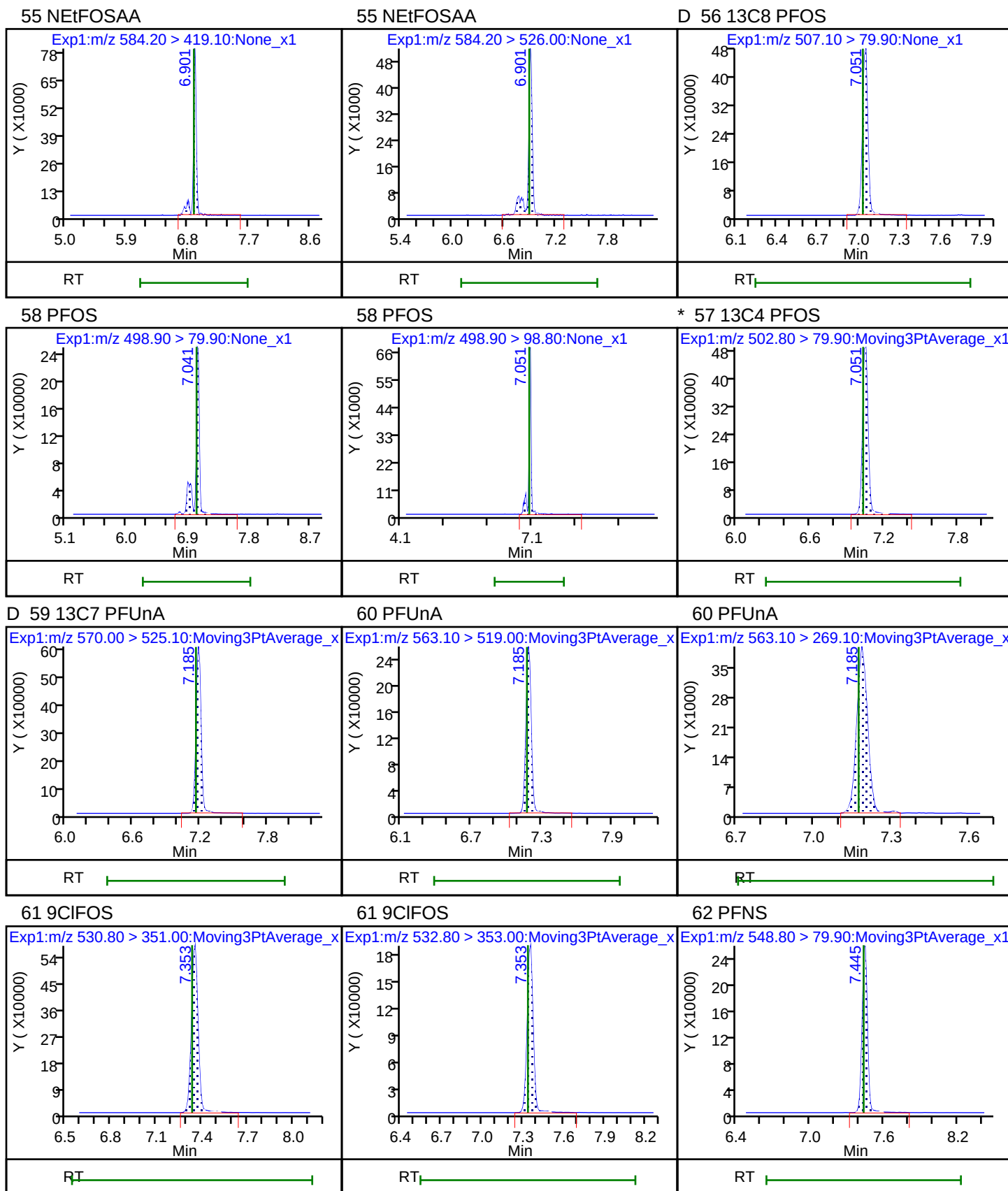


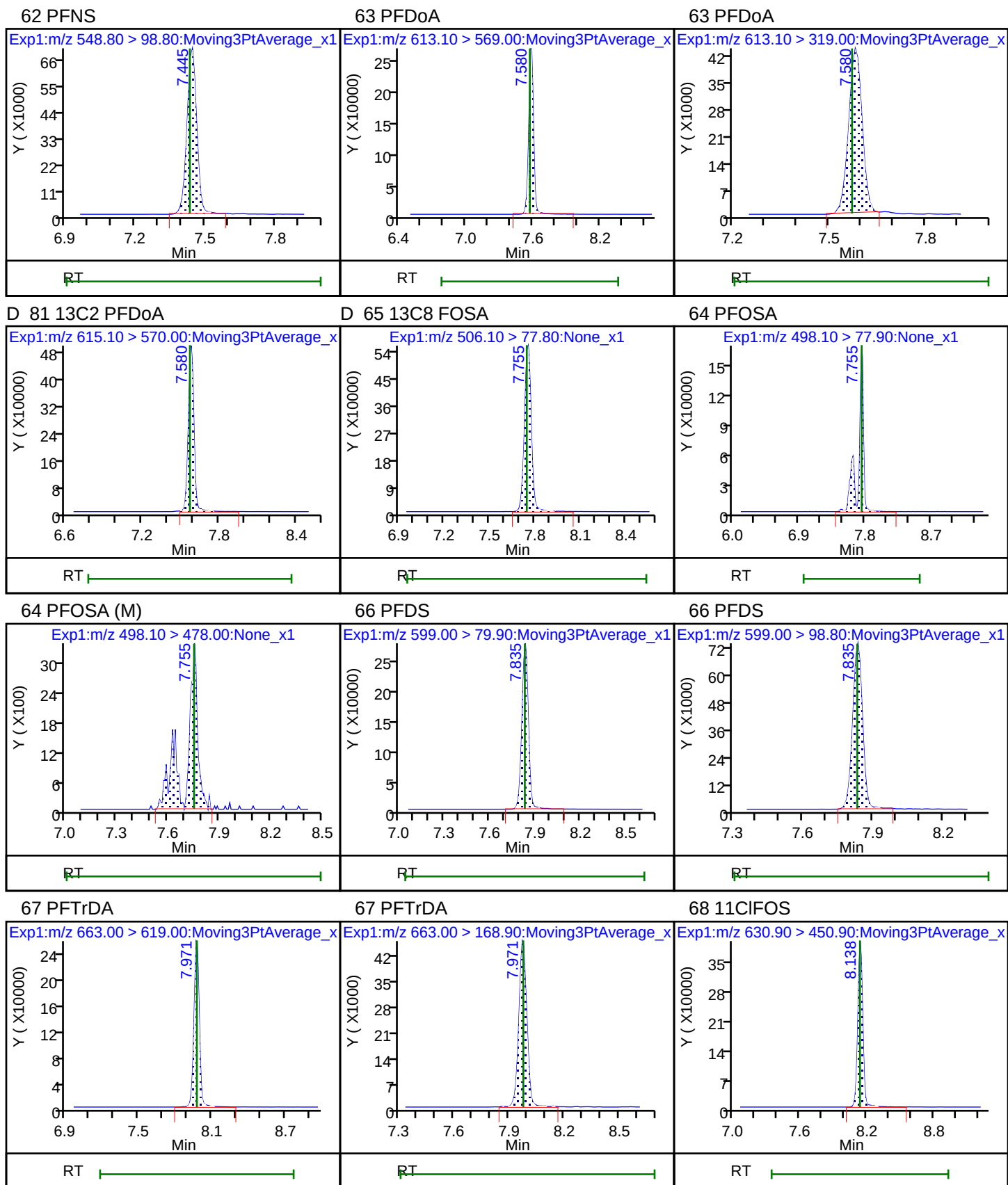
52 PFDA



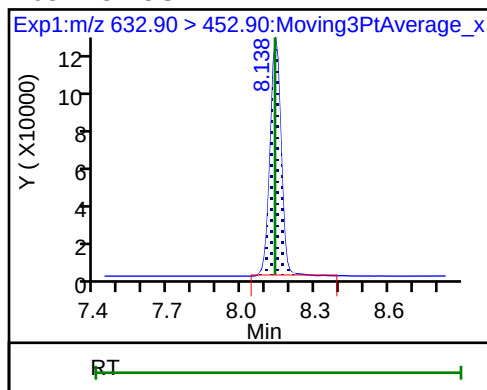
D 54 d5-NEtFOSAA



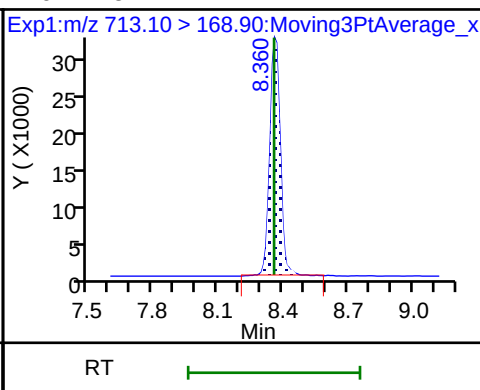




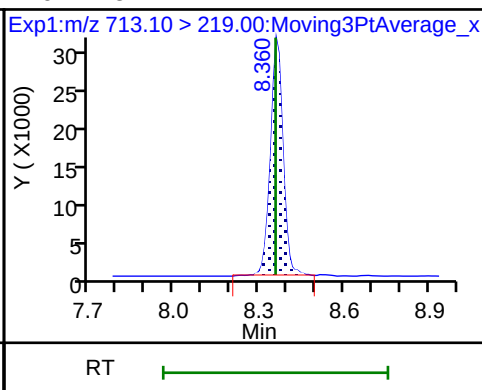
68 11CIFOS



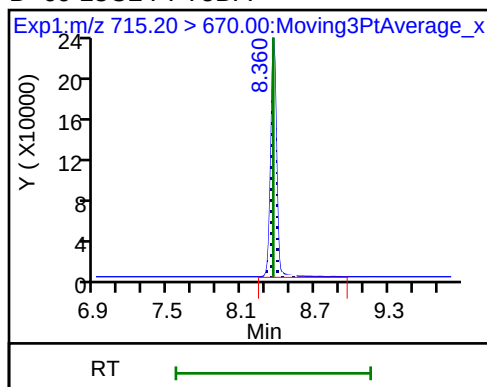
70 PFTeDA



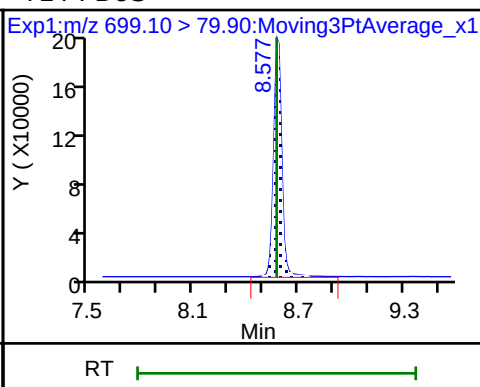
70 PFTeDA



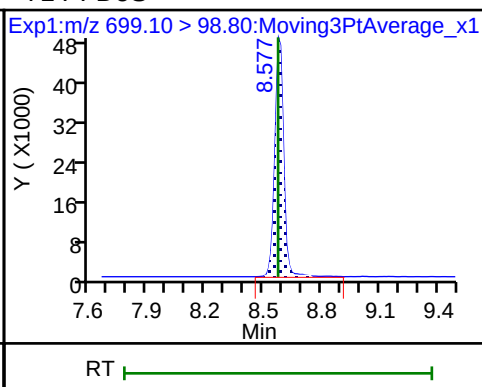
D 69 13C2 PFTeDA



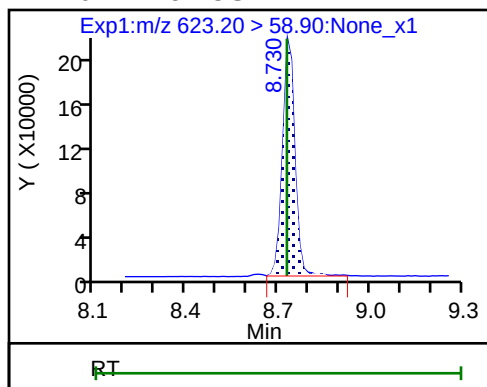
71 PFDoS



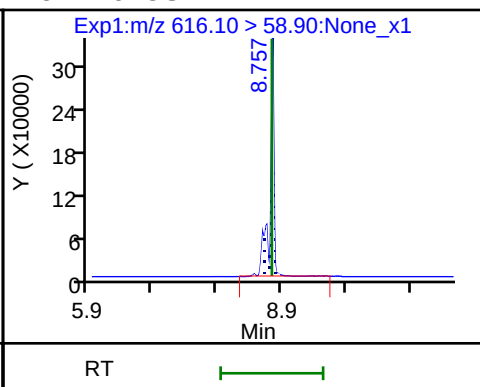
71 PFDoS



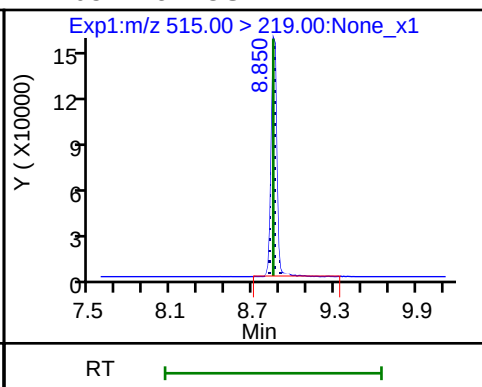
D 72 d7-N-Me-FOSE



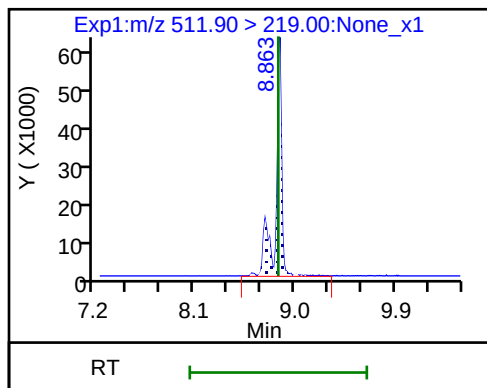
73 N-MeFOSE-M



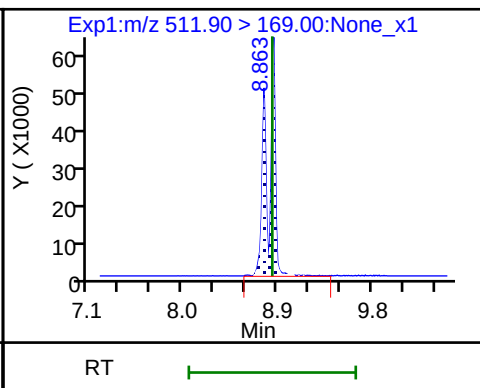
D 74 d3-NMePFOSA



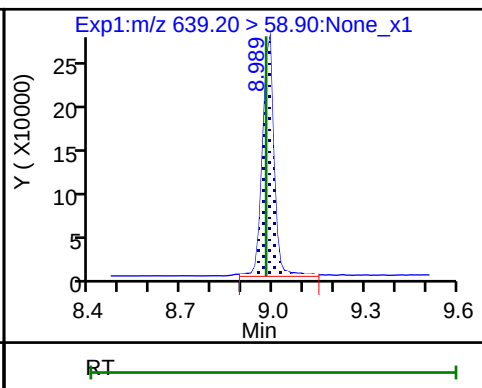
75 NMeFOSA

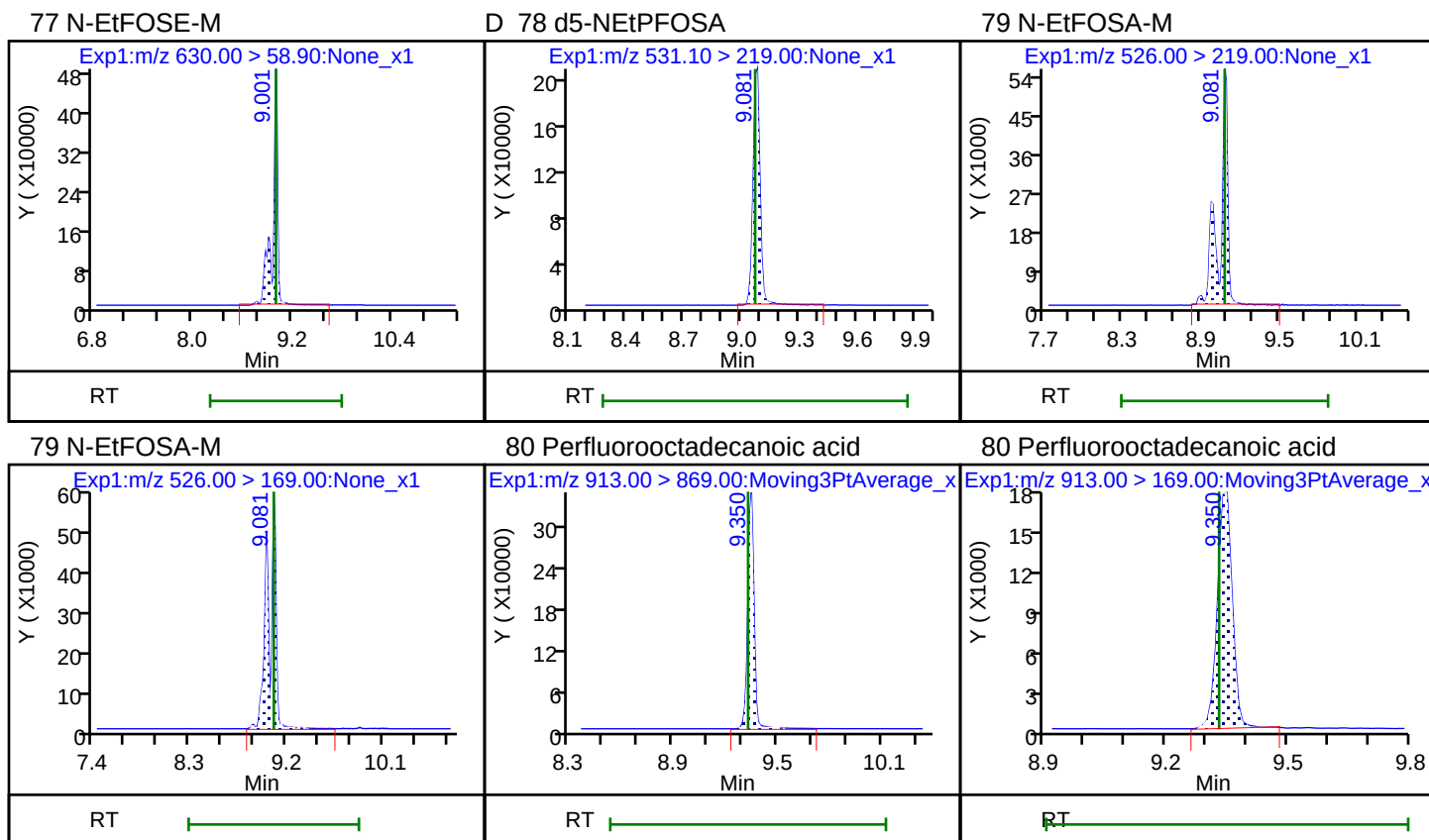


75 NMeFOSA



D 76 d9-N-EtFOSE





Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-05.d
 Lims ID: ICISAV CAL 5
 Client ID:
 Sample Type: ICISAV Calib Level: 5
 Inject. Date: 29-Nov-2025 12:10:08 ALS Bottle#: 6 Worklist Smp#: 5
 Injection Vol: 7.0 ul Dil. Factor: 1.0000
 Sample Info: ICISAV CAL 5
 Misc. Info.: Plate: 1 Rack: 1 410-0168303-005
 Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570
 Sublist: chrom-30570-1633-125ml*sub7
 Method: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\30570-1633-125ml.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 02-Dec-2025 10:38:33 Calib Date: 29-Nov-2025 12:50:55
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-08.d

Column 1 : Det: EXP1
 Process Host: CTX1614

First Level Reviewer: QY4X Date: 02-Dec-2025 10:36:32

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	1.984	1.984	0.0	0.483	966841	2.09		105	111364	
2 Perfluoropropionic acid										
163.00 > 119.00	1.996	1.996	0.0	1.006	5800656	12.2		97.2	47522	
5 PFBA										
212.80 > 168.90	4.103	4.103	0.0	1.000	2888027	4.97		99.4	32151	
D 3 13C4-PFBA										
216.80 > 171.90	4.103	4.103	0.0	0.998	1271910	2.02		101	6343	
* 4 13C3PFBA										
216.00 > 172.00	4.109	4.109	0.0		1082744	2.00			1080	
6 PFMPA										
229.00 > 84.90	4.415	4.415	0.0	0.931	1635812	2.46		98.2	4164	
7 3:3 FTCA										
241.00 > 177.00	4.424	4.424	0.0	0.932	154891	4.92	Target=1.36	98.5	1501	
241.00 > 117.00	4.424	4.424	0.0	0.932	114544		1.35(0.68-2.03)	98.5	840	
D 8 13C5 PFPeA										
268.30 > 223.00	4.744	4.744	0.0	0.912	1029203	2.06		103	4615	
9 PFPA										
263.00 > 219.00	4.744	4.744	0.0	1.000	1511708	2.43		97.3	1504	
10 PFMBA										
279.00 > 85.10	4.890	4.890	0.0	1.031	2181887	2.46		98.4	7819	
11 4:2FTS										
327.10 > 307.00	5.017	5.017	0.0	1.000	1018293	4.58	Target=1.51	97.7	15855	
327.10 > 80.90	5.017	5.017	0.0	1.000	679646		1.50(0.76-2.27)	97.7	3264	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.017	5.017	0.0	0.806	633670	4.72		101	4708	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.153	5.153	0.0	0.993	312398	2.56	Target=1.56	102	3829	
295.00 > 84.90	5.153	5.153	0.0	0.993	194658		1.60(0.78-2.34)	102	1738	
D 15 13C5 PFHxA										
318.00 > 273.00	5.190	5.190	0.0	0.998	1389053	2.01		101	6556	
17 PFHxA										
313.00 > 269.00	5.200	5.200	0.0	1.002	1665507	2.48	Target=10.42	99.3	2429	
313.00 > 118.90	5.200	5.200	0.0	1.002	156009		10.68(5.21-15.63)	99.3	1149	
* 16 13C2 PFHxA										a
315.10 > 270.00	5.200	5.200	0.0		3047345	5.00			4778	a
18 5:3 FTCA										
341.00 > 237.10	5.278	5.278	0.0	1.017	1146186	12.6	Target=0.88	101	3000	
341.00 > 217.00	5.278	5.278	0.0	1.017	1258796		0.91(0.44-1.32)	101	4495	
D 20 13C3 PFBS										
302.10 > 79.90	5.329	5.329	0.0	0.856	1313715	1.90		102	5013	
19 PFBS										a
298.70 > 79.90	5.329	5.329	0.0	1.000	1904848	2.20	Target=2.90	99.3	3048	a
298.70 > 98.80	5.329	5.329	0.0	1.000	665076		2.86(1.45-4.35)	99.3	2721	
21 HFPO-DA										
284.90 > 168.90	5.384	5.384	0.0	1.000	934399	1.79	Target=2.63	95.6	2977	
284.90 > 184.90	5.384	5.384	0.0	1.000	360360		2.59(1.31-3.94)	95.6	2884	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.384	5.384	0.0	1.035	1007179	2.12		106	4054	
23 FBSA										
297.90 > 78.00	5.395	5.395	0.0	1.012	1788137	2.46		98.3	3015	
26 PFEESA										a
314.80 > 134.90	5.566	5.566	0.0	1.072	4547993	2.25	Target=12.57	101	5196	a
314.80 > 82.90	5.566	5.566	0.0	1.072	356723		12.75(6.29-18.86)	101	1613	
28 PFHpA										
363.10 > 319.00	5.610	5.610	0.0	1.000	1397837	2.45	Target=2.27	97.9	2096	
363.10 > 169.00	5.610	5.610	0.0	1.000	619064		2.26(1.13-3.40)	97.9	1756	
D 27 13C4 PFHpA										
367.10 > 322.00	5.610	5.610	0.0	1.079	1201755	2.04		102	7771	
29 ADONA										
376.90 > 250.90	5.765	5.765	0.0	1.071	3789828	2.28	Target=1.85	96.5	4557	
376.90 > 84.80	5.765	5.765	0.0	1.071	1975627		1.92(0.93-2.78)	96.5	4720	
30 PFPeS										
349.10 > 79.90	5.799	5.799	0.0	0.932	1510579	2.36	Target=3.26	100	4199	
349.10 > 98.90	5.799	5.799	0.0	0.932	463776		3.26(1.63-4.89)	100	1418	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.810	5.810	0.0	0.934	490520	4.83		102	1727	
31 6:2FTS										
427.10 > 407.00	5.810	5.810	0.0	1.000	877560	4.53	Target=1.69	95.1	240	
427.10 > 80.90	5.810	5.810	0.0	1.000	521333		1.68(0.85-2.54)	95.1	225	
33 BTS										
280.00 > 147.00	5.967	5.967	0.0	0.959	2784318	2.39		97.8	7435	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
36 PFOA										
413.00 > 369.00	6.007	6.007	0.0	1.000	1457722	2.49	Target=2.18	99.5	2338	
413.00 > 169.00	6.007	6.007	0.0	1.000	699156		2.08(1.09-3.27)	99.5	1178	
* 35 13C4 PFOA										
417.10 > 372.00	6.007	6.007	0.0		3533658	5.00			30649	
D 34 13C8 PFOA										a
421.10 > 376.00	6.007	6.007	0.0	1.000	1451241	1.99		99.4	2157	a
37 7:3 FTCA										
441.00 > 316.90	6.067	6.067	0.0	1.169	584076	12.2	Target=0.46	97.2	1842	
441.00 > 336.90	6.067	6.067	0.0	1.169	1284055		0.45(0.23-0.69)	97.2	3149	
* 38 18O2 PFHxS										
403.00 > 83.90	6.223	6.223	0.0		946762	1.90			2912	
40 PFHxS										
398.70 > 79.90	6.223	6.223	0.0	1.000	1322782	2.27	Target=3.38	99.6	423808	
398.70 > 98.90	6.223	6.223	0.0	1.000	398962		3.32(1.69-5.07)	99.6	1159	
D 39 13C3 PFHxS										
402.10 > 79.90	6.223	6.223	0.0	1.000	968408	1.91		101	1364	
* 41 13C5 PFNA										
468.00 > 423.00	6.389	6.389	0.0		1368285	2.00			3261	
D 42 13C9 PFNA										
472.10 > 427.00	6.389	6.389	0.0	1.000	1301733	1.98		98.9	2237	
43 PFNA										
463.00 > 419.00	6.389	6.389	0.0	1.000	1424215	2.37	Target=2.51	94.9	2291	
463.00 > 219.00	6.389	6.389	0.0	1.000	603067		2.36(1.25-3.76)	94.9	875	
44 8:2FTS										
527.10 > 507.00	6.558	6.558	0.0	1.000	762530	4.80	Target=1.31	100	926	
527.10 > 80.80	6.558	6.558	0.0	1.000	575509		1.32(0.66-1.97)	100	1096	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.558	6.558	0.0	1.054	577056	4.56		95.0	2505	
46 PFECHS										a
461.00 > 381.00	6.600	6.600	0.0	1.060	408477	2.26	Target=0.28	97.8	1568	a
461.00 > 99.00	6.600	6.600	0.0	1.060	1452673		0.28(0.14-0.42)	97.8	2053	
47 PFHpS										a
449.00 > 79.90	6.631	6.631	0.0	0.943	1487337	2.35	Target=3.66	98.3	3740	a
449.00 > 98.80	6.631	6.631	0.0	0.943	395600		3.76(1.83-5.50)	98.3	1192	
53 FHxSA										
397.90 > 78.00	6.641	6.641	0.0	1.067	1853862	2.44		97.6	3530	
49 NMeFOSAA										
570.10 > 419.00	6.715	6.715	0.0	1.000	552938	2.53	Target=1.85	101	180484	
570.10 > 483.00	6.715	6.715	0.0	1.000	289298		1.91(0.93-2.78)	101	746	
D 48 d3-NMeFOSAA										a
573.20 > 419.00	6.715	6.715	0.0	0.955	1108325	4.82		96.3	1256	a
* 50 13C2 PFDA										
515.10 > 470.10	6.772	6.772	0.0		1148088	2.00			2918	
D 51 13C6 PFDA										
519.10 > 474.10	6.772	6.772	0.0	1.000	1169152	2.01		100	4816	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
52 PFDA										
512.90 > 469.00	6.772	6.772	0.0	1.000	1448129	2.48	Target=4.24	99.1	496238	
512.90 > 219.00	6.772	6.772	0.0	1.000	341073		4.25(2.12-6.36)	99.1	1208	
D 54 d5-NEtFOSAA										a
589.20 > 419.00	6.880	6.880	0.0	0.979	1102128	4.78		95.5	1402	a
55 NEtFOSAA										
584.20 > 419.10	6.889	6.889	0.0	1.001	421888	2.50	Target=1.39	100.0	1091	
584.20 > 526.00	6.880	6.889	-0.009	1.000	293877		1.44(0.69-2.08)	100.0	869	
D 56 13C8 PFOS										
507.10 > 79.90	7.029	7.029	0.0	1.000	987914	1.89		98.8	1331	
58 PFOS										
498.90 > 79.90	7.029	7.029	0.0	1.000	1759638	2.22	Target=4.36	95.6	4982	
498.90 > 98.80	7.029	7.029	0.0	1.000	399708		4.40(2.18-6.54)	95.6	1322	
* 57 13C4 PFOS										
502.80 > 79.90	7.029	7.029	0.0		1133765	1.92			5829	
D 59 13C7 PFUnA										
570.00 > 525.10	7.162	7.162	0.0	1.058	1328873	2.01		100	3102	
60 PFUnA										
563.10 > 519.00	7.172	7.172	0.0	1.001	1457299	2.50	Target=6.42	99.9	5979	
563.10 > 269.10	7.172	7.172	0.0	1.001	238111		6.12(3.21-9.63)	99.9	1121	
61 9ClFOS										
530.80 > 351.00	7.333	7.333	0.0	1.043	3184275	2.24	Target=3.19	96.0	4158	
532.80 > 353.00	7.333	7.333	0.0	1.043	1013633		3.14(1.60-4.79)	96.0	2381	
62 PFNS										
548.80 > 79.90	7.433	7.433	0.0	1.058	1389193	2.35	Target=3.60	97.8	3100	
548.80 > 98.80	7.433	7.433	0.0	1.058	398738		3.48(1.80-5.40)	97.8	3057	
63 PFDoA										
613.10 > 569.00	7.570	7.570	0.0		1443253	2.49	Target=6.08	99.7	1936	
613.10 > 319.00	7.570	7.570	0.0		231992		6.22(3.04-9.12)	99.7	2625	
D 81 13C2 PFDoA										a
615.10 > 570.00	7.570	7.570	0.0	1.118	1124306	2.01		101	1934	a
D 65 13C8 FOSA										a
506.10 > 77.80	7.745	7.745	0.0	1.102	1300317	1.92		95.9	1390	a
64 PFOSA										M
498.10 > 77.90	7.752	7.752	0.0	1.001	1434518	2.46	Target=49.65	98.5	3043	M
498.10 > 478.00	7.745	7.752	-0.007	1.000	27047		53.04(24.83-74.47)	98.5	82.5	M
66 PFDS										
599.00 > 79.90	7.831	7.831	0.0	1.114	1473632	2.33	Target=3.75	96.6	5844	
599.00 > 98.80	7.831	7.831	0.0	1.114	402547		3.66(1.88-5.63)	96.6	2702	
67 PFTTrDA										
663.00 > 619.00	7.976	7.976	0.0	0.954	1515813	2.53	Target=5.60	101	3881	
663.00 > 168.90	7.976	7.976	0.0	0.954	258957		5.85(2.80-8.40)	101	1246	
68 11ClFOS										
630.90 > 450.90	8.136	8.136	0.0	1.157	2258177	2.28	Target=3.10	96.5	4372	
632.90 > 452.90	8.136	8.136	0.0	1.157	723040		3.12(1.55-4.64)	96.5	2248	
70 PFTeDA										
713.10 > 168.90	8.358	8.358	0.0	1.000	205570	2.45	Target=1.16	98.2	1668	
713.10 > 219.00	8.358	8.358	0.0	1.000	178094		1.15(0.58-1.74)	98.2	2023	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 69 13C2 PFTeDA										
715.20 > 670.00	8.358	8.358	0.0	1.234	574898	2.02		101	2552	
71 PFDoS										
699.10 > 79.90	8.574	8.574	0.0	1.220	1202174	2.36	Target=4.00	97.4	2745	
699.10 > 98.80	8.574	8.574	0.0	1.220	292623		4.11(2.00-6.00)	97.4	1957	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.728	8.728	0.0	1.242	466945	4.97		99.3	345	
73 N-MeFOSE-M										
616.10 > 58.90	8.741	8.741	0.0	1.002	2649389	12.2		97.5	2222	
D 74 d3-NMePFOSA										
515.00 > 219.00	8.849	8.849	0.0	1.259	312123	1.90		94.9	1411	
75 NMeFOSA										
511.90 > 219.00	8.849	8.849	0.0	1.000	402120	2.50	Target=0.70	100	1346	
511.90 > 169.00	8.849	8.849	0.0	1.000	579588		0.69(0.35-1.05)	100	1209	
D 76 d9-N-EtFOSE										
639.20 > 58.90	8.976	8.976	0.0	1.277	539772	4.97		99.3	301	
77 N-EtFOSE-M										
630.00 > 58.90	9.000	9.000	0.0	1.003	3646146	11.9		95.1	2215	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.069	9.069	0.0	1.290	389743	1.97		98.4	1641	
79 N-EtFOSA-M										
526.00 > 219.00	9.080	9.080	0.0	1.001	445241	2.47	Target=0.81	98.7	2059	
526.00 > 169.00	9.080	9.080	0.0	1.001	548035		0.81(0.41-1.22)	98.7	1121	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.330	9.330	0.0	1.116	1567330	2.39	Target=18.06	95.5	5694	
913.00 > 169.00	9.330	9.330	0.0	1.116	85603		18.31(9.03-27.08)	95.5	1544	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

1633_125_CAL5_00036

Amount Added: 1.00

Units: mL

Data File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-05.d

Injection Date: 29-Nov-2025 12:10:08

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

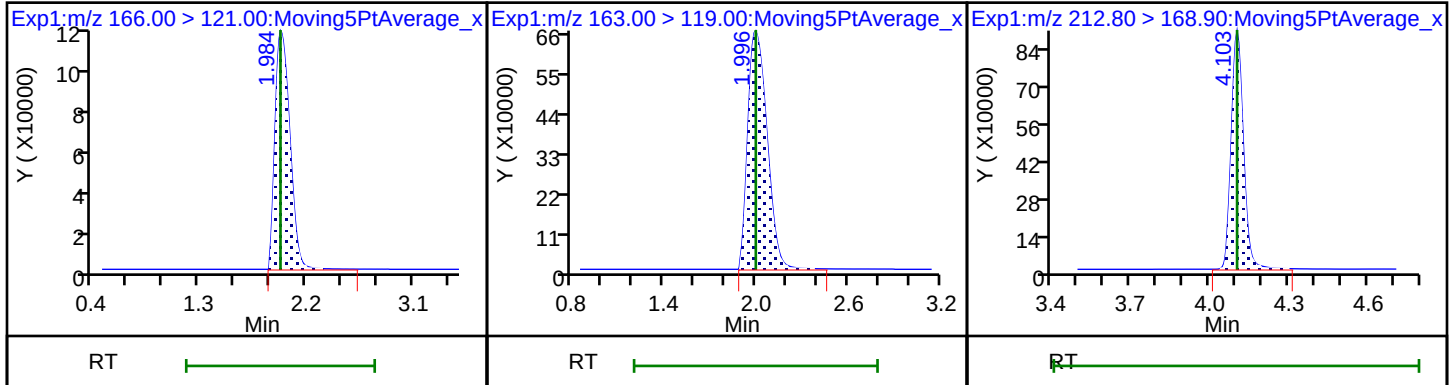
Method: 30570-1633-125ml

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid

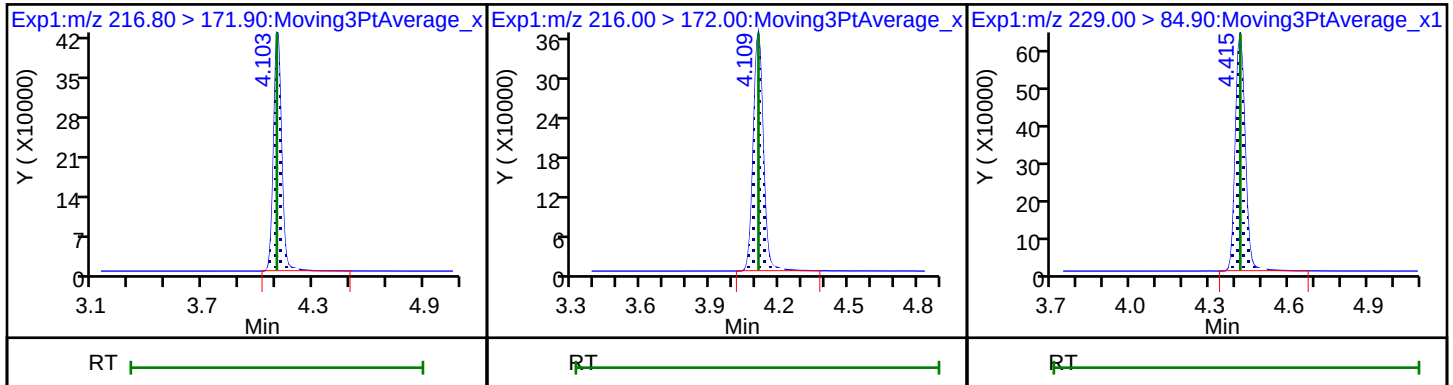
5 PFBA



D 3 13C4-PFBA

* 4 13C3PFBA

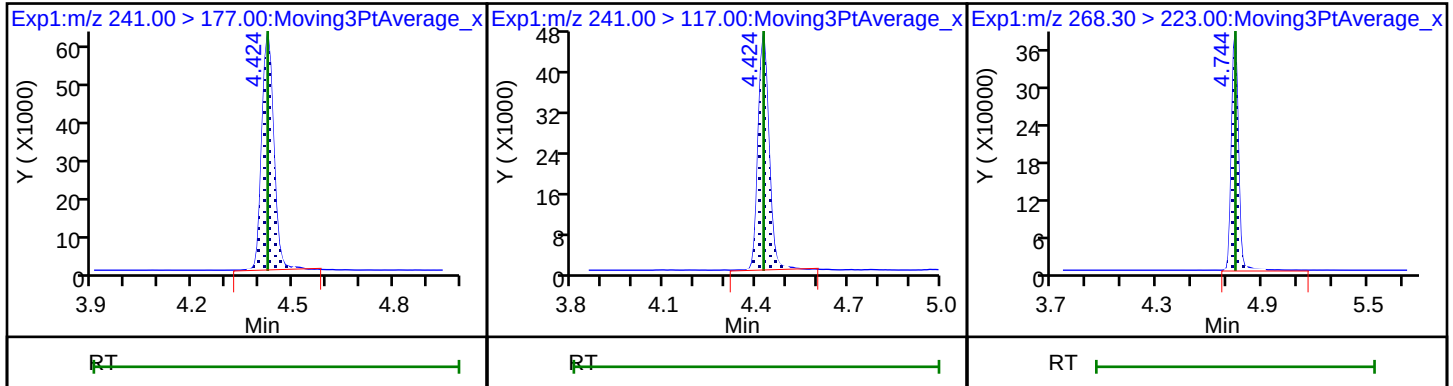
6 PFMPA



7 3:3 FTCA

7 3:3 FTCA

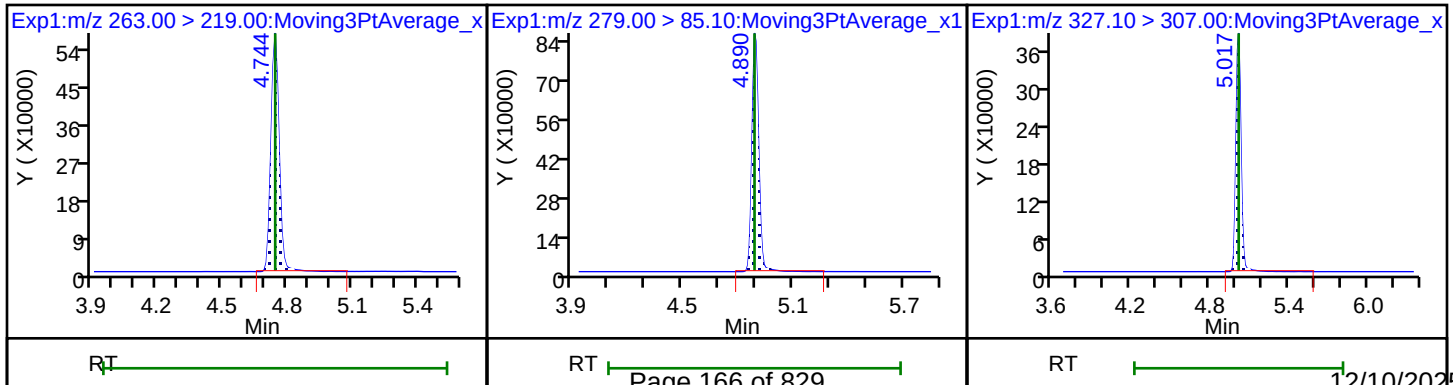
D 8 13C5 PFPeA



9 PFPA

10 PFMB A

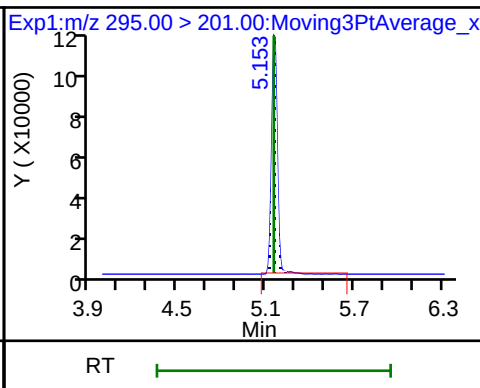
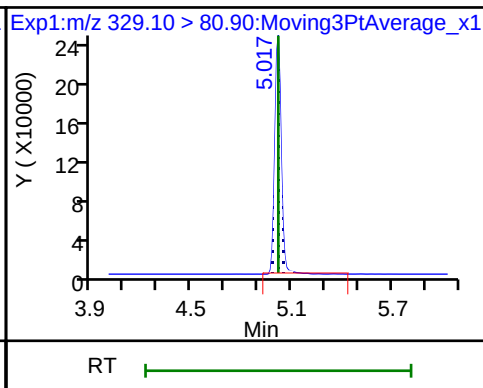
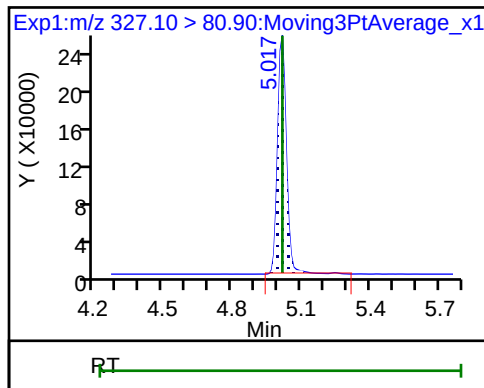
11 4:2FTS



11 4:2FTS

D 13 13C2-4:2FTS

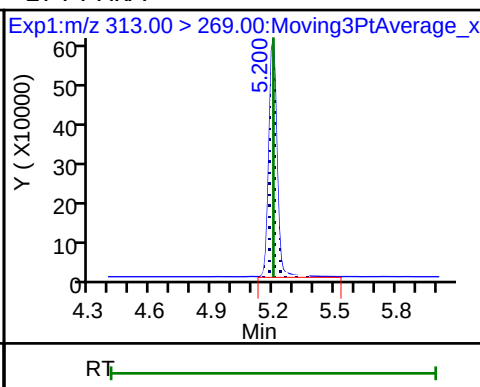
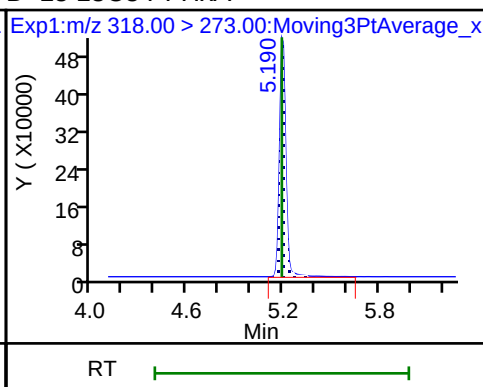
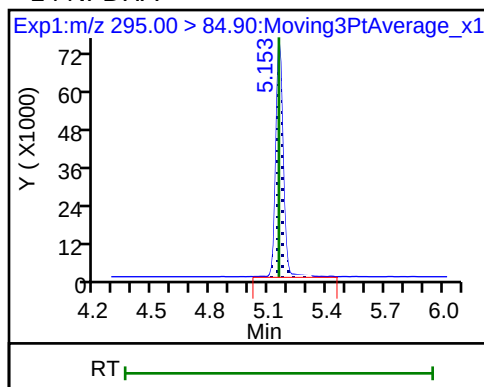
14 NFDHA



14 NFDHA

D 15 13C5 PFHxA

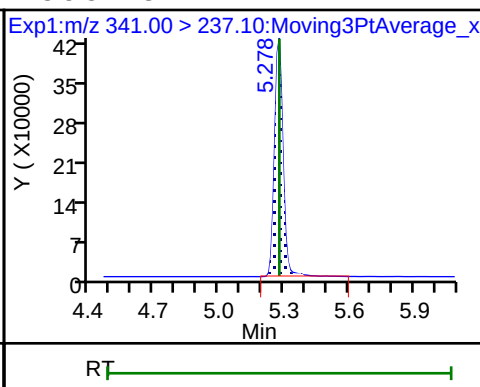
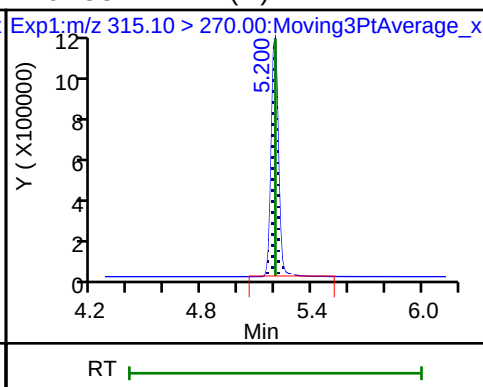
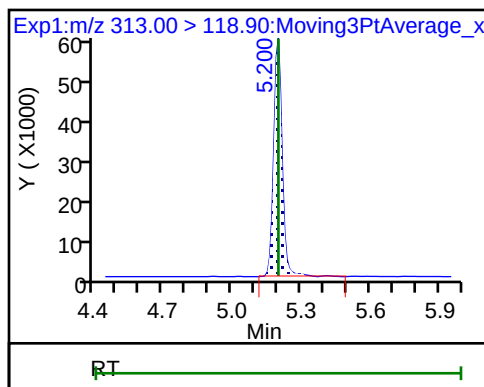
17 PFHxA



17 PFHxA

* 16 13C2 PFHxA (M)

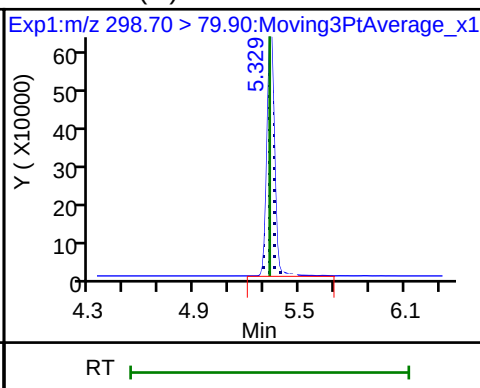
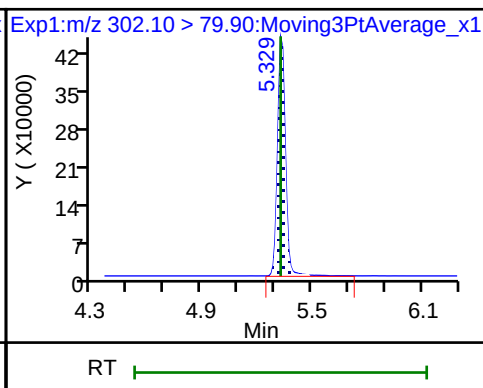
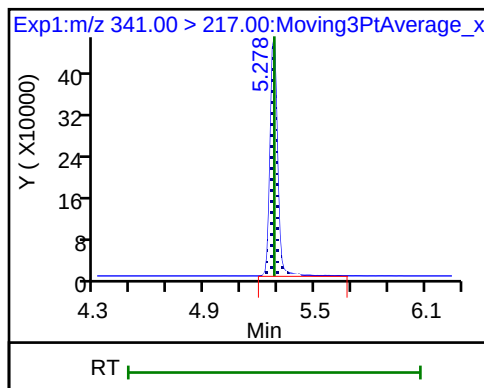
18 5:3 FTCA

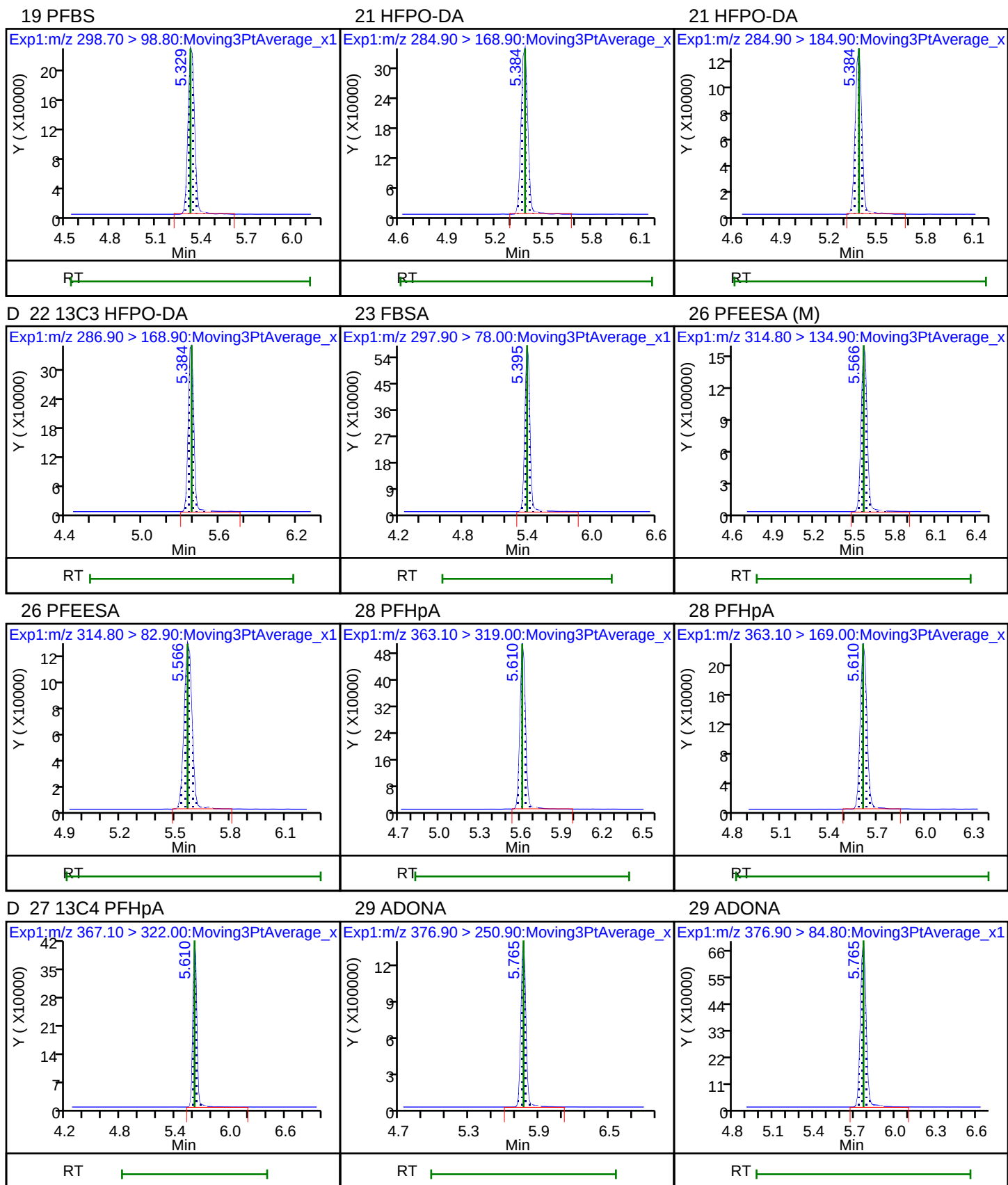


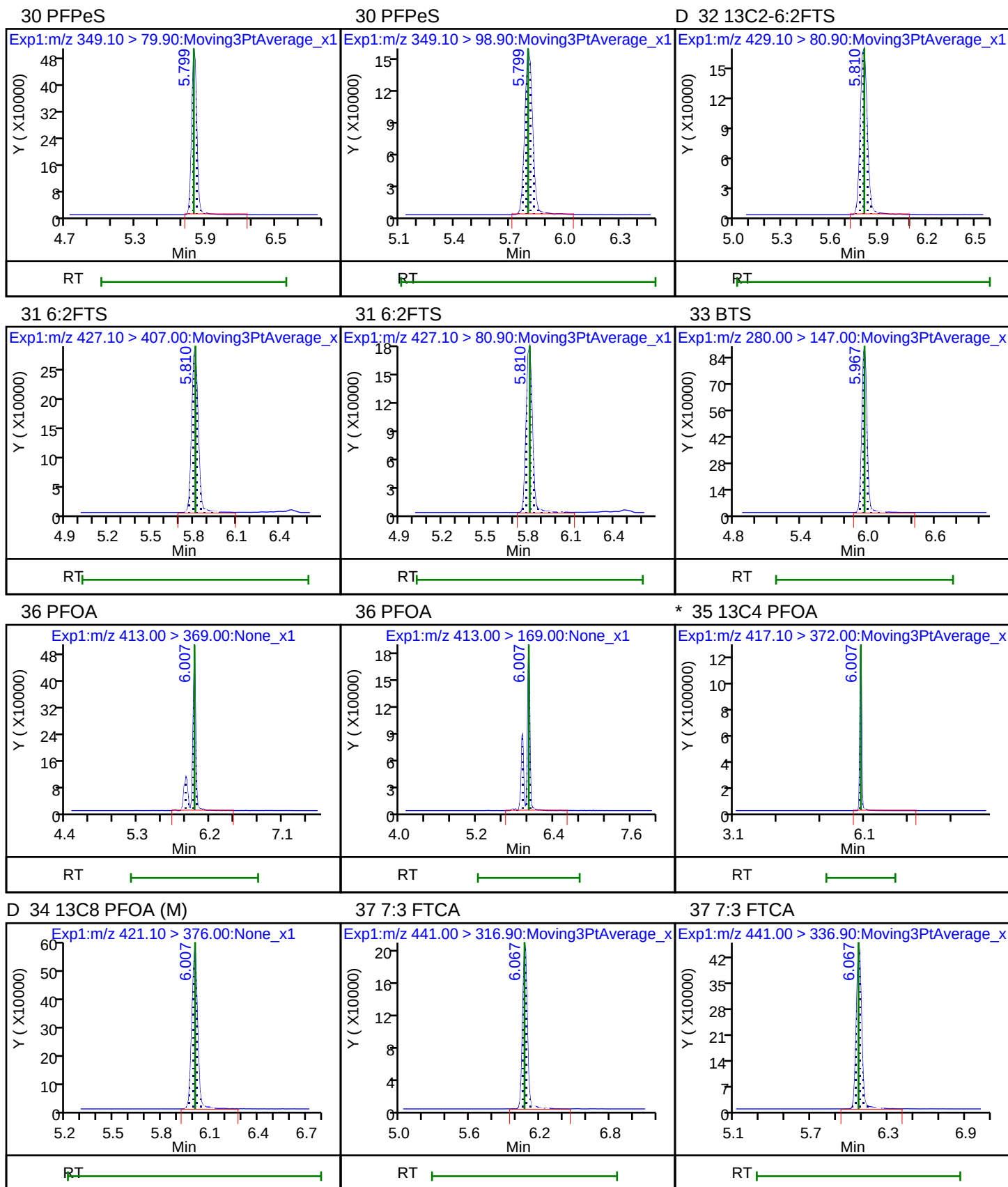
18 5:3 FTCA

D 20 13C3 PFBS

19 PFBS (M)



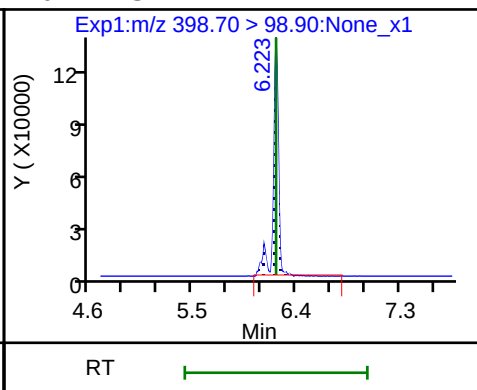
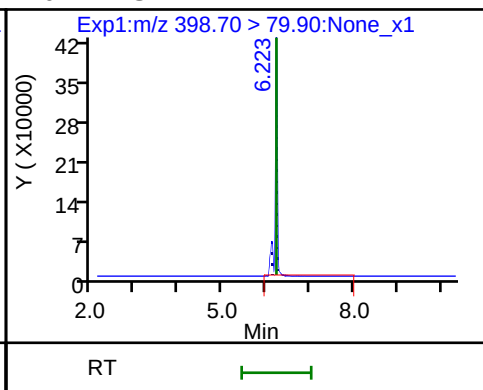
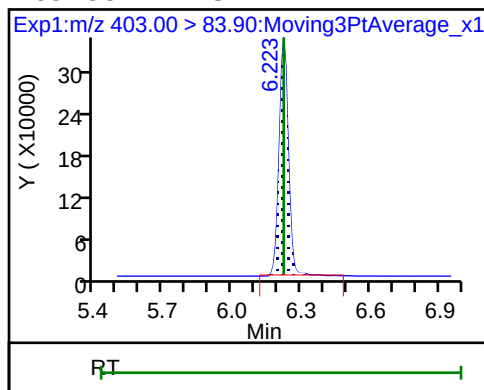




* 38 18O2 PFHxS

40 PFHxS

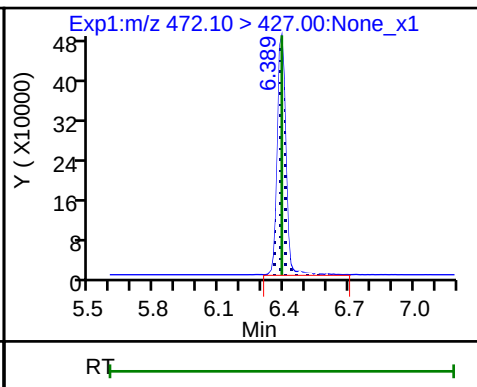
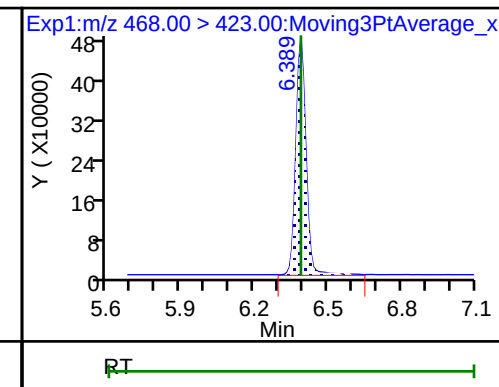
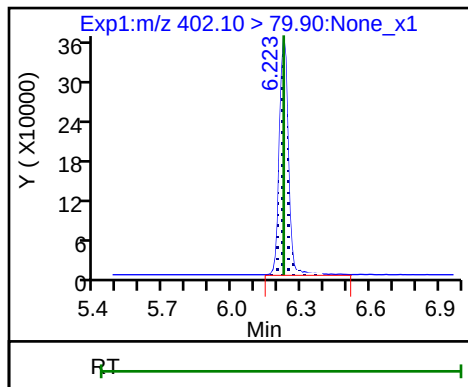
40 PFHxS



D 39 13C3 PFHxS

* 41 13C5 PFNA

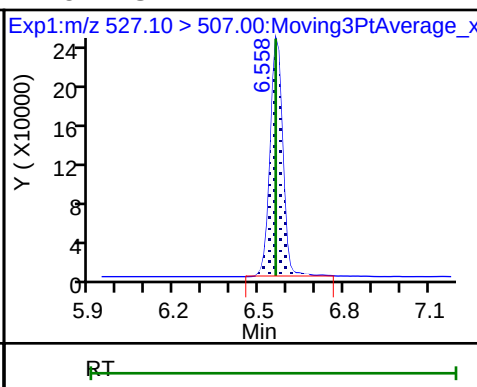
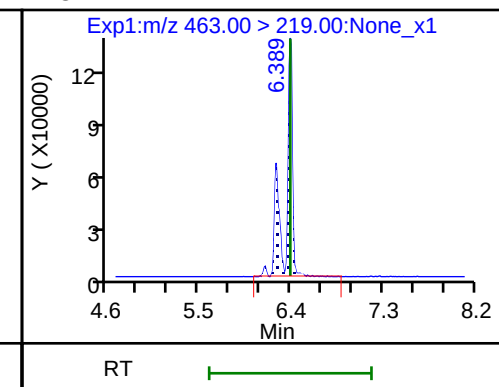
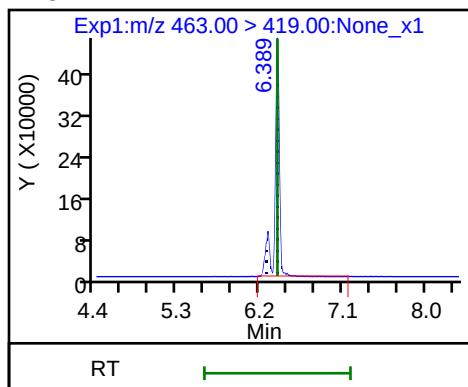
D 42 13C9 PFNA



43 PFNA

43 PFNA

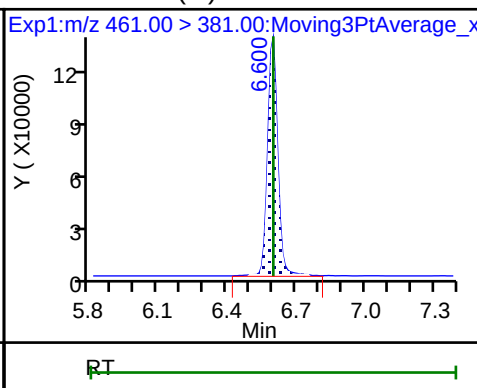
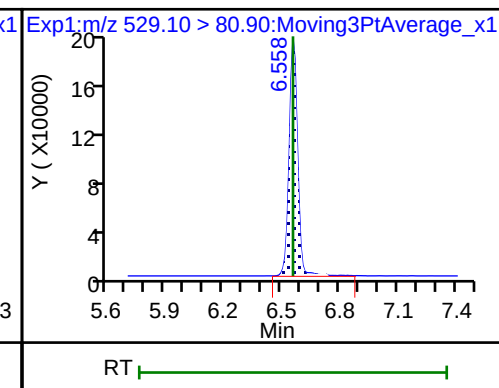
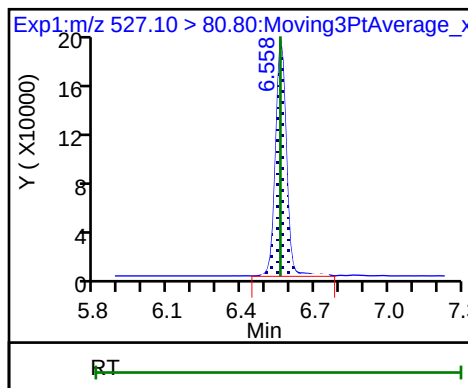
44 8:2FTS

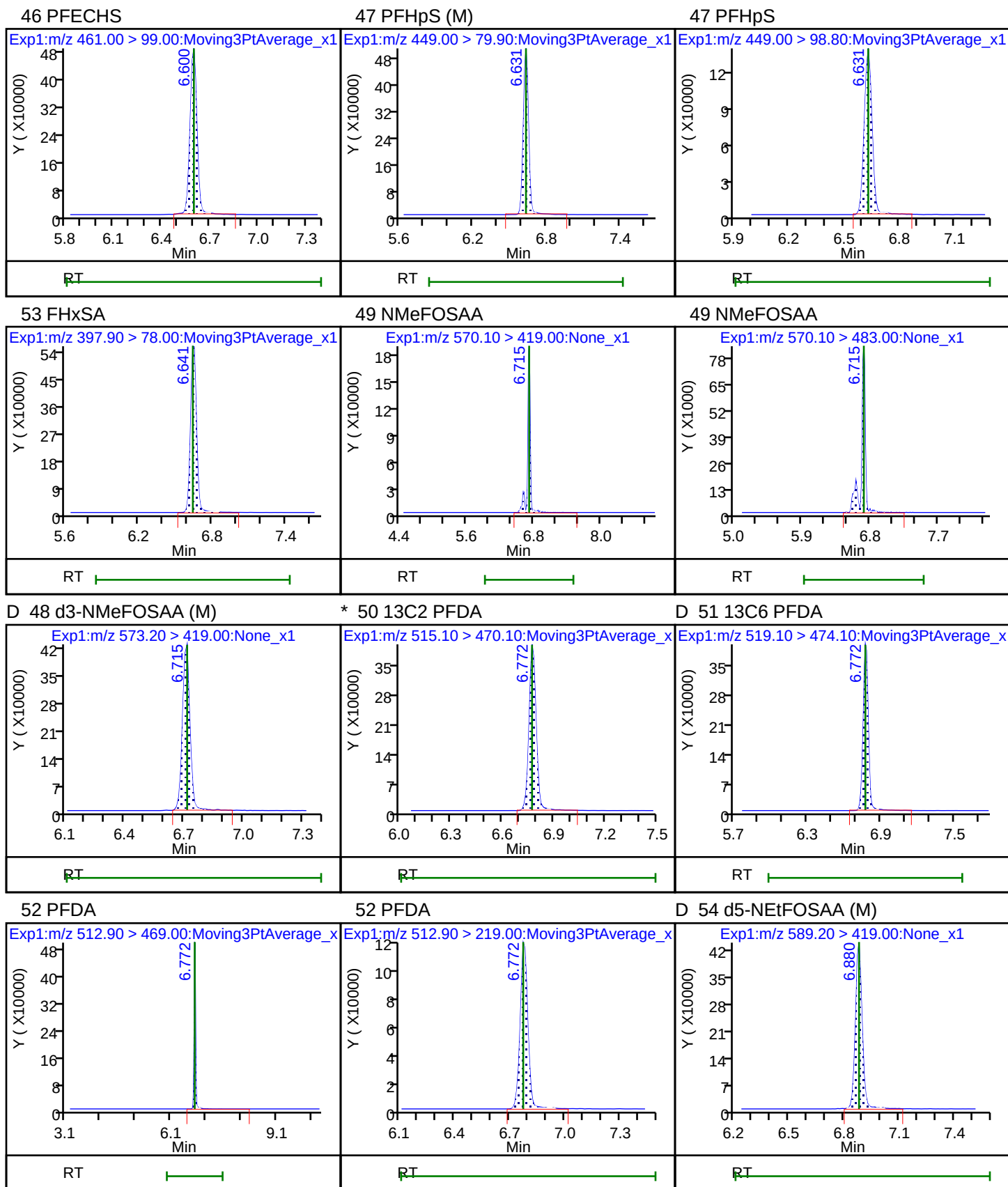


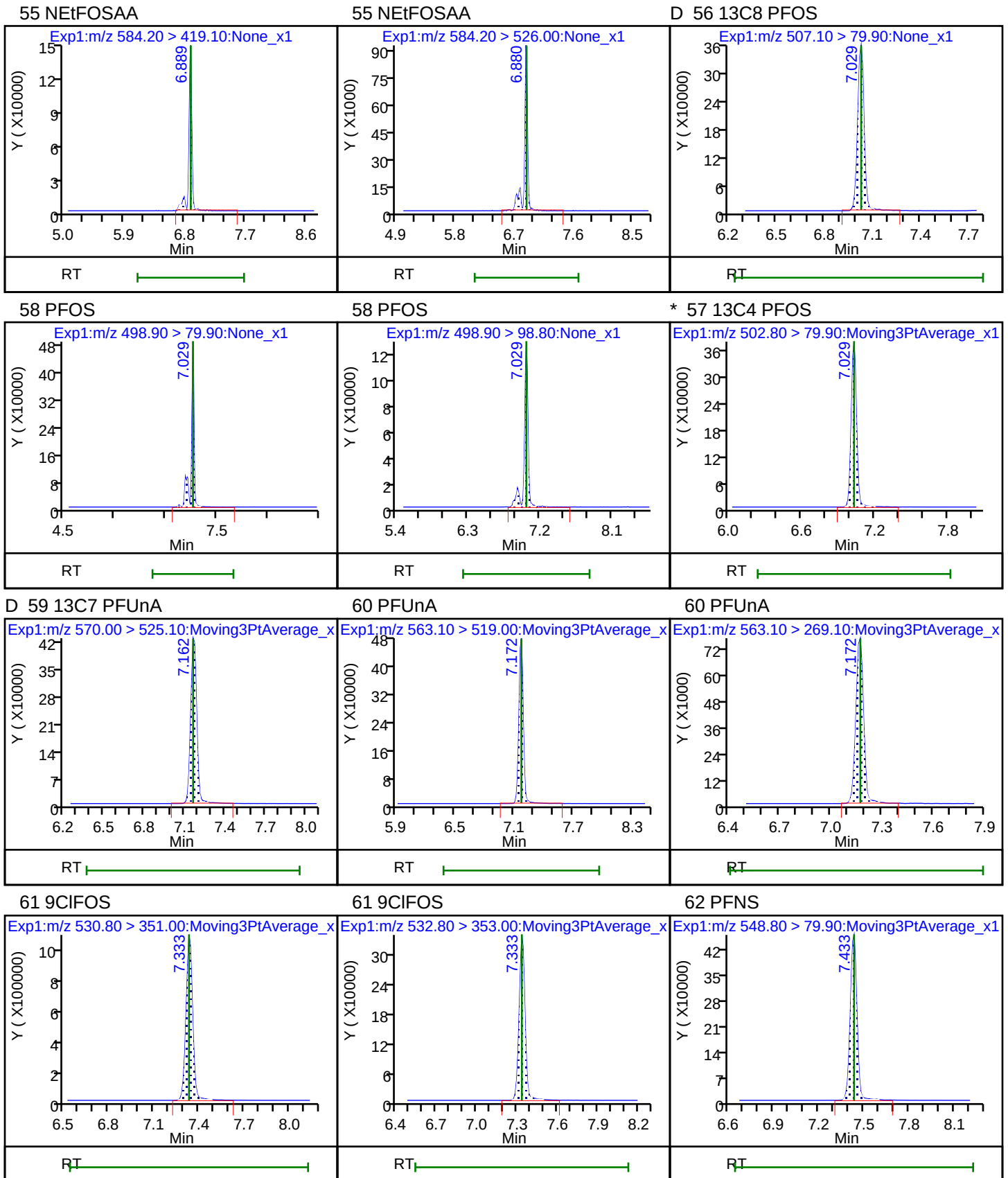
44 8:2FTS

D 45 13C2-8:2FTS

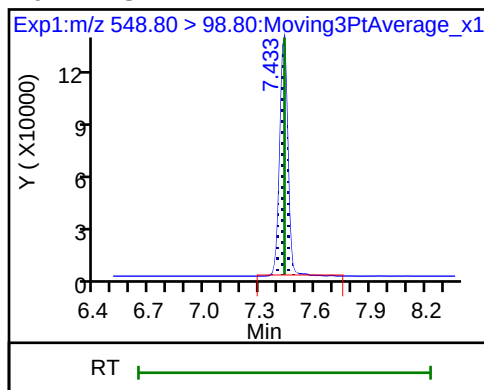
46 PFECHS (M)



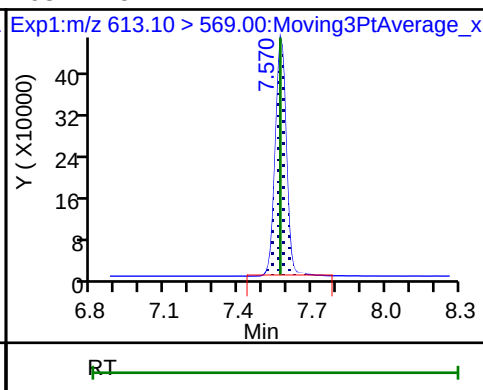




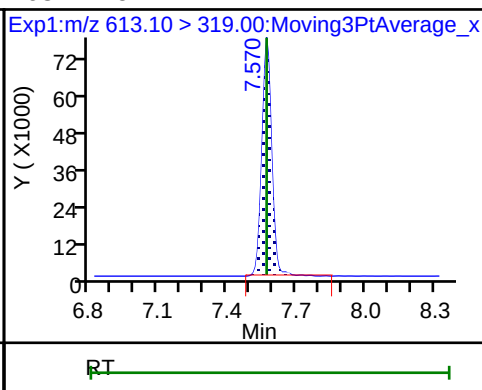
62 PFNS



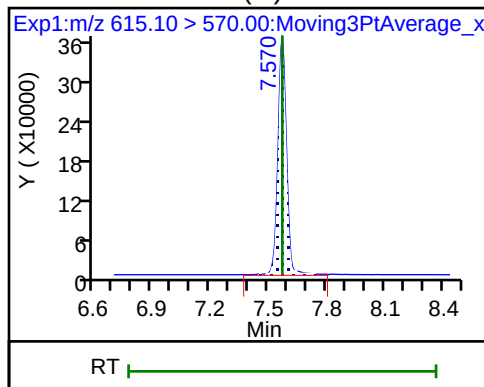
63 PFDaA



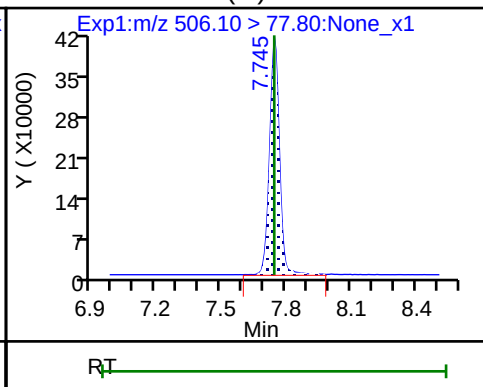
63 PFDaA



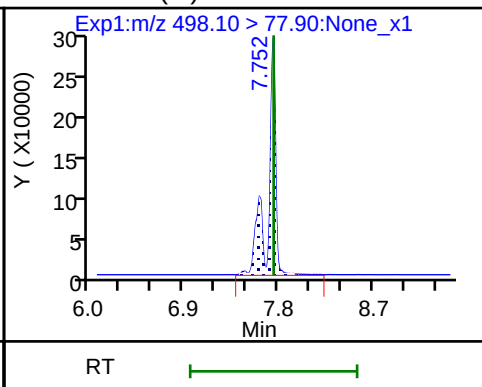
D 81 13C2 PFDaA (M)



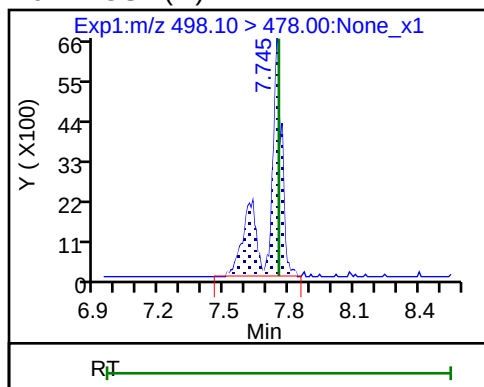
D 65 13C8 FOSA (M)



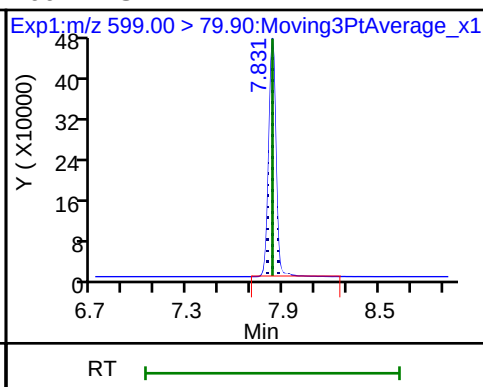
64 PFOSA (M)



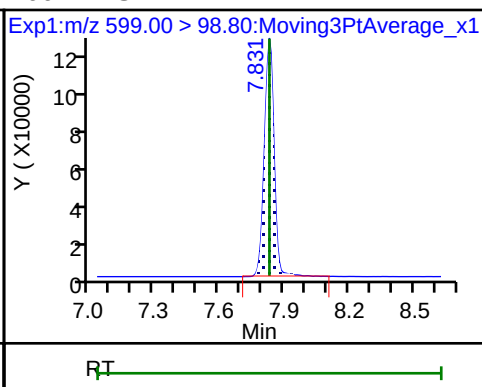
64 PFOSA (M)



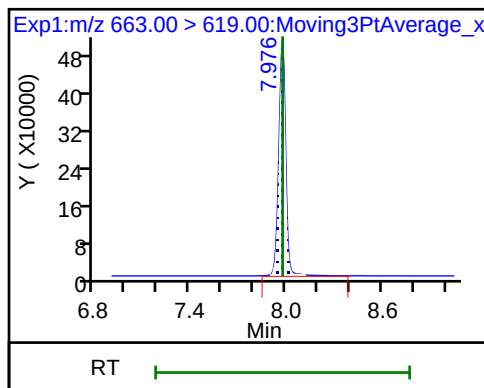
66 PFDS



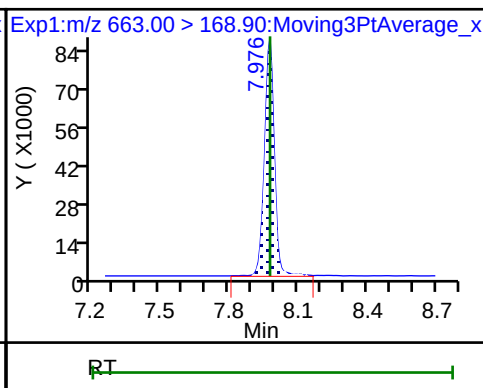
66 PFDS



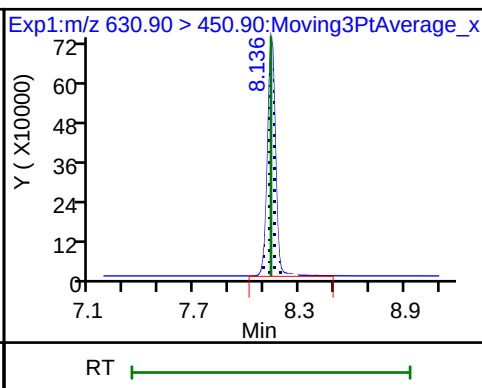
67 PFTrDA

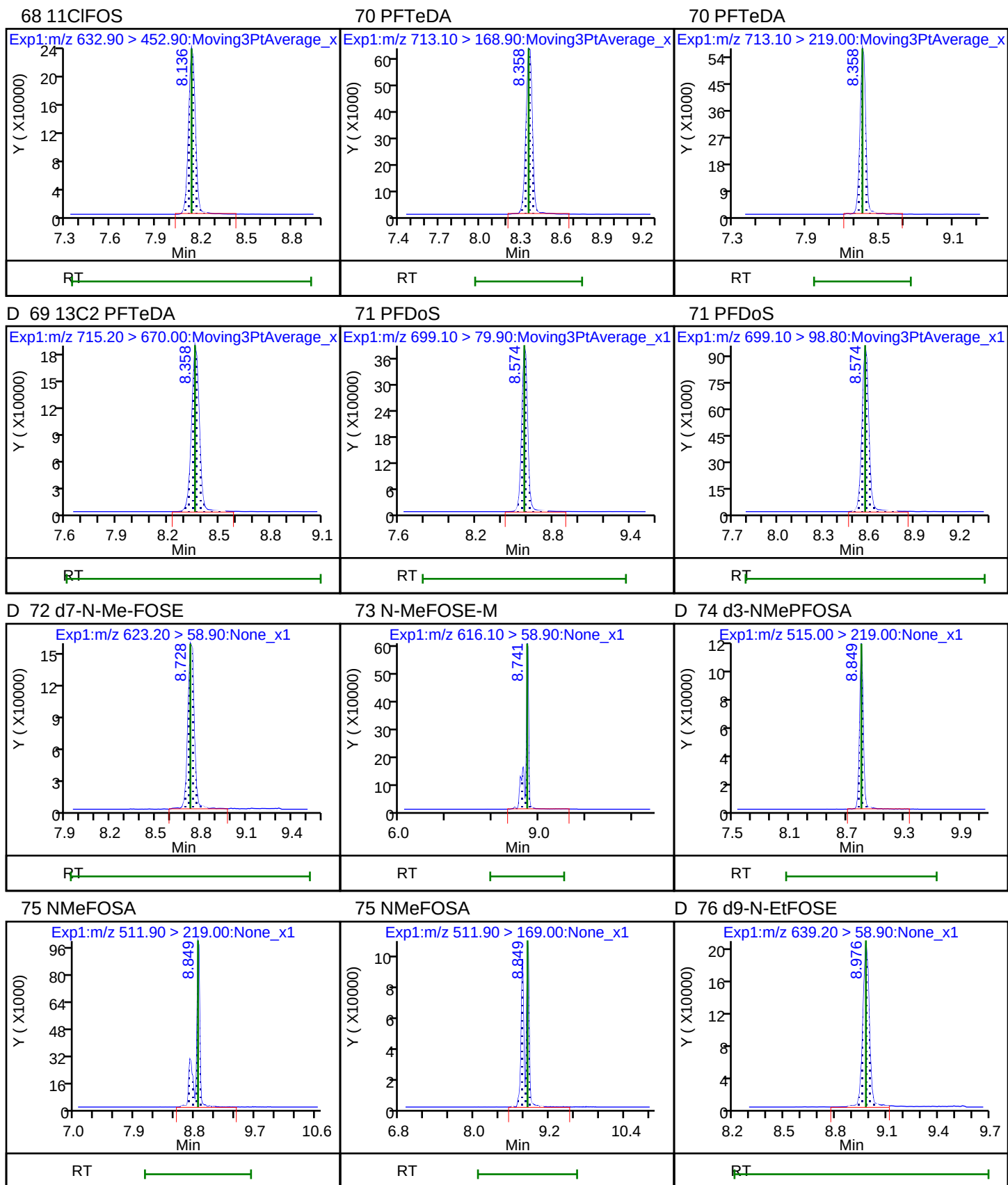


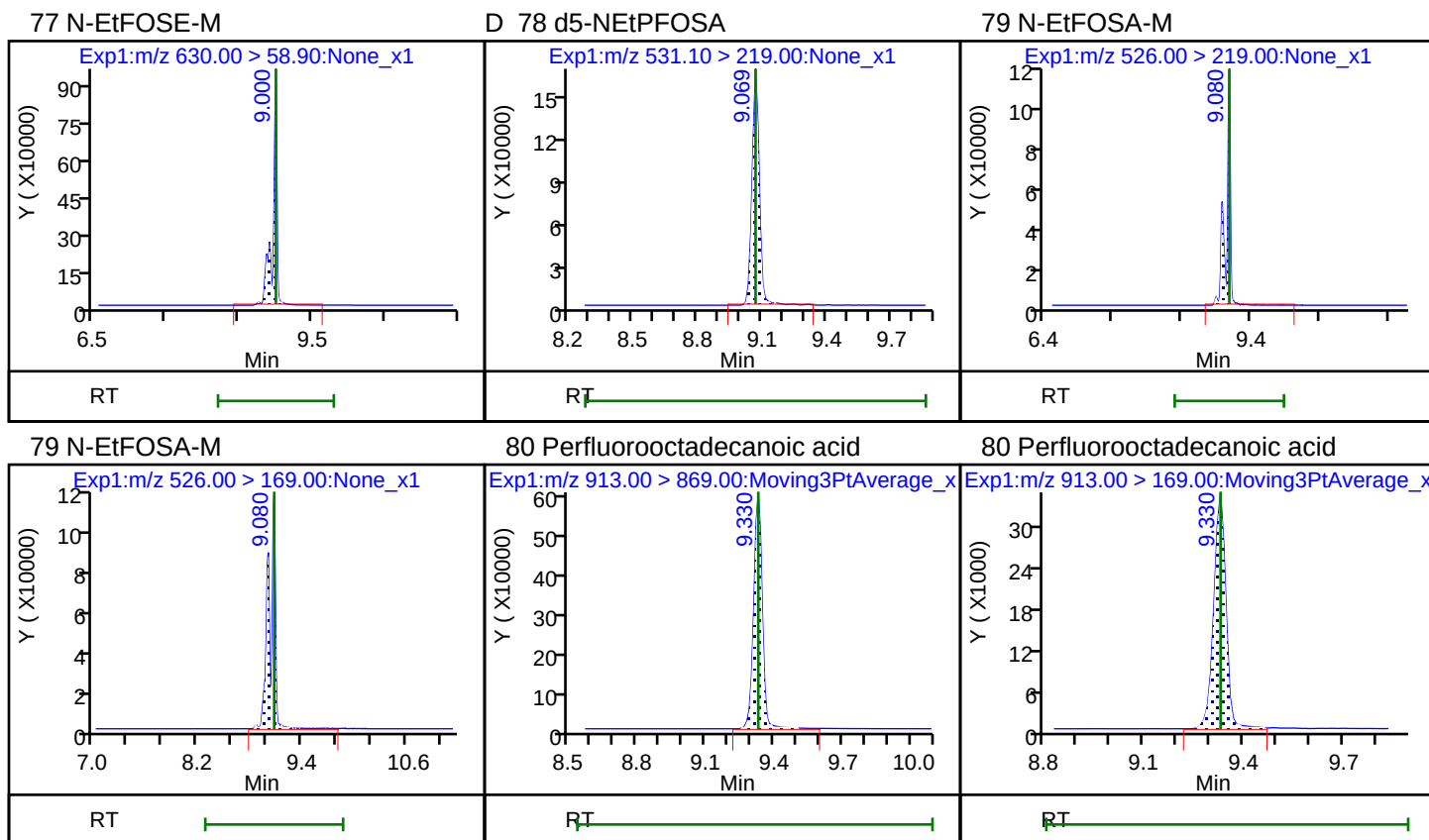
67 PFTrDA



68 11CIFOS







Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-06.d
 Lims ID: IC CAL 6
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 29-Nov-2025 12:23:43 ALS Bottle#: 7 Worklist Smp#: 6
 Injection Vol: 7.0 ul Dil. Factor: 1.0000
 Sample Info: IC CAL 6
 Misc. Info.: Plate: 1 Rack: 1 410-0168303-006
 Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570
 Sublist: chrom-30570-1633-125ml*sub7
 Method: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\30570-1633-125ml.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 02-Dec-2025 10:38:47 Calib Date: 29-Nov-2025 12:50:55
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-08.d

Column 1 : Det: EXP1
 Process Host: CTX1614

First Level Reviewer: QY4X Date: 29-Nov-2025 13:34:11

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	1.961	1.984	-0.023	0.477	1202206	1.90		95.1	118825	
2 Perfluoropropionic acid										
163.00 > 119.00	1.961	1.996	-0.035	1.000	14375375	24.2		96.9	92992	
5 PFBA										
212.80 > 168.90	4.102	4.103	0.0	1.000	7659155	9.89		98.9	72336	
D 3 13C4-PFBA										
216.80 > 171.90	4.102	4.103	0.0	0.998	1694798	1.97		98.7	6430	
* 4 13C3PFBA										
216.00 > 172.00	4.108	4.109	-0.001		1478830	2.00			1312	
6 PFMPA										
229.00 > 84.90	4.423	4.415	0.008	0.930	4373896	4.86		97.2	6314	
7 3:3 FTCA										
241.00 > 177.00	4.432	4.424	0.008	0.932	417678	9.83	Target=1.36	98.3	2185	
241.00 > 117.00	4.432	4.424	0.008	0.932	310551		1.34(0.68-2.03)	98.3	1674	
D 8 13C5 PFPeA										
268.30 > 223.00	4.754	4.744	0.010	0.913	1390289	2.03		102	5663	
9 PFPA										
263.00 > 219.00	4.754	4.744	0.010	1.000	4106195	4.89		97.9	3425	
10 PFMBA										
279.00 > 85.10	4.906	4.890	0.016	1.032	5898631	4.92		98.5	13135	
11 4:2FTS										
327.10 > 307.00	5.026	5.017	0.009	1.000	2693468	9.08	Target=1.51	96.8	3660	
327.10 > 80.90	5.026	5.017	0.009	1.000	1715669		1.57(0.76-2.27)	96.8	1467	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.026	5.017	0.009	0.808	845555	4.55		96.9	3958	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.171	5.153	0.019	0.993	791667	4.77	Target=1.56	95.4	3591	
295.00 > 84.90	5.171	5.153	0.019	0.993	519263		1.52(0.78-2.34)	95.4	3943	
D 15 13C5 PFHxA										
318.00 > 273.00	5.209	5.190	0.019	1.000	1887800	2.00		100	5786	
17 PFHxA										
313.00 > 269.00	5.209	5.200	0.009	1.000	4280165	4.70	Target=10.42	93.9	4903	
313.00 > 118.90	5.209	5.200	0.009	1.000	411914		10.39(5.21-15.63)	93.9	1580	
* 16 13C2 PFHxA										
315.10 > 270.00	5.209	5.200	0.009		4160651	5.00			11756	
18 5:3 FTCA										
341.00 > 237.10	5.287	5.278	0.009	1.015	3217517	26.0	Target=0.88	104	3789	
341.00 > 217.00	5.287	5.278	0.009	1.015	3531538		0.91(0.44-1.32)	104	4061	
D 20 13C3 PFBS										
302.10 > 79.90	5.339	5.329	0.010	0.858	1792435	1.87		100	5272	
19 PFBS										
298.70 > 79.90	5.339	5.329	0.010	1.000	5118830	4.34	Target=2.90	97.8	5528	
298.70 > 98.80	5.339	5.329	0.010	1.000	1740405		2.94(1.45-4.35)	97.8	3271	
21 HFPO-DA										
284.90 > 168.90	5.395	5.384	0.011	1.002	2493650	3.72	Target=2.63	99.2	4276	
284.90 > 184.90	5.384	5.384	0.0	1.000	951261		2.62(1.31-3.94)	99.2	3389	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.384	5.384	0.0	1.034	1295126	2.00		99.9	5565	
23 FBSA										
297.90 > 78.00	5.406	5.395	0.011	1.012	4859746	4.89		97.9	2616	
26 PFEESA										
314.80 > 134.90	5.577	5.566	0.011	1.071	12269974	4.46	Target=12.57	100.0	9833	
314.80 > 82.90	5.577	5.566	0.011	1.071	972510		12.62(6.29-18.86)	100.0	3164	
28 PFHpA										a
363.10 > 319.00	5.620	5.610	0.010	1.000	3847355	4.94	Target=2.27	98.7	3488	a
363.10 > 169.00	5.620	5.610	0.010	1.000	1684477		2.28(1.13-3.40)	98.7	3433	
D 27 13C4 PFHpA										
367.10 > 322.00	5.620	5.610	0.010	1.079	1638984	2.04		102	3410	
29 ADONA										
376.90 > 250.90	5.765	5.765	0.0	1.071	9794119	4.59	Target=1.85	97.0	6596	
376.90 > 84.80	5.765	5.765	0.0	1.071	5358617		1.83(0.93-2.78)	97.0	4460	
30 PFPeS										
349.10 > 79.90	5.810	5.799	0.011	0.934	4101424	4.73	Target=3.26	101	6266	
349.10 > 98.90	5.810	5.799	0.011	0.934	1230151		3.33(1.63-4.89)	101	4270	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.810	5.810	0.0	0.934	586024	4.17		87.6	1526	
31 6:2FTS										
427.10 > 407.00	5.810	5.810	0.0	1.000	2150537	9.29	Target=1.69	97.6	422	
427.10 > 80.90	5.810	5.810	0.0	1.000	1262927		1.70(0.85-2.54)	97.6	465	
33 BTS										
280.00 > 147.00	5.966	5.967	-0.001	0.959	8029073	5.10		104	20102	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
36 PFOA										
413.00 > 369.00	6.007	6.007	0.0	1.002	3852788	4.85	Target=2.18	97.0	5512	
413.00 > 169.00	6.007	6.007	0.0	1.002	1864327		2.07(1.09-3.27)	97.0	3208	
* 35 13C4 PFOA										
417.10 > 372.00	6.007	6.007	0.0		4705271	5.00			18005	
D 34 13C8 PFOA										
421.10 > 376.00	5.997	6.007	-0.010	0.998	1972477	2.03		101	3275	
37 7:3 FTCA										
441.00 > 316.90	6.067	6.067	0.0	1.165	1656105	25.4	Target=0.46	101	4041	
441.00 > 336.90	6.067	6.067	0.0	1.165	3482583		0.48(0.23-0.69)	101	8067	
D 39 13C3 PFHxS										
402.10 > 79.90	6.223	6.223	0.0	1.000	1311200	1.86		98.3	936	
* 38 18O2 PFHxS										
403.00 > 83.90	6.223	6.223	0.0		1311748	1.90			4469	
40 PFHxS										
398.70 > 79.90	6.223	6.223	0.0	1.000	3591913	4.57	Target=3.38	100	1877	
398.70 > 98.90	6.223	6.223	0.0	1.000	1063982		3.38(1.69-5.07)	100	2047	
43 PFNA										M
463.00 > 419.00	6.388	6.389	-0.001	1.002	3826680	4.54	Target=2.51	90.7	3415	
463.00 > 219.00	6.388	6.389	-0.001	1.002	1520842		2.52(1.25-3.76)	90.7	299	M
* 41 13C5 PFNA										
468.00 > 423.00	6.388	6.389	-0.001		1795960	2.00			7702	
D 42 13C9 PFNA										
472.10 > 427.00	6.378	6.389	-0.011	0.998	1830420	2.12		106	3576	
44 8:2FTS										
527.10 > 507.00	6.558	6.558	0.0	1.002	2054542	9.47	Target=1.31	98.6	1564	
527.10 > 80.80	6.558	6.558	0.0	1.002	1536533		1.34(0.66-1.97)	98.6	3494	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.547	6.558	-0.011	1.052	788847	4.50		93.7	1425	
46 PFECHS										
461.00 > 381.00	6.589	6.600	-0.011	1.059	1119417	4.57	Target=0.28	98.9	6345	
461.00 > 99.00	6.589	6.600	-0.011	1.059	3911882		0.29(0.14-0.42)	98.9	3104	
47 PFHpS										
449.00 > 79.90	6.620	6.631	-0.011	0.945	3932583	4.59	Target=3.66	96.1	5531	
449.00 > 98.80	6.620	6.631	-0.011	0.945	1090008		3.61(1.83-5.50)	96.1	2638	
53 FHxSA										
397.90 > 78.00	6.640	6.641	-0.001	1.067	5008428	4.87		97.3	3932	
49 NMeFOSAA										
570.10 > 419.00	6.704	6.715	-0.011	1.000	1468851	4.92	Target=1.85	98.5	1908	
570.10 > 483.00	6.704	6.715	-0.011	1.000	789974		1.86(0.93-2.78)	98.5	1497	
D 48 d3-NMeFOSAA										
573.20 > 419.00	6.704	6.715	-0.011	0.955	1509902	4.89		97.8	846	
* 50 13C2 PFDA										
515.10 > 470.10	6.763	6.772	-0.009		1551253	2.00			4266	
D 51 13C6 PFDA										
519.10 > 474.10	6.763	6.772	-0.009	1.000	1594996	2.03		101	3116	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
52 PFDA										
512.90 > 469.00	6.763	6.772	-0.009	1.000	3871694	4.86	Target=4.24	97.1	4503	
512.90 > 219.00	6.763	6.772	-0.009	1.000	869245		4.45(2.12-6.36)	97.1	3288	
D 54 d5-NEtFOSAA										
589.20 > 419.00	6.870	6.880	-0.010	0.979	1397767	4.51		90.3	1598	
55 NEtFOSAA										
584.20 > 419.10	6.879	6.889	-0.010	1.001	1056882	4.94	Target=1.39	98.7	2549	
584.20 > 526.00	6.870	6.889	-0.019	1.000	756549		1.40(0.69-2.08)	98.7	1998	
D 56 13C8 PFOS										
507.10 > 79.90	7.008	7.029	-0.021	0.999	1336106	1.91		99.5	1204	
58 PFOS										
498.90 > 79.90	7.018	7.029	-0.011	1.001	4696746	4.39	Target=4.36	94.4	9406	
498.90 > 98.80	7.018	7.029	-0.011	1.001	1061088		4.43(2.18-6.54)	94.4	3426	
* 57 13C4 PFOS										
502.80 > 79.90	7.018	7.029	-0.011		1521847	1.92			4175	
D 59 13C7 PFUnA										
570.00 > 525.10	7.151	7.162	-0.011	1.057	1879888	2.10		105	6138	
60 PFUnA										
563.10 > 519.00	7.151	7.172	-0.021	1.000	3939680	4.77	Target=6.42	95.4	6712	
563.10 > 269.10	7.151	7.172	-0.021	1.000	644549		6.11(3.21-9.63)	95.4	3949	
61 9ClFOS										
530.80 > 351.00	7.313	7.333	-0.020	1.043	8674827	4.52	Target=3.19	96.7	6219	
532.80 > 353.00	7.313	7.333	-0.020	1.043	2768677		3.13(1.60-4.79)	96.7	5617	
62 PFNS										
548.80 > 79.90	7.406	7.433	-0.027	1.057	3819317	4.78	Target=3.60	99.4	7511	
548.80 > 98.80	7.406	7.433	-0.027	1.057	1052990		3.63(1.80-5.40)	99.4	4235	
63 PFDoA										
613.10 > 569.00	7.546	7.570	-0.024		3883585	4.96	Target=6.08	99.2	5035	
613.10 > 319.00	7.546	7.570	-0.024		655439		5.93(3.04-9.12)	99.2	3444	
D 81 13C2 PFDoA										
615.10 > 570.00	7.546	7.570	-0.024	1.116	1519289	2.02		101	1756	
D 65 13C8 FOSA										
506.10 > 77.80	7.721	7.745	-0.024	1.100	1839695	2.02		101	3182	
64 PFOSA										
498.10 > 77.90	7.729	7.752	-0.023	1.001	3998533	4.85	Target=49.65	97.1	6455	
498.10 > 478.00	7.714	7.752	-0.038	0.999	80934		49.40(24.83-74.47)	97.1	171	
66 PFDS										
599.00 > 79.90	7.805	7.831	-0.026	1.114	4157829	4.86	Target=3.75	101	3844	
599.00 > 98.80	7.805	7.831	-0.026	1.114	1125859		3.69(1.88-5.63)	101	3212	
67 PFTTrDA										
663.00 > 619.00	7.950	7.976	-0.026	0.951	3997656	5.02	Target=5.60	100	5140	
663.00 > 168.90	7.950	7.976	-0.026	0.951	689012		5.80(2.80-8.40)	100	2530	
68 11ClFOS										
630.90 > 450.90	8.126	8.136	-0.010	1.160	6189289	4.61	Target=3.10	97.8	13654	
632.90 > 452.90	8.126	8.136	-0.010	1.160	2023938		3.06(1.55-4.64)	97.8	6560	
70 PFTeDA										
713.10 > 168.90	8.357	8.358	-0.001	1.000	539542	4.99	Target=1.16	99.7	5346	
713.10 > 219.00	8.357	8.358	-0.001	1.000	448271		1.20(0.58-1.74)	99.7	1716	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 69 13C2 PFTeDA										
715.20 > 670.00	8.357	8.358	-0.001	1.236	742765	1.93		96.6	1446	
71 PFDoS										
699.10 > 79.90	8.574	8.574	0.0	1.223	3247705	4.72	Target=4.00	97.3	4464	
699.10 > 98.80	8.574	8.574	0.0	1.223	809655		4.01(2.00-6.00)	97.3	2973	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.740	8.728	0.012	1.245	621468	4.92		98.5	433	
73 N-MeFOSE-M										
616.10 > 58.90	8.754	8.741	0.013	1.002	7023414	24.3		97.1	21380	
D 74 d3-NMePFOSA										
515.00 > 219.00	8.861	8.849	0.012	1.262	443103	2.01		100	1071	
75 NMeFOSA										
511.90 > 219.00	8.861	8.849	0.012	1.000	1107646	4.85	Target=0.70	97.1	2396	
511.90 > 169.00	8.861	8.849	0.012	1.000	1580935		0.70(0.35-1.05)	97.1	2017	
D 76 d9-N-EtFOSE										
639.20 > 58.90	8.987	8.976	0.011	1.281	667928	4.58		91.6	337	
77 N-EtFOSE-M										
630.00 > 58.90	8.999	9.000	-0.001	1.001	9636529	25.4		102	40447	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.079	9.069	0.010	1.294	514968	1.94		96.9	2165	
79 N-EtFOSA-M										
526.00 > 219.00	9.090	9.080	0.010	1.001	1177995	4.94	Target=0.81	98.9	2712	
526.00 > 169.00	9.090	9.080	0.010	1.001	1435691		0.82(0.41-1.22)	98.9	2020	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.338	9.330	0.008	1.117	4342611	5.12	Target=18.06	102	13226	
913.00 > 169.00	9.338	9.330	0.008	1.117	247281		17.56(9.03-27.08)	102	3449	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

1633_125_CAL6_00035

Amount Added: 1.00

Units: mL

Data File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-06.d

Injection Date: 29-Nov-2025 12:23:43

Instrument ID: 30570

Lims ID: IC CAL 6

Client ID:

Operator ID: ETUS023_USR_INS00003

ALS Bottle#: 7

Worklist Smp#: 6

Injection Vol: 7.0 ul

Dil. Factor: 1.0000

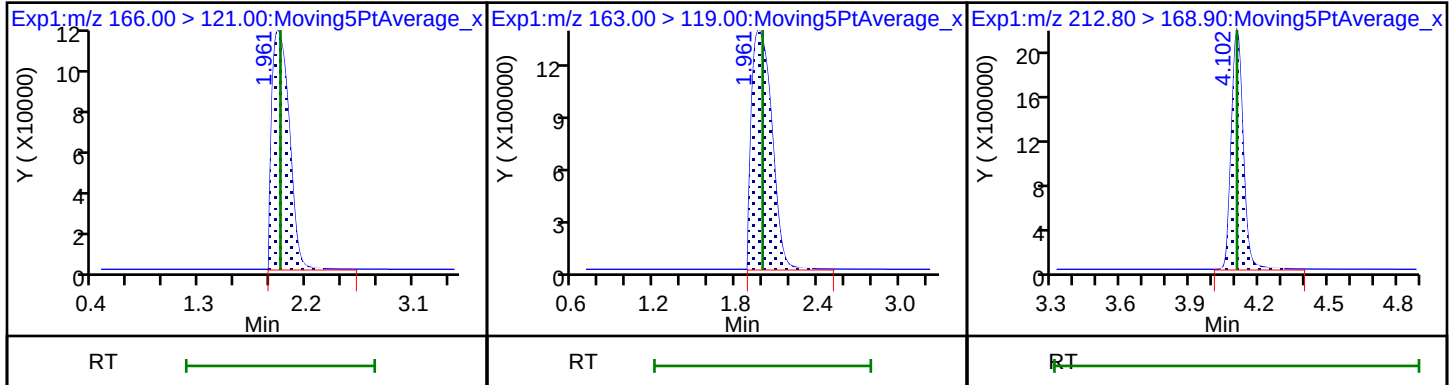
Method: 30570-1633-125ml

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid

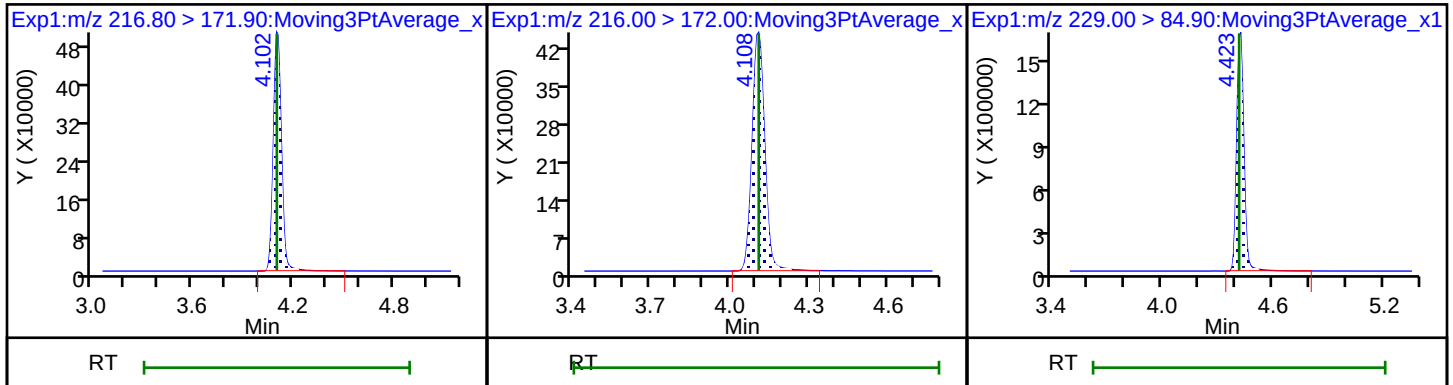
5 PFBA



D 3 13C4-PFBA

* 4 13C3PFBA

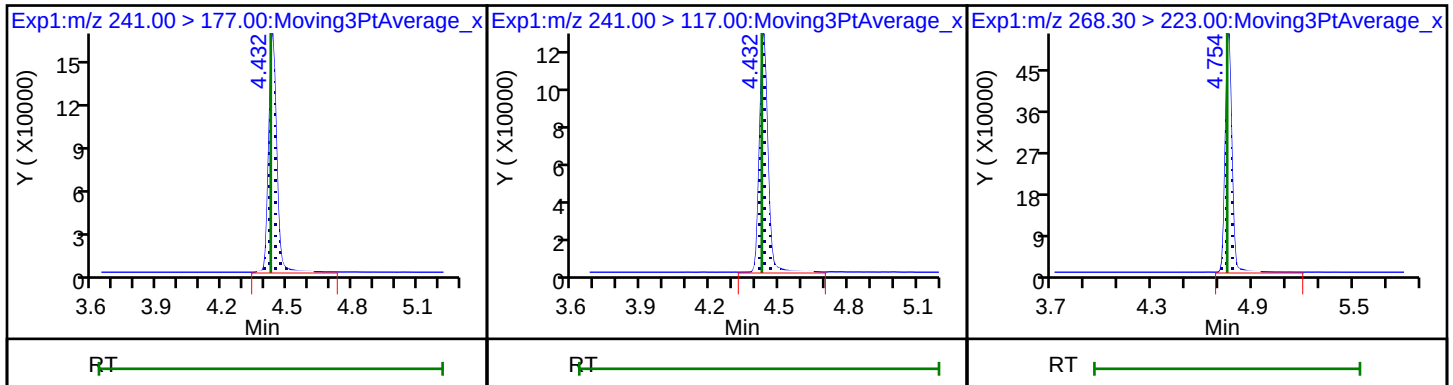
6 PFMPA



7 3:3 FTCA

7 3:3 FTCA

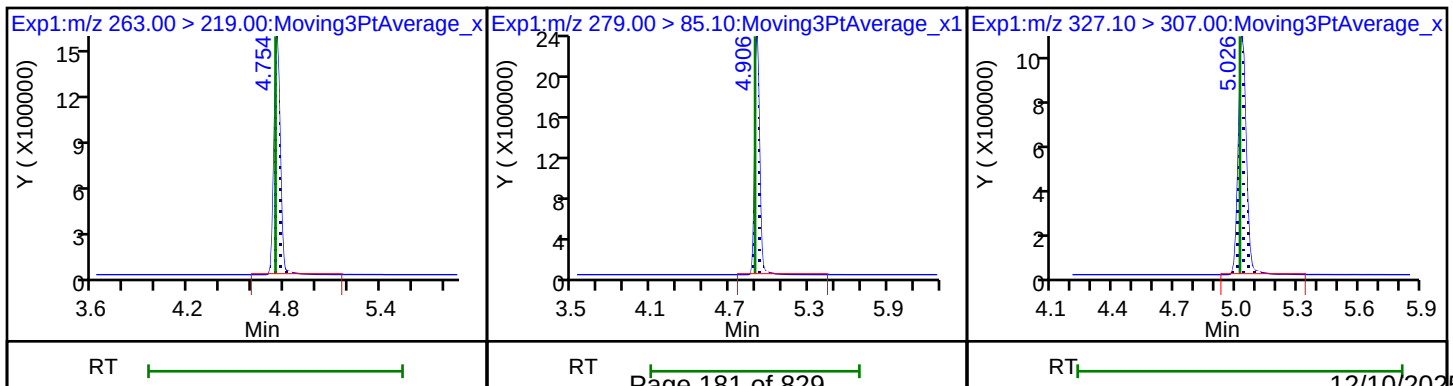
D 8 13C5 PFPeA

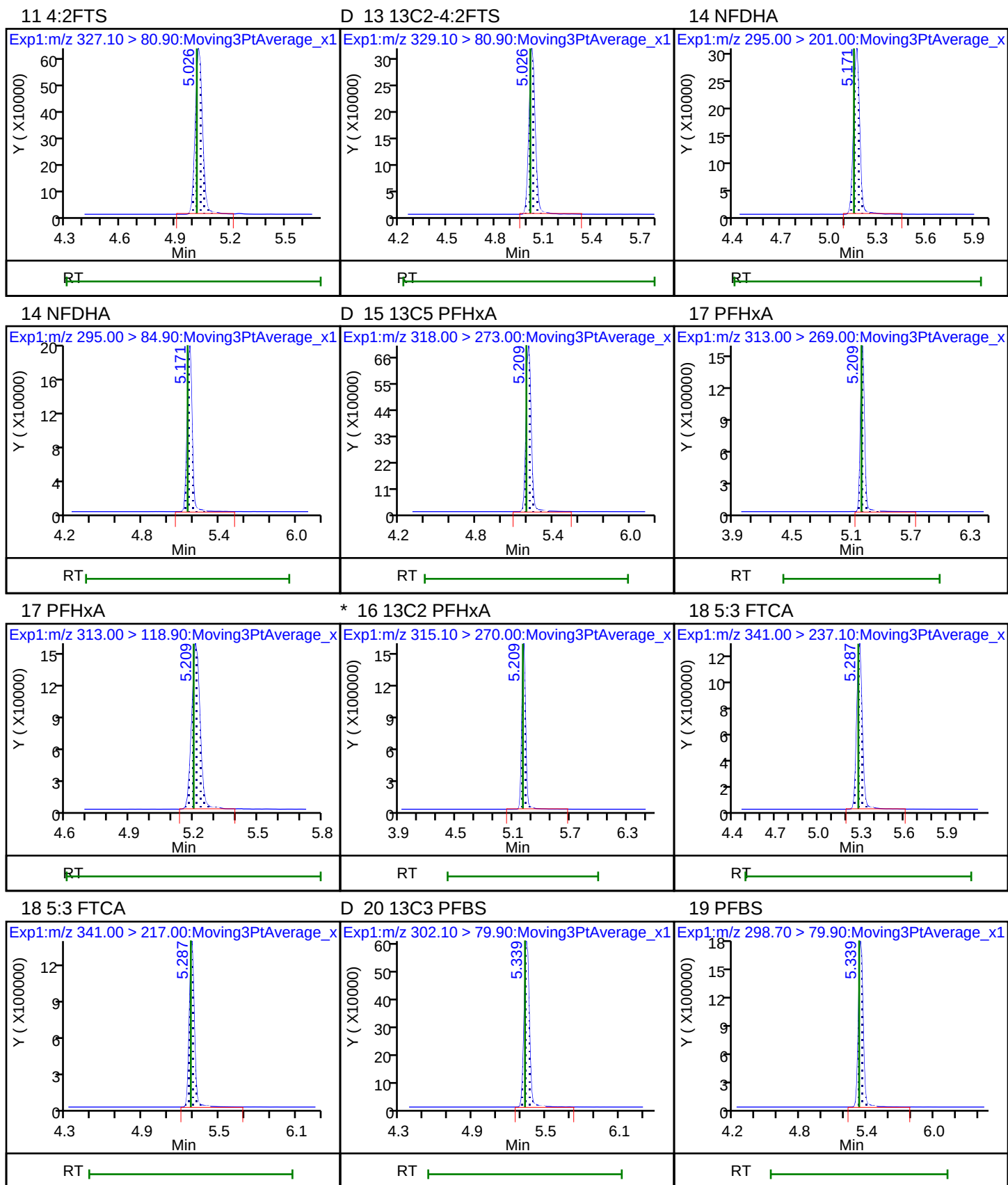


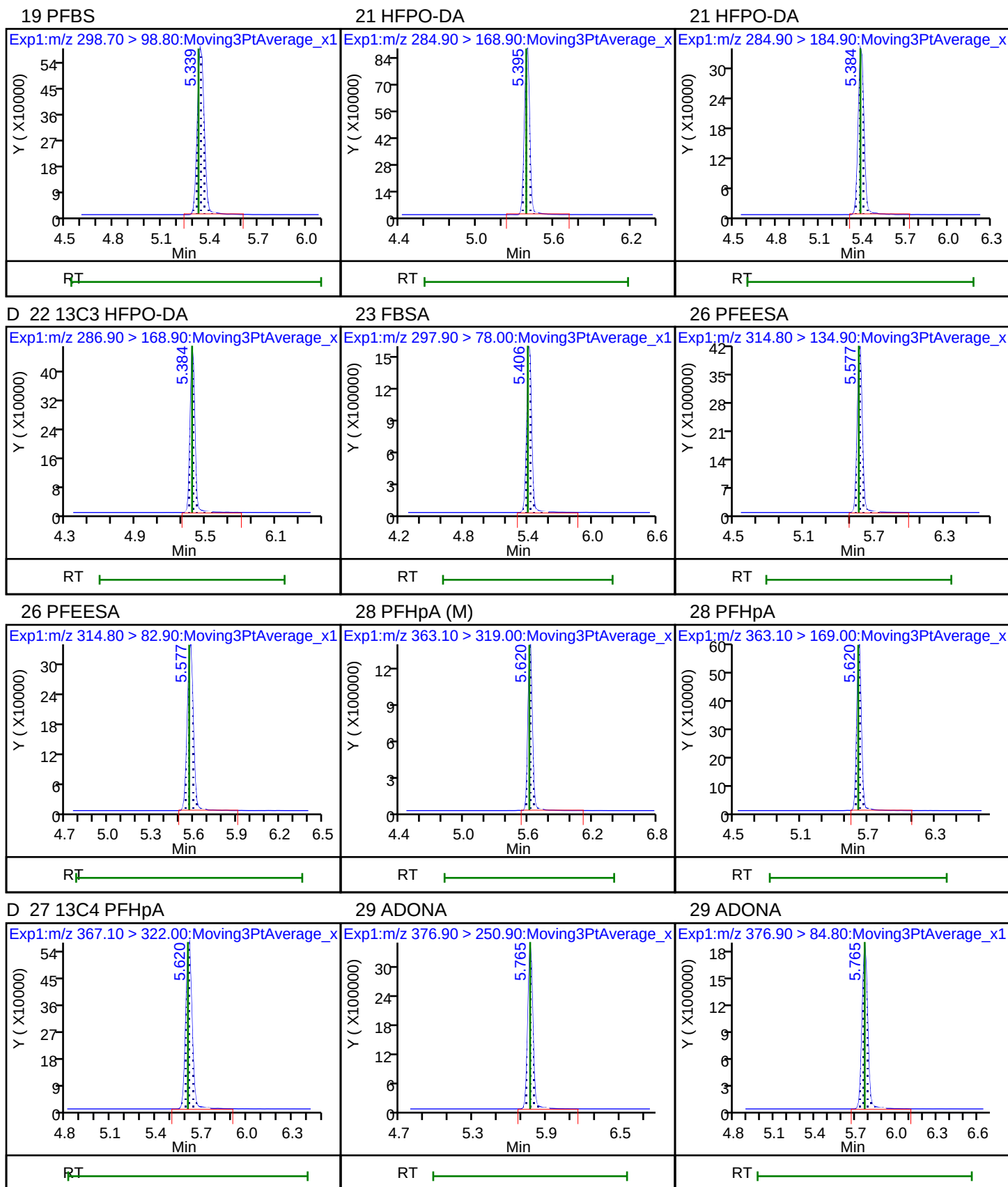
9 PFPA

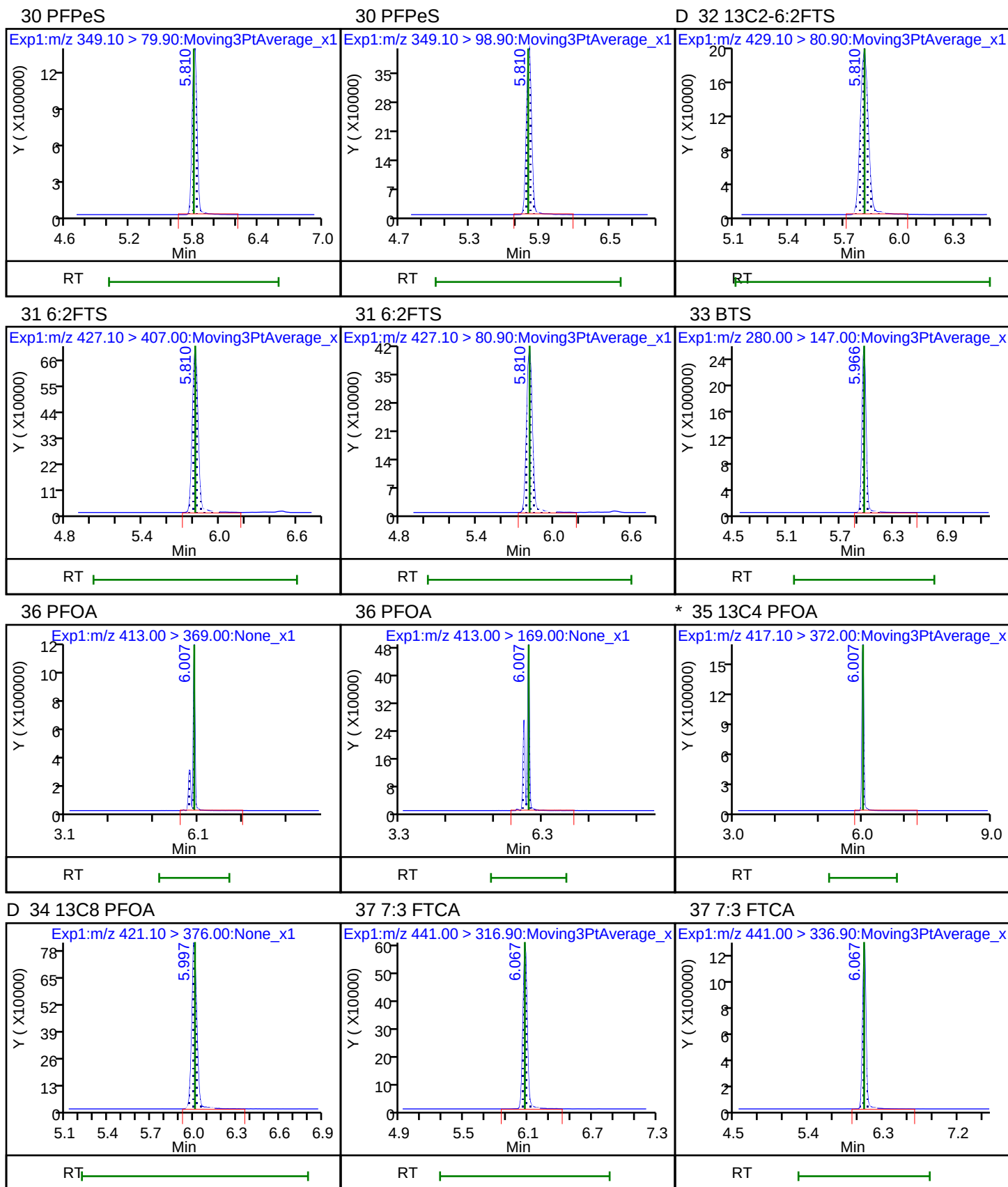
10 PFMB A

11 4:2F TS





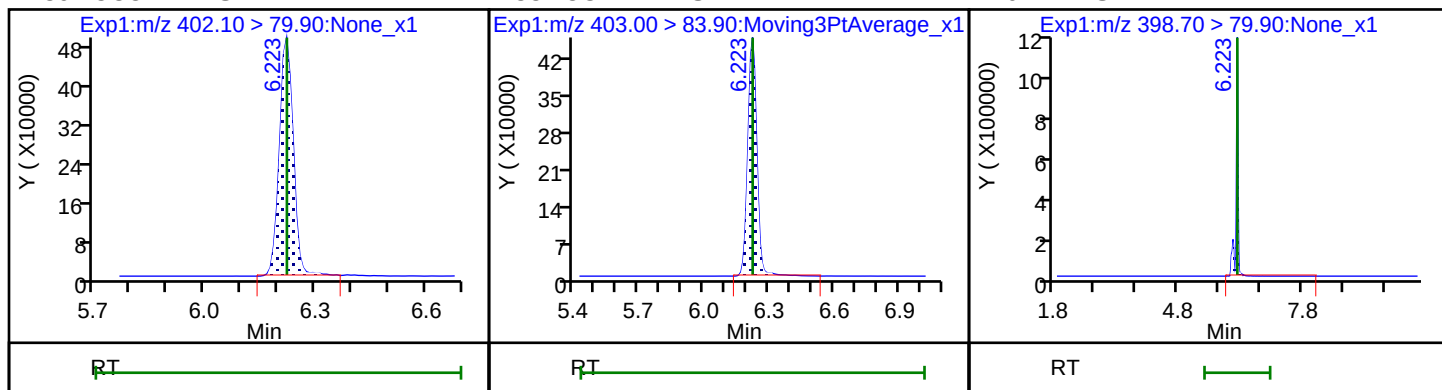




D 39 13C3 PFHxS

* 38 18O2 PFHxS

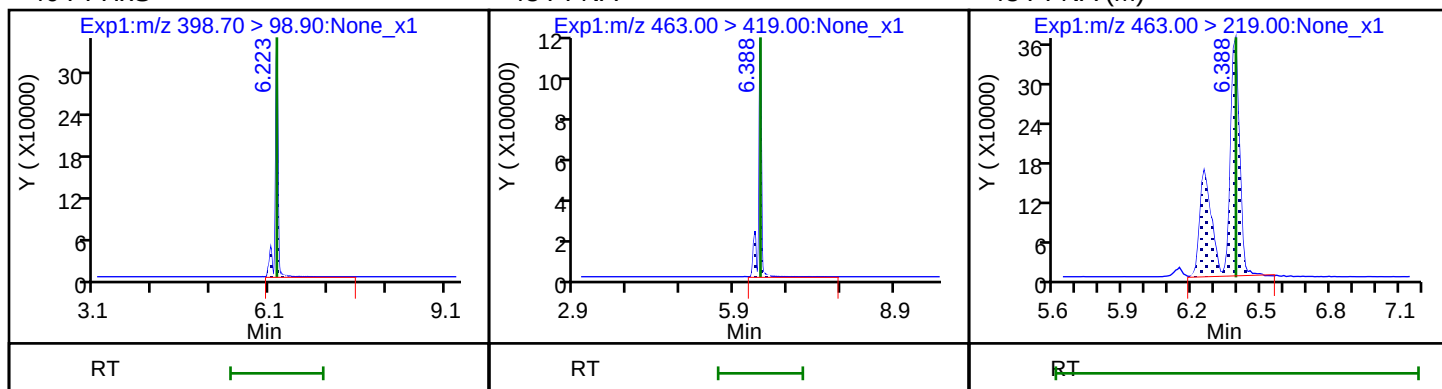
40 PFHxS



40 PFHxS

43 PFNA

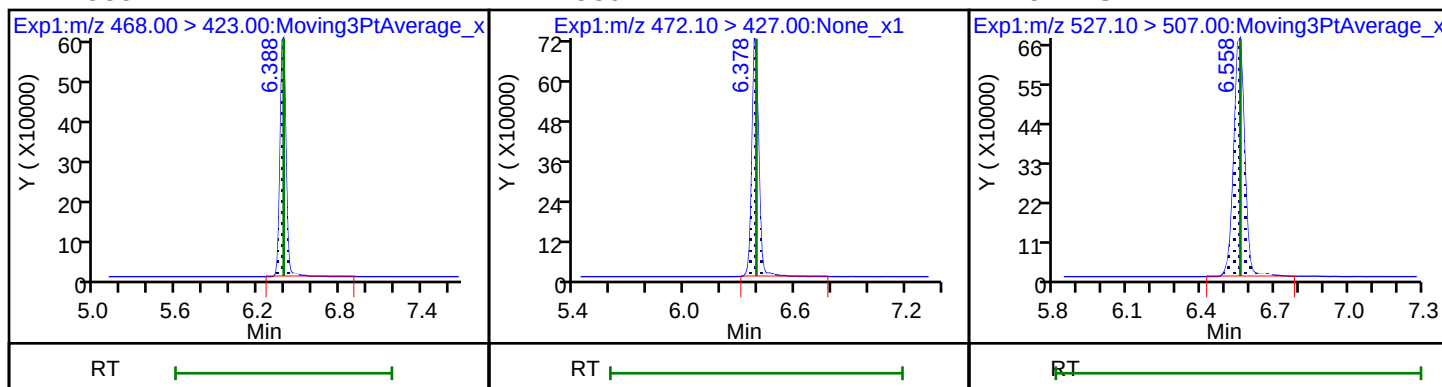
43 PFNA (M)



* 41 13C5 PFNA

D 42 13C9 PFNA

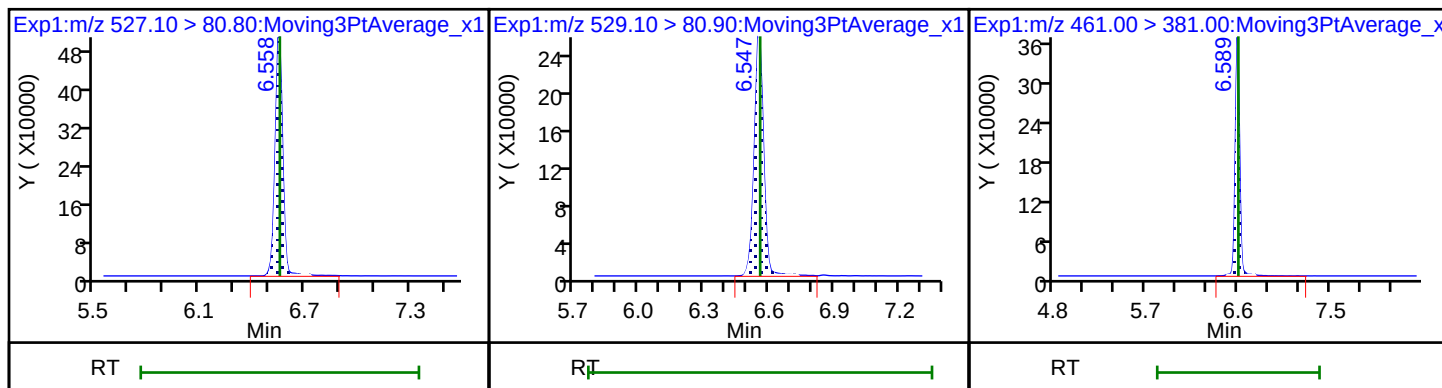
44 8:2FTS

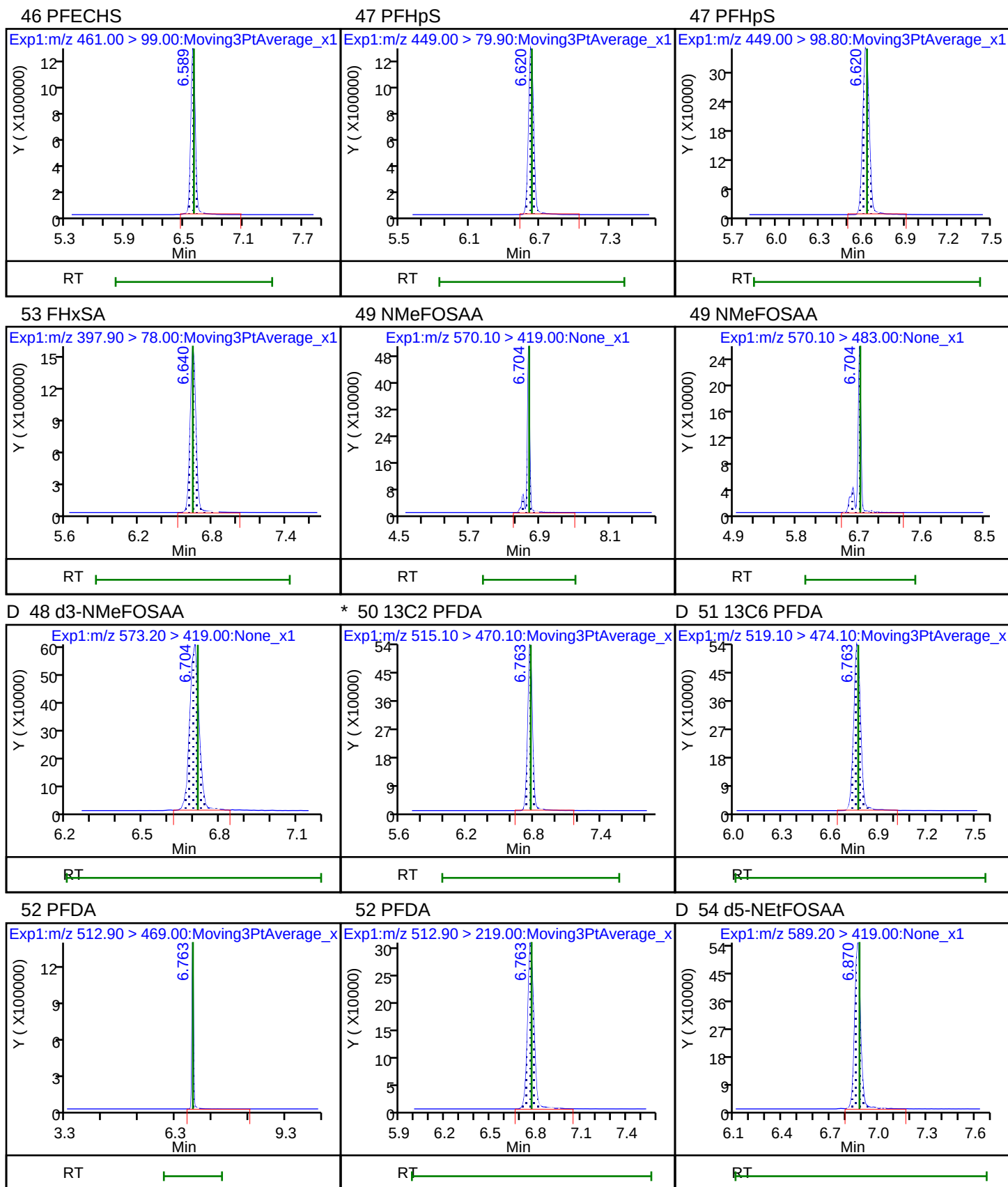


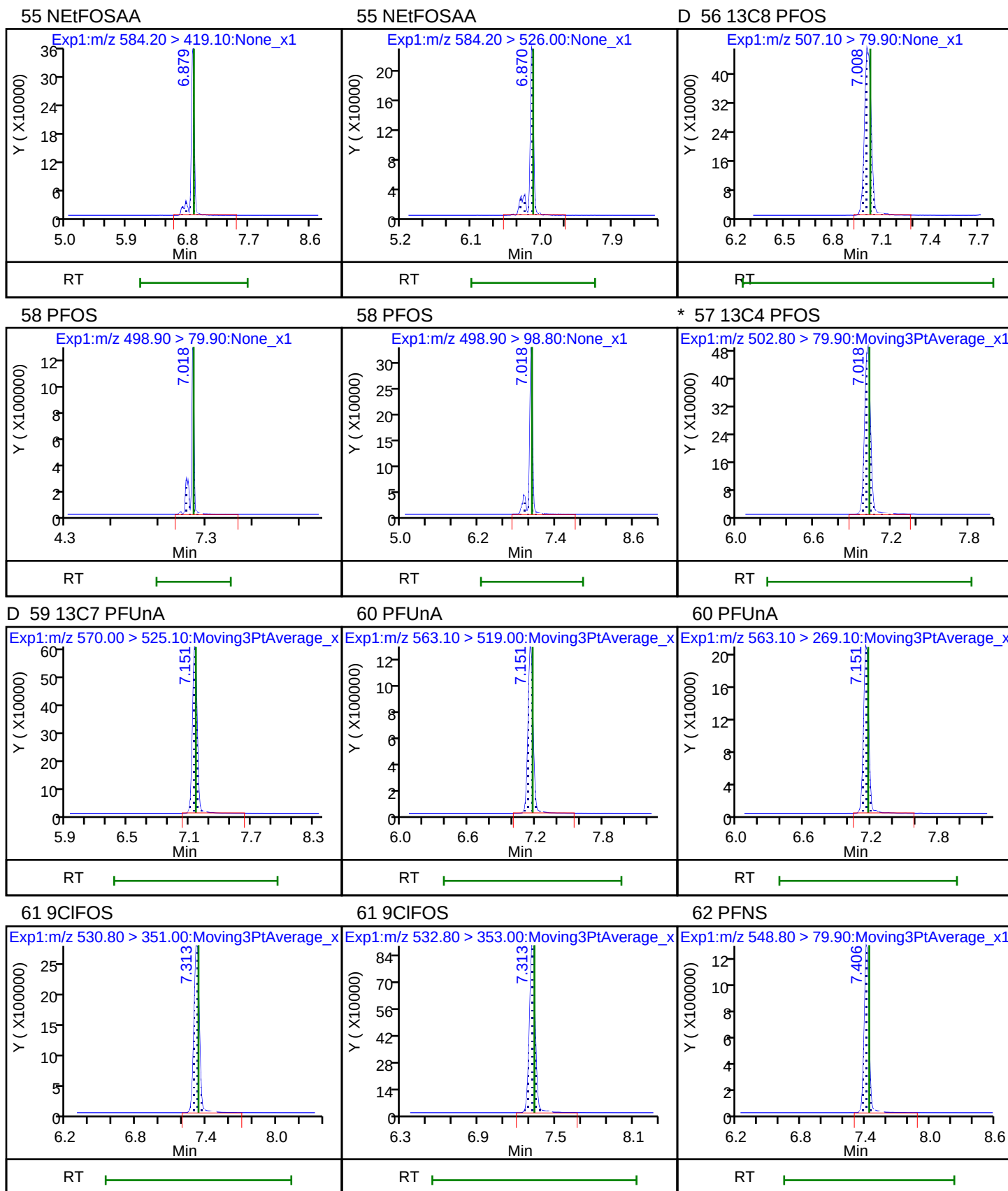
44 8:2FTS

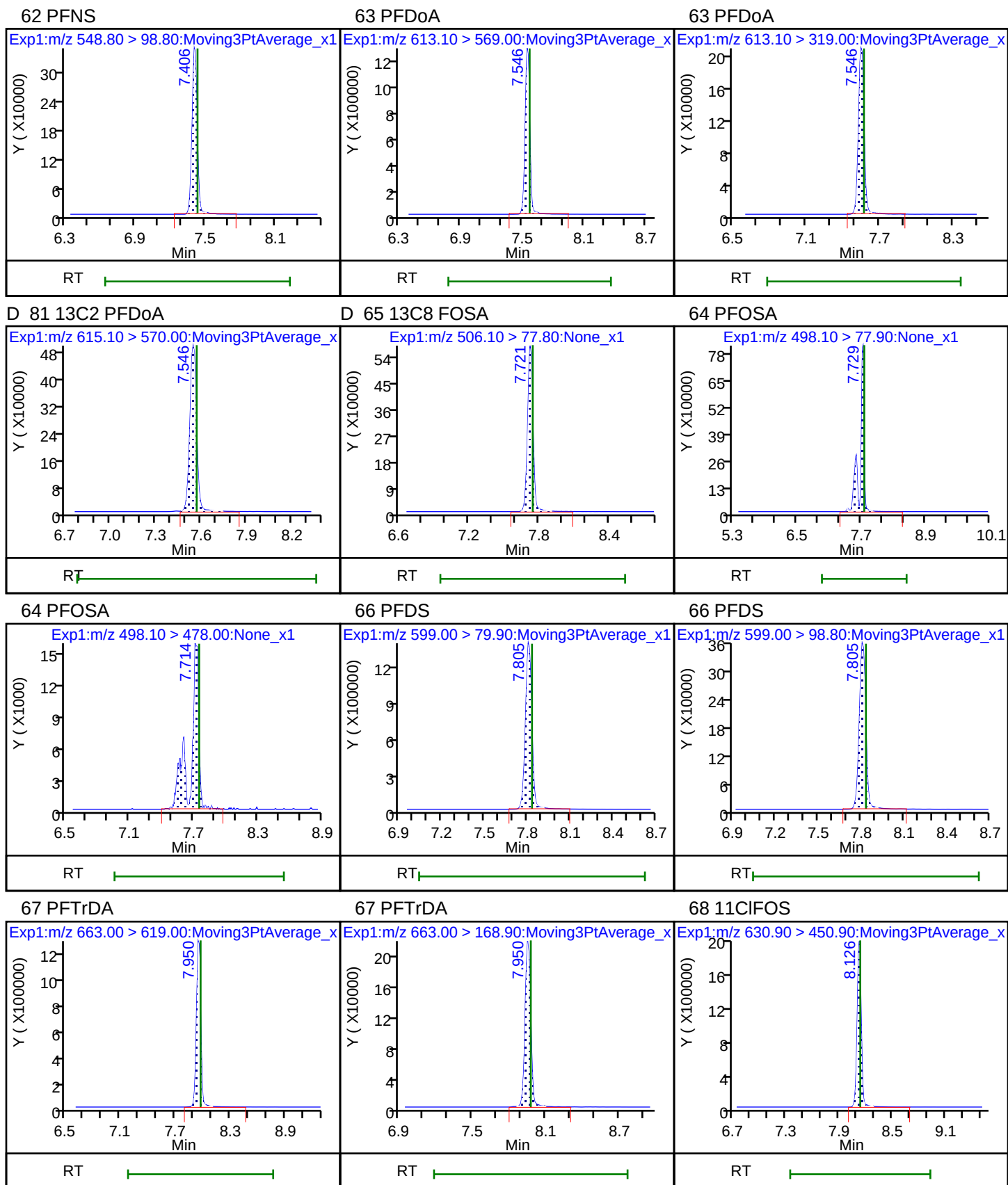
D 45 13C2-8:2FTS

46 PFECHS

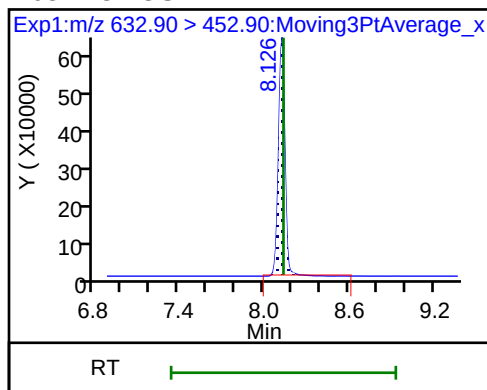




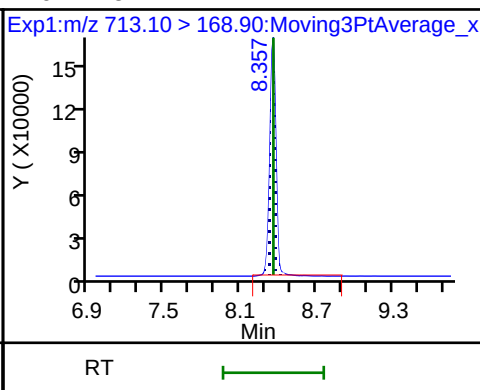




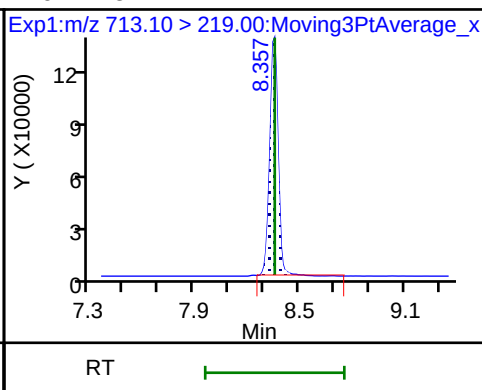
68 11CIFOS



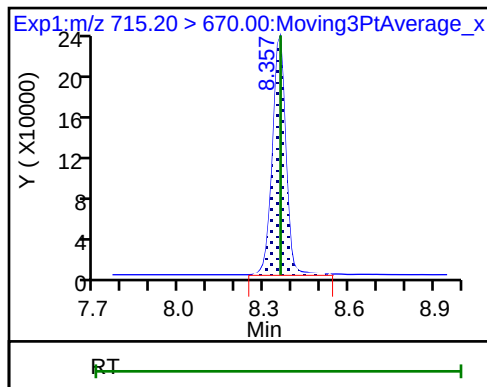
70 PFTeDA



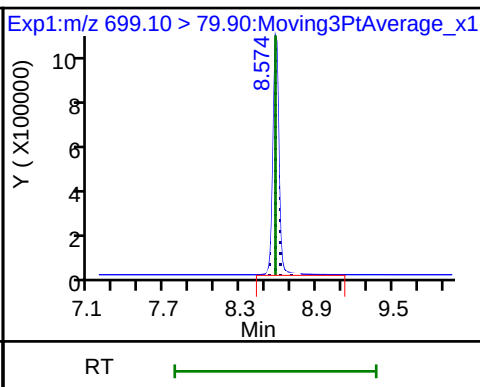
70 PFTeDA



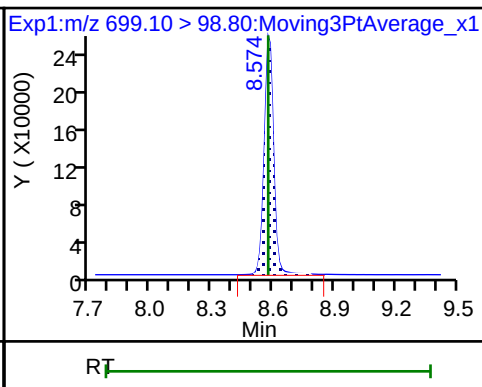
D 69 13C2 PFTeDA



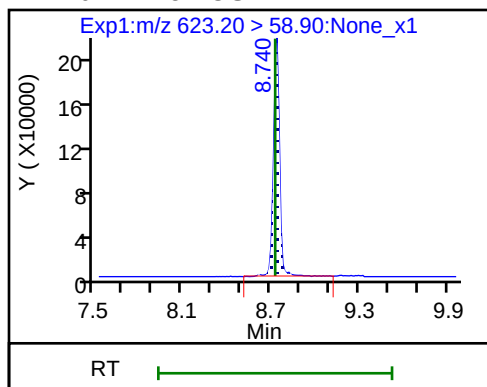
71 PFDoS



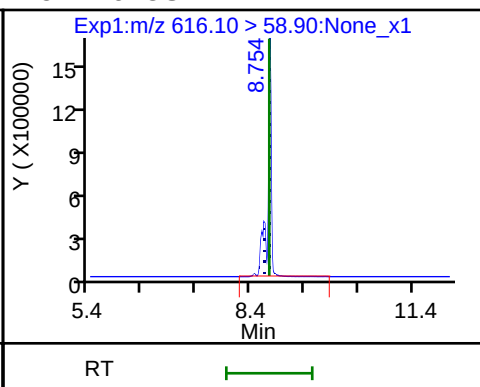
71 PFDoS



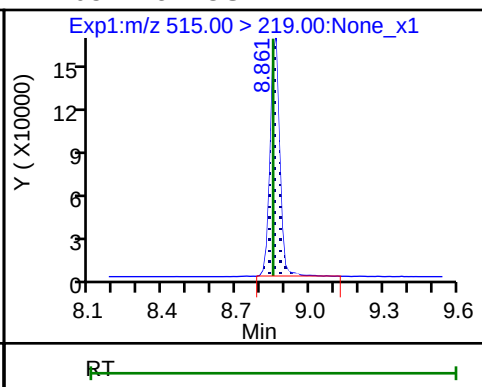
D 72 d7-N-Me-FOSE



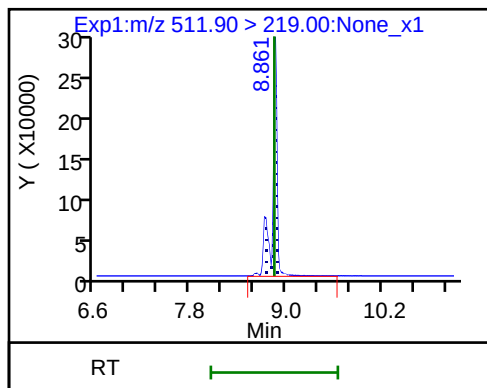
73 N-MeFOSE-M



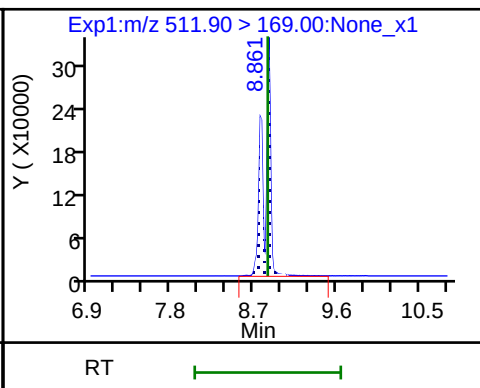
D 74 d3-NMePFOSA



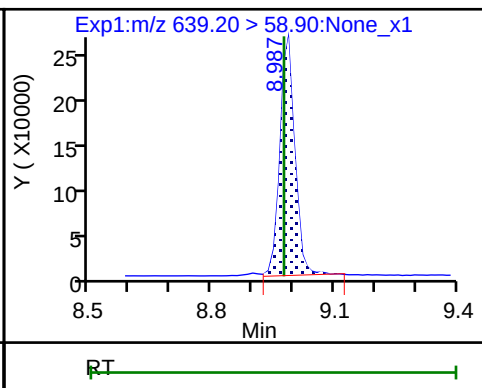
75 NMeFOSA

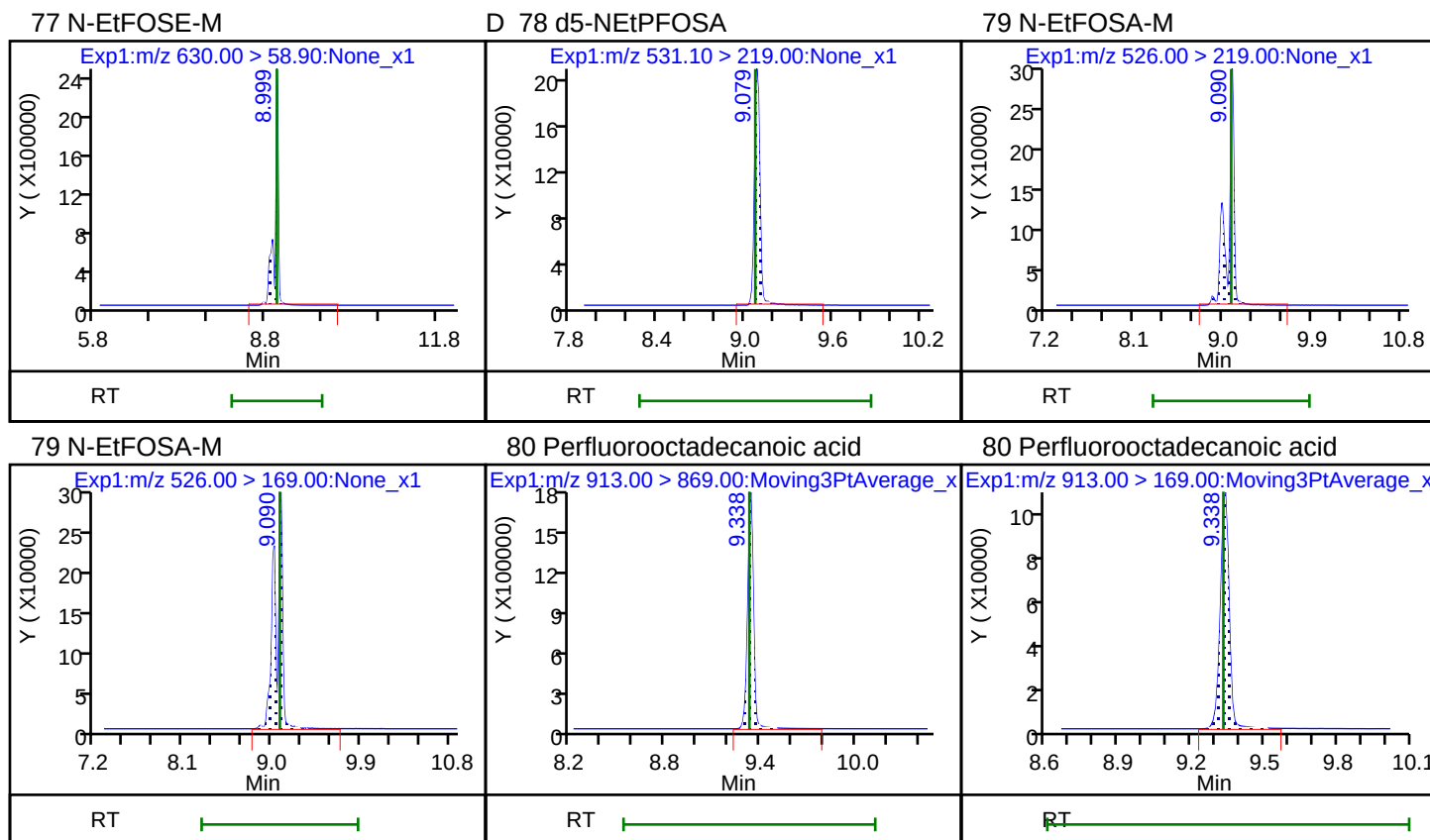


75 NMeFOSA



D 76 d9-N-EtFOSE





Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-07.d
 Lims ID: IC CAL 7
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 29-Nov-2025 12:37:19 ALS Bottle#: 8 Worklist Smp#: 7
 Injection Vol: 7.0 ul Dil. Factor: 1.0000
 Sample Info: IC CAL 7
 Misc. Info.: Plate: 1 Rack: 1 410-0168303-007
 Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570
 Sublist: chrom-30570-1633-125ml*sub7
 Method: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\30570-1633-125ml.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 02-Dec-2025 10:39:01 Calib Date: 29-Nov-2025 12:50:55
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-08.d

Column 1 : Det: EXP1
 Process Host: CTX1614

First Level Reviewer: QY4X Date: 29-Nov-2025 13:35:02

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	1.961	1.984	-0.023	0.479	1148444	2.10		105	55501	
2 Perfluoropropionic acid										
163.00 > 119.00	1.961	1.996	-0.035	1.000	28407716	50.1		100	168482	
5 PFBA										
212.80 > 168.90	4.099	4.103	-0.003	1.000	14811336	20.2		101	120332	
D 3 13C4-PFBA										
216.80 > 171.90	4.099	4.103	-0.003	1.000	1601956	2.16		108	2670	
* 4 13C3PFBA										
216.00 > 172.00	4.099	4.109	-0.010		1279311	2.00			1164	
6 PFMPA										
229.00 > 84.90	4.410	4.415	-0.005	0.931	8918395	10.2		102	13727	
7 3:3 FTCA										
241.00 > 177.00	4.419	4.424	-0.005	0.933	857951	20.9	Target=1.36	104	2973	
241.00 > 117.00	4.419	4.424	-0.005	0.933	636031		1.35(0.68-2.03)	104	3534	
D 8 13C5 PFPeA										
268.30 > 223.00	4.739	4.744	-0.005	0.912	1345073	2.18		109	5553	
9 PFPA										M
263.00 > 219.00	4.739	4.744	-0.005	1.000	7960436	9.81		98.1	2952	M
10 PFMBA										
279.00 > 85.10	4.891	4.890	0.001	1.032	11676689	10.1		101	28604	
11 4:2FTS										
327.10 > 307.00	5.011	5.017	-0.007	1.000	4993462	19.0	Target=1.51	101	4592	
327.10 > 80.90	5.011	5.017	-0.007	1.000	3291212		1.52(0.76-2.27)	101	3888	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.011	5.017	-0.007	0.805	750068	4.75		101	3327	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.156	5.153	0.004	0.993	1717418	10.5	Target=1.56	105	5881	
295.00 > 84.90	5.156	5.153	0.004	0.993	1000160		1.72(0.78-2.34)	105	3814	
D 15 13C5 PFHxA										
318.00 > 273.00	5.194	5.190	0.004	1.000	1854998	2.18		109	3006	
17 PFHxA										
313.00 > 269.00	5.194	5.200	-0.006	1.000	8776050	9.80	Target=10.42	98.0	9279	
313.00 > 118.90	5.194	5.200	-0.006	1.000	829177		10.58(5.21-15.63)	98.0	3144	
* 16 13C2 PFHxA										
315.10 > 270.00	5.194	5.200	-0.006		3752200	5.00			13295	
18 5:3 FTCA										
341.00 > 237.10	5.272	5.278	-0.006	1.015	6284815	51.7	Target=0.88	103	6162	
341.00 > 217.00	5.272	5.278	-0.006	1.015	6955447		0.90(0.44-1.32)	103	7479	
D 20 13C3 PFBS										
302.10 > 79.90	5.334	5.329	0.005	0.857	1679046	2.06		111	5570	
19 PFBS										
298.70 > 79.90	5.334	5.329	0.005	1.000	9798115	8.87	Target=2.90	99.9	8795	
298.70 > 98.80	5.334	5.329	0.005	1.000	3421798		2.86(1.45-4.35)	99.9	6102	
21 HFPO-DA										
284.90 > 168.90	5.378	5.384	-0.006	1.000	4896235	7.36	Target=2.63	98.1	4810	
284.90 > 184.90	5.378	5.384	-0.006	1.000	1949709		2.51(1.31-3.94)	98.1	6446	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.378	5.384	-0.006	1.035	1285391	2.20		110	4550	
23 FBSA										
297.90 > 78.00	5.400	5.395	0.005	1.012	9909371	10.7		107	4748	
26 PFEESA										
314.80 > 134.90	5.570	5.566	0.004	1.072	24462732	9.05	Target=12.57	101	133120	
314.80 > 82.90	5.570	5.566	0.004	1.072	1877672		13.03(6.29-18.86)	101	3947	
28 PFHpA										
363.10 > 319.00	5.613	5.610	0.003	1.000	7143235	9.72	Target=2.27	97.2	3594	
363.10 > 169.00	5.613	5.610	0.003	1.000	3377325		2.12(1.13-3.40)	97.2	3395	
D 27 13C4 PFHpA										
367.10 > 322.00	5.613	5.610	0.003	1.081	1545203	2.14		107	8247	
29 ADONA										
376.90 > 250.90	5.768	5.765	0.003	1.072	19838253	9.37	Target=1.85	99.0	21309	
376.90 > 84.80	5.768	5.765	0.003	1.072	10920334		1.82(0.93-2.78)	99.0	7008	
30 PFPeS										
349.10 > 79.90	5.801	5.799	0.002	0.932	8086779	9.68	Target=3.26	103	15815	
349.10 > 98.90	5.801	5.799	0.002	0.932	2367849		3.42(1.63-4.89)	103	4859	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.813	5.810	0.003	0.934	512010	4.29		90.1	2472	
31 6:2FTS										
427.10 > 407.00	5.813	5.810	0.003	1.000	3879328	19.2	Target=1.69	101	712	
427.10 > 80.90	5.813	5.810	0.003	1.000	2263997		1.71(0.85-2.54)	101	711	
33 BTS										
280.00 > 147.00	5.960	5.967	-0.007	0.957	15867327	10.5		107	17532	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
36 PFOA										
413.00 > 369.00	6.010	6.007	0.003	1.002	8028705	10.7	Target=2.18	107	7932	
413.00 > 169.00	6.010	6.007	0.003	1.002	3720731		2.16(1.09-3.27)	107	5140	
* 35 13C4 PFOA										
417.10 > 372.00	6.000	6.007	-0.007		4292039	5.00			24265	
D 34 13C8 PFOA										
421.10 > 376.00	6.000	6.007	-0.007	1.000	1864756	2.10		105	2142	
37 7:3 FTCA										
441.00 > 316.90	6.069	6.067	0.002	1.168	3435343	53.5	Target=0.46	107	2514	
441.00 > 336.90	6.069	6.067	0.002	1.168	7130126		0.48(0.23-0.69)	107	5895	
40 PFHxS										
398.70 > 79.90	6.225	6.223	0.002	1.000	7102728	9.40	Target=3.38	103	1264	
398.70 > 98.90	6.225	6.223	0.002	1.000	2144939		3.31(1.69-5.07)	103	2414	
D 39 13C3 PFHxS										
402.10 > 79.90	6.225	6.223	0.002	1.000	1262599	2.11		111	2203	
* 38 18O2 PFHxS										
403.00 > 83.90	6.225	6.223	0.002		1114642	1.90			6699	
D 42 13C9 PFNA										
472.10 > 427.00	6.391	6.389	0.002	1.000	1738600	2.19		110	2265	
43 PFNA										
463.00 > 419.00	6.391	6.389	0.002	1.000	7819036	9.76	Target=2.51	97.6	10187	
463.00 > 219.00	6.391	6.389	0.002	1.000	3298037		2.37(1.25-3.76)	97.6	4689	
* 41 13C5 PFNA										
468.00 > 423.00	6.391	6.389	0.002		1650000	2.00			4271	
44 8:2FTS										
527.10 > 507.00	6.561	6.558	0.003	1.000	3992780	19.8	Target=1.31	103	1940	
527.10 > 80.80	6.561	6.558	0.003	1.000	2866534		1.39(0.66-1.97)	103	6180	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.561	6.558	0.003	1.054	732675	4.92		102	3037	
46 PFECHS										
461.00 > 381.00	6.603	6.600	0.003	1.061	2271430	9.63	Target=0.28	104	3207	
461.00 > 99.00	6.603	6.600	0.003	1.061	7957779		0.29(0.14-0.42)	104	3243	
47 PFHpS										
449.00 > 79.90	6.634	6.631	0.003	0.944	7430853	9.20	Target=3.66	96.4	7921	
449.00 > 98.80	6.634	6.631	0.003	0.944	2034866		3.65(1.83-5.50)	96.4	5060	
53 FHxSA										
397.90 > 78.00	6.655	6.641	0.014	1.069	10084652	10.2		102	6033	
49 NMeFOSAA										
570.10 > 419.00	6.718	6.715	0.003	1.000	2924040	9.98	Target=1.85	99.8	899	
570.10 > 483.00	6.718	6.715	0.003	1.000	1506214		1.94(0.93-2.78)	99.8	1835	
D 48 d3-NMeFOSAA										
573.20 > 419.00	6.718	6.715	0.003	0.956	1483591	5.57		111	817	
* 50 13C2 PFDA										
515.10 > 470.10	6.775	6.772	0.003		1381471	2.00			5892	
D 51 13C6 PFDA										
519.10 > 474.10	6.775	6.772	0.003	1.000	1439103	2.05		103	2602	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
52 PFDA										
512.90 > 469.00	6.784	6.772	0.012	1.001	7401127	10.3	Target=4.24	103	5657	
512.90 > 219.00	6.775	6.772	0.003	1.000	1737319		4.26(2.12-6.36)	103	4528	
D 54 d5-NEtFOSAA										
589.20 > 419.00	6.883	6.880	0.003	0.979	1322657	4.95		99.0	1427	
55 NEtFOSAA										
584.20 > 419.10	6.883	6.889	-0.006	1.000	2087941	10.3	Target=1.39	103	4535	
584.20 > 526.00	6.892	6.889	0.003	1.001	1437811		1.45(0.69-2.08)	103	3559	
D 56 13C8 PFOS										
507.10 > 79.90	7.031	7.029	0.002	1.000	1258462	2.08		109	1384	
58 PFOS										
498.90 > 79.90	7.031	7.029	0.002	1.000	9205399	9.13	Target=4.36	98.2	18191	
498.90 > 98.80	7.031	7.029	0.002	1.000	2103620		4.38(2.18-6.54)	98.2	5877	
* 57 13C4 PFOS										
502.80 > 79.90	7.031	7.029	0.002		1313301	1.92			8583	
D 59 13C7 PFUnA										
570.00 > 525.10	7.174	7.162	0.012	1.059	1663926	2.09		104	4453	
60 PFUnA										
563.10 > 519.00	7.174	7.172	0.002	1.000	7651831	10.5	Target=6.42	105	11044	
563.10 > 269.10	7.174	7.172	0.002	1.000	1200965		6.37(3.21-9.63)	105	5184	
61 9ClFOS										
530.80 > 351.00	7.335	7.333	0.002	1.043	16960991	9.37	Target=3.19	100	12137	
532.80 > 353.00	7.335	7.333	0.002	1.043	5553821		3.05(1.60-4.79)	100	12791	
62 PFNS										
548.80 > 79.90	7.426	7.433	-0.007	1.056	7254139	9.65	Target=3.60	100	3707	
548.80 > 98.80	7.426	7.433	-0.007	1.056	2063997		3.51(1.80-5.40)	100	3591	
63 PFDoA										
613.10 > 569.00	7.565	7.570	-0.005		7722172	10.2	Target=6.08	102	4725	
613.10 > 319.00	7.565	7.570	-0.005		1277646		6.04(3.04-9.12)	102	1636	
D 81 13C2 PFDoA										
615.10 > 570.00	7.565	7.570	-0.005	1.117	1469972	2.19		109	1886	
D 65 13C8 FOSA										
506.10 > 77.80	7.747	7.745	0.001	1.102	1785410	2.27		114	2359	
64 PFOSA										M
498.10 > 77.90	7.739	7.752	-0.013	0.999	7820795	9.78	Target=49.65	97.8	6040	
498.10 > 478.00	7.739	7.752	-0.013	0.999	147332		53.08(24.83-74.47)	97.8	323	M
66 PFDS										
599.00 > 79.90	7.824	7.831	-0.007	1.113	7990006	9.91	Target=3.75	103	3178	
599.00 > 98.80	7.824	7.831	-0.007	1.113	2171085		3.68(1.88-5.63)	103	7393	
67 PFTTrDA										
663.00 > 619.00	7.969	7.976	-0.007	0.953	7637398	9.69	Target=5.60	96.9	4595	
663.00 > 168.90	7.969	7.976	-0.007	0.953	1412514		5.41(2.80-8.40)	96.9	7315	
68 11ClFOS										
630.90 > 450.90	8.137	8.136	0.001	1.157	12586556	9.96	Target=3.10	106	6974	
632.90 > 452.90	8.128	8.136	-0.008	1.156	4152201		3.03(1.55-4.64)	106	16928	
70 PFTeDA										
713.10 > 168.90	8.359	8.358	0.001	1.000	1077133	9.64	Target=1.16	96.4	6659	
713.10 > 219.00	8.359	8.358	0.001	1.000	919813		1.17(0.58-1.74)	96.4	2041	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 69 13C2 PFTeDA										
715.20 > 670.00	8.359	8.358	0.001	1.234	766750	2.24		112	5936	
71 PFDoS										
699.10 > 79.90	8.576	8.574	0.002	1.220	6569365	10.1	Target=4.00	104	5797	
699.10 > 98.80	8.576	8.574	0.002	1.220	1652019		3.98(2.00-6.00)	104	4645	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.742	8.728	0.014	1.243	629745	5.78		116	435	
73 N-MeFOSE-M										
616.10 > 58.90	8.756	8.741	0.015	1.002	14424873	49.2		98.4	49457	
D 74 d3-NMePFOSA										
515.00 > 219.00	8.862	8.849	0.013	1.260	441214	2.32		116	1486	
75 NMeFOSA										
511.90 > 219.00	8.862	8.849	0.013	1.000	2285308	10.1	Target=0.70	101	3451	
511.90 > 169.00	8.862	8.849	0.013	1.000	3246733		0.70(0.35-1.05)	101	2896	
D 76 d9-N-EtFOSE										
639.20 > 58.90	8.988	8.976	0.012	1.278	730932	5.81		116	398	
77 N-EtFOSE-M										
630.00 > 58.90	9.000	9.000	0.0	1.001	20608971	49.6		99.3	69218	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.080	9.069	0.011	1.291	532184	2.32		116	1953	
79 N-EtFOSA-M										
526.00 > 219.00	9.091	9.080	0.011	1.001	2386508	9.69	Target=0.81	96.9	3159	
526.00 > 169.00	9.091	9.080	0.011	1.001	2956208		0.81(0.41-1.22)	96.9	1837	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.330	9.330	0.0	1.116	9368255	10.7	Target=18.06	107	11645	
913.00 > 169.00	9.330	9.330	0.0	1.116	538321		17.40(9.03-27.08)	107	4769	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_CAL7_00036

Amount Added: 1.00

Units: mL

Data File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-07.d

Injection Date: 29-Nov-2025 12:37:19

Instrument ID: 30570

Lims ID: IC CAL 7

Client ID:

Operator ID: ETUS023_USR_INS00003

ALS Bottle#: 8

Worklist Smp#: 7

Injection Vol: 7.0 ul

Dil. Factor: 1.0000

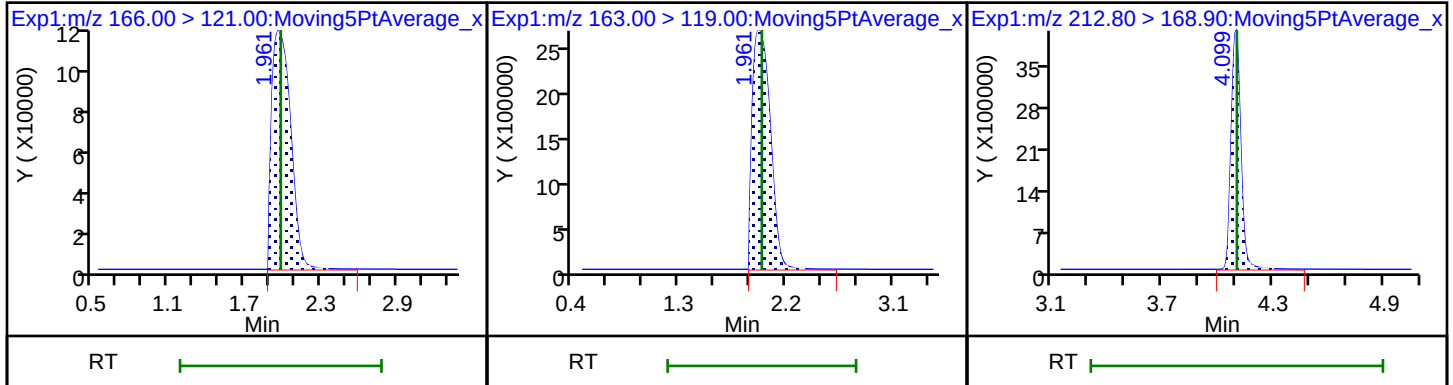
Method: 30570-1633-125ml

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid

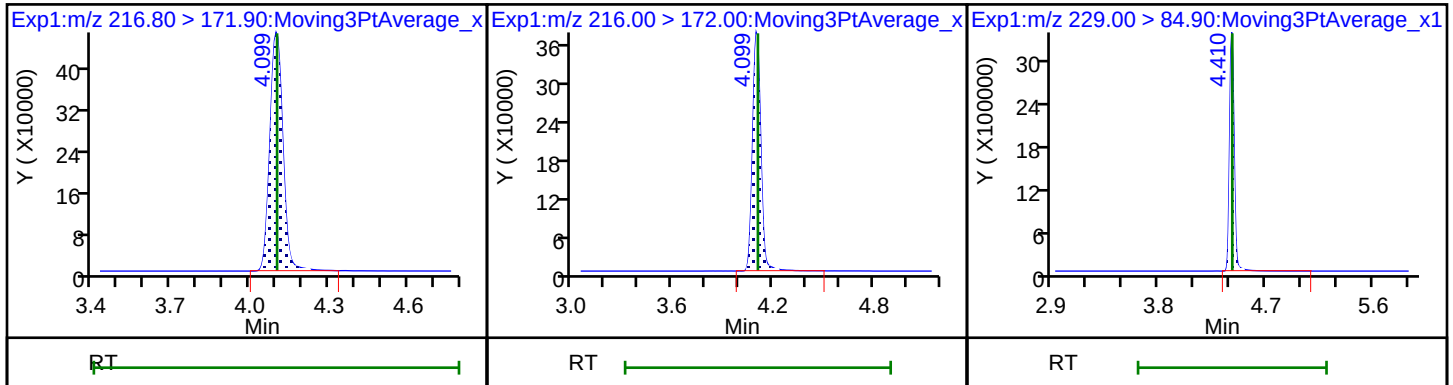
5 PFBA



D 3 13C4-PFBA

* 4 13C3PFBA

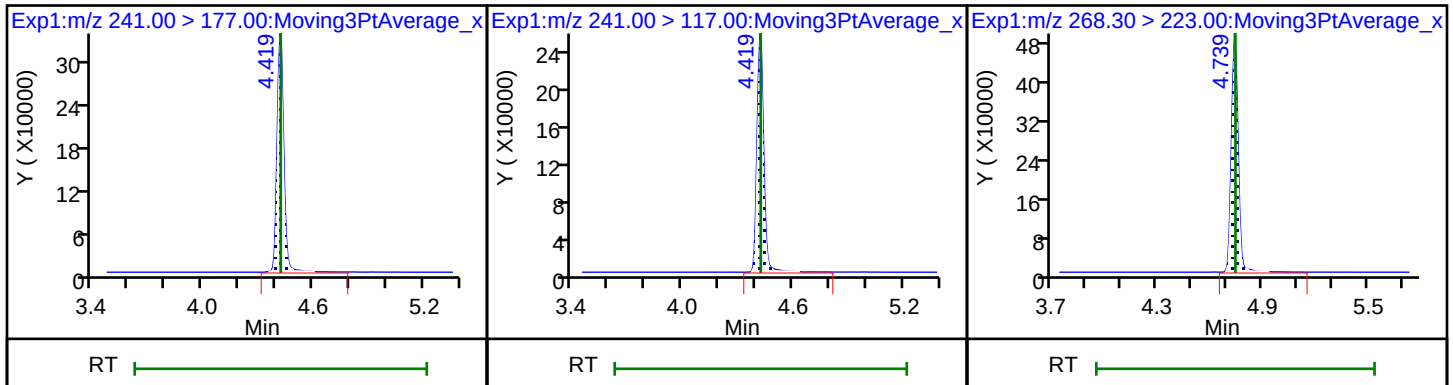
6 PFMPA



7 3:3 FTCA

7 3:3 FTCA

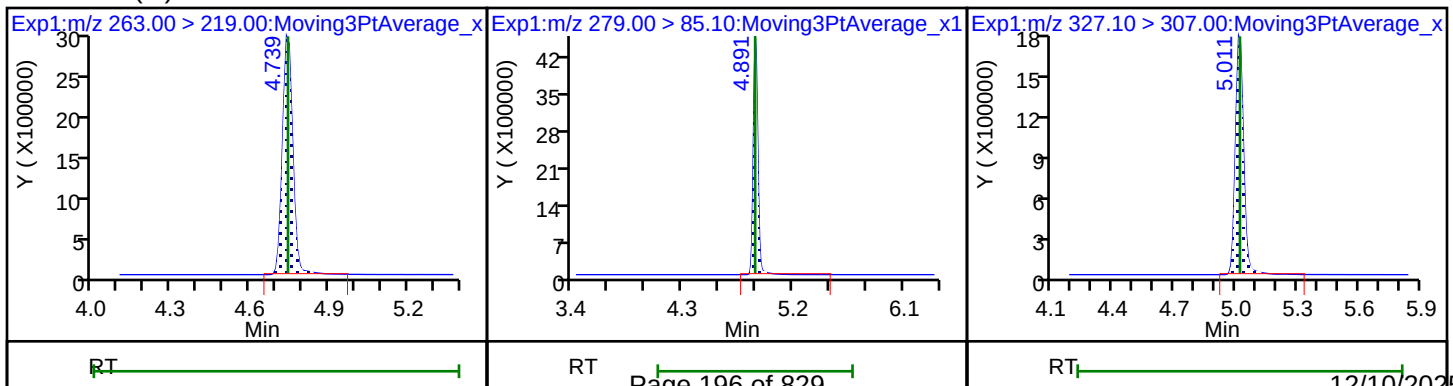
D 8 13C5 PFPeA

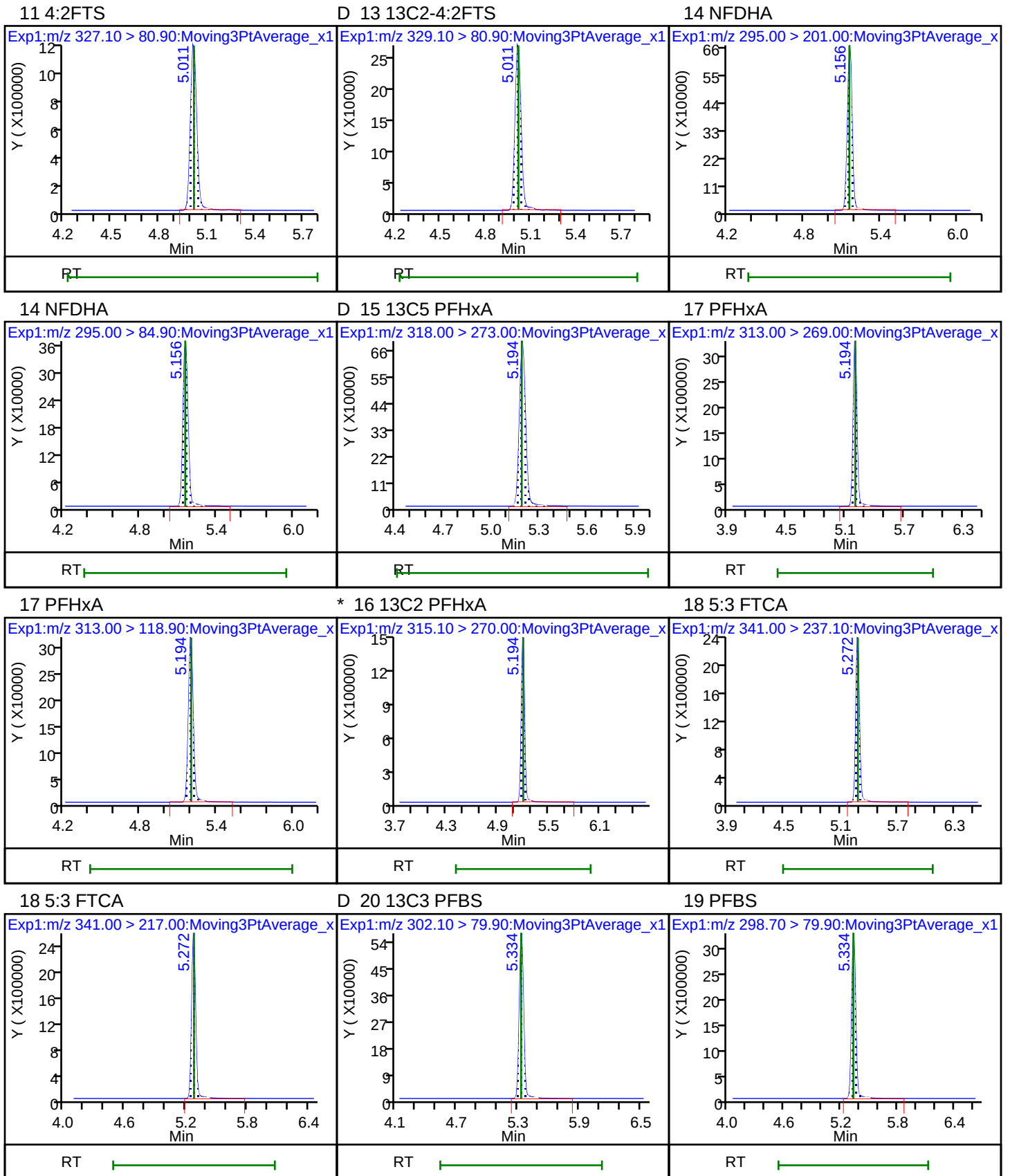


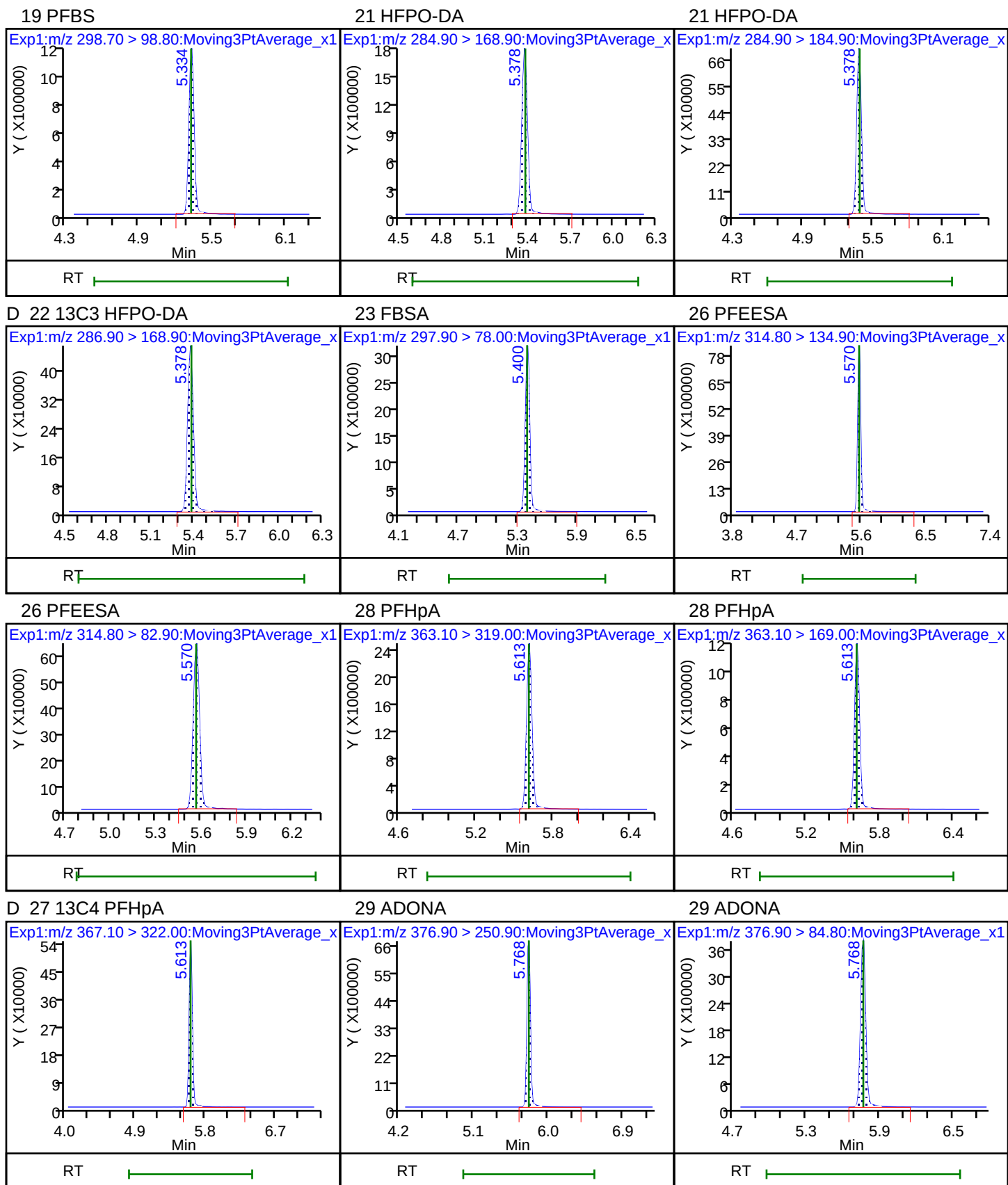
9 PFPA (M)

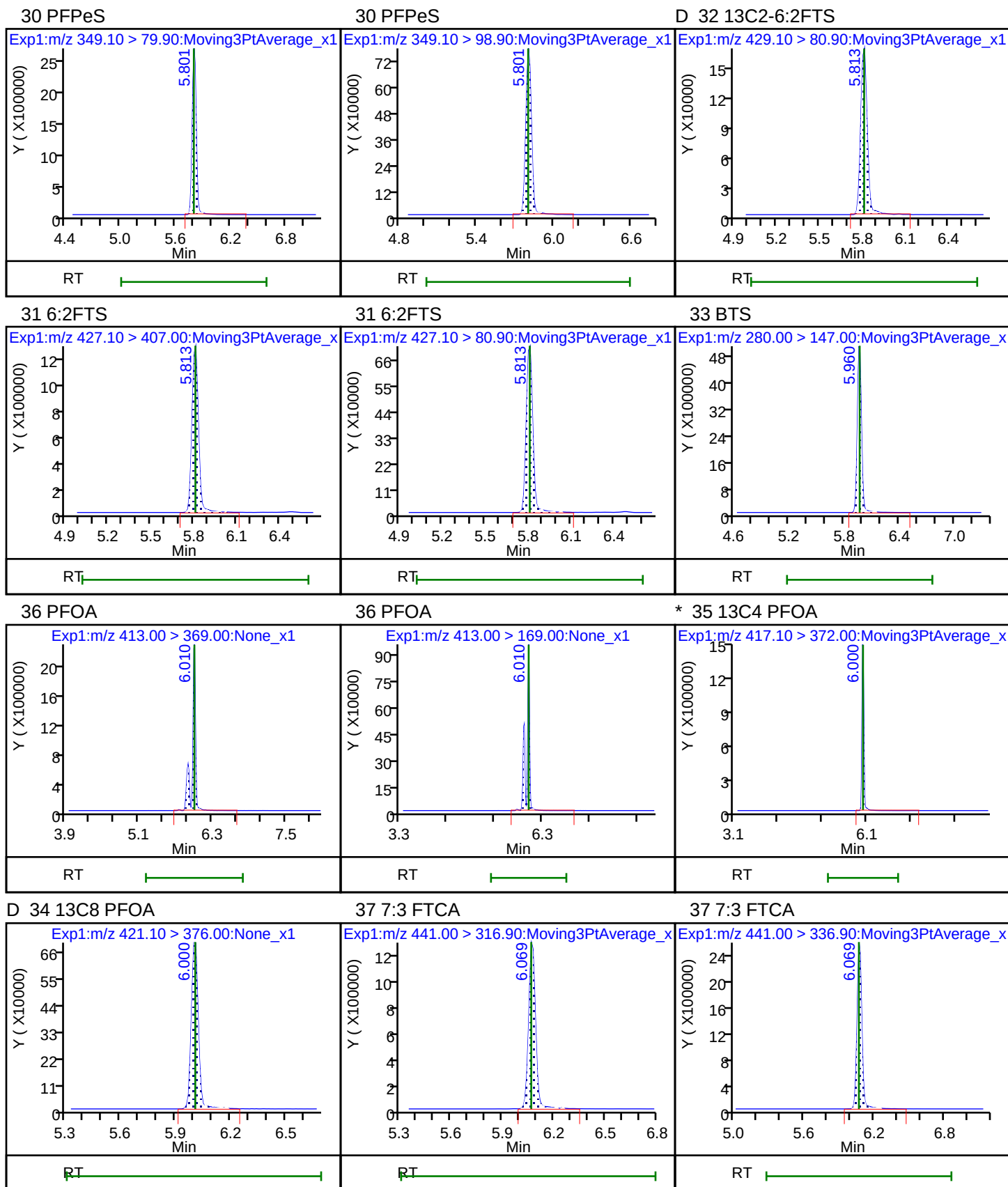
10 PFMB A

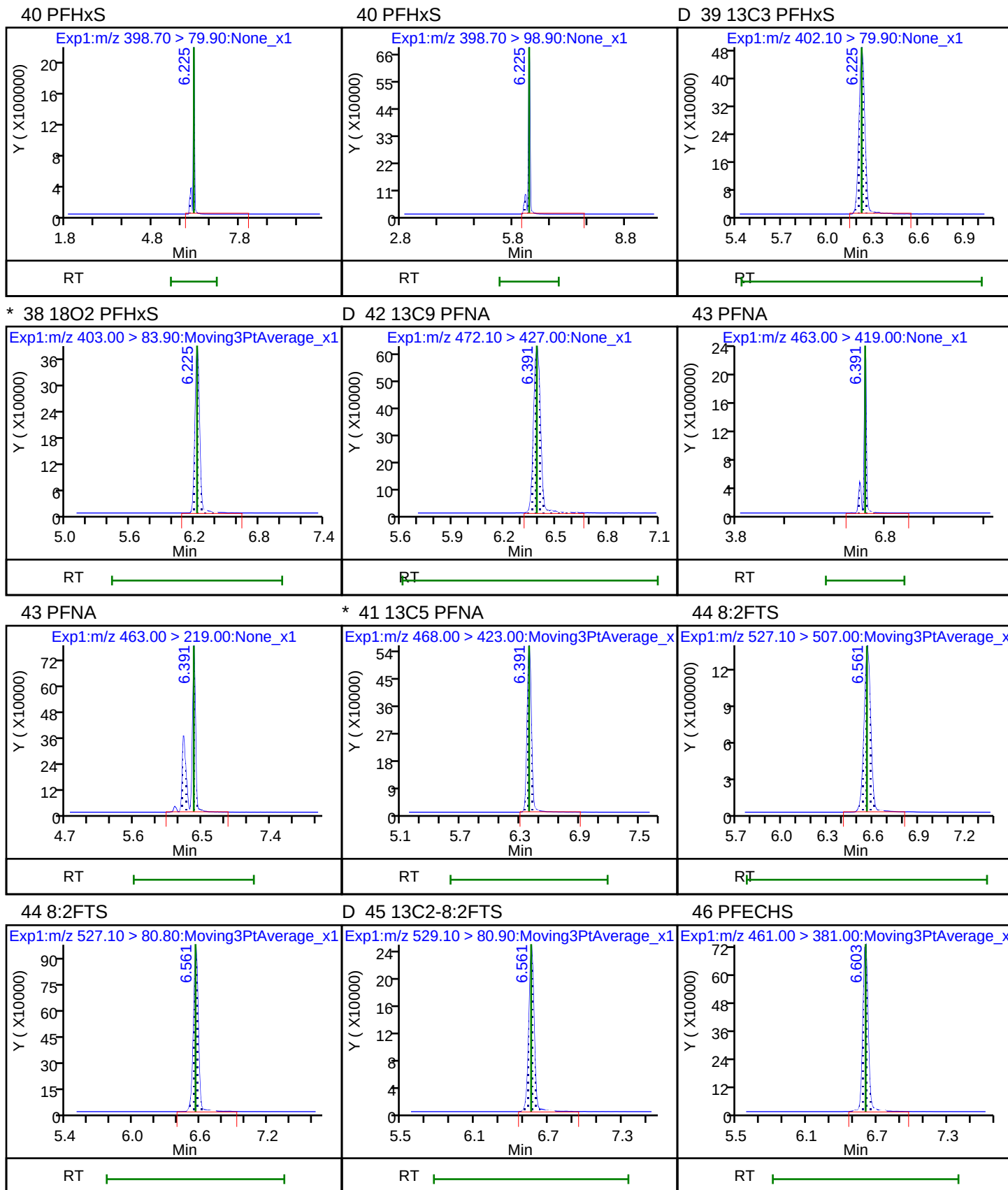
11 4:2FTS

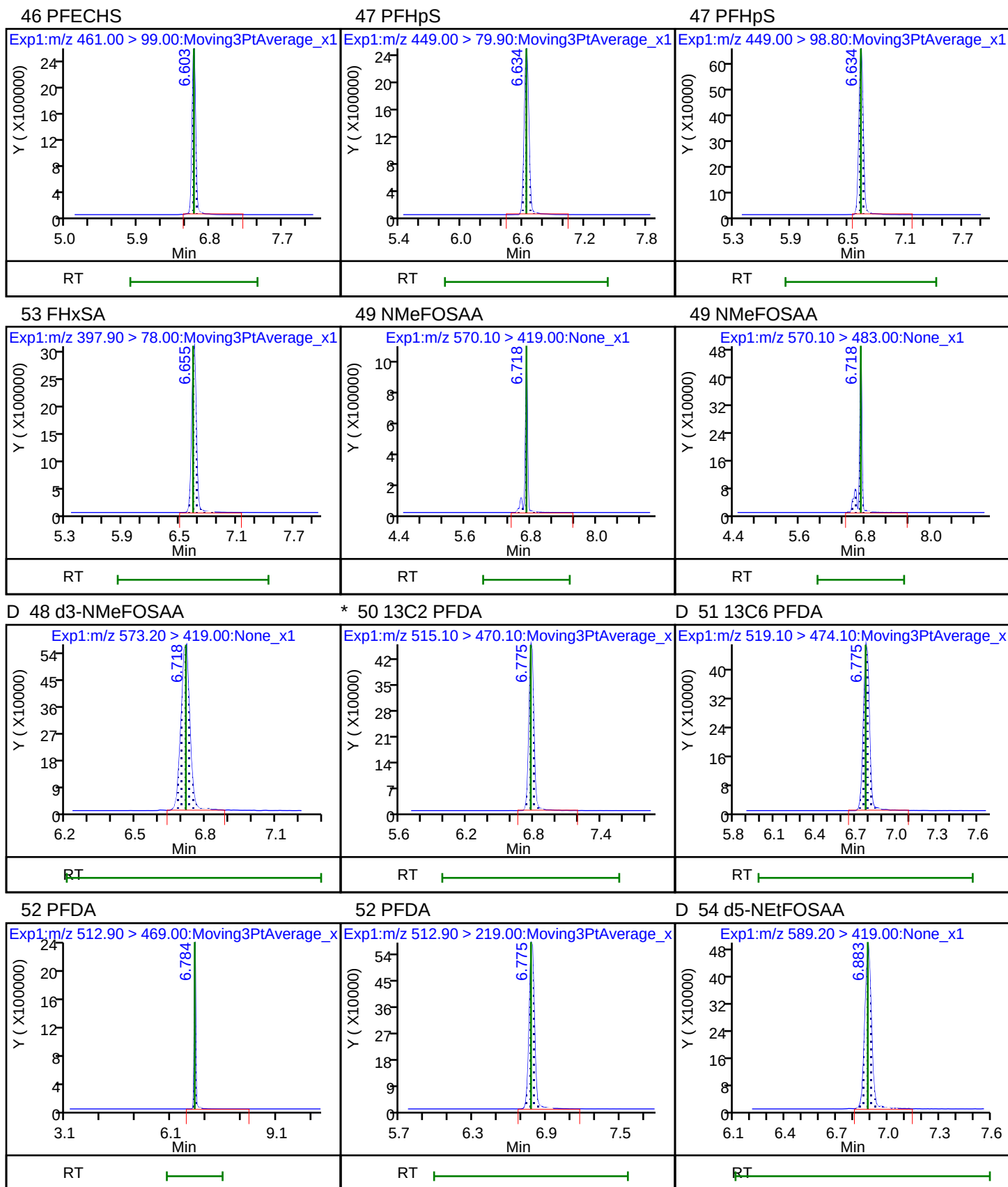


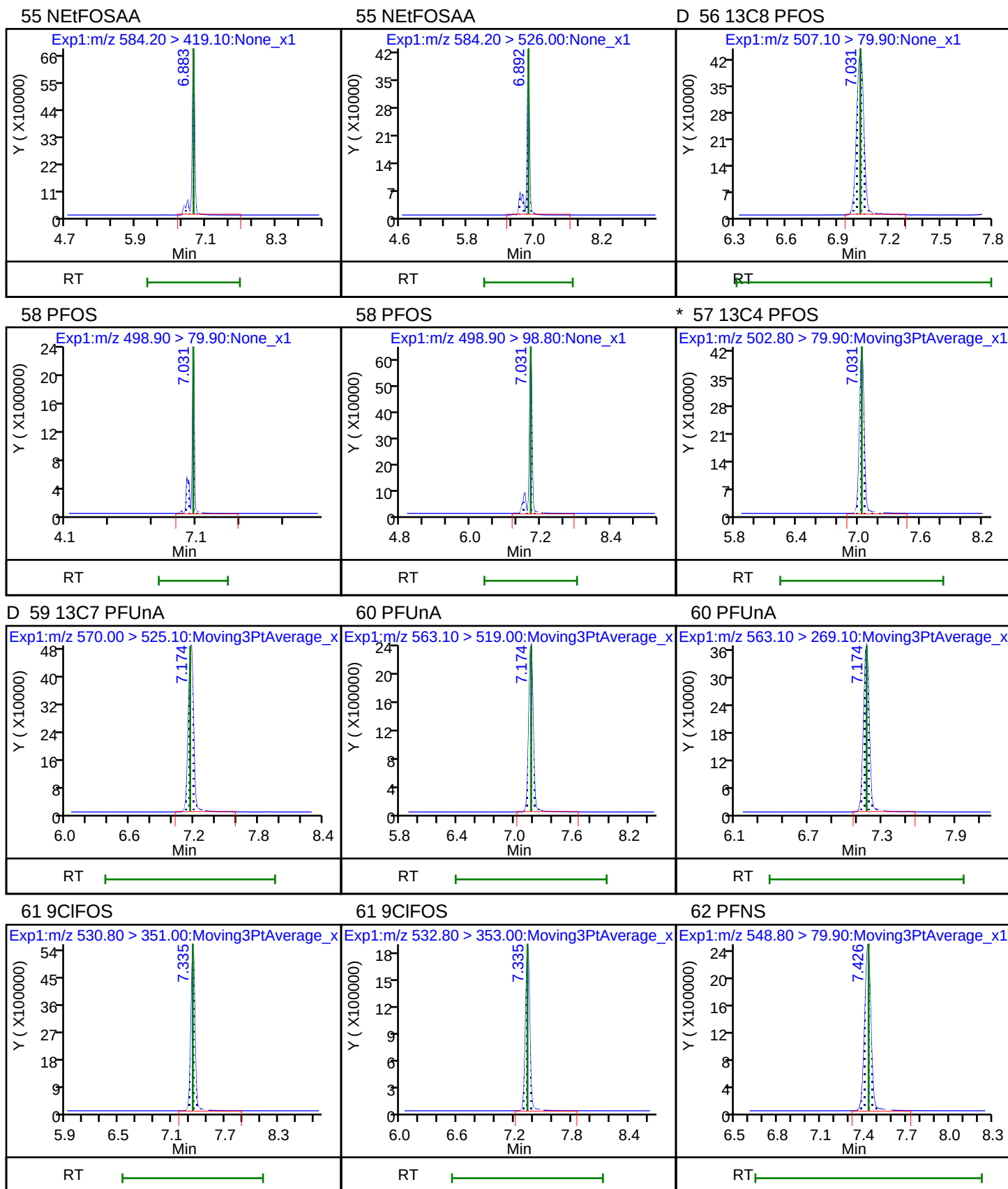




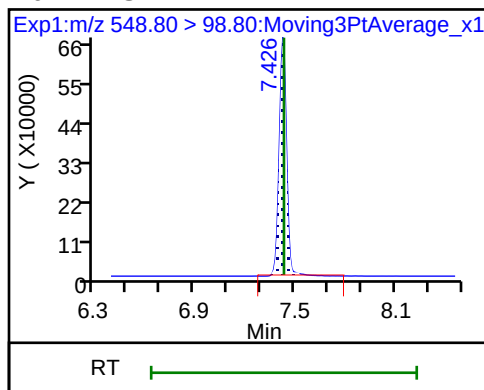




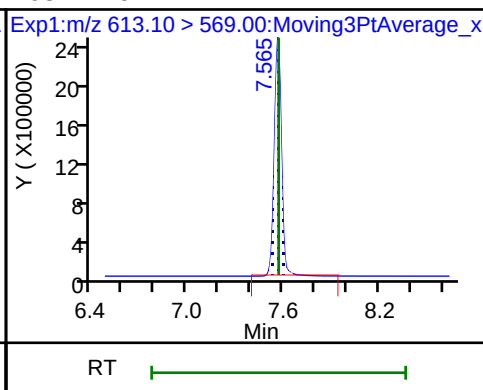




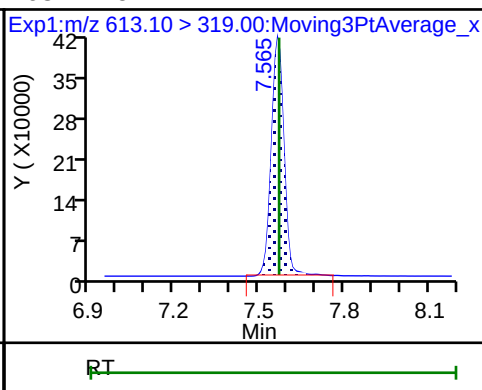
62 PFNS



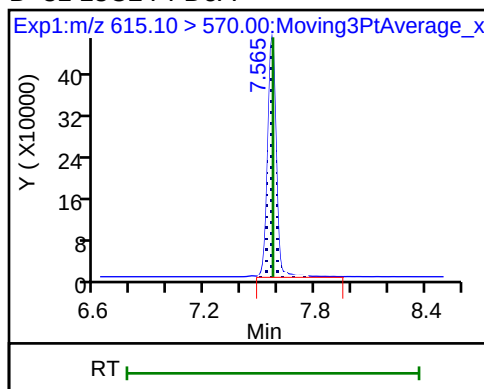
63 PFDaA



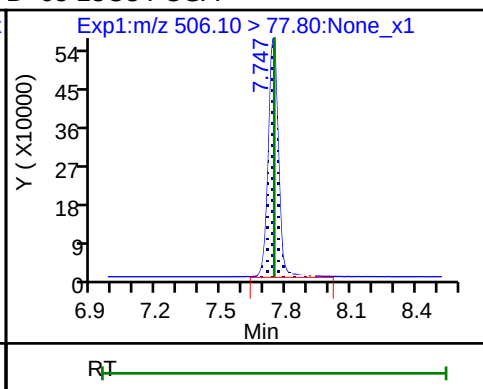
63 PFDaA



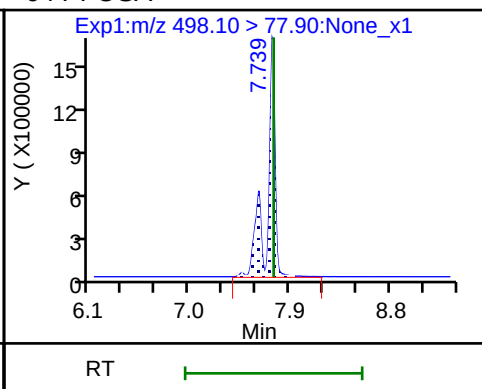
D 81 13C2 PFDaA



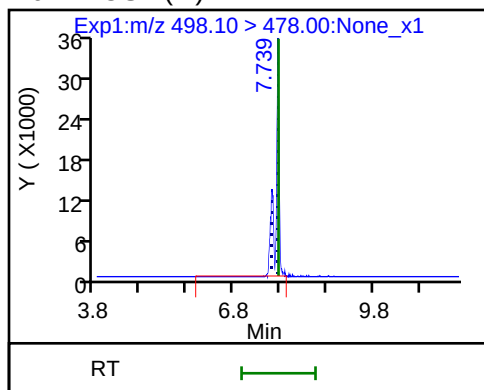
D 65 13C8 FOSA



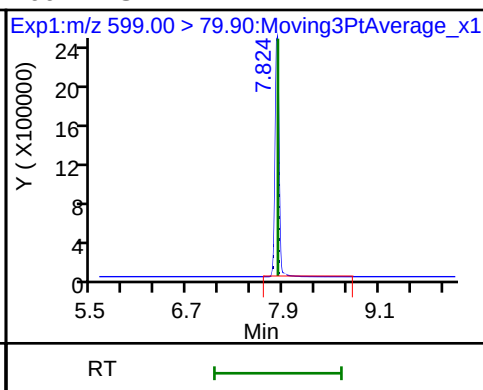
64 PFOSA



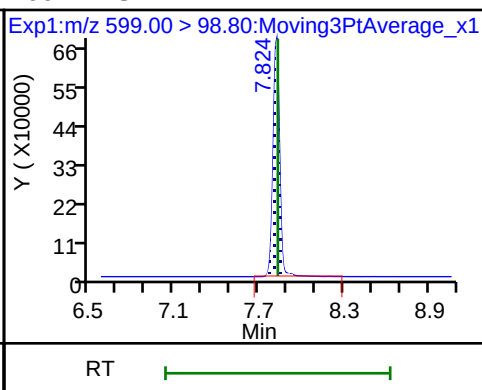
64 PFOSA (M)



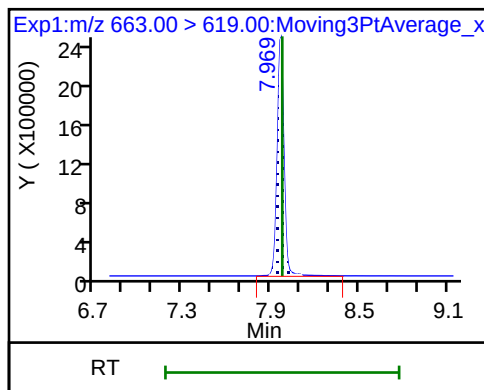
66 PFDS



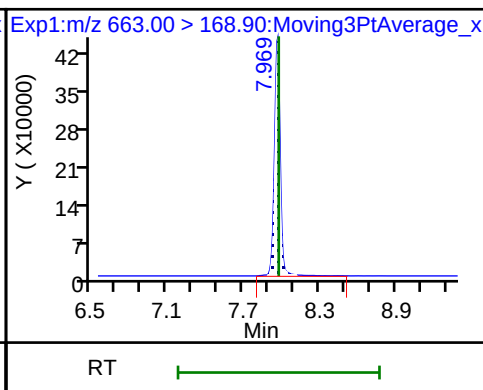
66 PFDS



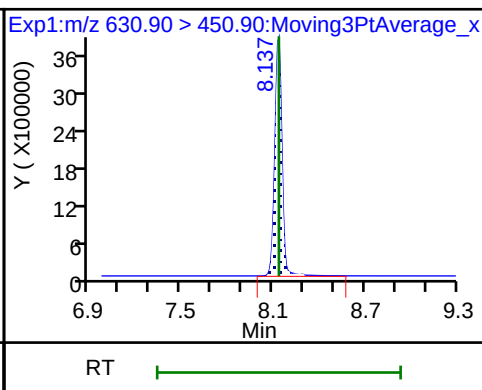
67 PFTTrDA

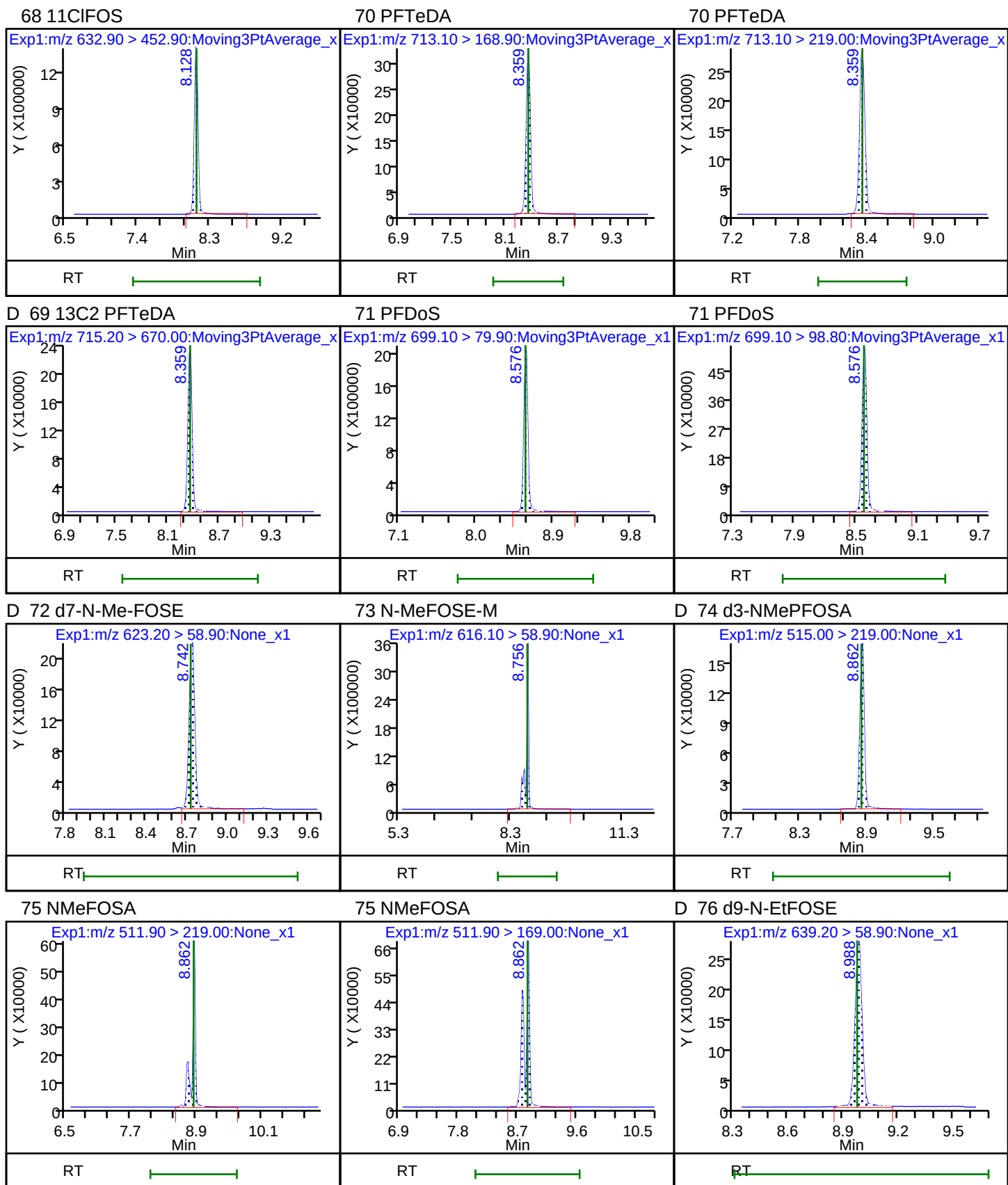


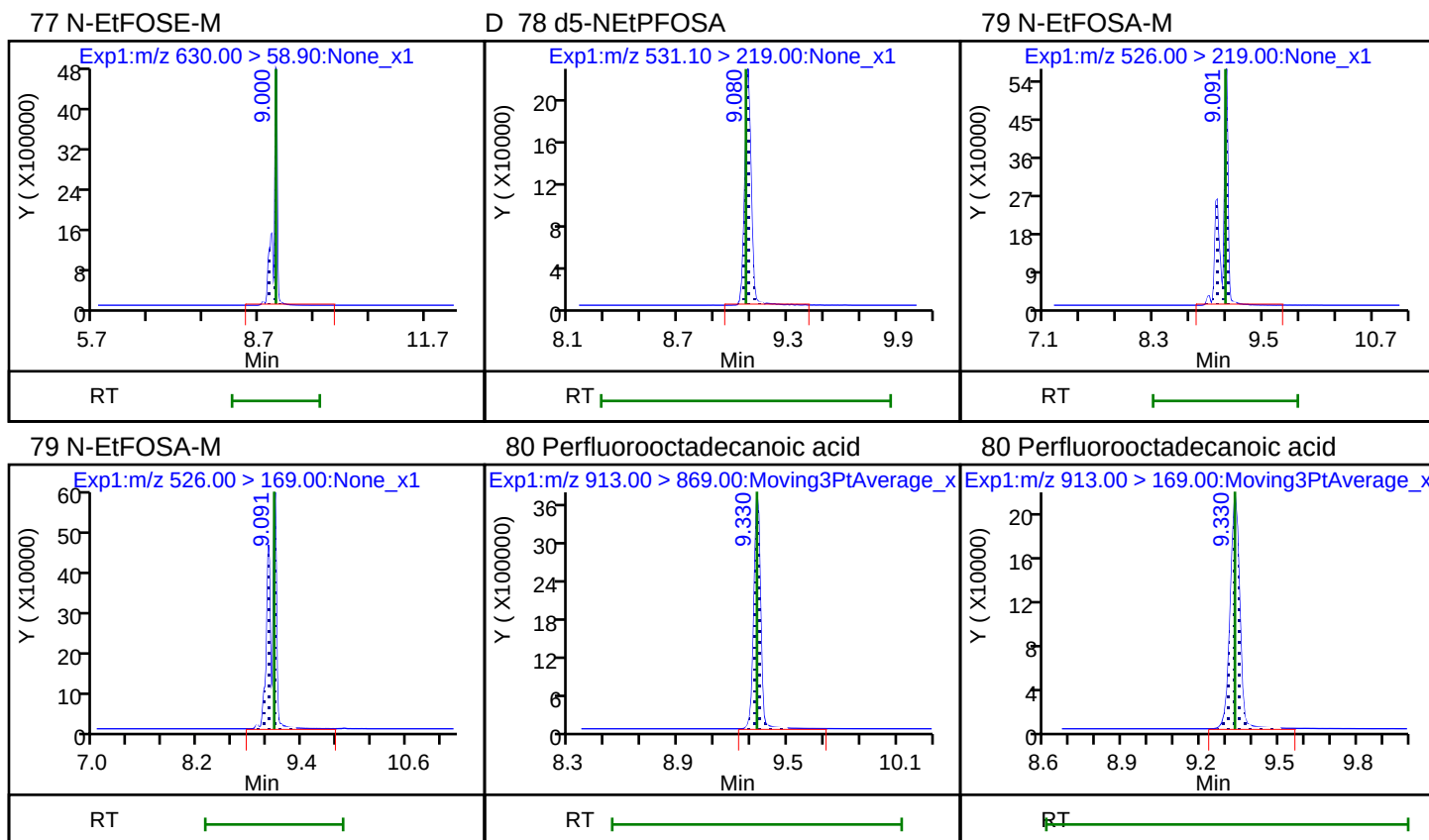
67 PFTTrDA



68 11CIFOS







Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-08.d
 Lims ID: IC CAL 8
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 29-Nov-2025 12:50:55 ALS Bottle#: 9 Worklist Smp#: 8
 Injection Vol: 7.0 ul Dil. Factor: 1.0000
 Sample Info: IC CAL 8
 Misc. Info.: Plate: 1 Rack: 1 410-0168303-008
 Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570
 Sublist: chrom-30570-1633-125ml*sub7
 Method: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\30570-1633-125ml.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 02-Dec-2025 10:39:13 Calib Date: 29-Nov-2025 12:50:55
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-08.d

Column 1 : Det: EXP1
 Process Host: CTX1614

First Level Reviewer: QY4X Date: 02-Dec-2025 10:37:05

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	1.961	1.984	-0.023	0.477	1292088	3.18		159	129572	
5 PFBA										
212.80 > 168.90	4.103	4.103	0.001	1.000	50607057	100.1		100	2028401	
D 3 13C4-PFBA										
216.80 > 171.90	4.103	4.103	0.001	0.998	1105509	2.00		100.0	1863	
* 4 13C3PFBA										
216.00 > 172.00	4.109	4.109	0.0		952312	2.00			729	
D 8 13C5 PFPeA										
268.30 > 223.00	4.745	4.744	0.001	0.912	1032690	1.92		96.1	2508	
9 PFPA										
263.00 > 219.00	4.755	4.744	0.011	1.002	30440684	48.8		97.7	7990	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.027	5.017	0.010	0.807	883526	6.59		141	4858	
D 15 13C5 PFHxA										
318.00 > 273.00	5.200	5.190	0.010	1.000	1495538	2.02		101	4027	
17 PFHxA										
313.00 > 269.00	5.200	5.200	0.0	1.000	32331990	44.8	Target=10.42	89.6	3962	
313.00 > 118.90	5.200	5.200	0.0	1.000	3147588		10.27(5.21-15.63)	89.6	4033	
* 16 13C2 PFHxA										
315.10 > 270.00	5.200	5.200	0.0		3269875	5.00			3830	
D 20 13C3 PFBS										
302.10 > 79.90	5.340	5.329	0.011	0.857	1202530	1.74		93.4	4121	
19 PFBS										
298.70 > 79.90	5.340	5.329	0.011	1.000	33771221	42.7	Target=2.90	96.1	6029	
298.70 > 98.80	5.340	5.329	0.011	1.000	11816149		2.86(1.45-4.35)	96.1	6741	

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	5.384	5.384	0.0	1.000	25983208	46.2	Target=2.63	92.3	3789	
284.90 > 184.90	5.384	5.384	0.0	1.000	9683266		2.68(1.31-3.94)	92.3	5554	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.384	5.384	0.0	1.035	1087431	2.13		107	2799	
28 PFHpA										a
363.10 > 319.00	5.621	5.610	0.011	1.000	26761378	47.7	Target=2.27	95.4	3233	a
363.10 > 169.00	5.621	5.610	0.011	1.000	12125600		2.21(1.13-3.40)	95.4	2853	
D 27 13C4 PFHpA										
367.10 > 322.00	5.621	5.610	0.011	1.081	1179384	1.87		93.5	4662	
29 ADONA										
376.90 > 250.90	5.765	5.765	0.0	1.071	56551878	31.6	Target=1.85	89.0	3289	
376.90 > 84.80	5.765	5.765	0.0	1.071	32999664		1.71(0.93-2.78)	89.0	3525	
30 PFPeS										
349.10 > 79.90	5.810	5.799	0.011	0.932	29979651	47.3	Target=3.26	101	7294	
349.10 > 98.90	5.810	5.799	0.011	0.932	9149726		3.28(1.63-4.89)	101	9256	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.822	5.810	0.012	0.934	370323	3.65		76.8	1060	
36 PFOA										
413.00 > 369.00	6.007	6.007	0.0	1.000	32292216	49.9	Target=2.18	99.9	23994	
413.00 > 169.00	6.007	6.007	0.0	1.000	15725761		2.05(1.09-3.27)	99.9	8493	
* 35 13C4 PFOA										
417.10 > 372.00	6.007	6.007	0.0		3779797	5.00			1232	
D 34 13C8 PFOA										
421.10 > 376.00	6.007	6.007	0.0	1.000	1610975	2.06		103	2600	
* 38 18O2 PFHxS										
403.00 > 83.90	6.232	6.223	0.009		945504	1.90			1283	
40 PFHxS										
398.70 > 79.90	6.232	6.223	0.009	1.000	27715534	48.4	Target=3.38	106	2567	
398.70 > 98.90	6.232	6.223	0.009	1.000	8277289		3.35(1.69-5.07)	106	2081	
D 39 13C3 PFHxS										
402.10 > 79.90	6.232	6.223	0.009	1.000	957929	1.89		99.6	844	
* 41 13C5 PFNA										
468.00 > 423.00	6.399	6.389	0.010		1454323	2.00			3269	
D 42 13C9 PFNA										
472.10 > 427.00	6.399	6.389	0.010	1.000	1414128	2.02		101	2292	
43 PFNA										
463.00 > 419.00	6.399	6.389	0.010	1.000	30543695	46.9	Target=2.51	93.7	67499	
463.00 > 219.00	6.399	6.389	0.010	1.000	12782534		2.39(1.25-3.76)	93.7	9793	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.569	6.558	0.011	1.054	808023	6.39		133	4740	
47 PFHpS										
449.00 > 79.90	6.641	6.631	0.010	0.945	27544647	44.0	Target=3.66	92.3	4900	
449.00 > 98.80	6.641	6.631	0.010	0.945	7531166		3.66(1.83-5.50)	92.3	10913	
D 48 d3-NMeFOSAA										
573.20 > 419.00	6.715	6.715	0.0	0.955	1518506	6.93		139	2781	
* 50 13C2 PFDA										
515.10 > 470.10	6.790	6.772	0.018		1637619	2.00			5311	
Q3706										

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	6.781	6.772	0.009	0.999	1681482	2.02		101	4453	
D 54 d5-NEtFOSAA 589.20 > 419.00	6.889	6.880	0.009	0.980	1348469	6.14		123	1255	
D 56 13C8 PFOS 507.10 > 79.90	7.029	7.029	0.0	1.000	974602	1.96		102	797	
58 PFOS 498.90 > 79.90	7.039	7.029	0.010	1.001	36024466	46.1	Target=4.36	99.2	19120	
498.90 > 98.80	7.039	7.029	0.010	1.001	8082275		4.46(2.18-6.54)	99.2	15539	
* 57 13C4 PFOS 502.80 > 79.90	7.029	7.029	0.0		1079842	1.92			2480	
D 59 13C7 PFUnA 570.00 > 525.10	7.172	7.162	0.010	1.056	1901811	2.01		101	7462	
D 81 13C2 PFDaA 615.10 > 570.00	7.570	7.570	0.0	1.115	1530852	1.92		96.2	3494	
D 65 13C8 FOSA 506.10 > 77.80	7.745	7.745	0.0	1.102	1762149	2.73		136	1739	
D 69 13C2 PFTeDA 715.20 > 670.00	8.358	8.358	0.0	1.231	775470	1.91		95.6	3061	
D 72 d7-N-Me-FOSE 623.20 > 58.90	8.728	8.728	0.0	1.242	586738	6.55		131	405	
D 74 d3-NMePFOSA 515.00 > 219.00	8.849	8.849	0.0	1.259	430010	2.75		137	1930	
D 76 d9-N-EtFOSE 639.20 > 58.90	8.976	8.976	0.0	1.277	727134	7.02		140	416	
D 78 d5-NEtPFOSA 531.10 > 219.00	9.081	9.069	0.012	1.292	520408	2.76		138	1276	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

1633_125_CAL8_00032

Amount Added: 1.00

Units: mL

Data File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-08.d

Injection Date: 29-Nov-2025 12:50:55

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

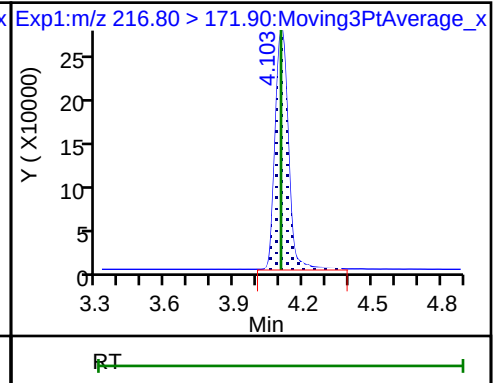
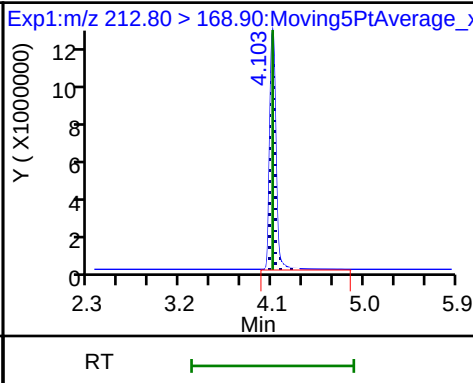
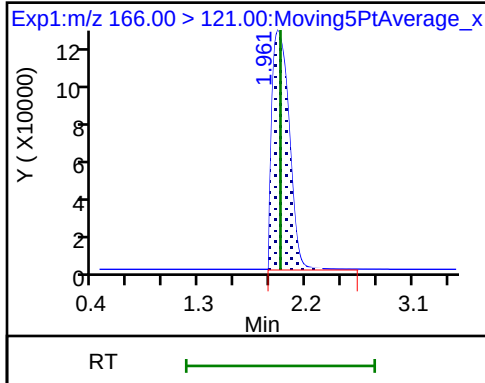
Method: 30570-1633-125ml

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

5 PFBA

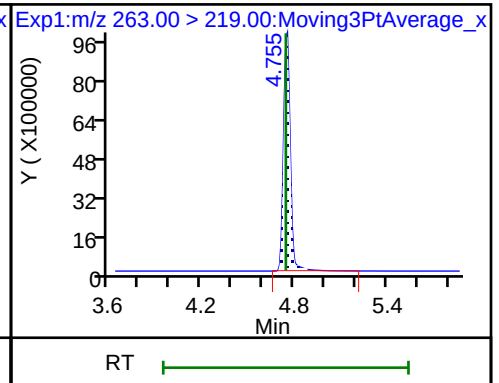
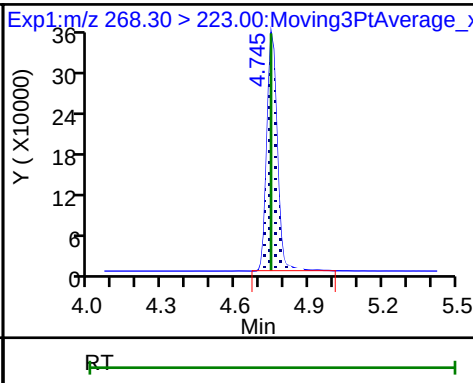
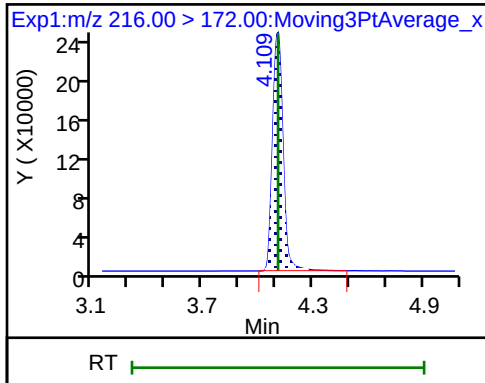
D 3 13C4-PFBA



* 4 13C3PFBA

D 8 13C5 PFPeA

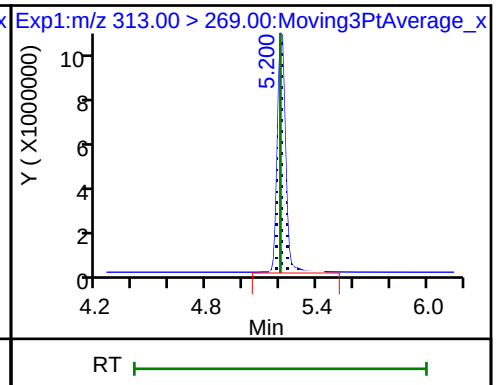
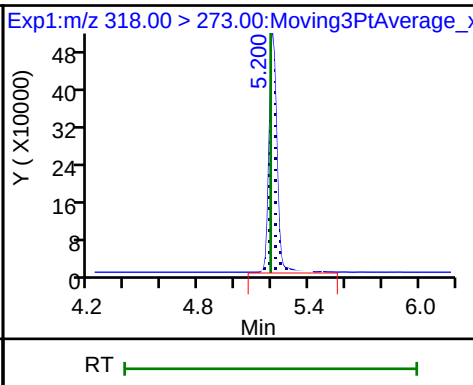
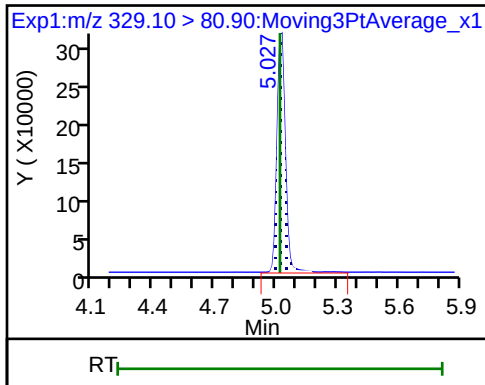
9 PFPA



D 13 13C2-4:2FTS

D 15 13C5 PFHxA

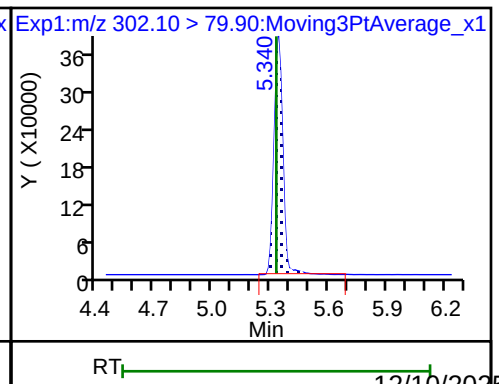
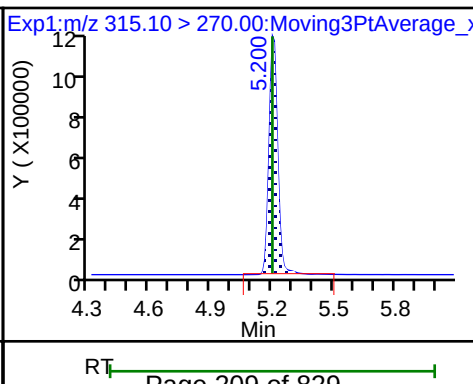
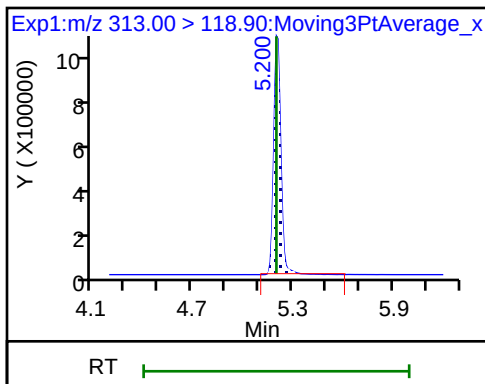
17 PFHxA

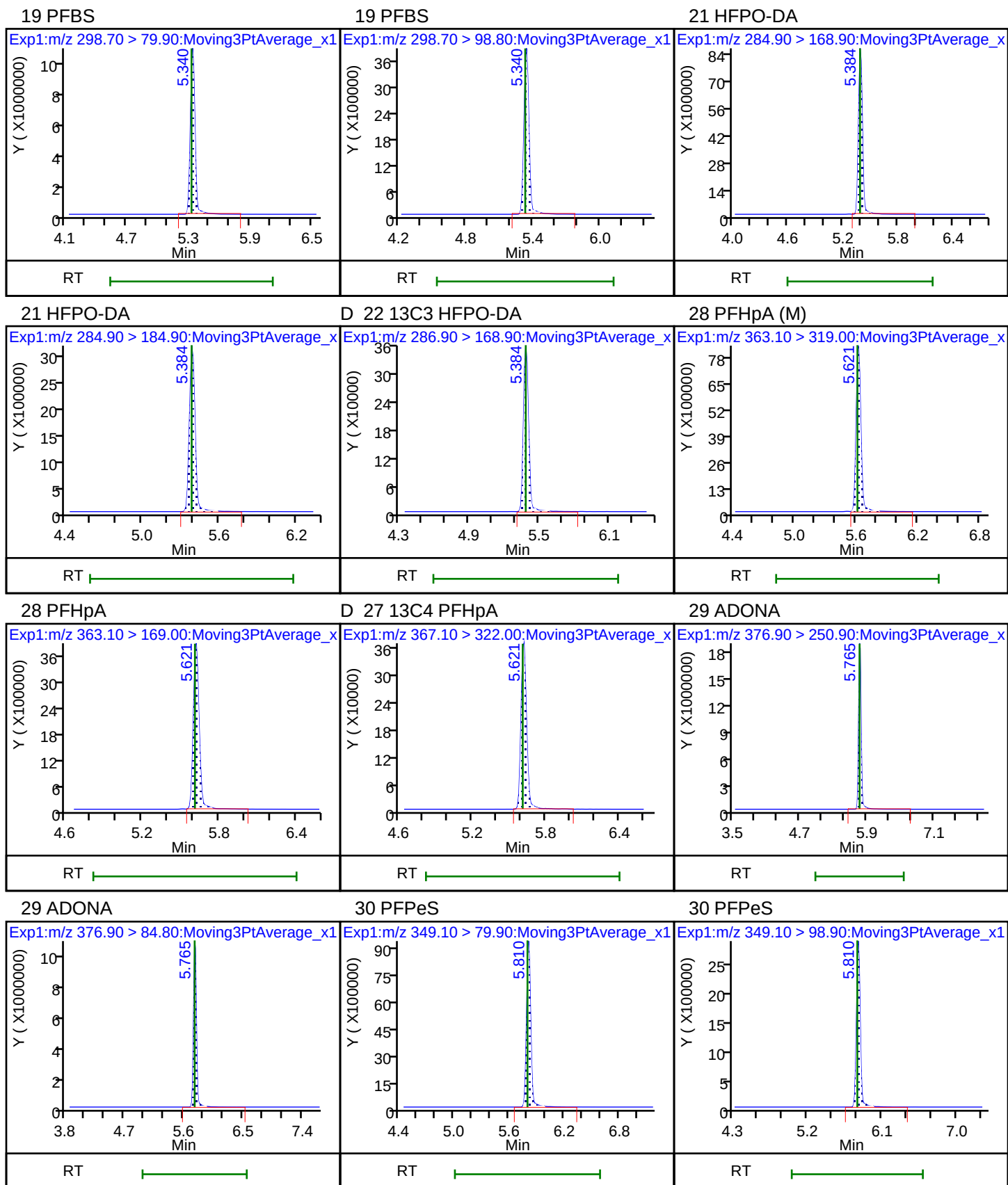


17 PFHxA

* 16 13C2 PFHxA

D 20 13C3 PFBS

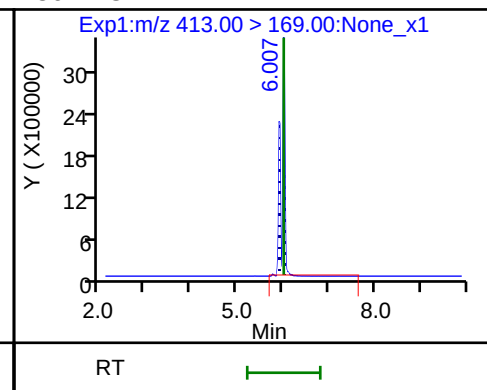
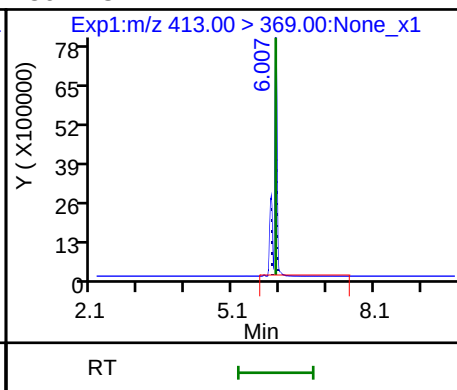
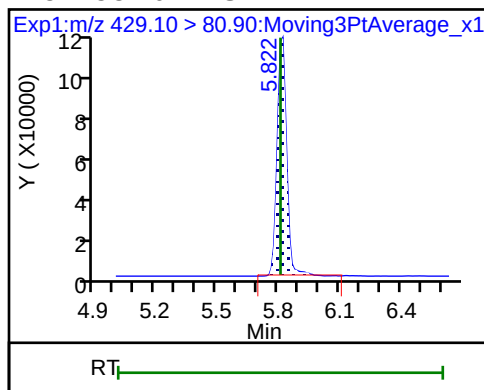




D 32 13C2-6:2FTS

36 PFOA

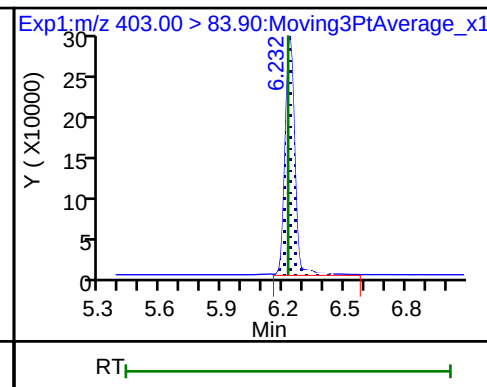
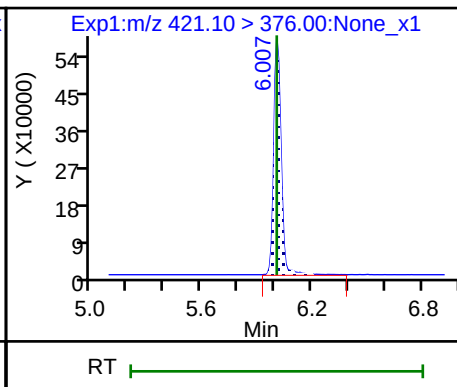
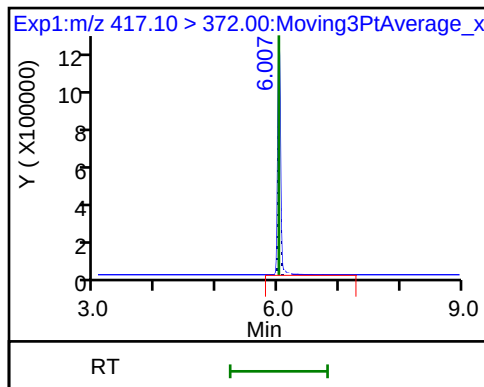
36 PFOA



* 35 13C4 PFOA

D 34 13C8 PFOA

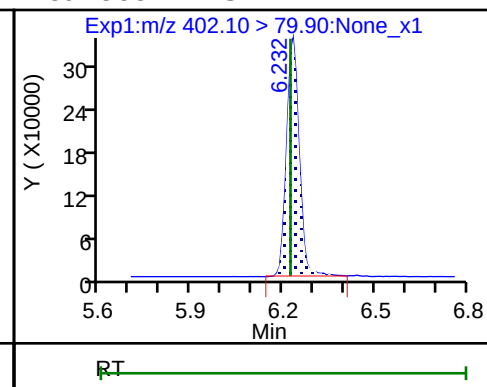
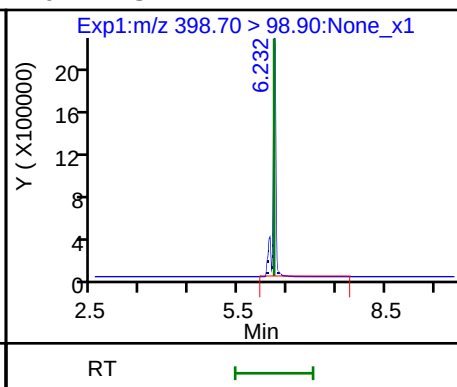
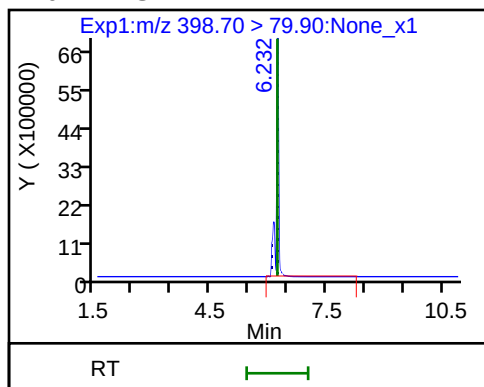
* 38 18O2 PFHxS



40 PFHxS

40 PFHxS

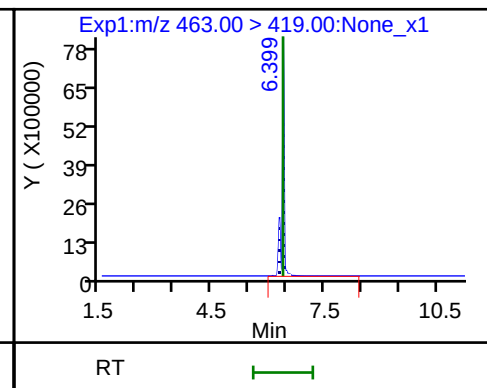
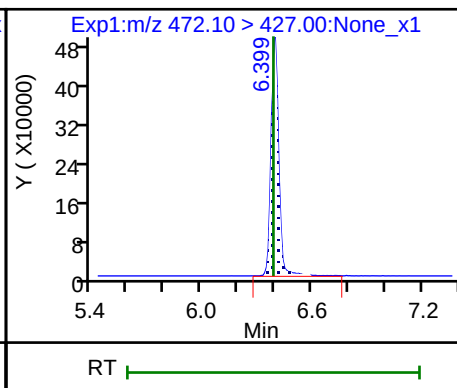
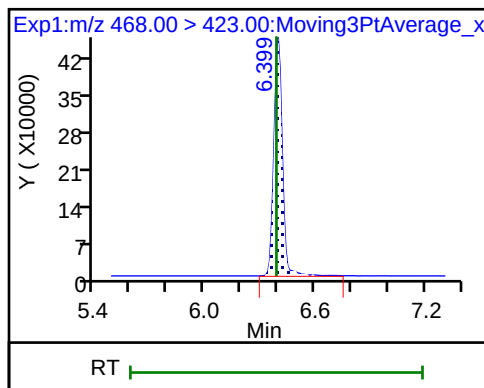
D 39 13C3 PFHxS

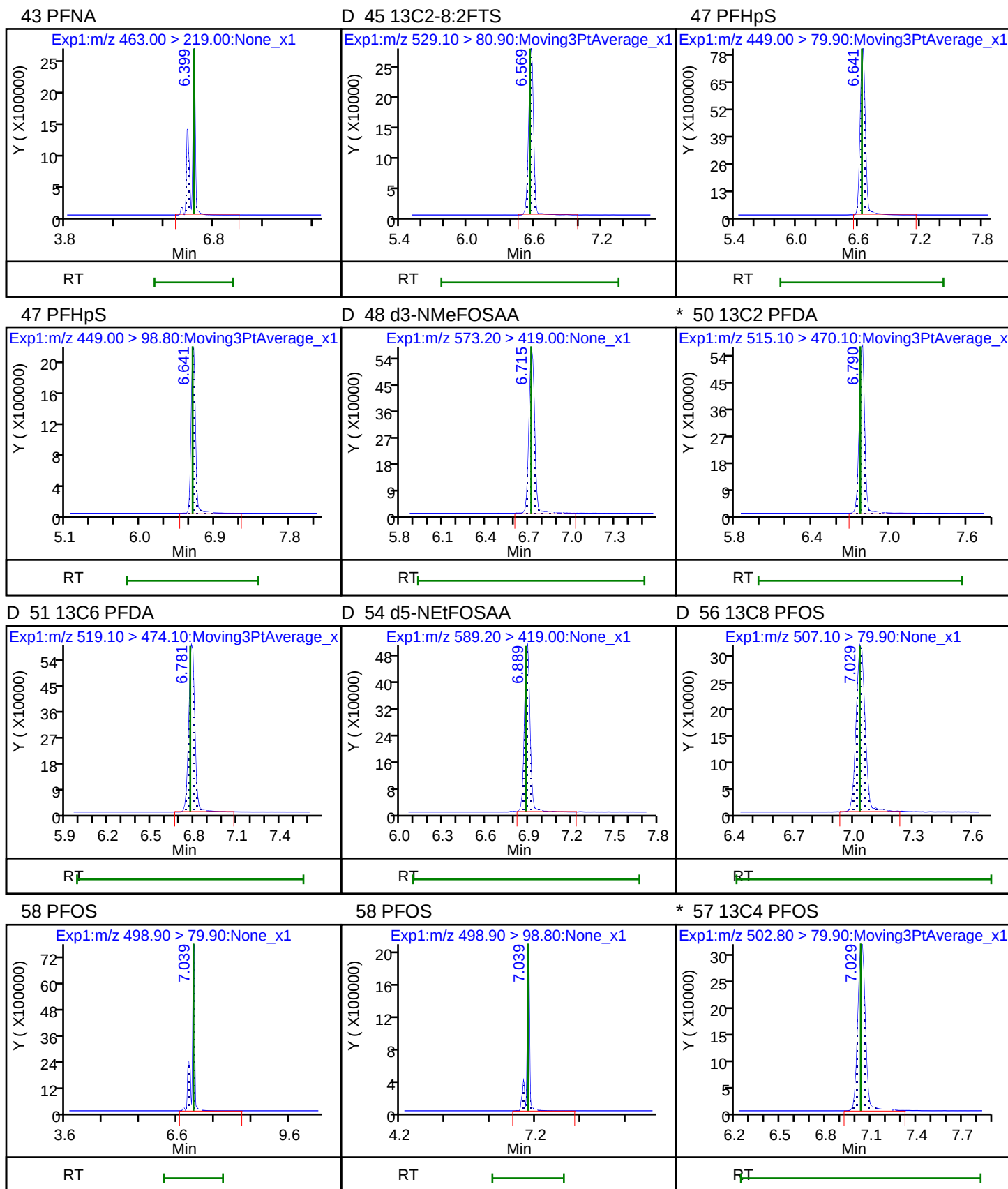


* 41 13C5 PFNA

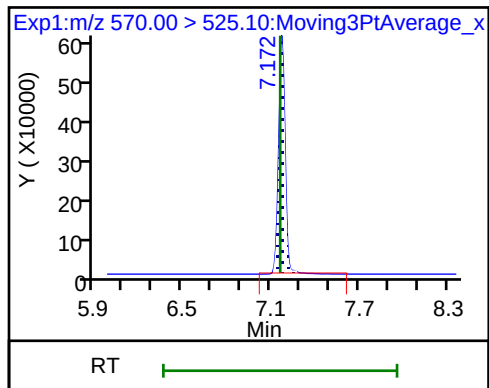
D 42 13C9 PFNA

43 PFNA

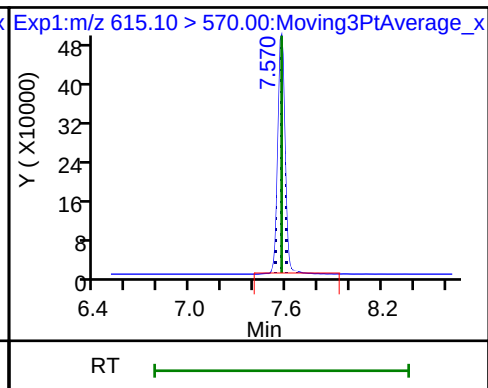




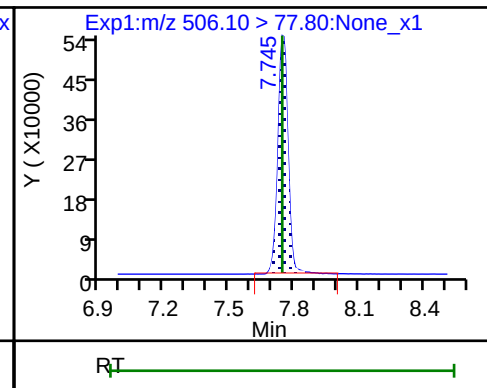
D 59 13C7 PFUnA



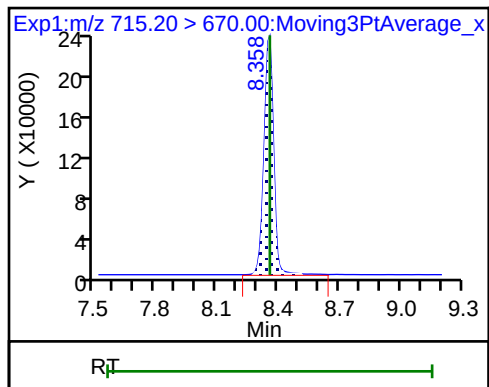
D 81 13C2 PFDaA



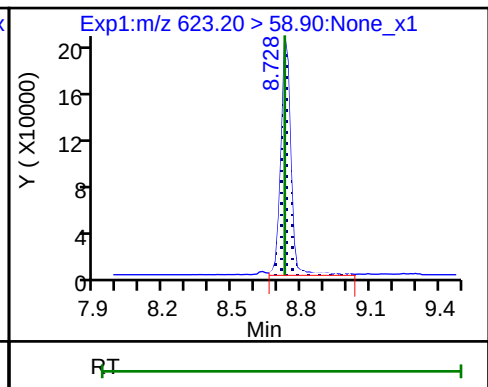
D 65 13C8 FOSA



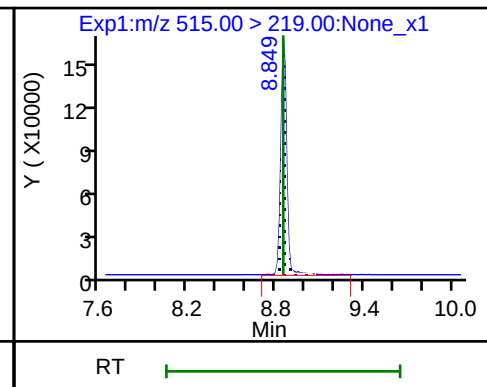
D 69 13C2 PFTeDA



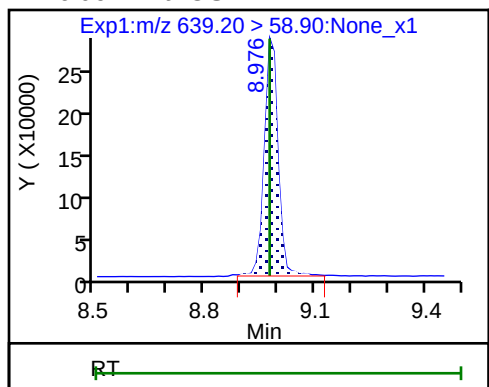
D 72 d7-N-Me-FOSE



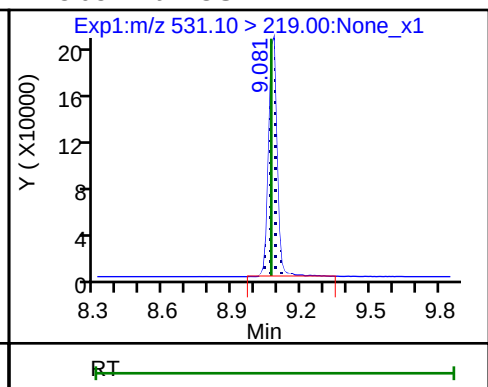
D 74 d3-NMePFOSA



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

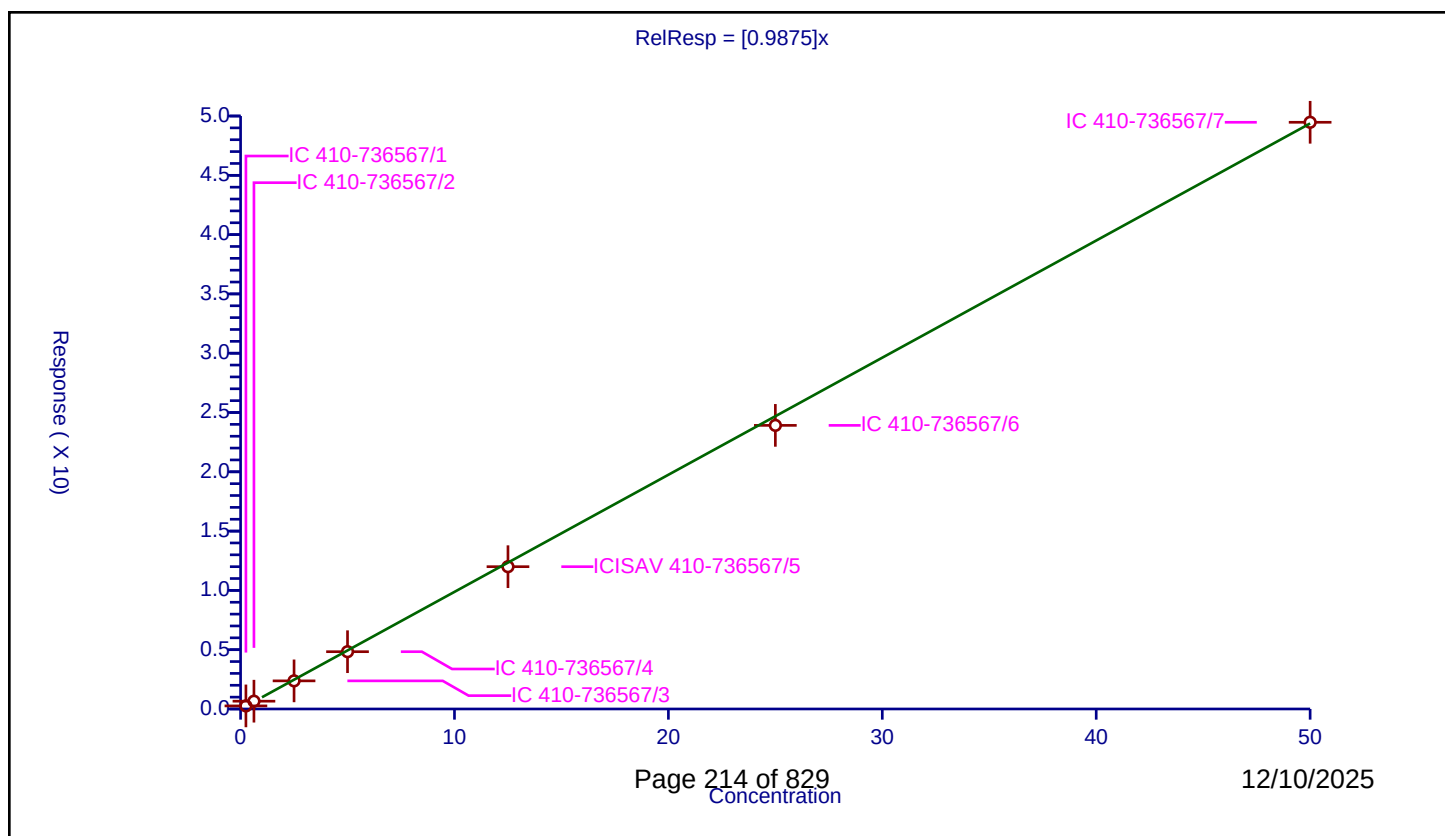
Curve Coefficients

Intercept: 0
Slope: 0.9875

Error Coefficients

Relative Standard Deviation: 4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.25	0.259975	2.0	1335154.0	1.039898	Y
2	IC 410-736567/2	0.625	0.657064	2.0	1264108.0	1.051303	Y
3	IC 410-736567/3	2.5	2.371625	2.0	1302646.0	0.94865	Y
4	IC 410-736567/4	5.0	4.831833	2.0	1299386.0	0.966367	Y
5	ICISAV 410-736567/5	12.5	11.999193	2.0	966841.0	0.959935	Y
6	IC 410-736567/6	25.0	23.914995	2.0	1202206.0	0.9566	Y
7	IC 410-736567/7	50.0	49.471661	2.0	1148444.0	0.989433	Y



Calibration

/ Perfluorobutanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

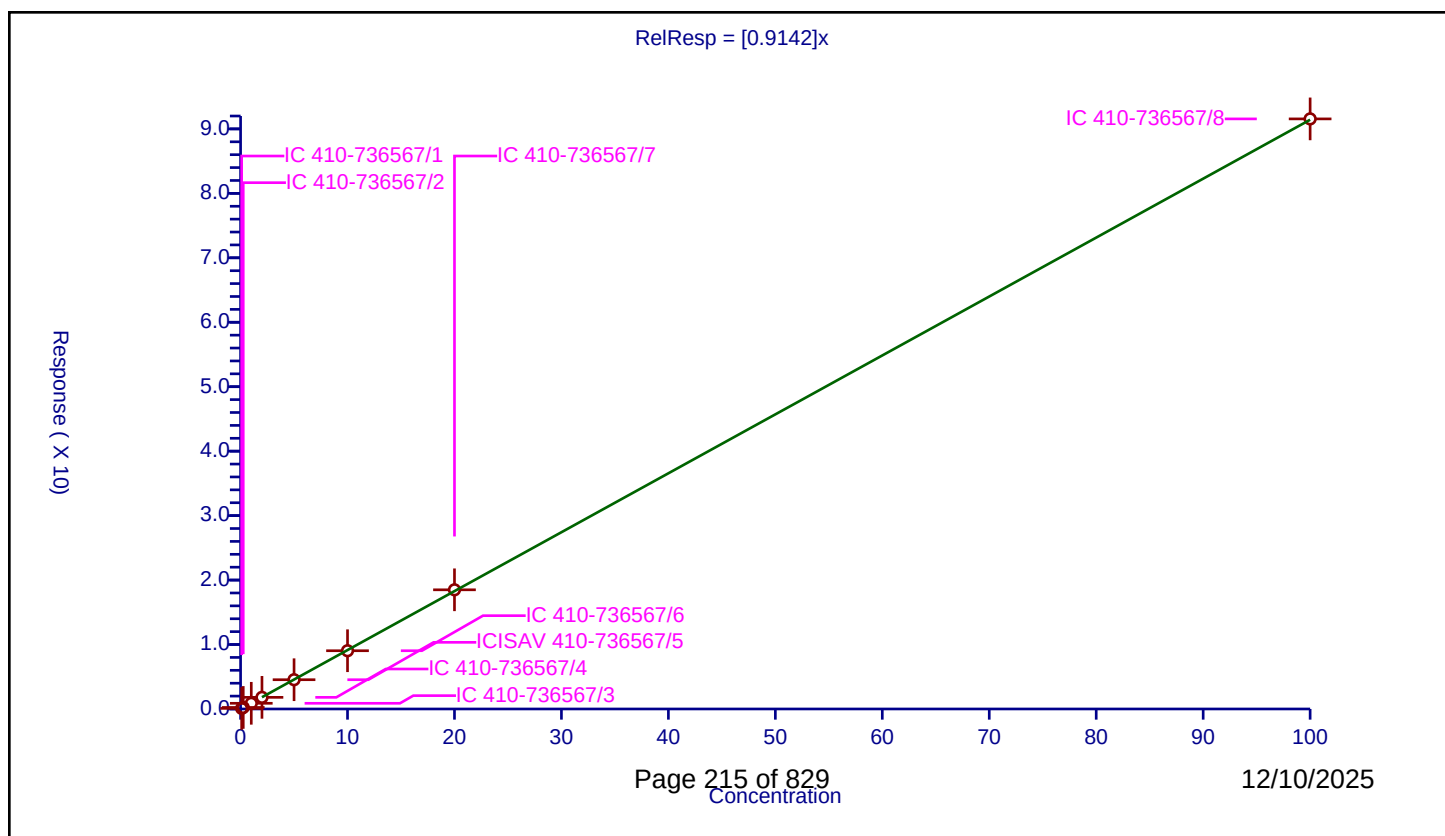
Curve Coefficients

Intercept: 0
Slope: 0.9142

Error Coefficients

Relative Standard Deviation: 2.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.1	0.091684	2.0	1772558.0	0.916844	Y
2	IC 410-736567/2	0.25	0.23953	2.0	1735606.0	0.958121	Y
3	IC 410-736567/3	1.0	0.882525	2.0	1772674.0	0.882525	Y
4	IC 410-736567/4	2.0	1.80764	2.0	1736320.0	0.90382	Y
5	ICISAV 410-736567/5	5.0	4.541244	2.0	1271910.0	0.908249	Y
6	IC 410-736567/6	10.0	9.038428	2.0	1694798.0	0.903843	Y
7	IC 410-736567/7	20.0	18.491564	2.0	1601956.0	0.924578	Y
8	IC 410-736567/8	100.0	91.55431	2.0	1105509.0	0.915543	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

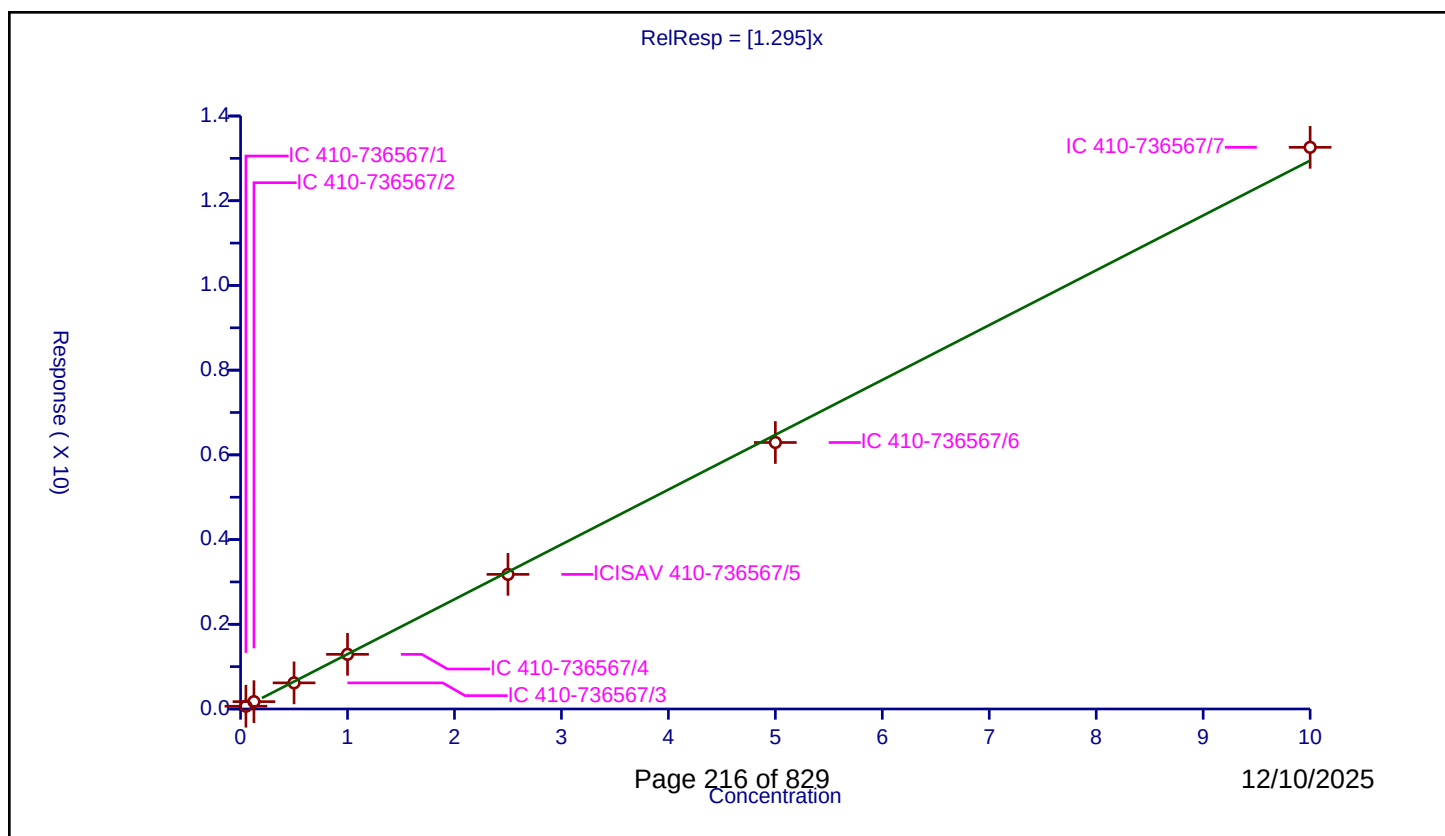
Curve Coefficients

Intercept: 0
Slope: 1.295

Error Coefficients

Relative Standard Deviation: 3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.05	0.064855	2.0	1440936.0	1.297101	Y
2	IC 410-736567/2	0.125	0.173255	2.0	1363688.0	1.386041	Y
3	IC 410-736567/3	0.5	0.61665	2.0	1421472.0	1.233299	Y
4	IC 410-736567/4	1.0	1.29057	2.0	1369942.0	1.29057	Y
5	ICISAV 410-736567/5	2.5	3.178794	2.0	1029203.0	1.271517	Y
6	IC 410-736567/6	5.0	6.292067	2.0	1390289.0	1.258413	Y
7	IC 410-736567/7	10.0	13.260834	2.0	1345073.0	1.326083	Y



Calibration

/ 3:3 FTCA

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

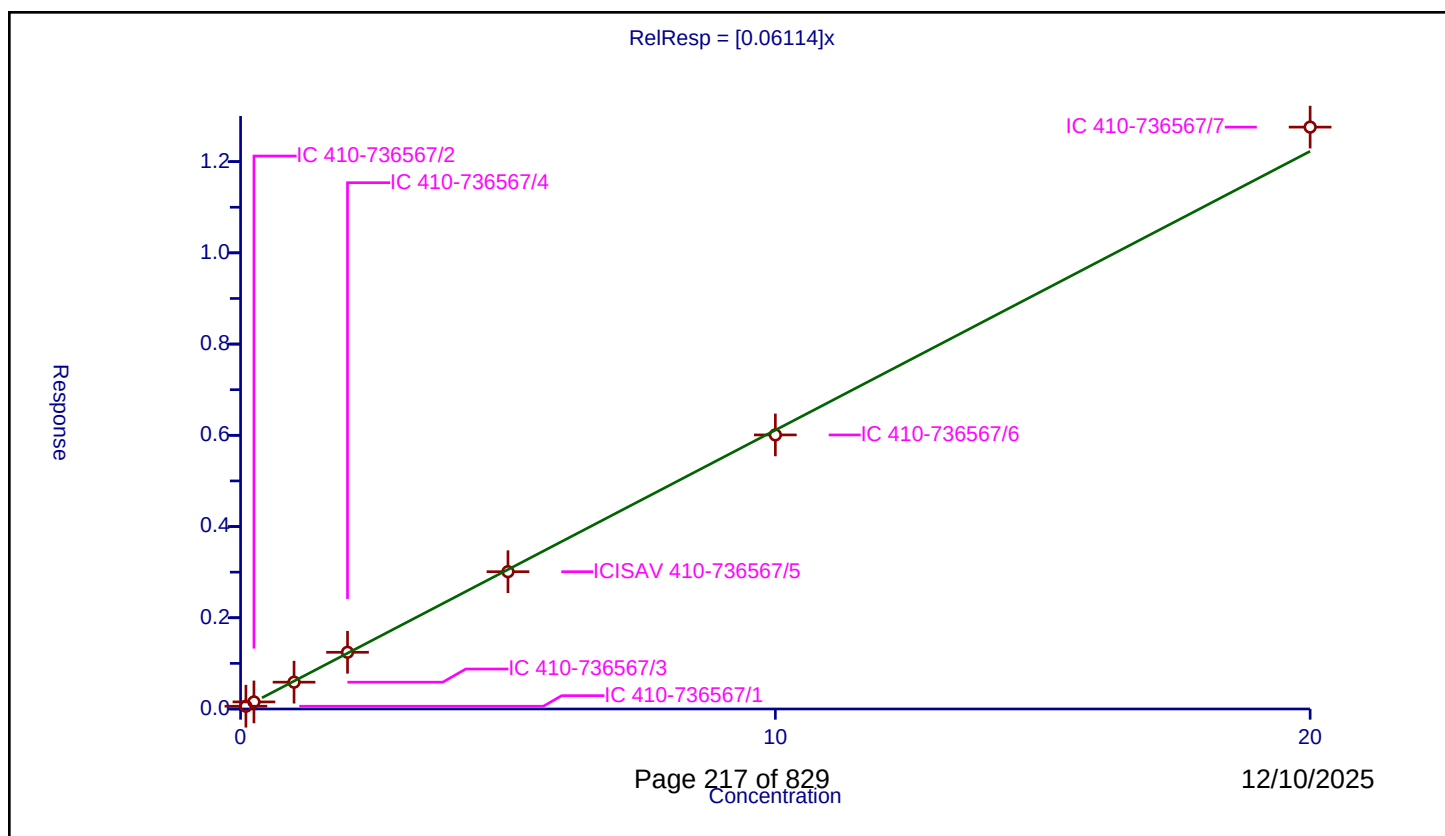
Curve Coefficients

Intercept: 0
Slope: 0.06114

Error Coefficients

Relative Standard Deviation: 2.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.1	0.006075	2.0	1440936.0	0.060752	Y
2	IC 410-736567/2	0.25	0.015537	2.0	1363688.0	0.062149	Y
3	IC 410-736567/3	1.0	0.058805	2.0	1421472.0	0.058805	Y
4	IC 410-736567/4	2.0	0.124345	2.0	1369942.0	0.062173	Y
5	ICISAV 410-736567/5	5.0	0.300992	2.0	1029203.0	0.060198	Y
6	IC 410-736567/6	10.0	0.600851	2.0	1390289.0	0.060085	Y
7	IC 410-736567/7	20.0	1.275694	2.0	1345073.0	0.063785	Y



Calibration

/ Perfluoropentanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

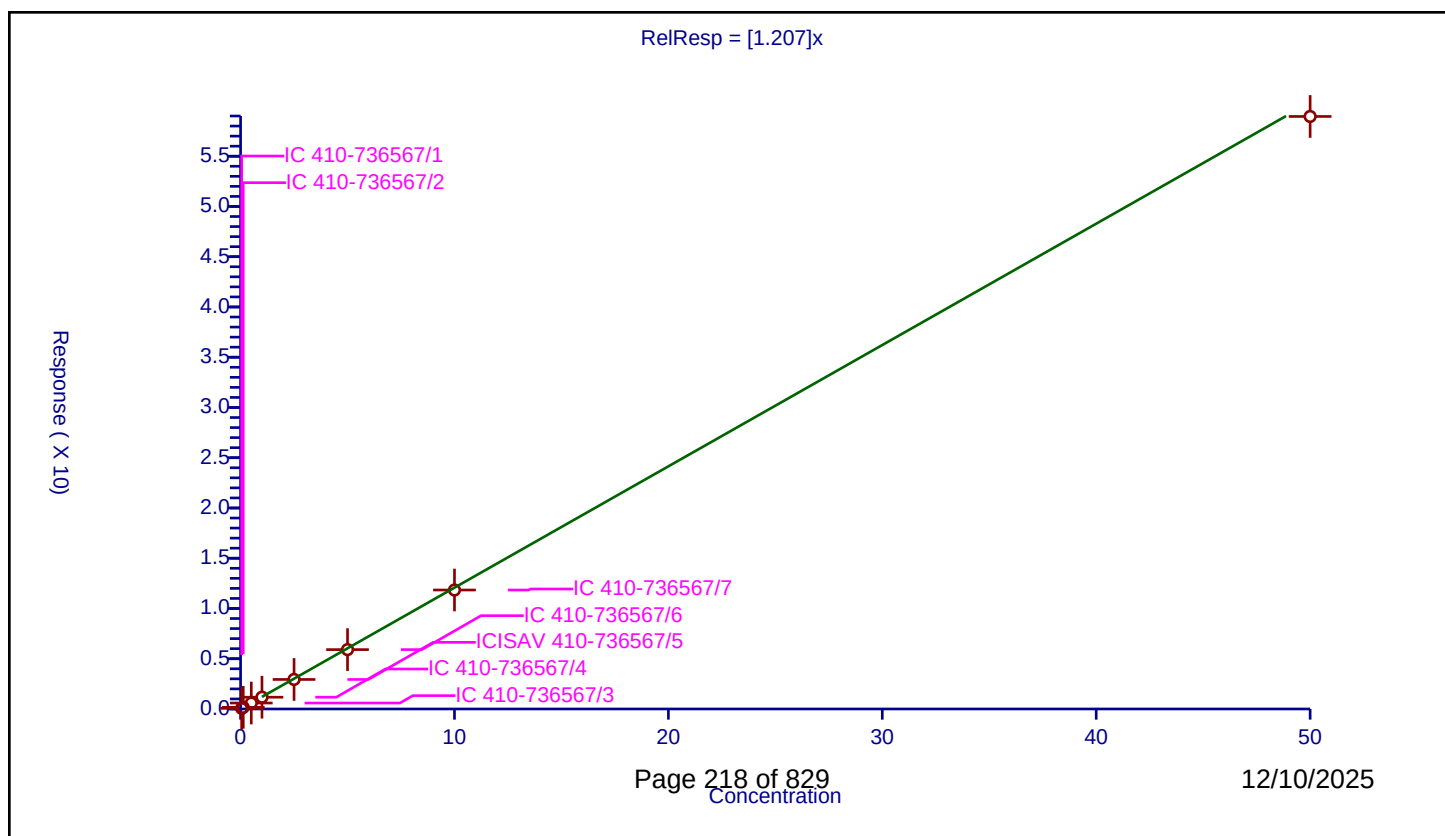
Curve Coefficients

Intercept: 0
Slope: 1.207

Error Coefficients

Relative Standard Deviation: 4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.05	0.063391	2.0	1440936.0	1.267815	Y
2	IC 410-736567/2	0.125	0.164148	2.0	1363688.0	1.31318	Y
3	IC 410-736567/3	0.5	0.592369	2.0	1421472.0	1.184738	Y
4	IC 410-736567/4	1.0	1.172095	2.0	1369942.0	1.172095	Y
5	ICISAV 410-736567/5	2.5	2.937628	2.0	1029203.0	1.175051	Y
6	IC 410-736567/6	5.0	5.906966	2.0	1390289.0	1.181393	Y
7	IC 410-736567/7	10.0	11.836437	2.0	1345073.0	1.183644	Y
8	IC 410-736567/8	50.0	58.954157	2.0	1032690.0	1.179083	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

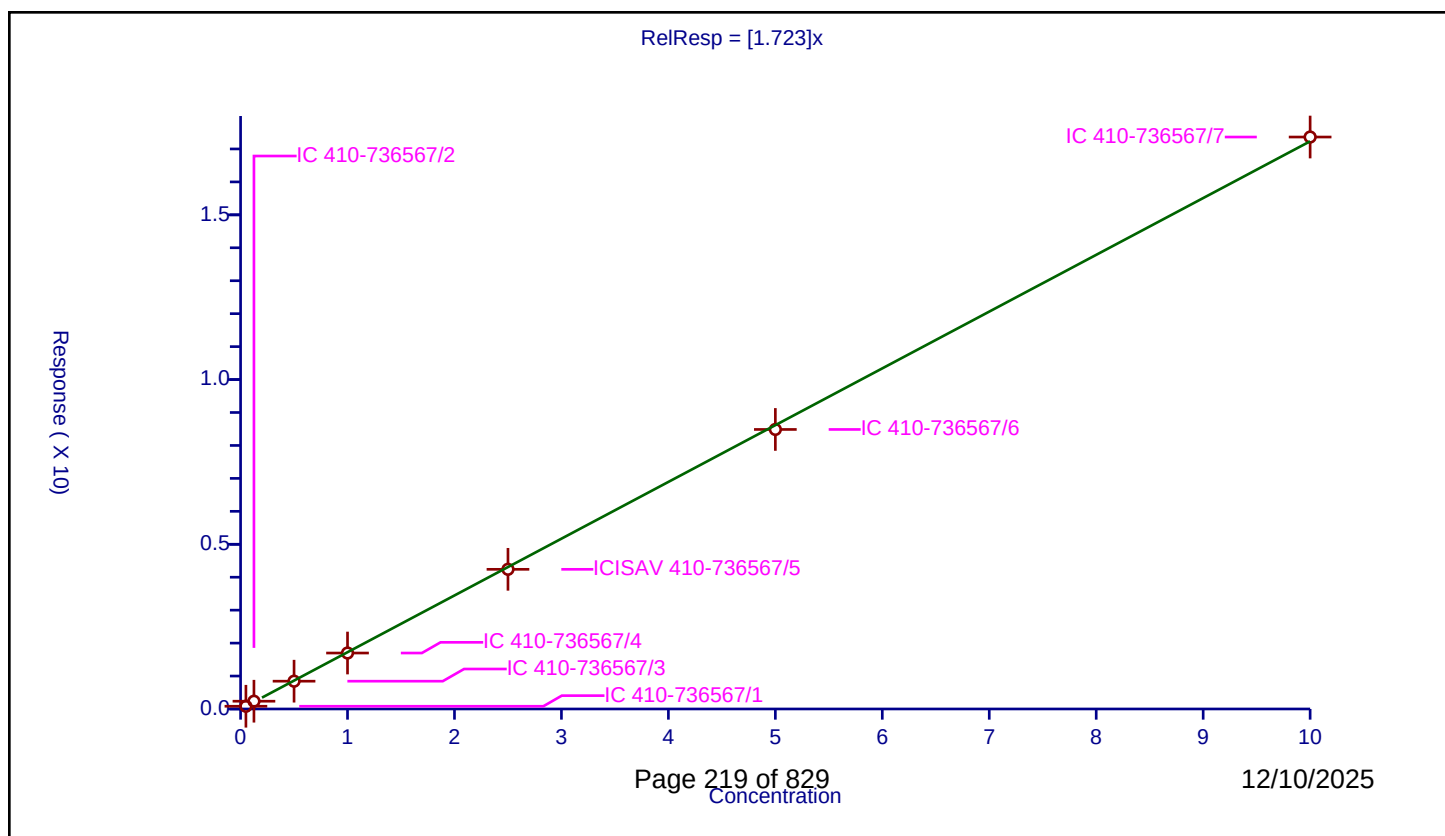
Curve Coefficients

Intercept: 0
Slope: 1.723

Error Coefficients

Relative Standard Deviation: 4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.05	0.083089	2.0	1440936.0	1.661781	Y
2	IC 410-736567/2	0.125	0.235696	2.0	1363688.0	1.885569	Y
3	IC 410-736567/3	0.5	0.843576	2.0	1421472.0	1.687152	Y
4	IC 410-736567/4	1.0	1.698739	2.0	1369942.0	1.698739	Y
5	ICISAV 410-736567/5	2.5	4.239955	2.0	1029203.0	1.695982	Y
6	IC 410-736567/6	5.0	8.485475	2.0	1390289.0	1.697095	Y
7	IC 410-736567/7	10.0	17.362164	2.0	1345073.0	1.736216	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

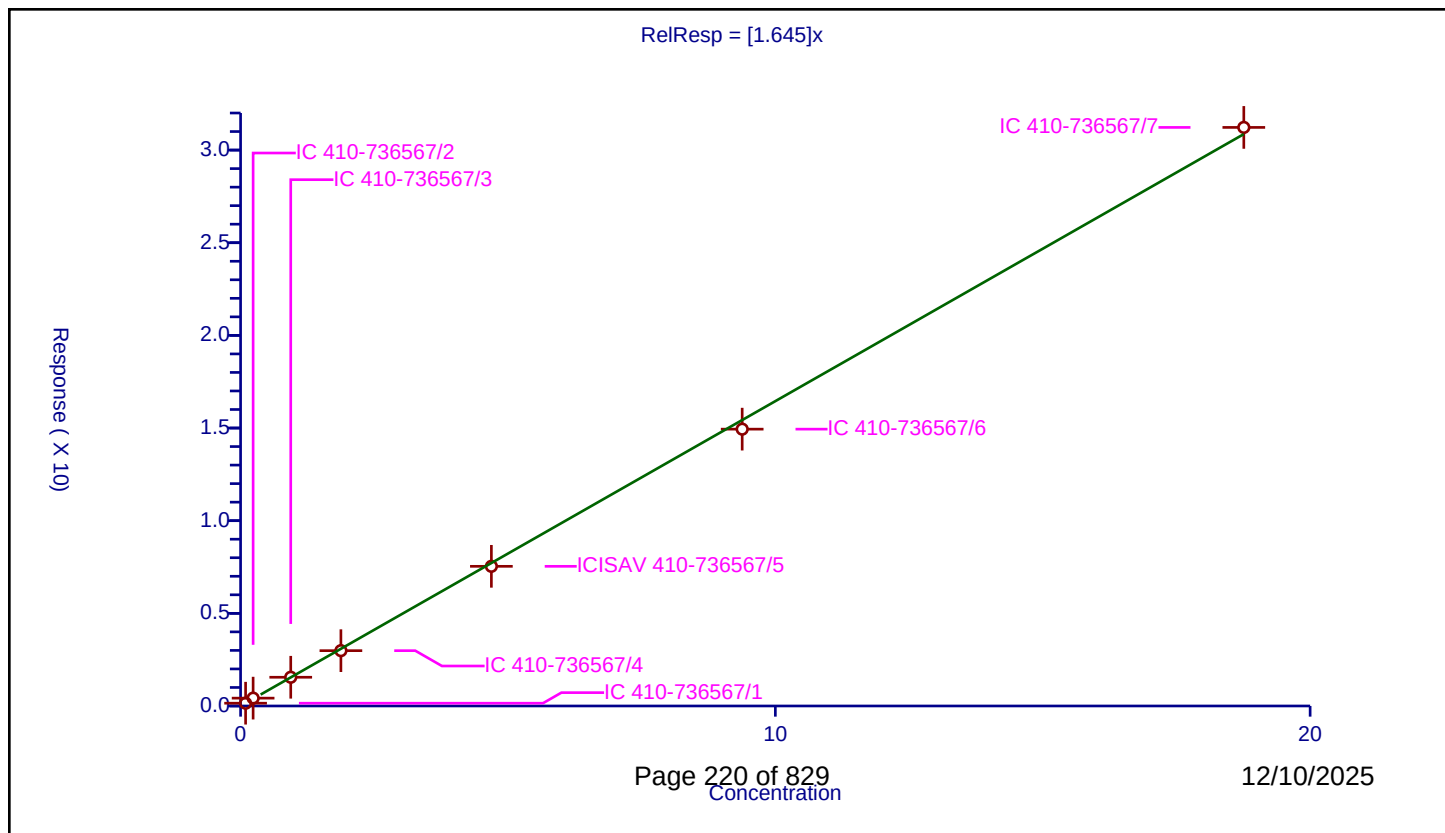
Curve Coefficients

Intercept: 0
Slope: 1.645

Error Coefficients

Relative Standard Deviation: 4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.0938	0.149949	4.69	912077.0	1.598604	Y
2	IC 410-736567/2	0.2345	0.423903	4.69	893816.0	1.807687	Y
3	IC 410-736567/3	0.938	1.55111	4.69	896186.0	1.653636	Y
4	IC 410-736567/4	1.876	2.985306	4.69	863236.0	1.591315	Y
5	ICISAV 410-736567/5	4.69	7.536721	4.69	633670.0	1.606977	Y
6	IC 410-736567/6	9.38	14.939732	4.69	845555.0	1.592722	Y
7	IC 410-736567/7	18.76	31.222951	4.69	750068.0	1.664336	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

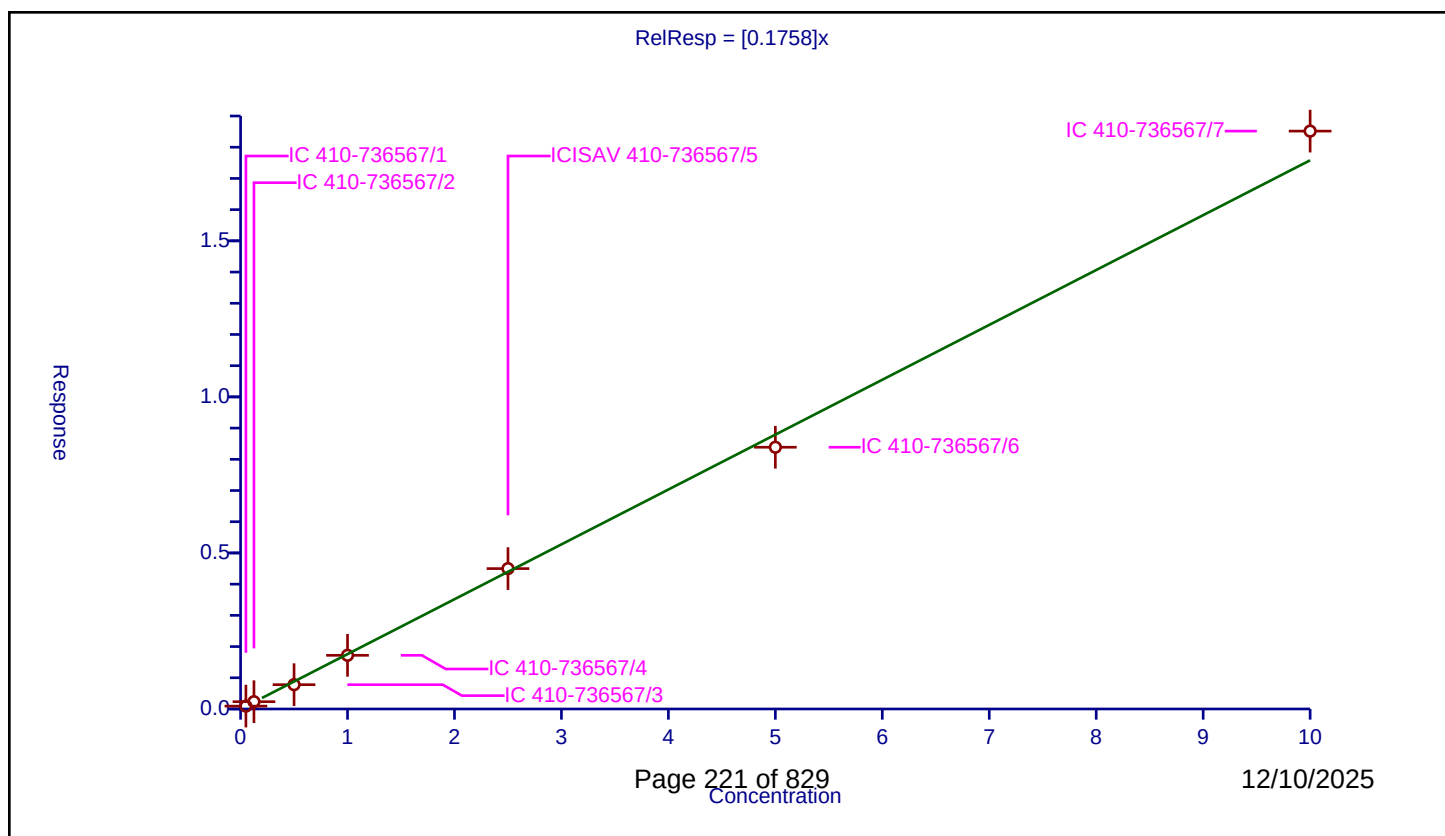
Curve Coefficients

Intercept: 0
Slope: 0.1758

Error Coefficients

Relative Standard Deviation: 6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.05	0.009148	2.0	1900764.0	0.182958	Y
2	IC 410-736567/2	0.125	0.023393	2.0	1941362.0	0.187143	Y
3	IC 410-736567/3	0.5	0.077878	2.0	1959670.0	0.155757	Y
4	IC 410-736567/4	1.0	0.171994	2.0	1902403.0	0.171994	Y
5	ICISAV 410-736567/5	2.5	0.4498	2.0	1389053.0	0.17992	Y
6	IC 410-736567/6	5.0	0.838719	2.0	1887800.0	0.167744	Y
7	IC 410-736567/7	10.0	1.851666	2.0	1854998.0	0.185167	Y



Calibration

/ Perfluorohexanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

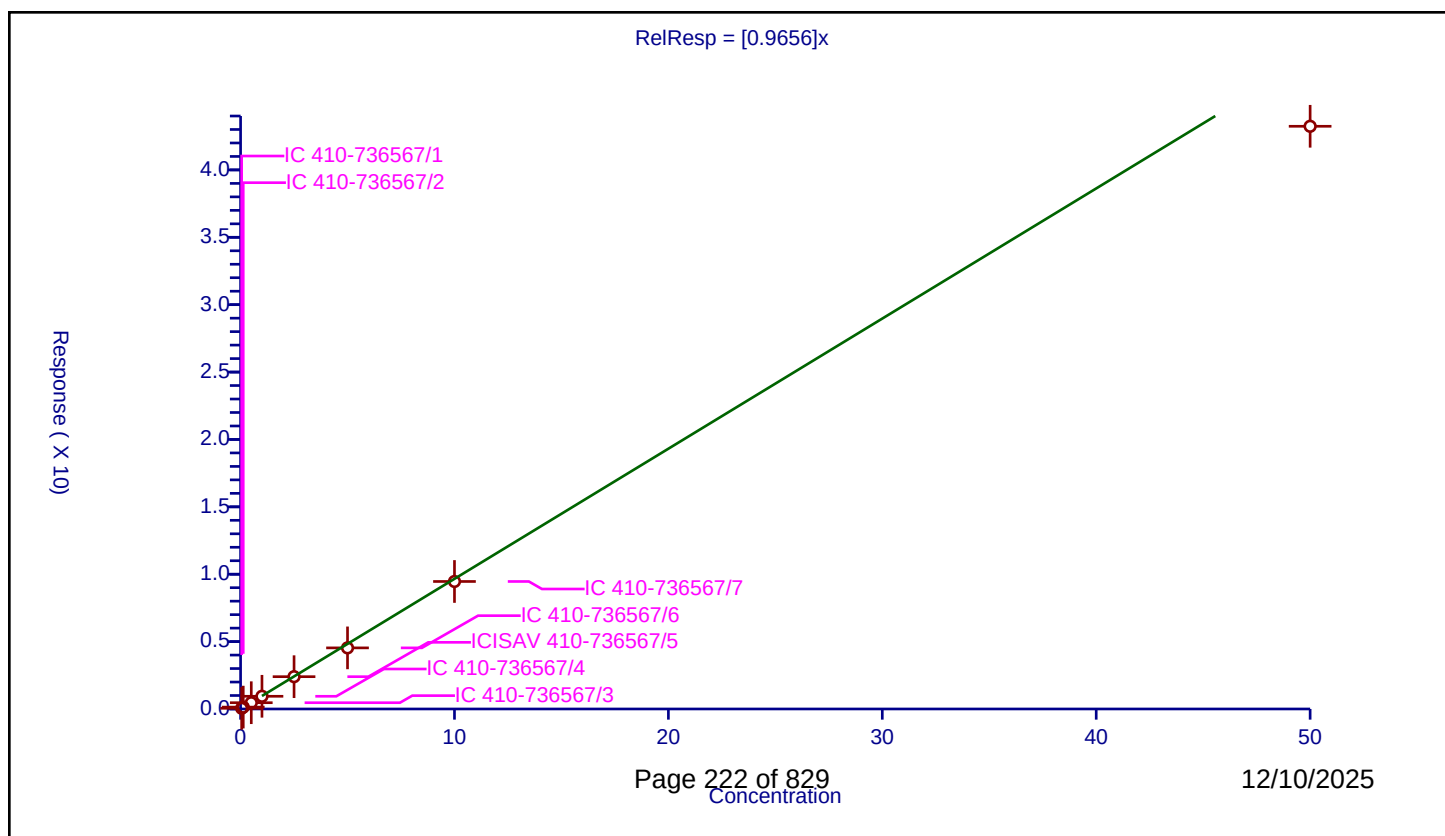
Curve Coefficients

Intercept: 0
Slope: 0.9656

Error Coefficients

Relative Standard Deviation: 8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.05	0.053303	2.0	1900764.0	1.066056	Y
2	IC 410-736567/2	0.125	0.138593	2.0	1941362.0	1.108747	Y
3	IC 410-736567/3	0.5	0.465472	2.0	1959670.0	0.930944	Y
4	IC 410-736567/4	1.0	0.94218	2.0	1902403.0	0.94218	Y
5	ICISAV 410-736567/5	2.5	2.398047	2.0	1389053.0	0.959219	Y
6	IC 410-736567/6	5.0	4.534553	2.0	1887800.0	0.906911	Y
7	IC 410-736567/7	10.0	9.462059	2.0	1854998.0	0.946206	Y
8	IC 410-736567/8	50.0	43.237938	2.0	1495538.0	0.864759	Y



Calibration

/ 5:3 FTCA

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

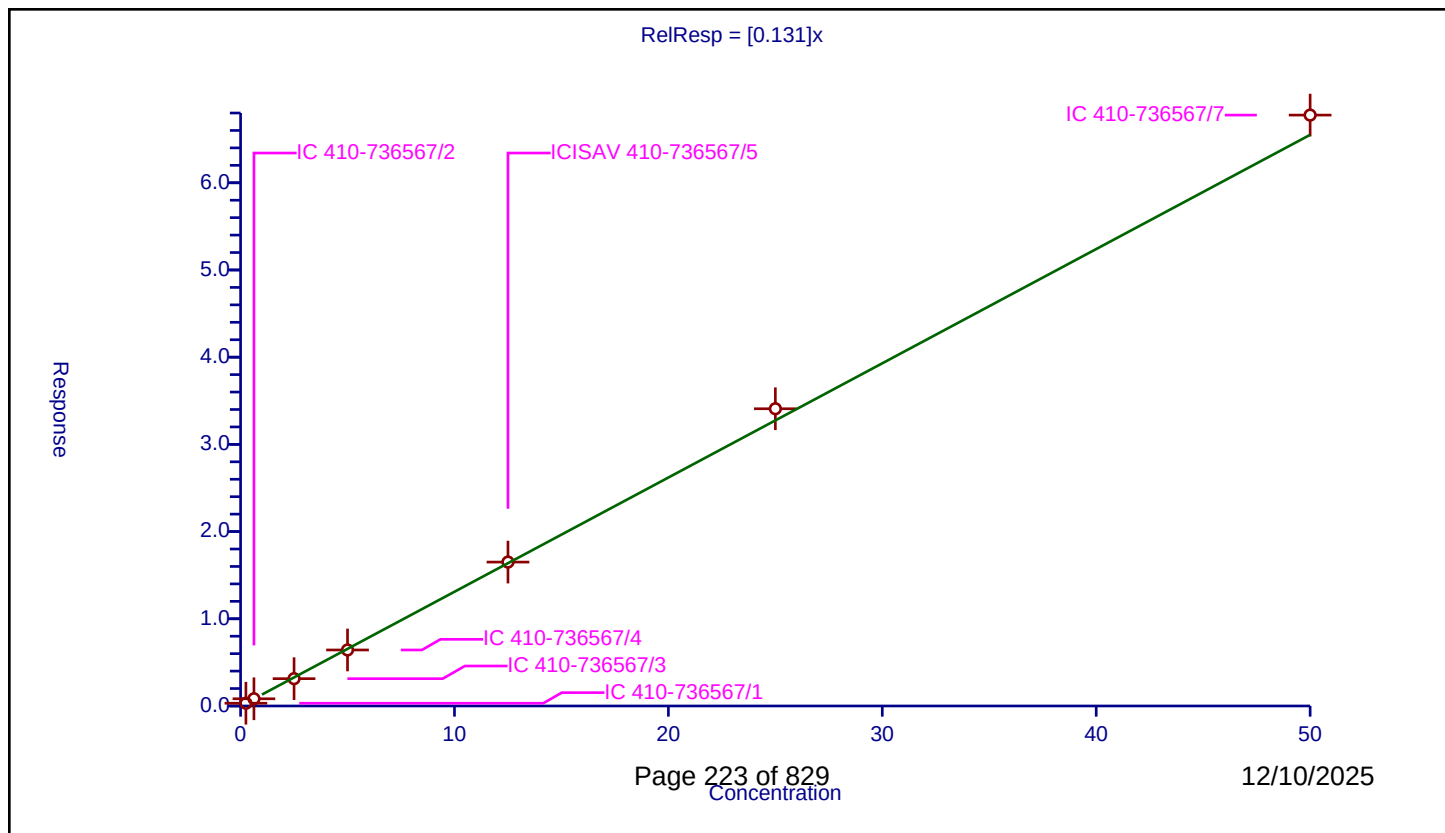
Curve Coefficients

Intercept: 0
Slope: 0.131

Error Coefficients

Relative Standard Deviation: 3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.25	0.031687	2.0	1900764.0	0.126749	Y
2	IC 410-736567/2	0.625	0.082833	2.0	1941362.0	0.132532	Y
3	IC 410-736567/3	2.5	0.313299	2.0	1959670.0	0.125319	Y
4	IC 410-736567/4	5.0	0.64237	2.0	1902403.0	0.128474	Y
5	ICISAV 410-736567/5	12.5	1.650313	2.0	1389053.0	0.132025	Y
6	IC 410-736567/6	25.0	3.408748	2.0	1887800.0	0.13635	Y
7	IC 410-736567/7	50.0	6.776088	2.0	1854998.0	0.135522	Y



Calibration

/ Perfluorobutanesulfonic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

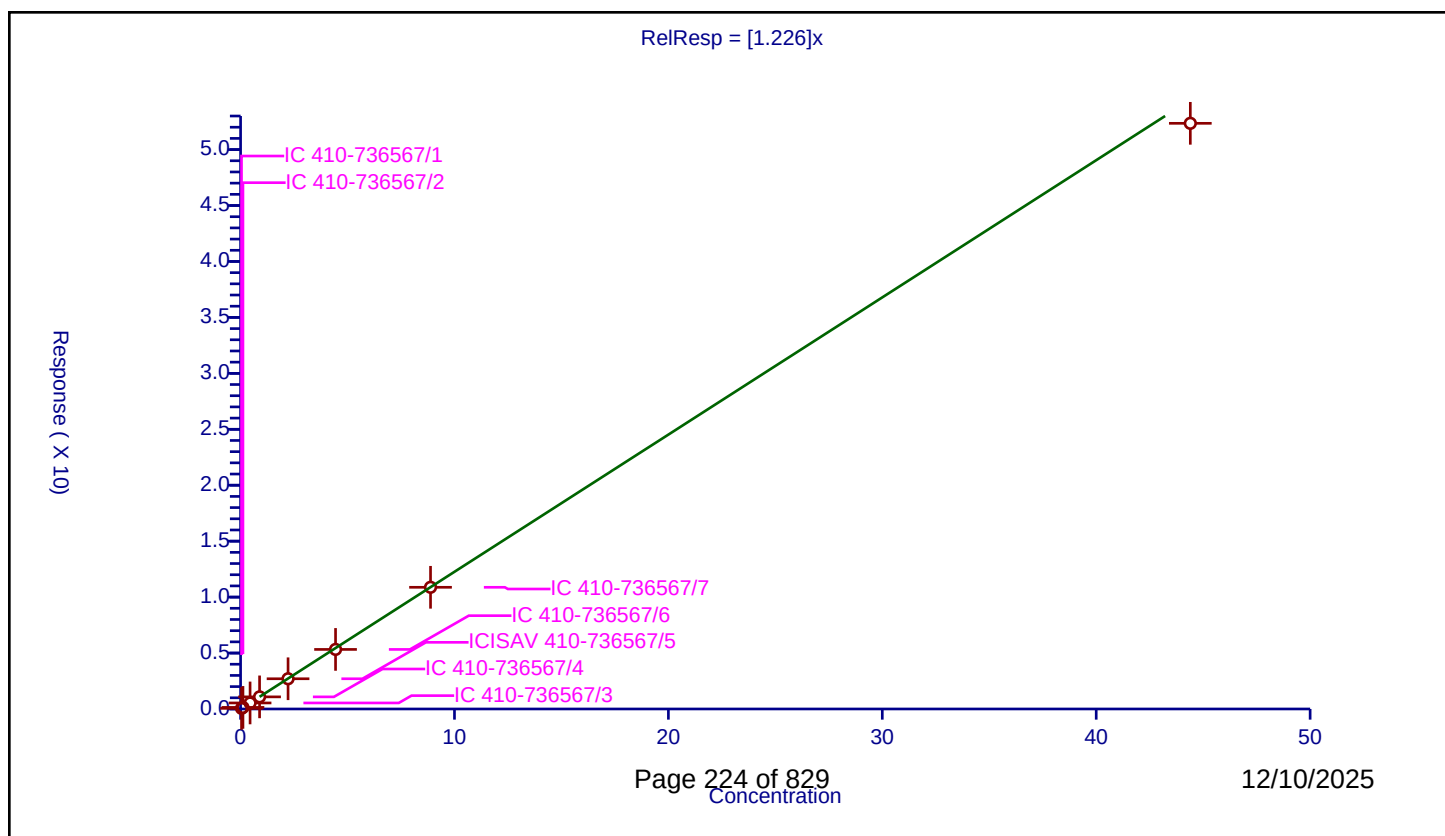
Curve Coefficients

Intercept: 0
Slope: 1.226

Error Coefficients

Relative Standard Deviation: 2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.0444	0.056164	1.864	1846465.0	1.264963	Y
2	IC 410-736567/2	0.111	0.14295	1.864	1777885.0	1.287839	Y
3	IC 410-736567/3	0.444	0.539907	1.864	1799989.0	1.216006	Y
4	IC 410-736567/4	0.888	1.084117	1.864	1741244.0	1.220852	Y
5	ICISAV 410-736567/5	2.22	2.702745	1.864	1313715.0	1.217453	Y
6	IC 410-736567/6	4.44	5.323205	1.864	1792435.0	1.19892	Y
7	IC 410-736567/7	8.88	10.877419	1.864	1679046.0	1.224935	Y
8	IC 410-736567/8	44.4	52.347597	1.864	1202530.0	1.179	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

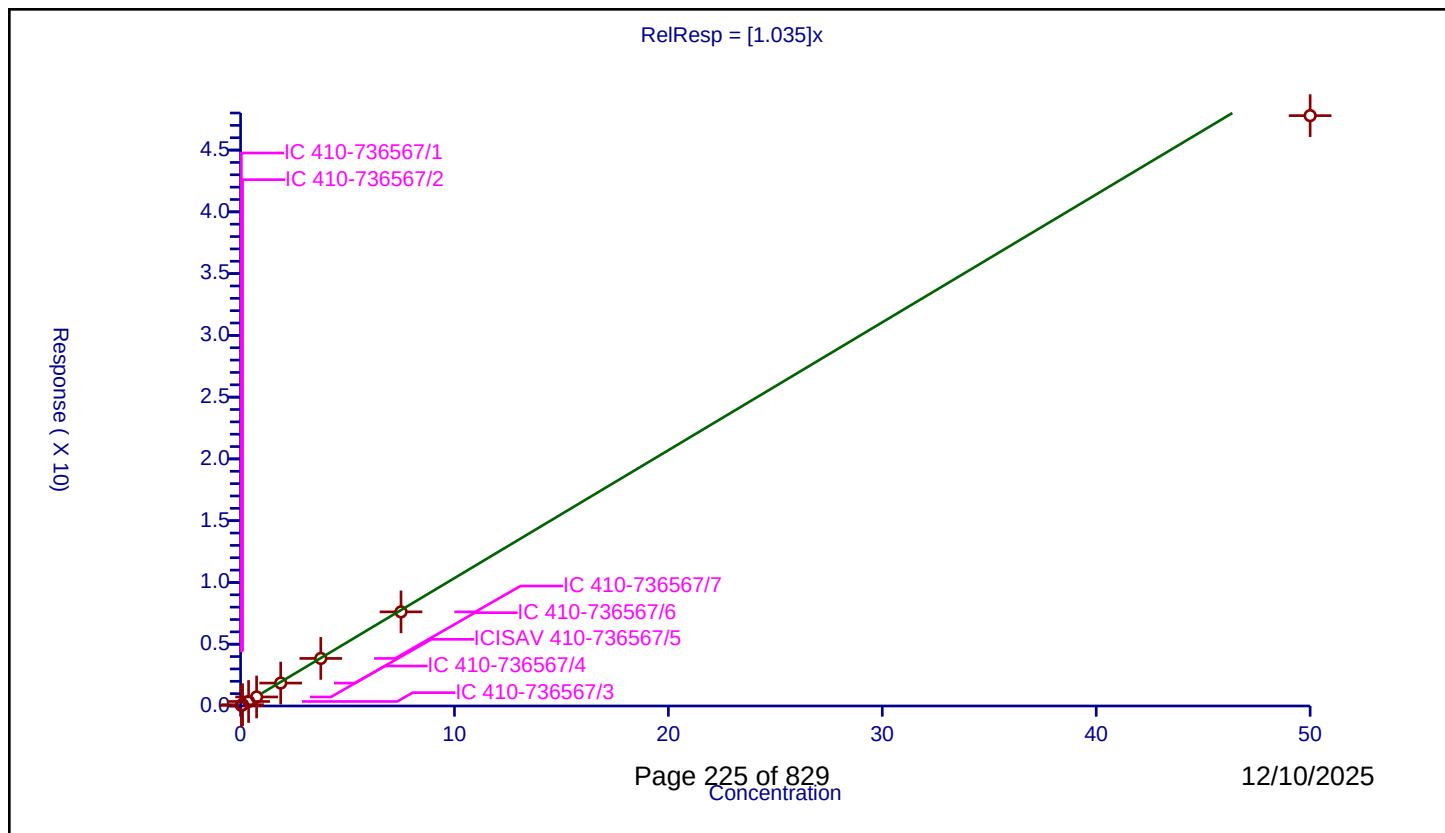
Curve Coefficients

Intercept: 0
Slope: 1.035

Error Coefficients

Relative Standard Deviation: 8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.0375	0.045724	2.0	1222673.0	1.219318	Y
2	IC 410-736567/2	0.09375	0.105611	2.0	1299670.0	1.126522	Y
3	IC 410-736567/3	0.375	0.364793	2.0	1307025.0	0.972782	Y
4	IC 410-736567/4	0.75	0.731612	2.0	1300952.0	0.975483	Y
5	ICISAV 410-736567/5	1.875	1.855478	2.0	1007179.0	0.989588	Y
6	IC 410-736567/6	3.75	3.850822	2.0	1295126.0	1.026886	Y
7	IC 410-736567/7	7.5	7.618281	2.0	1285391.0	1.015771	Y
8	IC 410-736567/8	50.0	47.788242	2.0	1087431.0	0.955765	Y



Calibration

/ FBSA

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

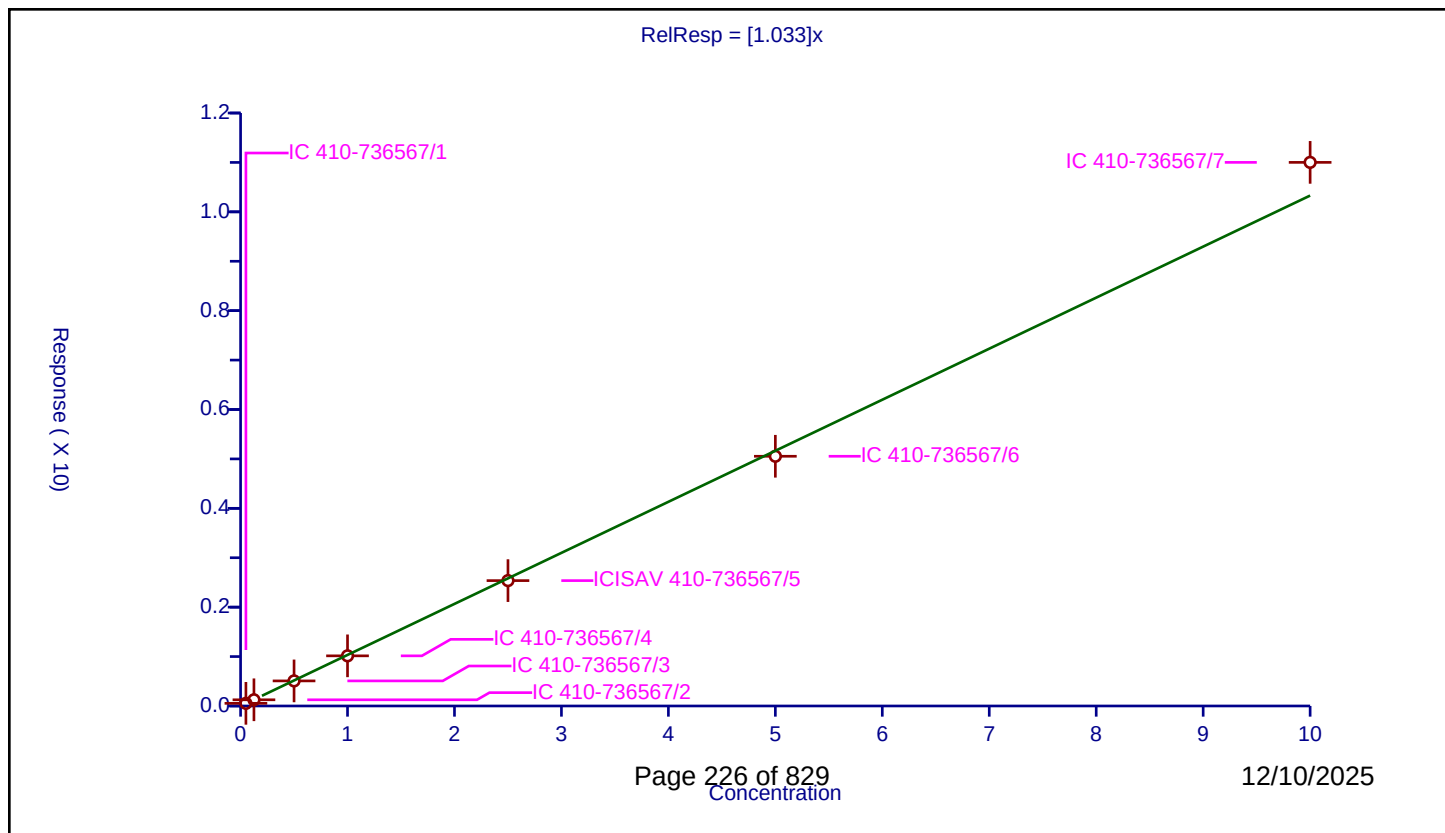
Curve Coefficients

Intercept: 0
Slope: 1.033

Error Coefficients

Relative Standard Deviation: 3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.05	0.053635	1.864	1846465.0	1.072691	Y
2	IC 410-736567/2	0.125	0.125304	1.864	1777885.0	1.002431	Y
3	IC 410-736567/3	0.5	0.507558	1.864	1799989.0	1.015116	Y
4	IC 410-736567/4	1.0	1.014552	1.864	1741244.0	1.014552	Y
5	ICISAV 410-736567/5	2.5	2.537146	1.864	1313715.0	1.014859	Y
6	IC 410-736567/6	5.0	5.053777	1.864	1792435.0	1.010755	Y
7	IC 410-736567/7	10.0	11.00093	1.864	1679046.0	1.100093	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

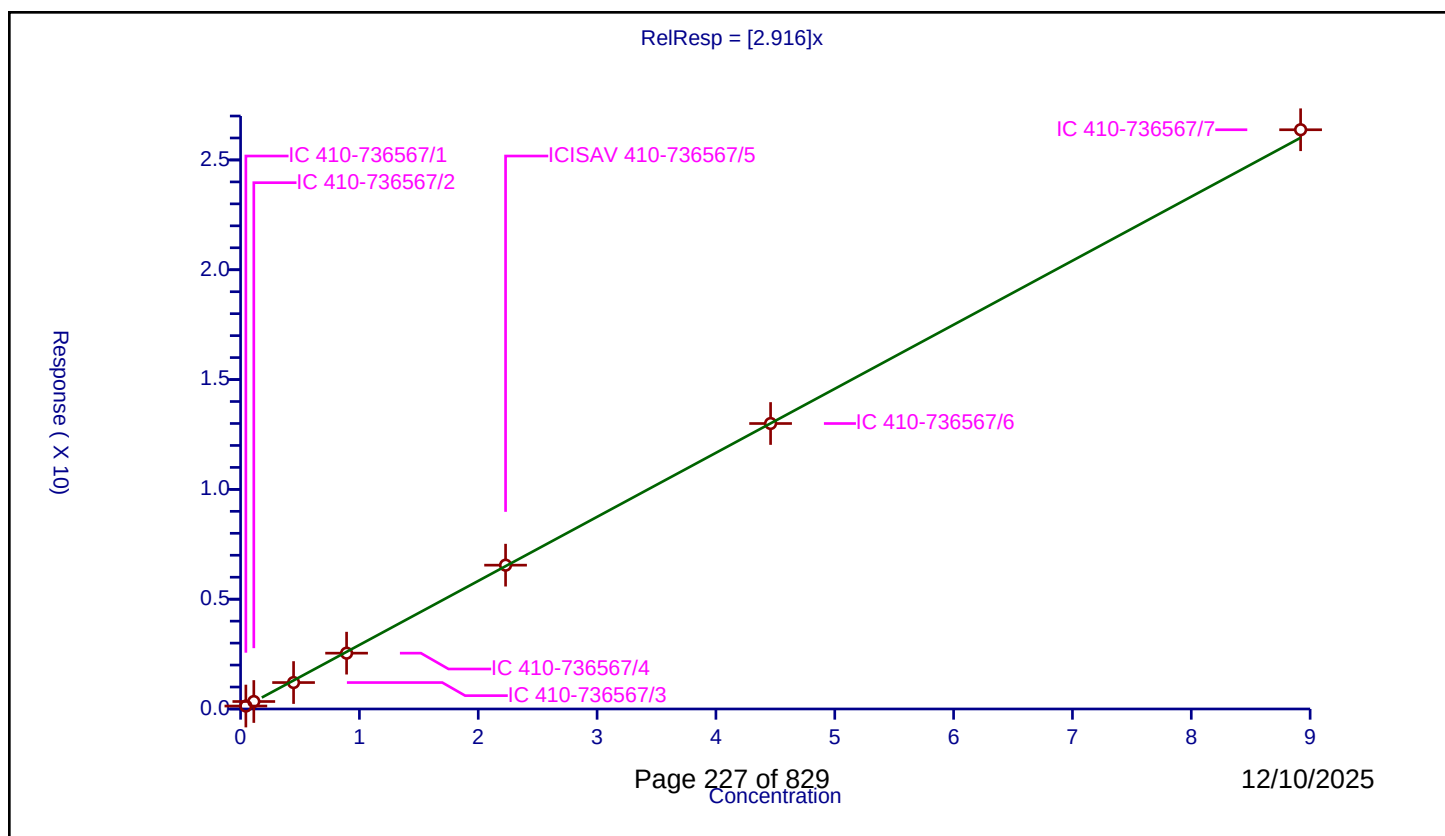
Curve Coefficients

Intercept: 0
Slope: 2.916

Error Coefficients

Relative Standard Deviation: 4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.0446	0.133678	2.0	1900764.0	2.997261	Y
2	IC 410-736567/2	0.1115	0.340947	2.0	1941362.0	3.057823	Y
3	IC 410-736567/3	0.446	1.203646	2.0	1959670.0	2.698757	Y
4	IC 410-736567/4	0.892	2.541913	2.0	1902403.0	2.849678	Y
5	ICISAV 410-736567/5	2.23	6.548336	2.0	1389053.0	2.936474	Y
6	IC 410-736567/6	4.46	12.999231	2.0	1887800.0	2.914626	Y
7	IC 410-736567/7	8.92	26.374942	2.0	1854998.0	2.956832	Y



Calibration

/ Perfluoroheptanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

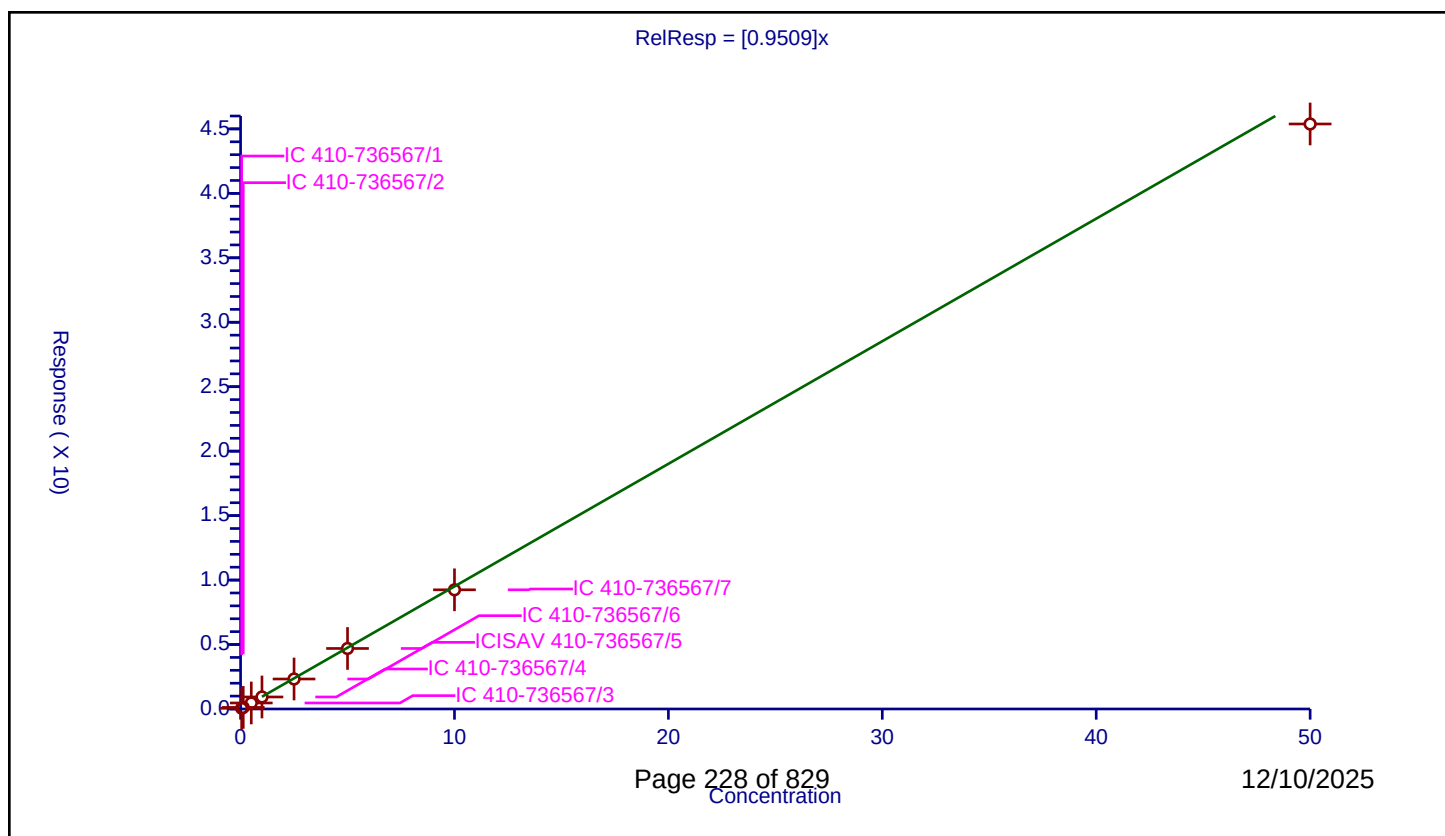
Curve Coefficients

Intercept: 0
Slope: 0.9509

Error Coefficients

Relative Standard Deviation: 5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.05	0.053801	2.0	1667924.0	1.07602	Y
2	IC 410-736567/2	0.125	0.120669	2.0	1666266.0	0.965349	Y
3	IC 410-736567/3	0.5	0.466632	2.0	1665231.0	0.933264	Y
4	IC 410-736567/4	1.0	0.931079	2.0	1651332.0	0.931079	Y
5	ICISAV 410-736567/5	2.5	2.326326	2.0	1201755.0	0.93053	Y
6	IC 410-736567/6	5.0	4.694805	2.0	1638984.0	0.938961	Y
7	IC 410-736567/7	10.0	9.245691	2.0	1545203.0	0.924569	Y
8	IC 410-736567/8	50.0	45.381959	2.0	1179384.0	0.907639	Y



Calibration

/ DONA

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

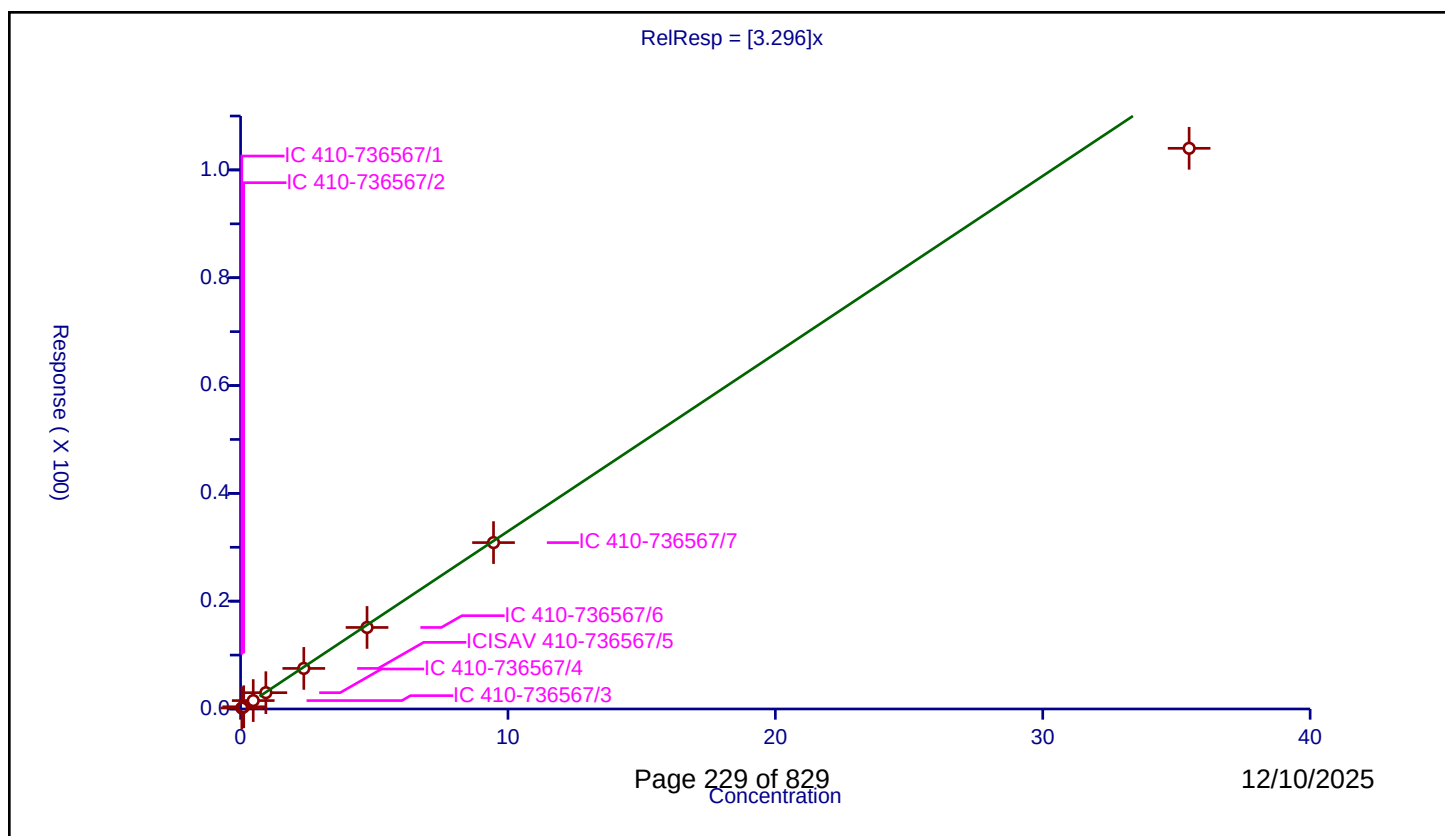
Curve Coefficients

Intercept: 0
Slope: 3.296

Error Coefficients

Relative Standard Deviation: 7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.0473	0.179461	2.0	1222673.0	3.794099	Y
2	IC 410-736567/2	0.11825	0.414478	2.0	1299670.0	3.505095	Y
3	IC 410-736567/3	0.473	1.558458	2.0	1307025.0	3.294838	Y
4	IC 410-736567/4	0.946	3.026854	2.0	1300952.0	3.199634	Y
5	ICISAV 410-736567/5	2.365	7.52563	2.0	1007179.0	3.182084	Y
6	IC 410-736567/6	4.73	15.124581	2.0	1295126.0	3.197586	Y
7	IC 410-736567/7	9.46	30.867266	2.0	1285391.0	3.262925	Y
8	IC 410-736567/8	35.475	104.010053	2.0	1087431.0	2.931925	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

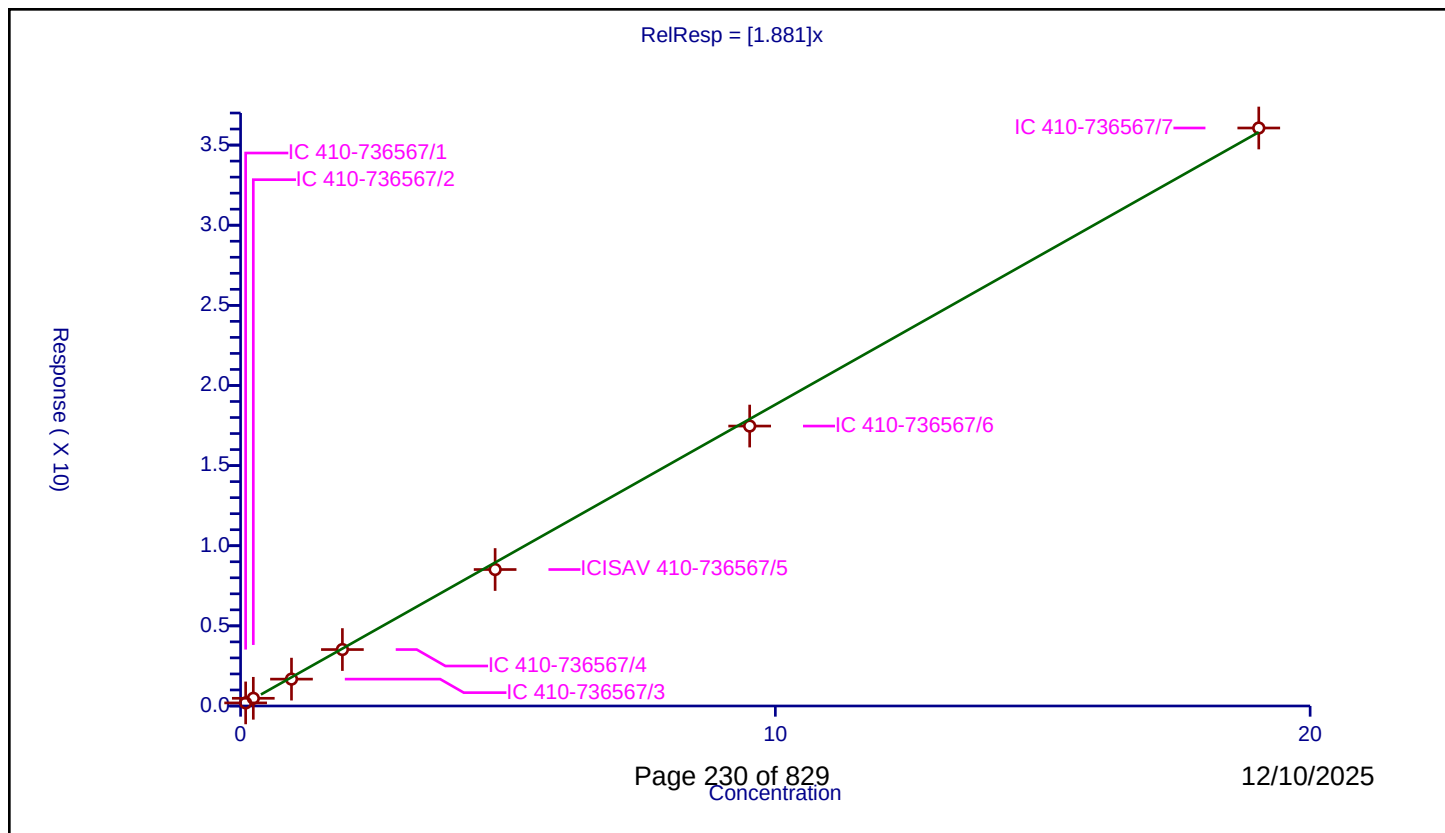
Curve Coefficients

Intercept: 0
 Slope: 1.881

Error Coefficients

Relative Standard Deviation: 5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.0952	0.192495	4.76	748636.0	2.022011	Y
2	IC 410-736567/2	0.238	0.47934	4.76	716602.0	2.014033	Y
3	IC 410-736567/3	0.952	1.675586	4.76	733505.0	1.76007	Y
4	IC 410-736567/4	1.904	3.521192	4.76	670488.0	1.849366	Y
5	ICISAV 410-736567/5	4.76	8.515831	4.76	490520.0	1.78904	Y
6	IC 410-736567/6	9.52	17.46781	4.76	586024.0	1.834854	Y
7	IC 410-736567/7	19.04	36.064923	4.76	512010.0	1.894166	Y



Calibration

/ Perfluoropentanesulfonic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

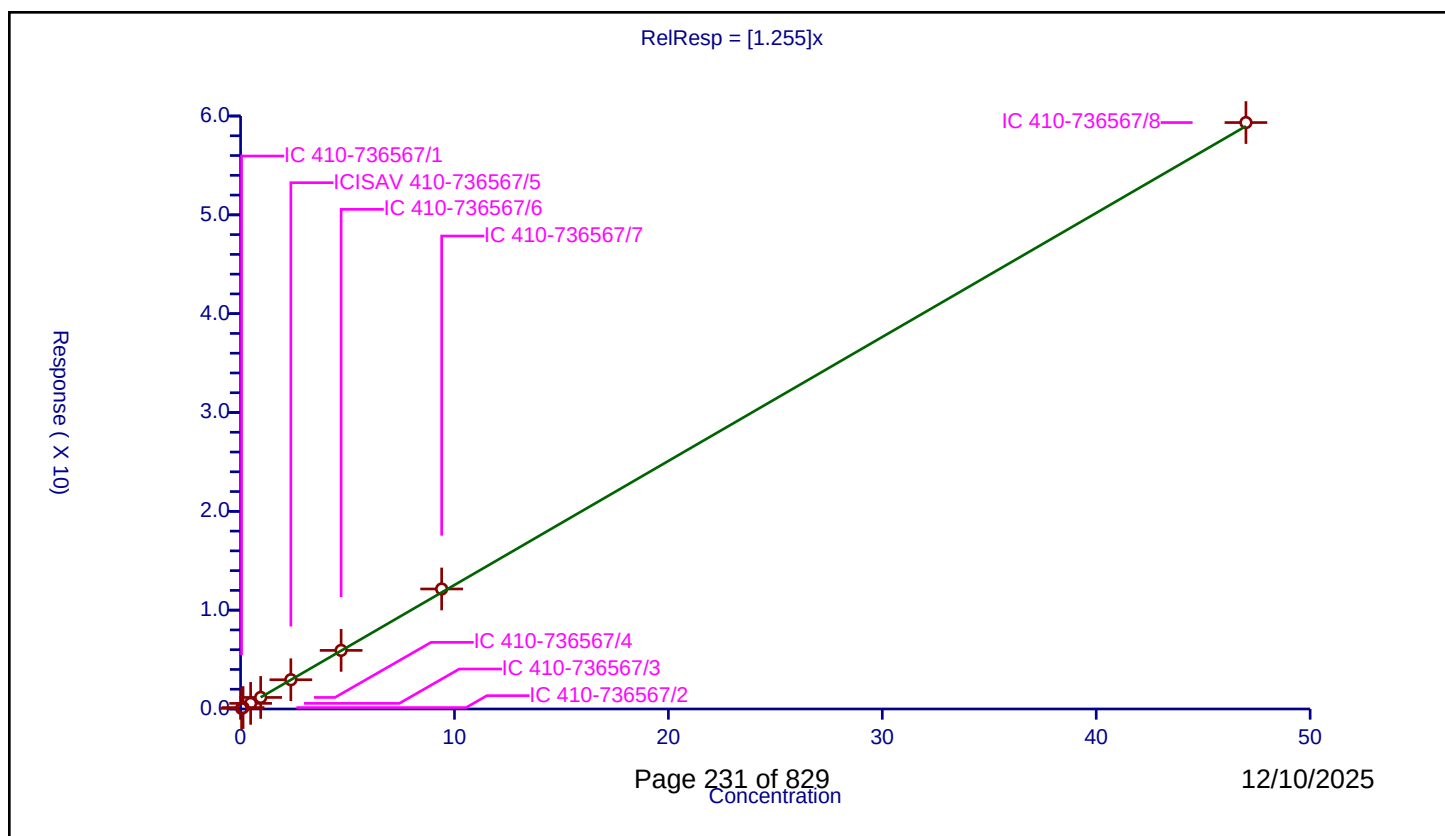
Curve Coefficients

Intercept: 0
Slope: 1.255

Error Coefficients

Relative Standard Deviation: 2.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.047	0.060088	1.896	1350302.0	1.278476	Y
2	IC 410-736567/2	0.1175	0.144471	1.896	1301100.0	1.229541	Y
3	IC 410-736567/3	0.47	0.568661	1.896	1346336.0	1.209917	Y
4	IC 410-736567/4	0.94	1.170973	1.896	1302653.0	1.245716	Y
5	ICISAV 410-736567/5	2.35	2.957491	1.896	968408.0	1.258507	Y
6	IC 410-736567/6	4.7	5.930674	1.896	1311200.0	1.261846	Y
7	IC 410-736567/7	9.4	12.143628	1.896	1262599.0	1.291875	Y
8	IC 410-736567/8	47.0	59.33782	1.896	957929.0	1.262507	Y



Calibration

/ bis(trifluoromethane)sulfonimide

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

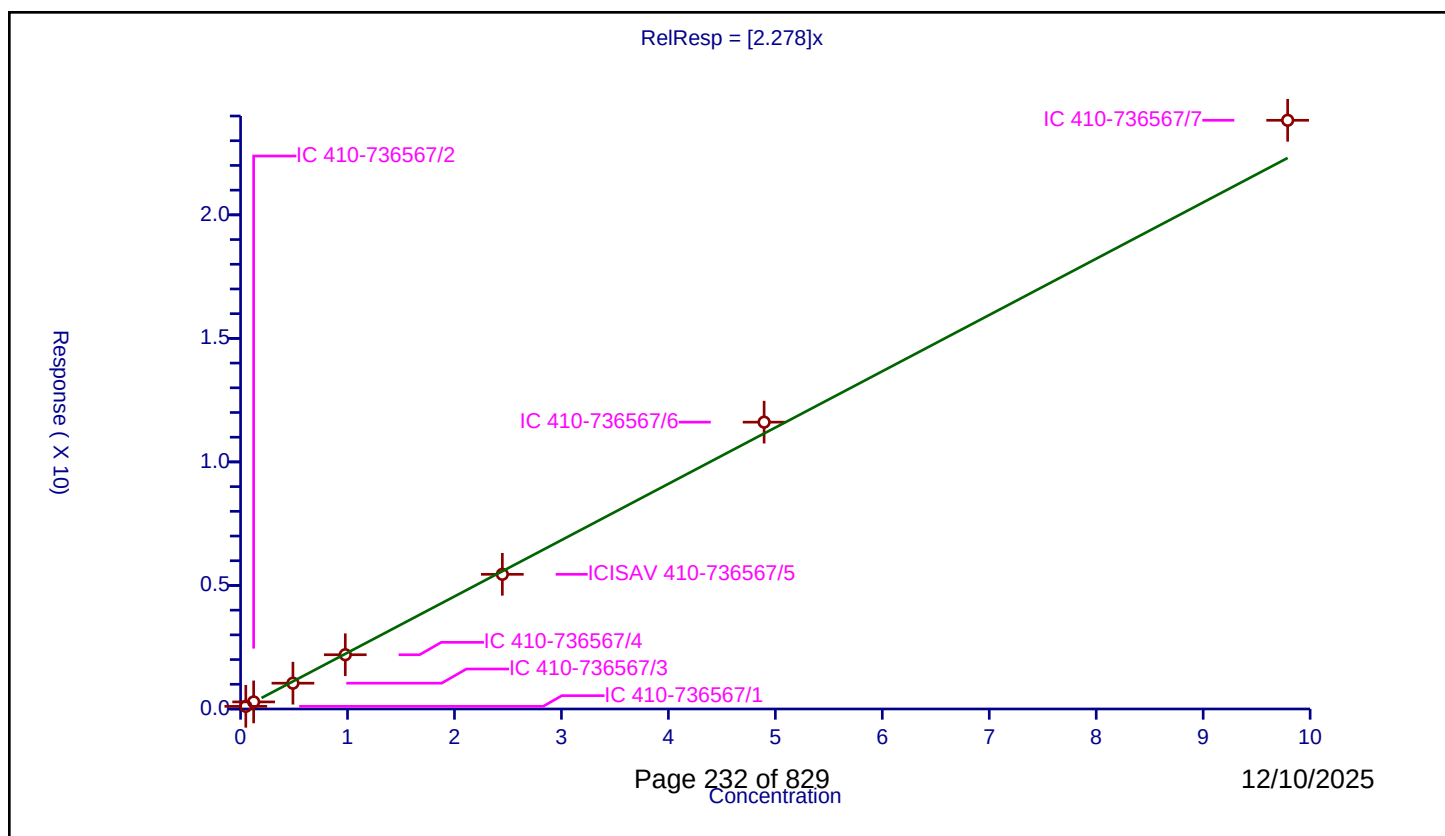
Curve Coefficients

Intercept: 0
Slope: 2.278

Error Coefficients

Relative Standard Deviation: 4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.04895	0.107329	1.896	1350302.0	2.192623	Y
2	IC 410-736567/2	0.122375	0.286949	1.896	1301100.0	2.344831	Y
3	IC 410-736567/3	0.4895	1.044037	1.896	1346336.0	2.132864	Y
4	IC 410-736567/4	0.979	2.195914	1.896	1302653.0	2.243018	Y
5	ICISAV 410-736567/5	2.4475	5.451284	1.896	968408.0	2.227287	Y
6	IC 410-736567/6	4.895	11.610069	1.896	1311200.0	2.371822	Y
7	IC 410-736567/7	9.79	23.8274	1.896	1262599.0	2.433851	Y



Calibration

/ Perfluorooctanoic acid

Curve Type: Linear
Weighting: Conc_Sq
Origin: None
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

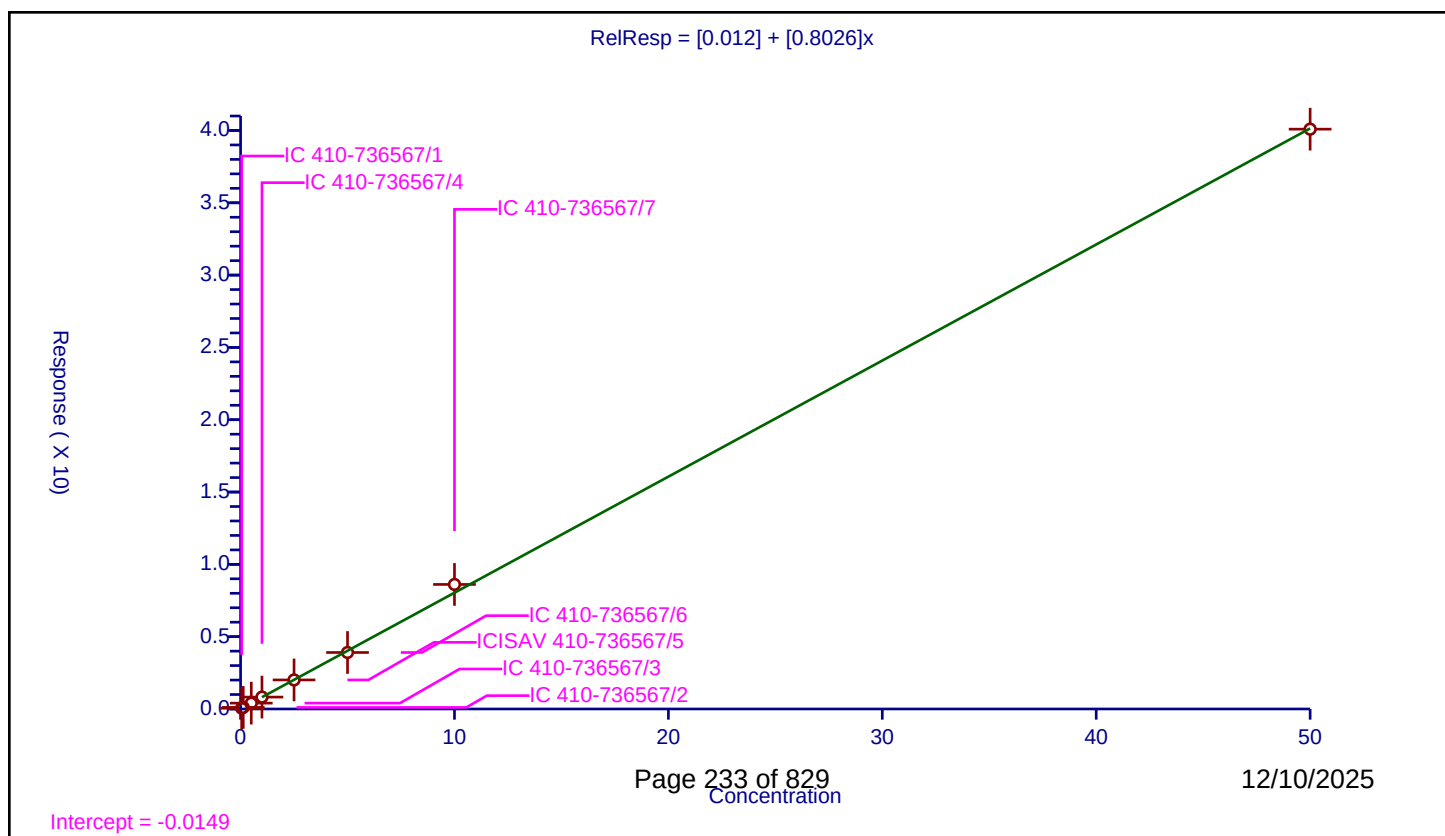
Curve Coefficients

Intercept: 0.012
Slope: 0.8026

Error Coefficients

Relative Standard Deviation: 3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.05	0.052886	2.0	2082620.0	1.057725	Y
2	IC 410-736567/2	0.125	0.108006	2.0	1954615.0	0.864047	Y
3	IC 410-736567/3	0.5	0.404272	2.0	1946607.0	0.808543	Y
4	IC 410-736567/4	1.0	0.823183	2.0	1984320.0	0.823183	Y
5	ICISAV 410-736567/5	2.5	2.008932	2.0	1451241.0	0.803573	Y
6	IC 410-736567/6	5.0	3.906548	2.0	1972477.0	0.78131	Y
7	IC 410-736567/7	10.0	8.610998	2.0	1864756.0	0.8611	Y
8	IC 410-736567/8	50.0	40.090276	2.0	1610975.0	0.801806	Y



Calibration

/ 7:3 FTCA

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

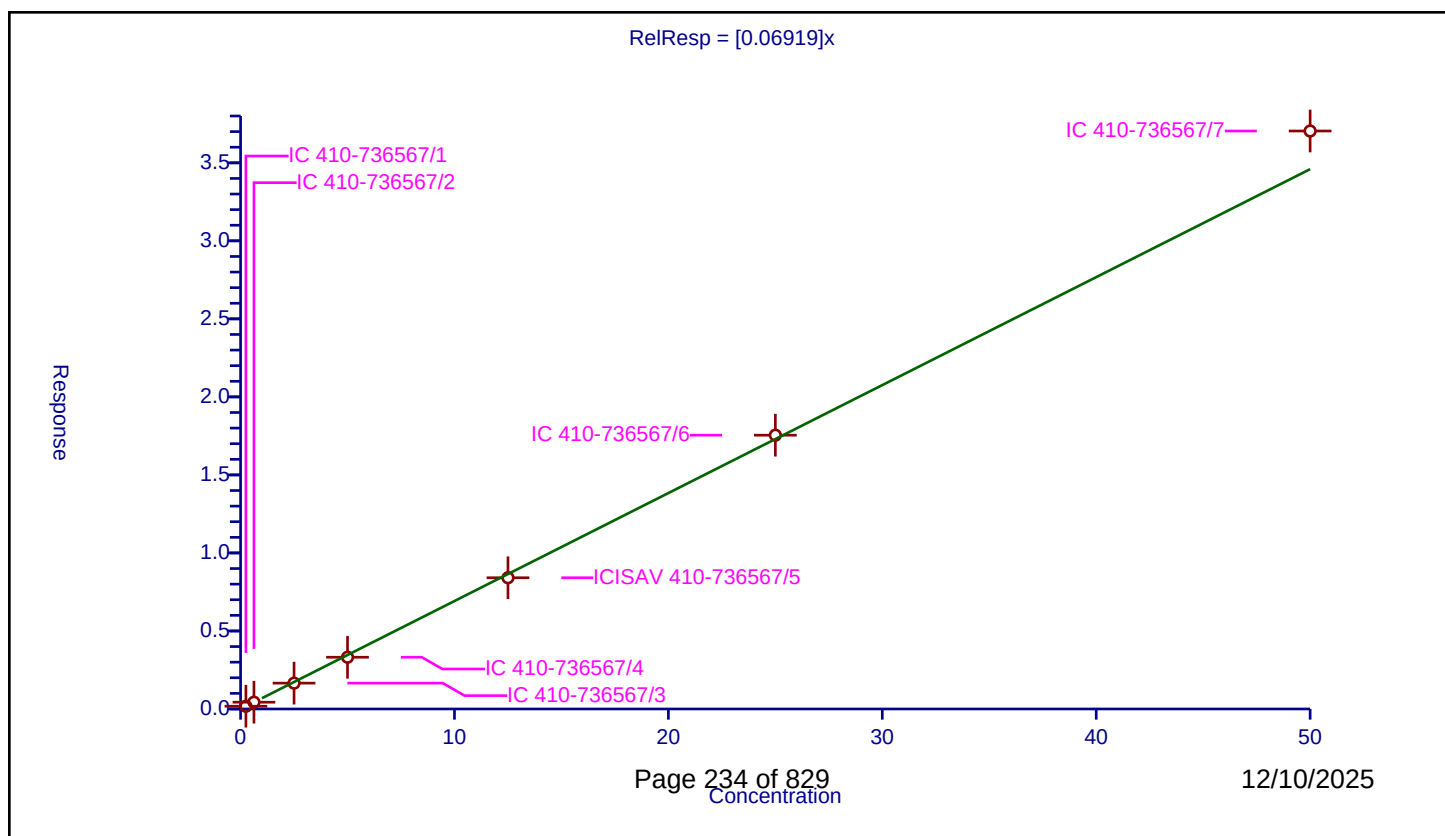
Curve Coefficients

Intercept: 0
 Slope: 0.06919

Error Coefficients

Relative Standard Deviation: 4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.25	0.017676	2.0	1900764.0	0.070704	Y
2	IC 410-736567/2	0.625	0.04344	2.0	1941362.0	0.069503	Y
3	IC 410-736567/3	2.5	0.165606	2.0	1959670.0	0.066243	Y
4	IC 410-736567/4	5.0	0.331616	2.0	1902403.0	0.066323	Y
5	ICISAV 410-736567/5	12.5	0.84097	2.0	1389053.0	0.067278	Y
6	IC 410-736567/6	25.0	1.754534	2.0	1887800.0	0.070181	Y
7	IC 410-736567/7	50.0	3.703878	2.0	1854998.0	0.074078	Y



Calibration

/ Perfluorohexanesulfonic acid

Curve Type: Linear
Weighting: Conc_Sq
Origin: None
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

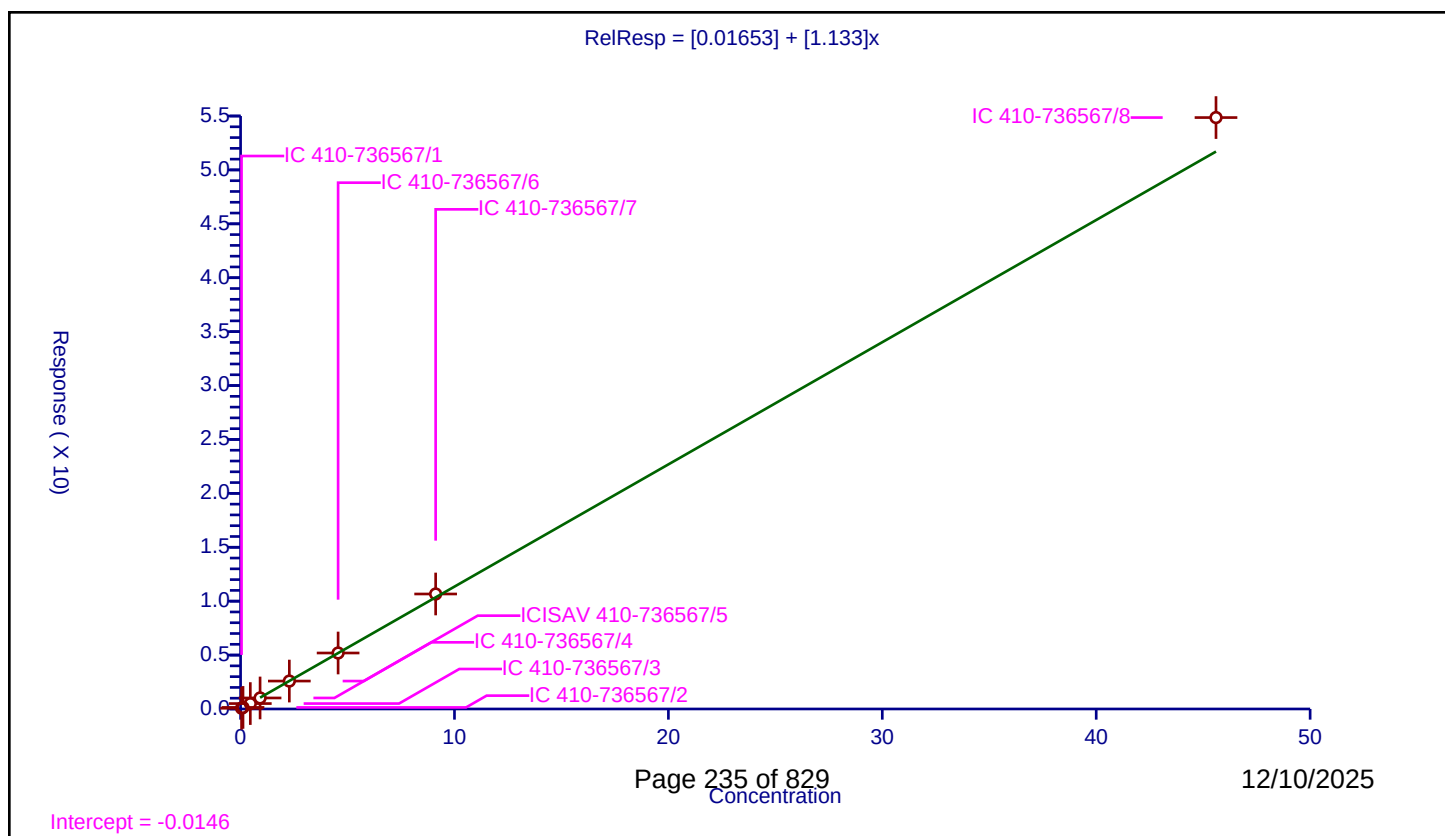
Curve Coefficients

Intercept: 0.01653
Slope: 1.133

Error Coefficients

Relative Standard Deviation: 4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.0456	0.06887	1.896	1350302.0	1.510302	Y
2	IC 410-736567/2	0.114	0.143992	1.896	1301100.0	1.263085	Y
3	IC 410-736567/3	0.456	0.502368	1.896	1346336.0	1.101684	Y
4	IC 410-736567/4	0.912	1.021548	1.896	1302653.0	1.120119	Y
5	ICISAV 410-736567/5	2.28	2.589812	1.896	968408.0	1.135882	Y
6	IC 410-736567/6	4.56	5.193919	1.896	1311200.0	1.139017	Y
7	IC 410-736567/7	9.12	10.665914	1.896	1262599.0	1.169508	Y
8	IC 410-736567/8	45.6	54.856521	1.896	957929.0	1.202994	Y



Calibration

/ Perfluorononanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

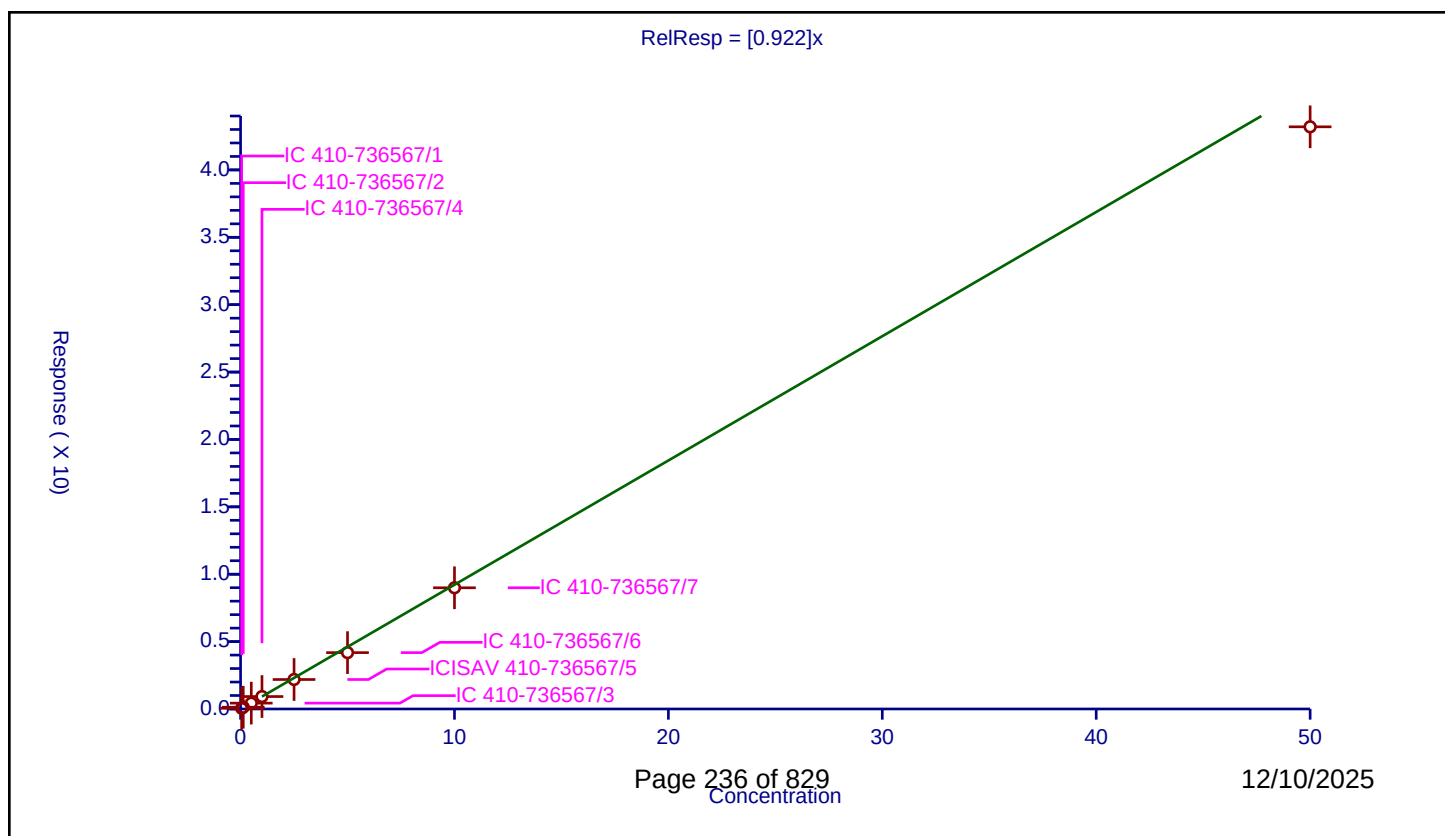
Curve Coefficients

Intercept: 0
Slope: 0.922

Error Coefficients

Relative Standard Deviation: 9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.05	0.052868	2.0	1820887.0	1.057353	Y
2	IC 410-736567/2	0.125	0.131259	2.0	1745453.0	1.05007	Y
3	IC 410-736567/3	0.5	0.434953	2.0	1832501.0	0.869906	Y
4	IC 410-736567/4	1.0	0.923605	2.0	1778873.0	0.923605	Y
5	ICISAV 410-736567/5	2.5	2.188183	2.0	1301733.0	0.875273	Y
6	IC 410-736567/6	5.0	4.181204	2.0	1830420.0	0.836241	Y
7	IC 410-736567/7	10.0	8.994635	2.0	1738600.0	0.899463	Y
8	IC 410-736567/8	50.0	43.197921	2.0	1414128.0	0.863958	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

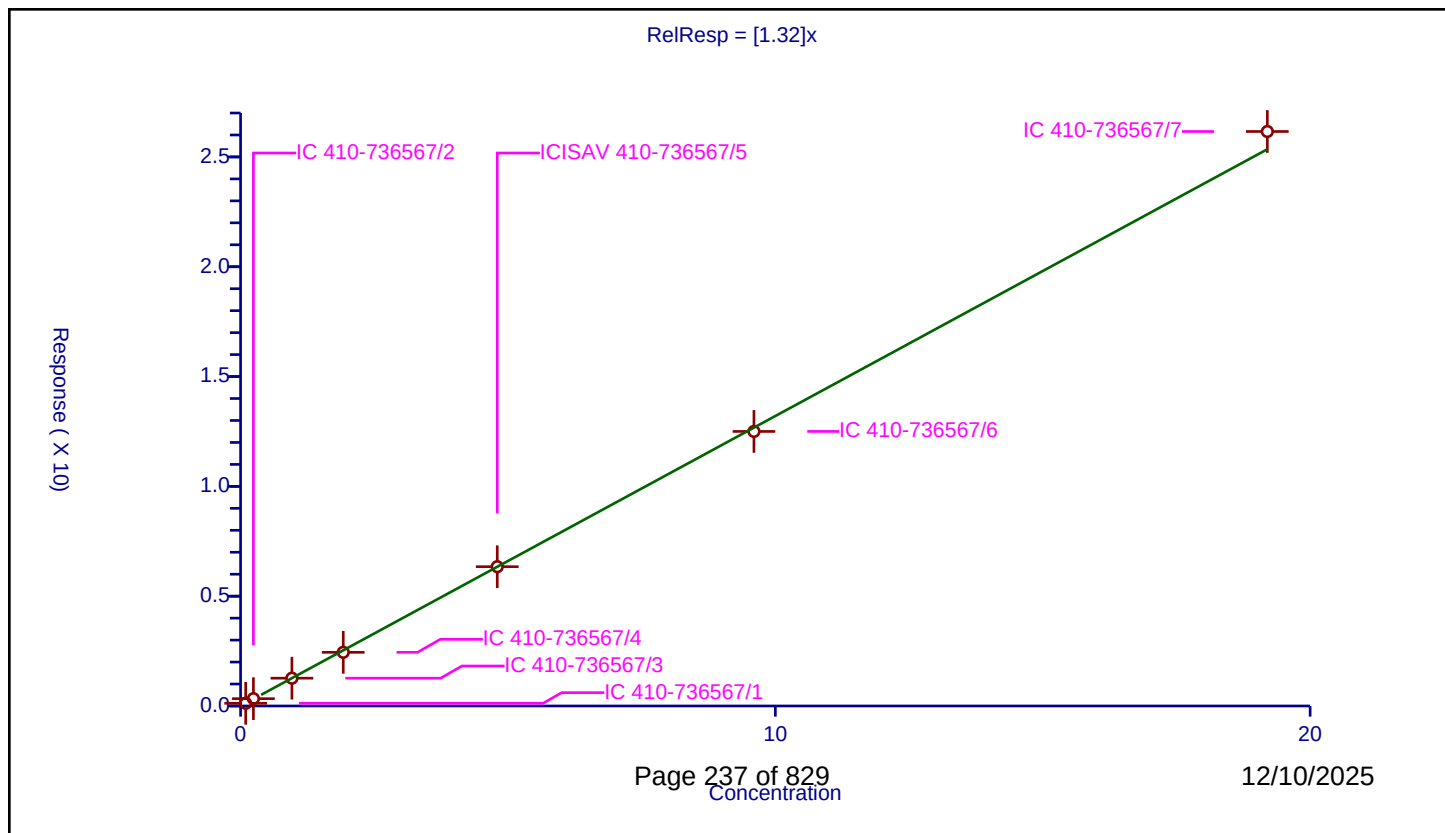
Curve Coefficients

Intercept: 0
Slope: 1.32

Error Coefficients

Relative Standard Deviation: 3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.096	0.122637	4.8	937363.0	1.277467	Y
2	IC 410-736567/2	0.24	0.332968	4.8	833752.0	1.387367	Y
3	IC 410-736567/3	0.96	1.265386	4.8	888393.0	1.31811	Y
4	IC 410-736567/4	1.92	2.444192	4.8	846668.0	1.273017	Y
5	ICISAV 410-736567/5	4.8	6.342788	4.8	577056.0	1.321414	Y
6	IC 410-736567/6	9.6	12.501539	4.8	788847.0	1.302244	Y
7	IC 410-736567/7	19.2	26.158043	4.8	732675.0	1.362398	Y



Calibration

/ PFECHS

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

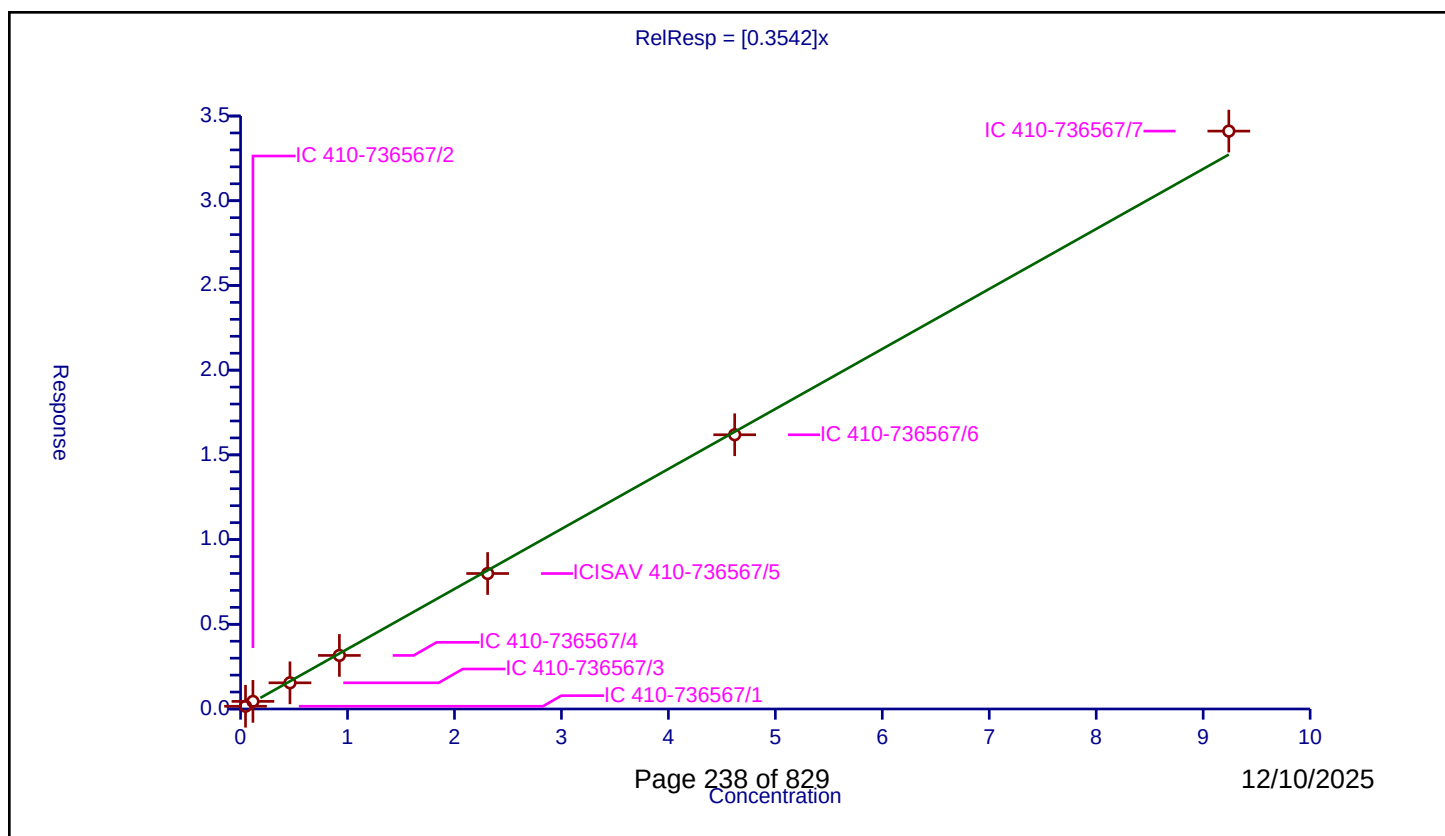
Curve Coefficients

Intercept: 0
Slope: 0.3542

Error Coefficients

Relative Standard Deviation: 5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.0462	0.016076	1.896	1350302.0	0.347963	Y
2	IC 410-736567/2	0.1155	0.044915	1.896	1301100.0	0.388872	Y
3	IC 410-736567/3	0.462	0.154507	1.896	1346336.0	0.33443	Y
4	IC 410-736567/4	0.924	0.316188	1.896	1302653.0	0.342195	Y
5	ICISAV 410-736567/5	2.31	0.799738	1.896	968408.0	0.346207	Y
6	IC 410-736567/6	4.62	1.618681	1.896	1311200.0	0.350364	Y
7	IC 410-736567/7	9.24	3.410926	1.896	1262599.0	0.369148	Y



Calibration

/ Perfluoroheptanesulfonic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

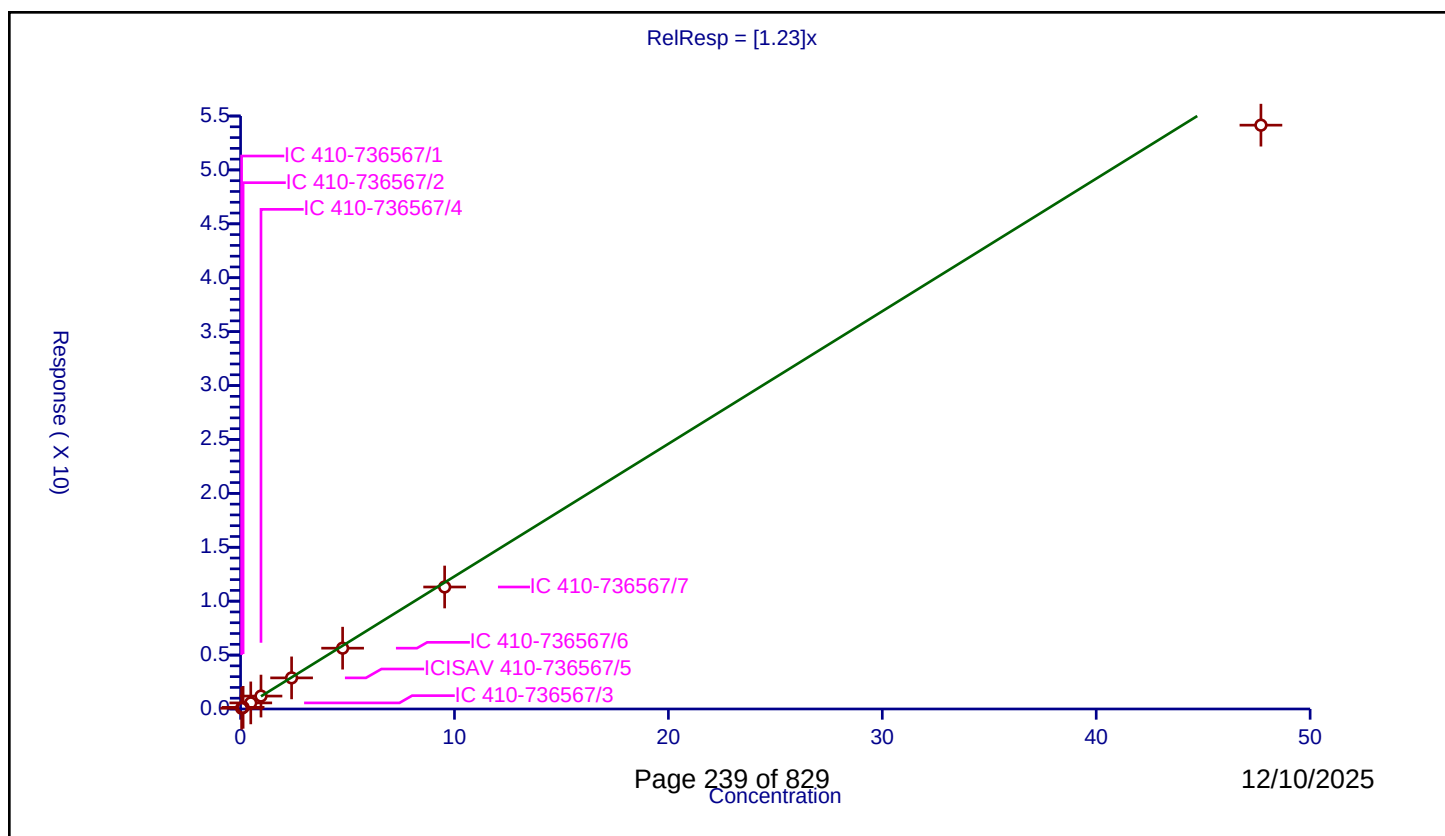
Curve Coefficients

Intercept: 0
Slope: 1.23

Error Coefficients

Relative Standard Deviation: 7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.0477	0.067689	1.916	1337603.0	1.41905	Y
2	IC 410-736567/2	0.11925	0.15094	1.916	1305112.0	1.265744	Y
3	IC 410-736567/3	0.477	0.564917	1.916	1357710.0	1.184313	Y
4	IC 410-736567/4	0.954	1.19844	1.916	1288694.0	1.256226	Y
5	ICISAV 410-736567/5	2.385	2.884601	1.916	987914.0	1.209476	Y
6	IC 410-736567/6	4.77	5.639395	1.916	1336106.0	1.182263	Y
7	IC 410-736567/7	9.54	11.313424	1.916	1258462.0	1.185894	Y
8	IC 410-736567/8	47.7	54.150867	1.916	974602.0	1.135238	Y



Calibration

/ FHxSA

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

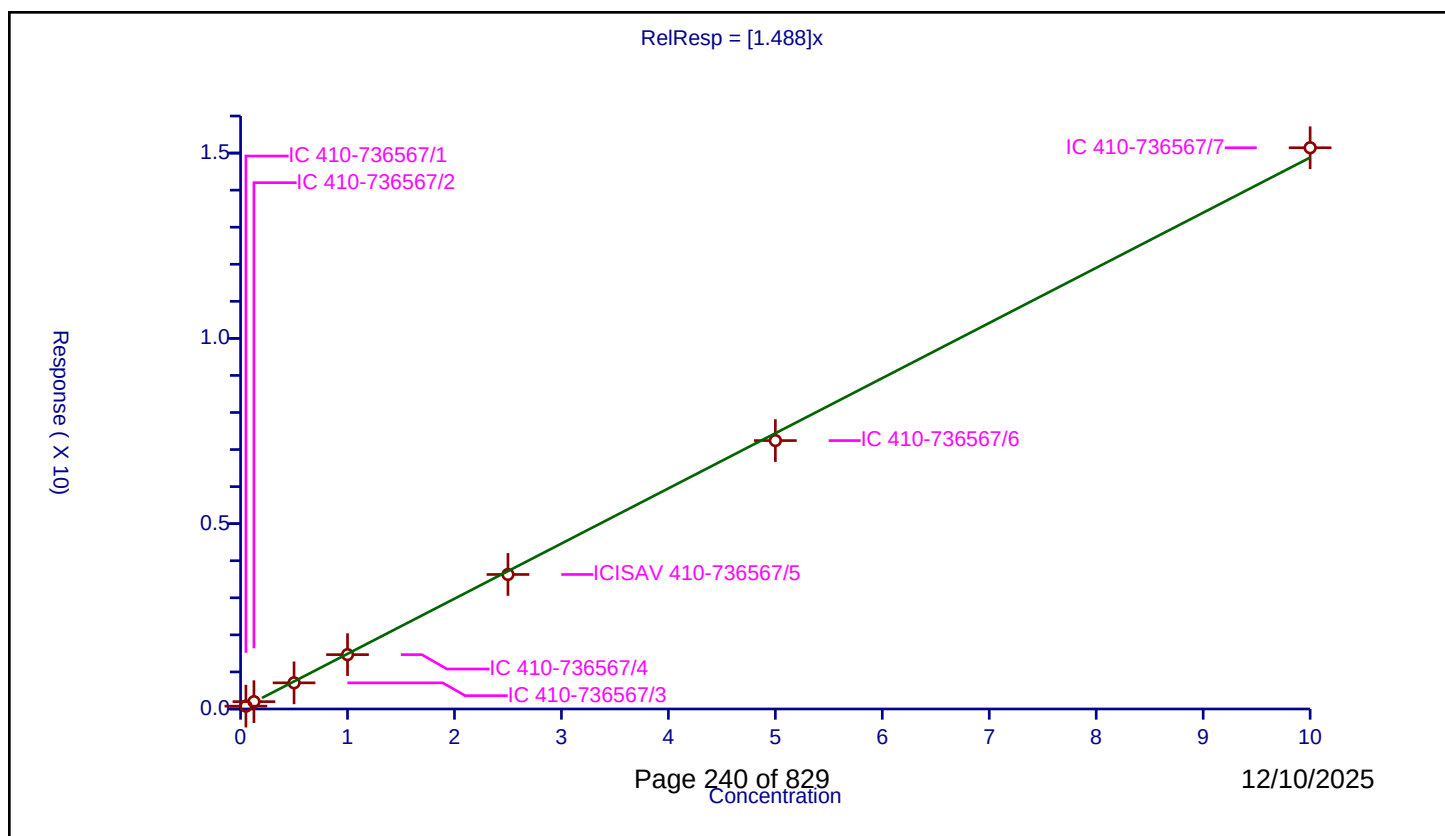
Curve Coefficients

Intercept: 0
Slope: 1.488

Error Coefficients

Relative Standard Deviation: 4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.05	0.076915	1.896	1350302.0	1.538309	Y
2	IC 410-736567/2	0.125	0.198101	1.896	1301100.0	1.584812	Y
3	IC 410-736567/3	0.5	0.705606	1.896	1346336.0	1.411213	Y
4	IC 410-736567/4	1.0	1.466645	1.896	1302653.0	1.466645	Y
5	ICISAV 410-736567/5	2.5	3.629588	1.896	968408.0	1.451835	Y
6	IC 410-736567/6	5.0	7.242205	1.896	1311200.0	1.448441	Y
7	IC 410-736567/7	10.0	15.143763	1.896	1262599.0	1.514376	Y



Calibration

/ N-methylperfluorooctanesulfonamidoacetic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

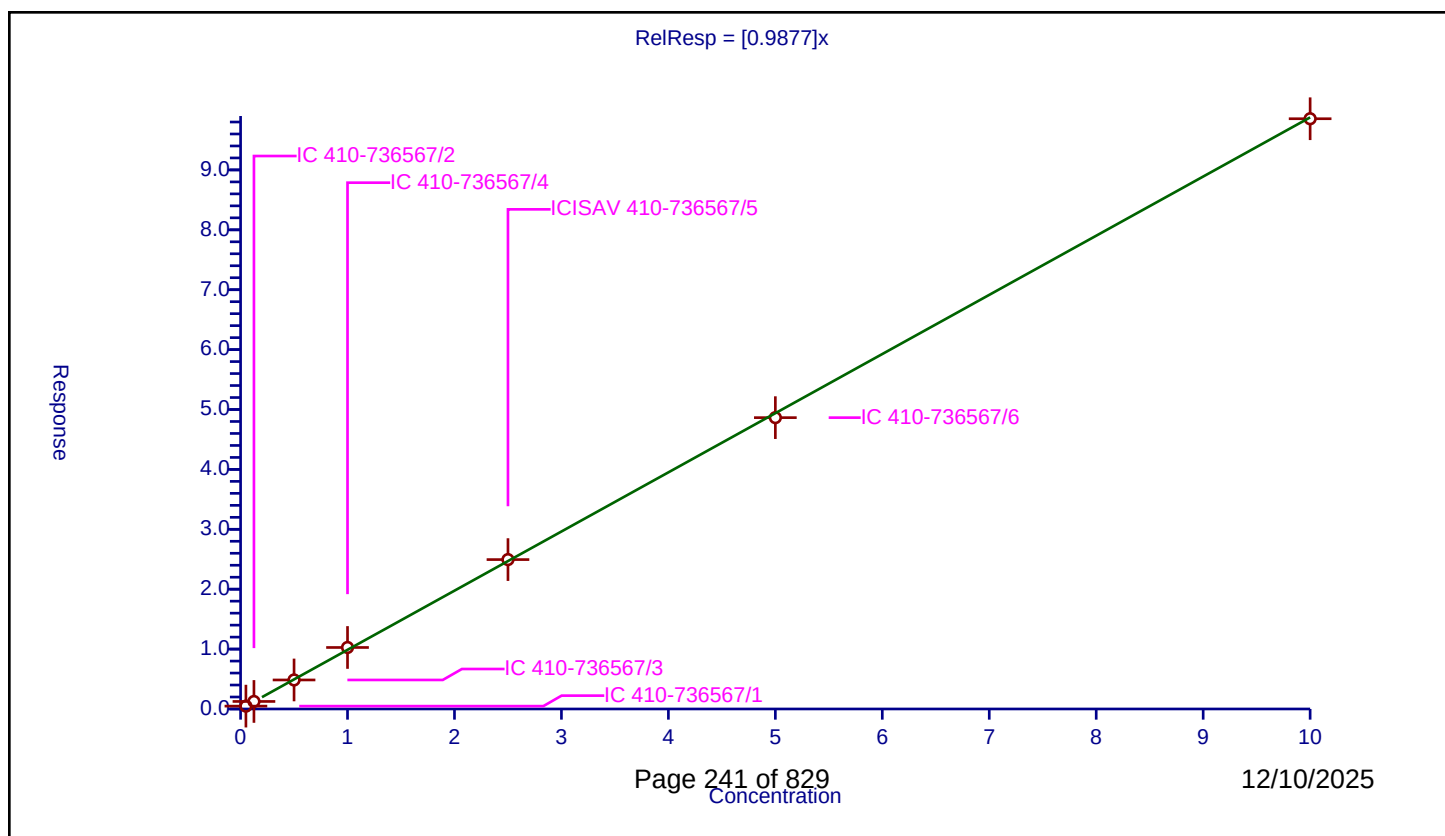
Curve Coefficients

Intercept: 0
Slope: 0.9877

Error Coefficients

Relative Standard Deviation: 2.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.05	0.047772	5.0	1574358.0	0.955437	Y
2	IC 410-736567/2	0.125	0.125768	5.0	1512709.0	1.006142	Y
3	IC 410-736567/3	0.5	0.484645	5.0	1590730.0	0.969291	Y
4	IC 410-736567/4	1.0	1.026945	5.0	1468506.0	1.026945	Y
5	ICISAV 410-736567/5	2.5	2.494476	5.0	1108325.0	0.99779	Y
6	IC 410-736567/6	5.0	4.864061	5.0	1509902.0	0.972812	Y
7	IC 410-736567/7	10.0	9.854603	5.0	1483591.0	0.98546	Y



Calibration

/ Perfluorodecanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

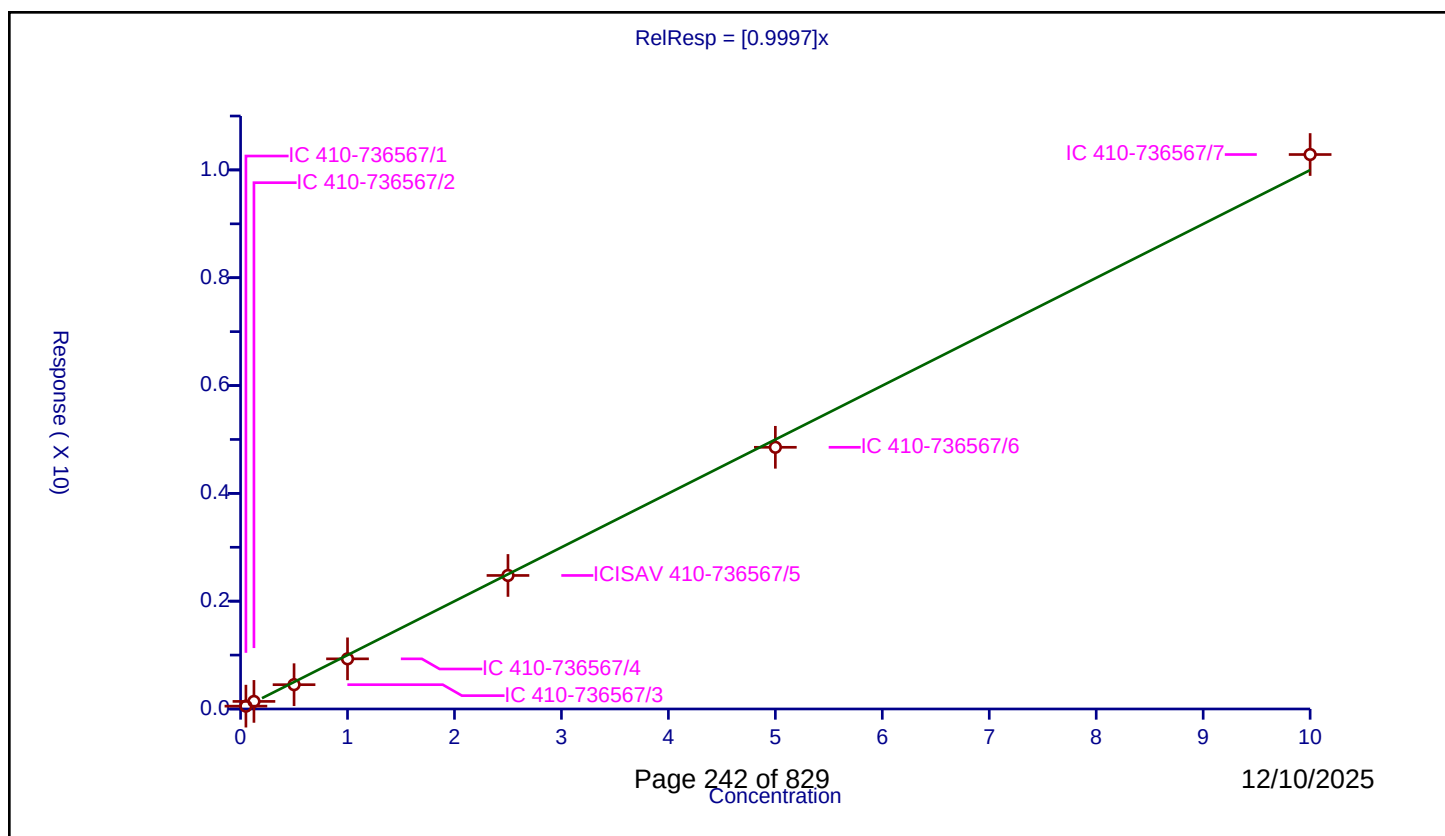
Curve Coefficients

Intercept: 0
Slope: 0.9997

Error Coefficients

Relative Standard Deviation: 7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.05	0.052524	2.0	1654035.0	1.050474	Y
2	IC 410-736567/2	0.125	0.140651	2.0	1583547.0	1.125211	Y
3	IC 410-736567/3	0.5	0.450757	2.0	1688519.0	0.901514	Y
4	IC 410-736567/4	1.0	0.930235	2.0	1656788.0	0.930235	Y
5	ICISAV 410-736567/5	2.5	2.47723	2.0	1169152.0	0.990892	Y
6	IC 410-736567/6	5.0	4.854801	2.0	1594996.0	0.97096	Y
7	IC 410-736567/7	10.0	10.28575	2.0	1439103.0	1.028575	Y



Calibration

/ N-ethylperfluorooctanesulfonamidoacetic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

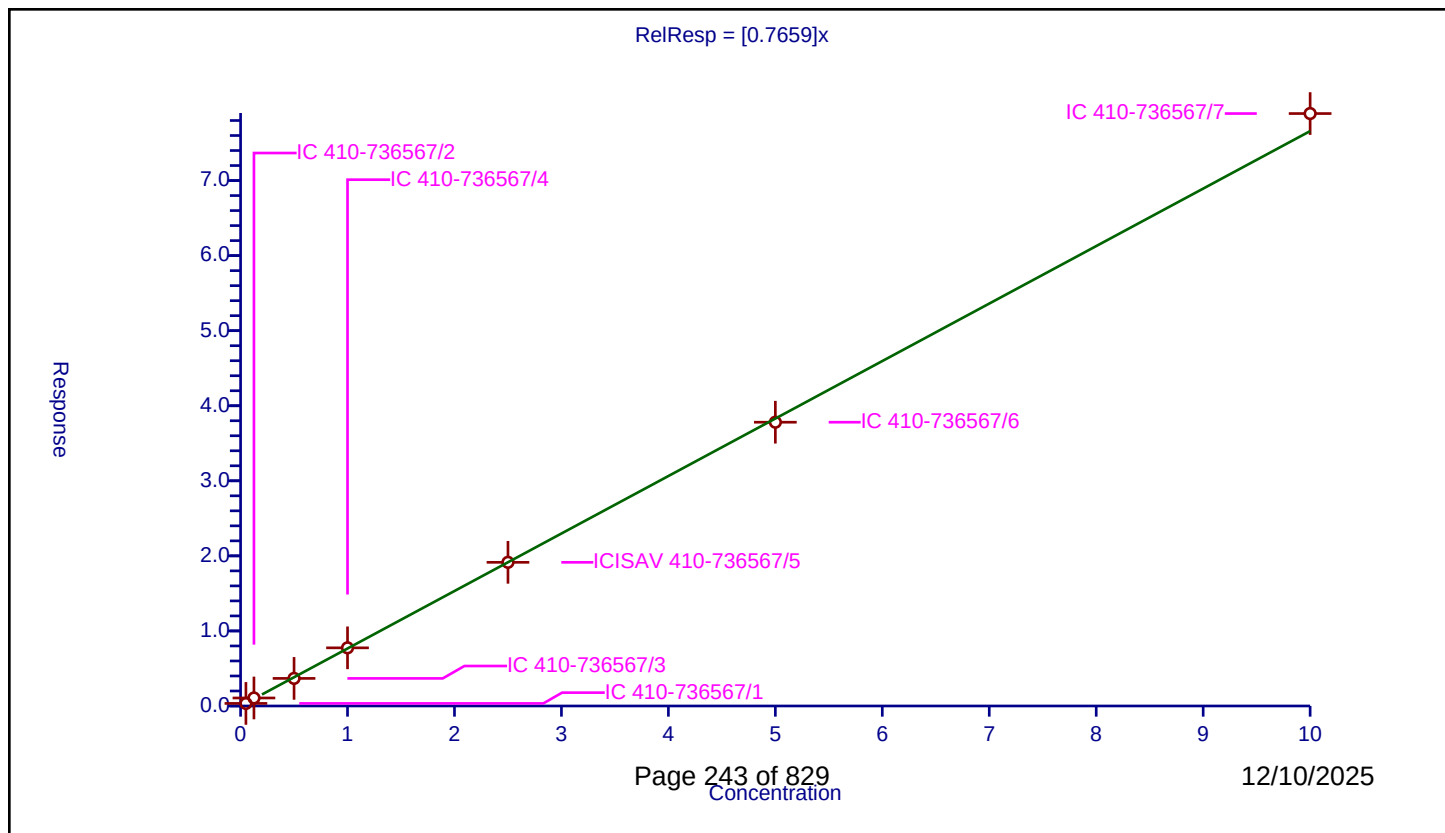
Curve Coefficients

Intercept: 0
 Slope: 0.7659

Error Coefficients

Relative Standard Deviation: 6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.05	0.034265	5.0	1832901.0	0.685307	Y
2	IC 410-736567/2	0.125	0.106879	5.0	1502406.0	0.855029	Y
3	IC 410-736567/3	0.5	0.36755	5.0	1699250.0	0.735101	Y
4	IC 410-736567/4	1.0	0.774727	5.0	1456372.0	0.774727	Y
5	ICISAV 410-736567/5	2.5	1.91397	5.0	1102128.0	0.765588	Y
6	IC 410-736567/6	5.0	3.780609	5.0	1397767.0	0.756122	Y
7	IC 410-736567/7	10.0	7.89298	5.0	1322657.0	0.789298	Y



Calibration

/ Perfluorooctanesulfonic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

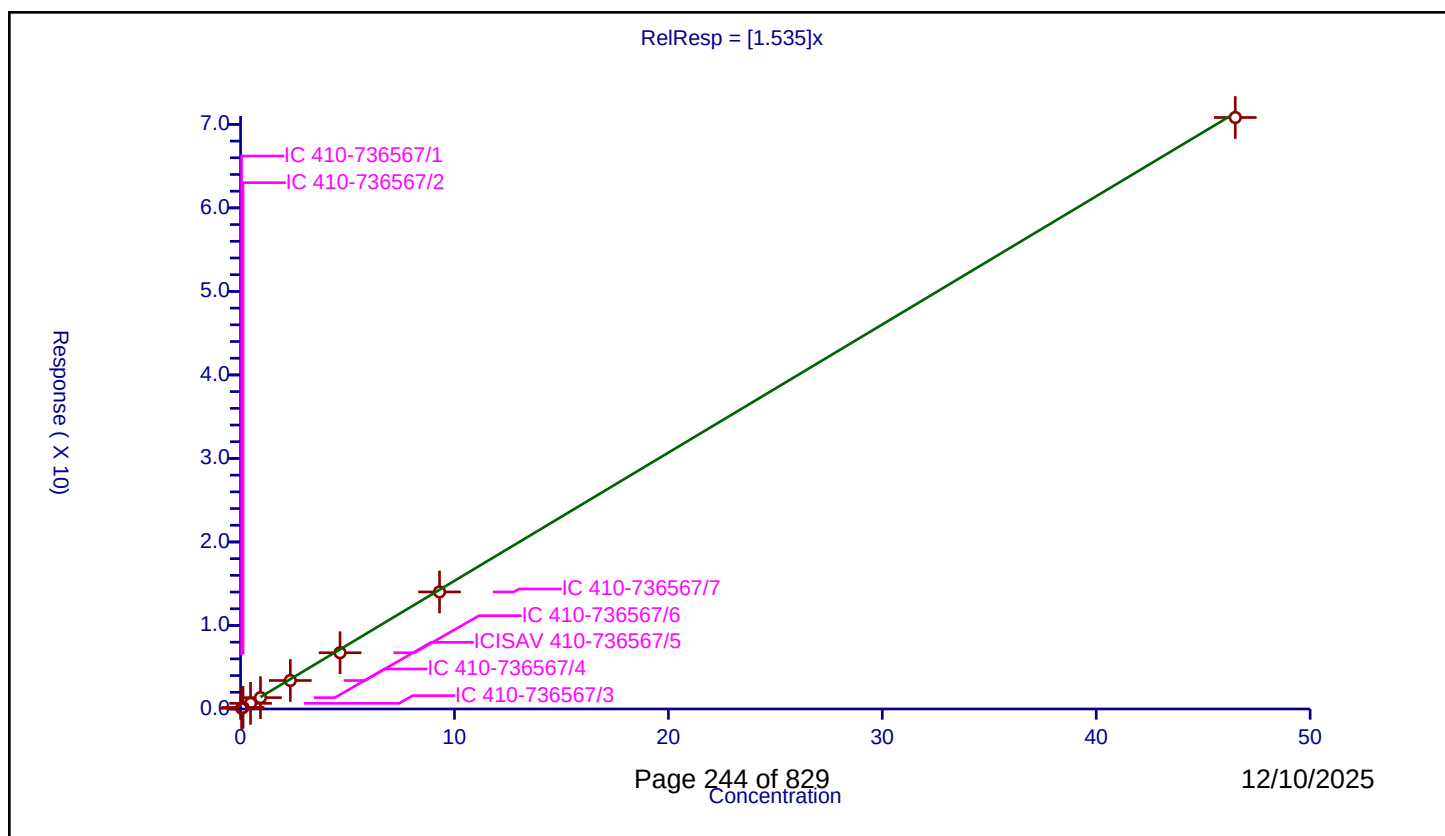
Curve Coefficients

Intercept: 0
Slope: 1.535

Error Coefficients

Relative Standard Deviation: 7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.0465	0.083338	1.916	1337603.0	1.792211	Y
2	IC 410-736567/2	0.11625	0.189058	1.916	1305112.0	1.626309	Y
3	IC 410-736567/3	0.465	0.675692	1.916	1357710.0	1.453102	Y
4	IC 410-736567/4	0.93	1.357385	1.916	1288694.0	1.459554	Y
5	ICISAV 410-736567/5	2.325	3.412712	1.916	987914.0	1.467833	Y
6	IC 410-736567/6	4.65	6.735218	1.916	1336106.0	1.448434	Y
7	IC 410-736567/7	9.3	14.015159	1.916	1258462.0	1.507006	Y
8	IC 410-736567/8	46.5	70.821604	1.916	974602.0	1.523045	Y



Calibration

/ Perfluoroundecanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

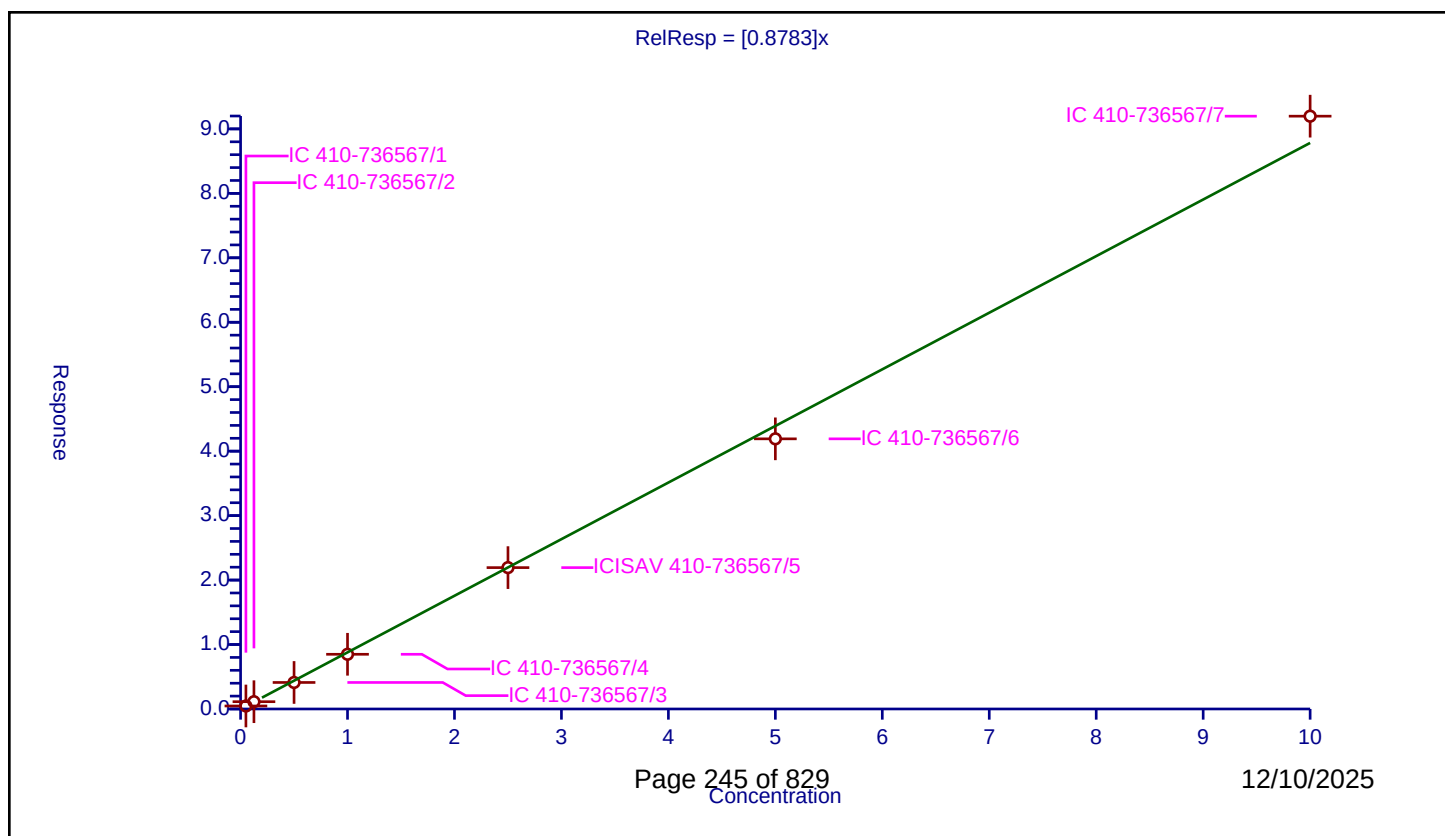
Curve Coefficients

Intercept: 0
Slope: 0.8783

Error Coefficients

Relative Standard Deviation: 4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.05	0.046703	2.0	1870286.0	0.93406	Y
2	IC 410-736567/2	0.125	0.113357	2.0	1820873.0	0.906853	Y
3	IC 410-736567/3	0.5	0.411344	2.0	1857233.0	0.822688	Y
4	IC 410-736567/4	1.0	0.848924	2.0	1833206.0	0.848924	Y
5	ICISAV 410-736567/5	2.5	2.193286	2.0	1328873.0	0.877314	Y
6	IC 410-736567/6	5.0	4.191399	2.0	1879888.0	0.83828	Y
7	IC 410-736567/7	10.0	9.197321	2.0	1663926.0	0.919732	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

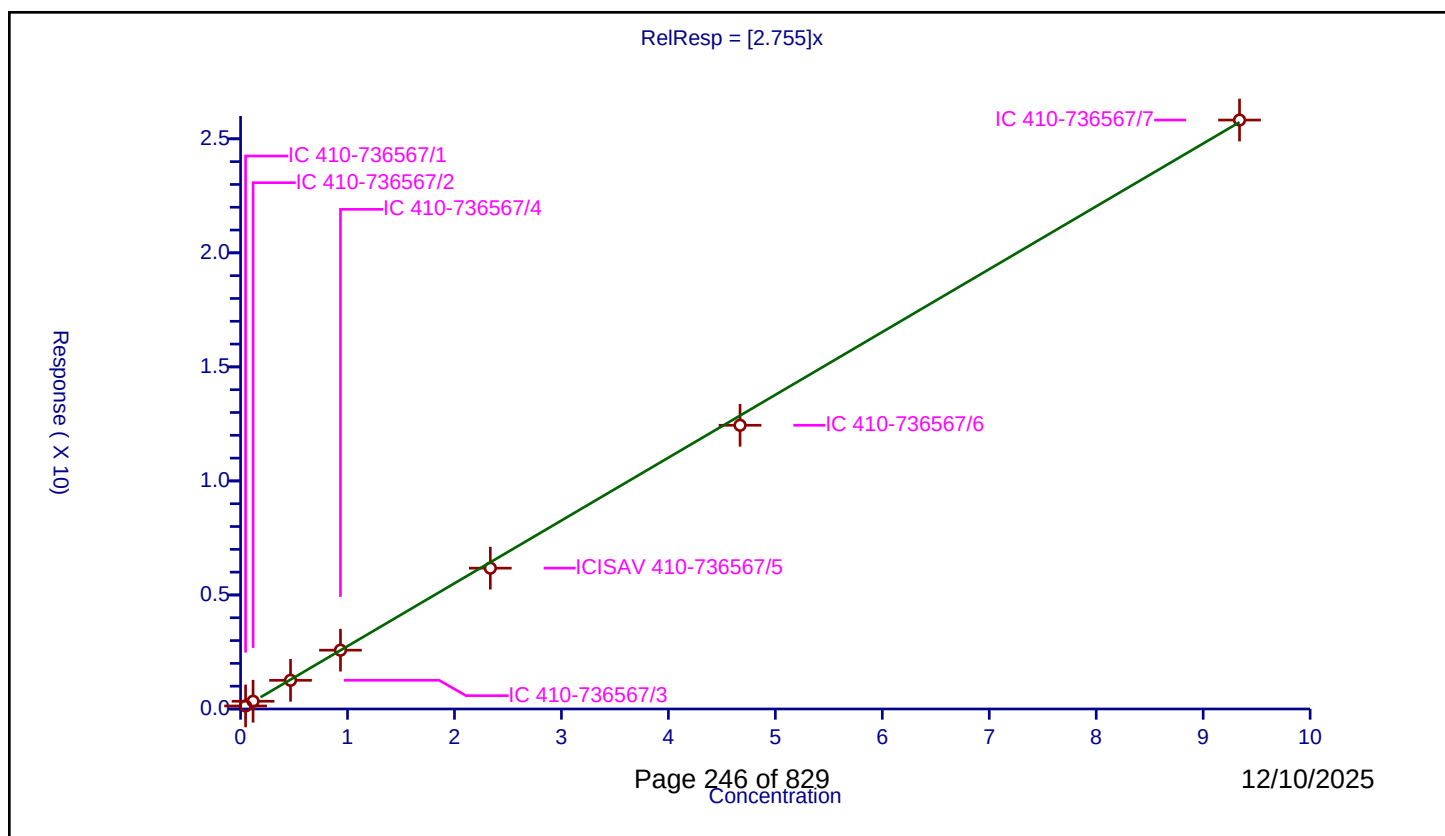
Curve Coefficients

Intercept: 0
Slope: 2.755

Error Coefficients

Relative Standard Deviation: 3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.0467	0.132842	1.916	1337603.0	2.844582	Y
2	IC 410-736567/2	0.11675	0.340133	1.916	1305112.0	2.913349	Y
3	IC 410-736567/3	0.467	1.257225	1.916	1357710.0	2.692131	Y
4	IC 410-736567/4	0.934	2.578377	1.916	1288694.0	2.760575	Y
5	ICISAV 410-736567/5	2.335	6.175711	1.916	987914.0	2.644844	Y
6	IC 410-736567/6	4.67	12.439858	1.916	1336106.0	2.663781	Y
7	IC 410-736567/7	9.34	25.822996	1.916	1258462.0	2.764775	Y



Calibration

/ Perfluorononanesulfonic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

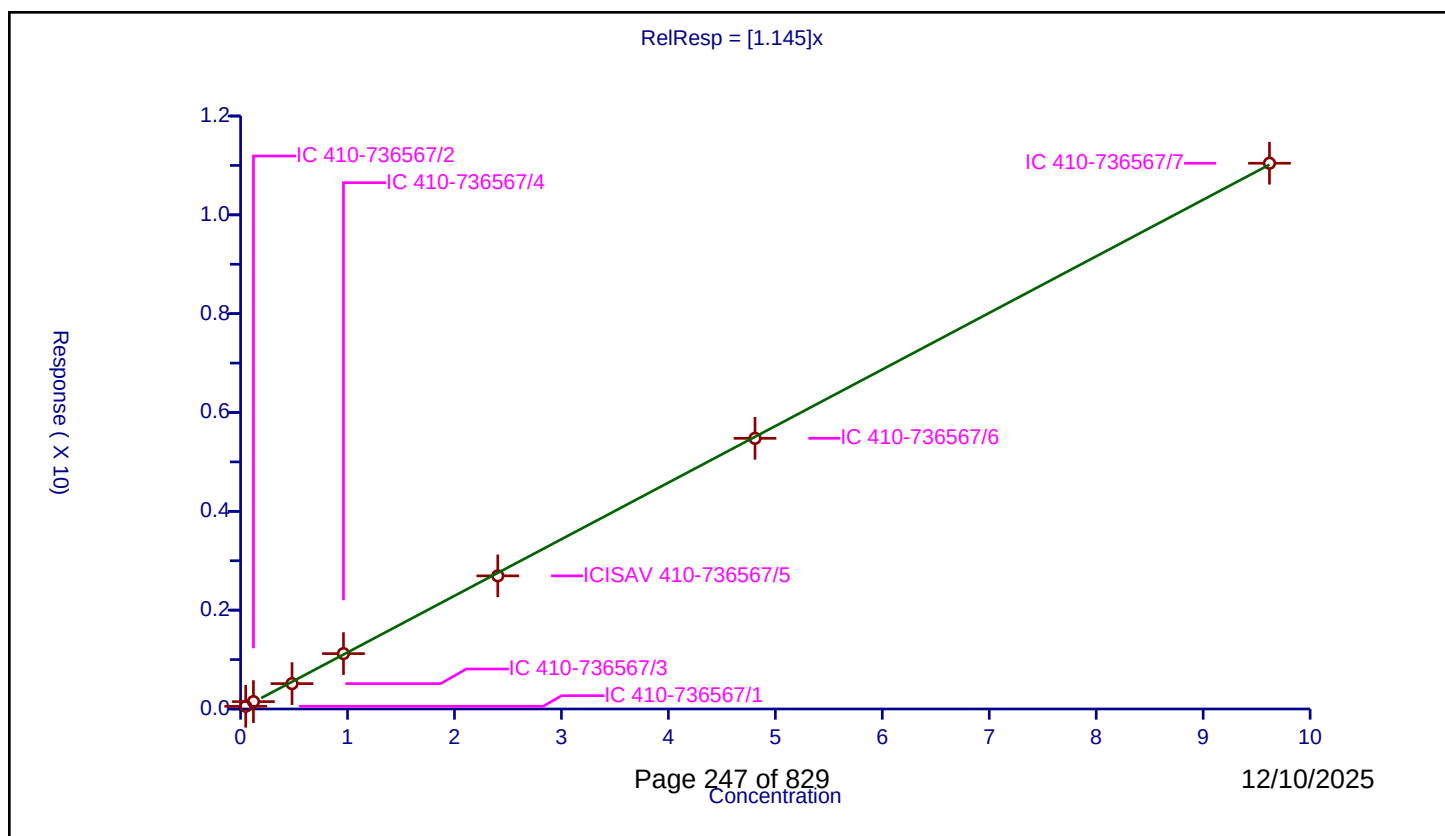
Curve Coefficients

Intercept: 0
Slope: 1.145

Error Coefficients

Relative Standard Deviation: 4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.0481	0.054678	1.916	1337603.0	1.136758	Y
2	IC 410-736567/2	0.12025	0.149111	1.916	1305112.0	1.240006	Y
3	IC 410-736567/3	0.481	0.513291	1.916	1357710.0	1.067134	Y
4	IC 410-736567/4	0.962	1.120411	1.916	1288694.0	1.164668	Y
5	ICISAV 410-736567/5	2.405	2.694257	1.916	987914.0	1.120273	Y
6	IC 410-736567/6	4.81	5.476969	1.916	1336106.0	1.138663	Y
7	IC 410-736567/7	9.62	11.044378	1.916	1258462.0	1.148064	Y



Calibration

/ Perfluorododecanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

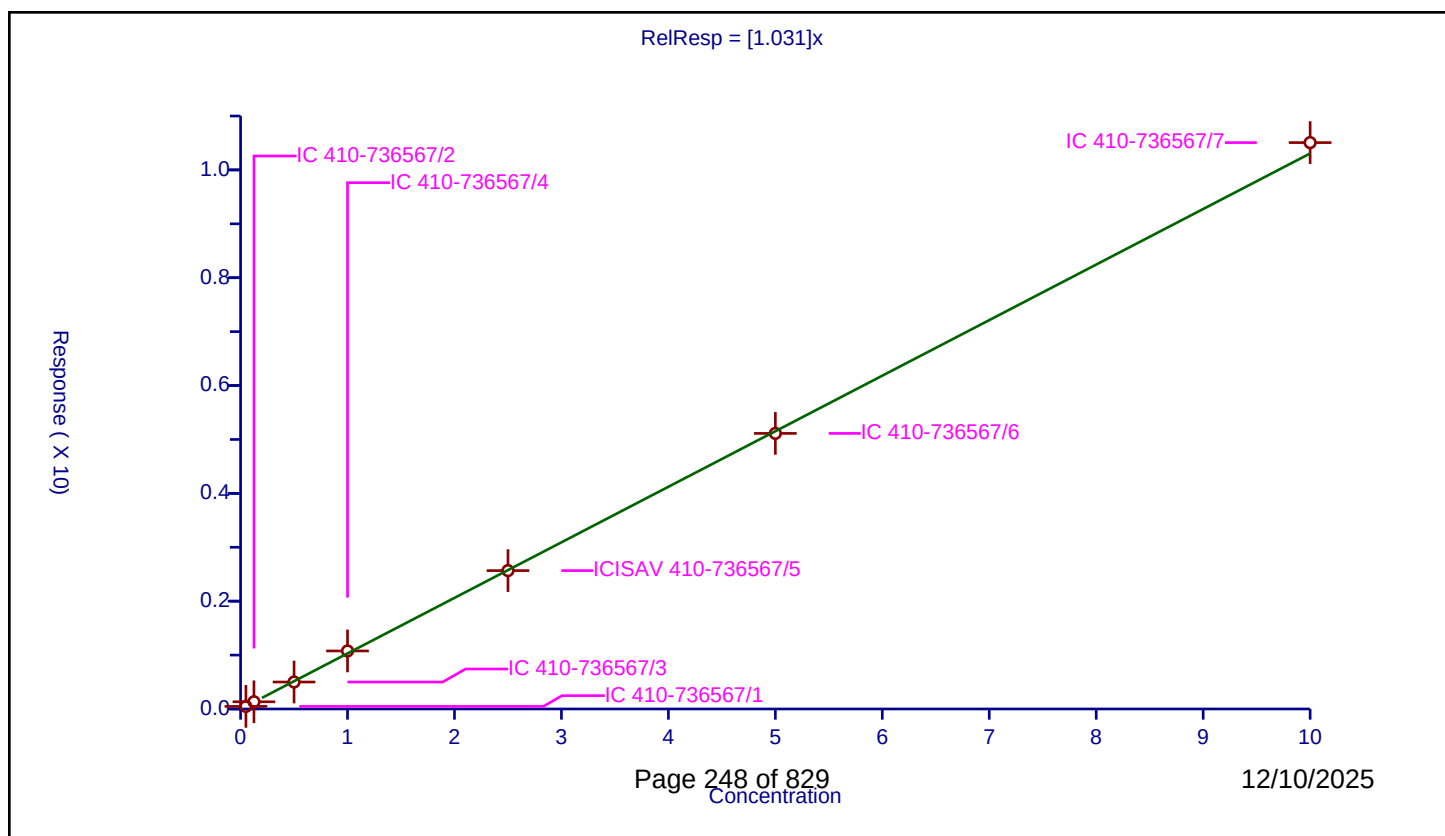
Curve Coefficients

Intercept: 0
Slope: 1.031

Error Coefficients

Relative Standard Deviation: 3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.05	0.048374	2.0	1673310.0	0.967472	Y
2	IC 410-736567/2	0.125	0.133587	2.0	1600533.0	1.068694	Y
3	IC 410-736567/3	0.5	0.500215	2.0	1526824.0	1.00043	Y
4	IC 410-736567/4	1.0	1.076885	2.0	1480407.0	1.076885	Y
5	ICISAV 410-736567/5	2.5	2.567367	2.0	1124306.0	1.026947	Y
6	IC 410-736567/6	5.0	5.112372	2.0	1519289.0	1.022474	Y
7	IC 410-736567/7	10.0	10.506557	2.0	1469972.0	1.050656	Y



Calibration

/ Perfluorooctanesulfonamide

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

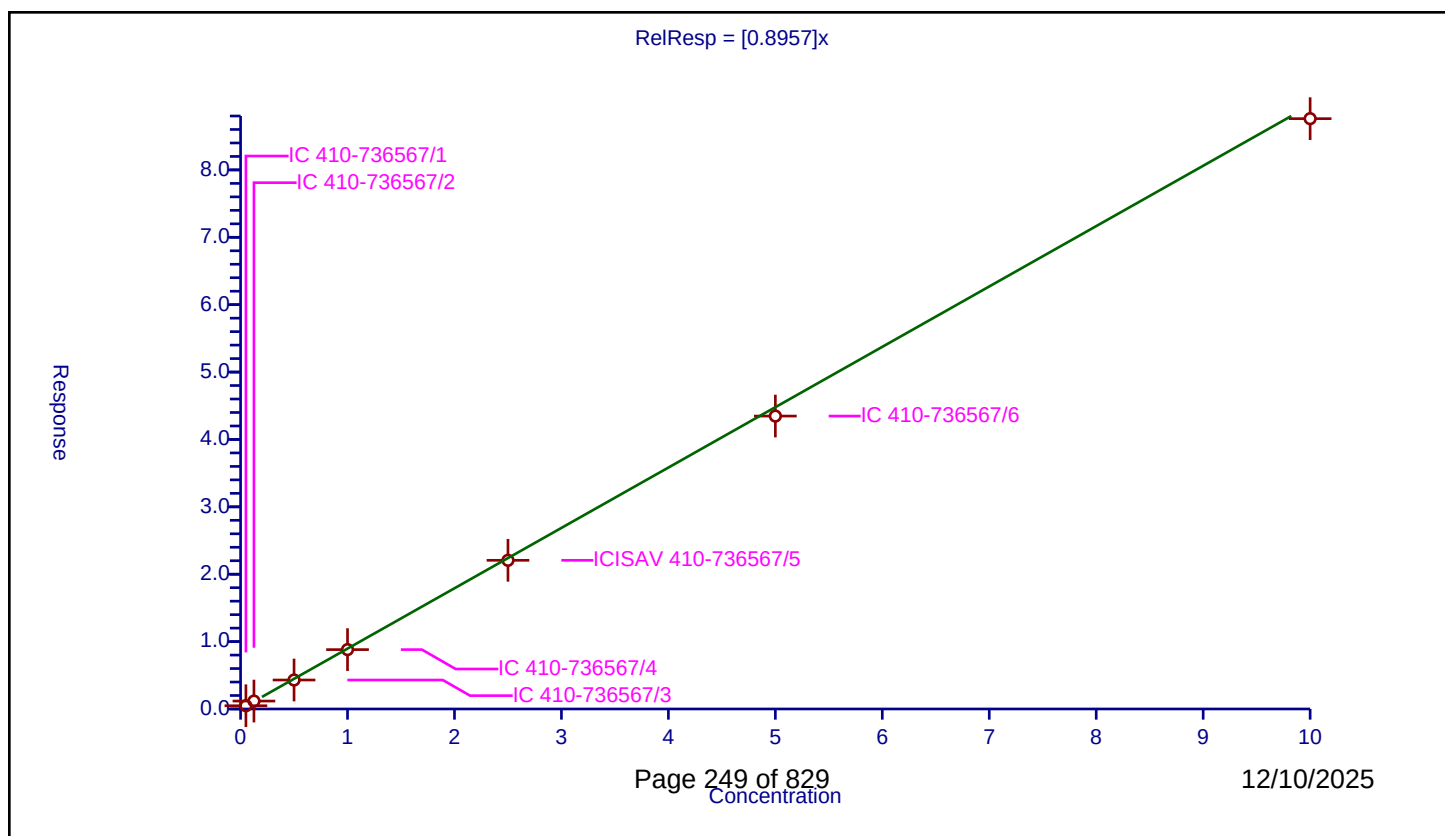
Curve Coefficients

Intercept: 0
Slope: 0.8957

Error Coefficients

Relative Standard Deviation: 4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.05	0.048038	2.0	1815774.0	0.960758	Y
2	IC 410-736567/2	0.125	0.117543	2.0	1772559.0	0.940344	Y
3	IC 410-736567/3	0.5	0.429926	2.0	1807167.0	0.859852	Y
4	IC 410-736567/4	1.0	0.881232	2.0	1754617.0	0.881232	Y
5	ICISAV 410-736567/5	2.5	2.206413	2.0	1300317.0	0.882565	Y
6	IC 410-736567/6	5.0	4.346952	2.0	1839695.0	0.86939	Y
7	IC 410-736567/7	10.0	8.760783	2.0	1785410.0	0.876078	Y



Calibration

/ Perfluorodecanesulfonic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

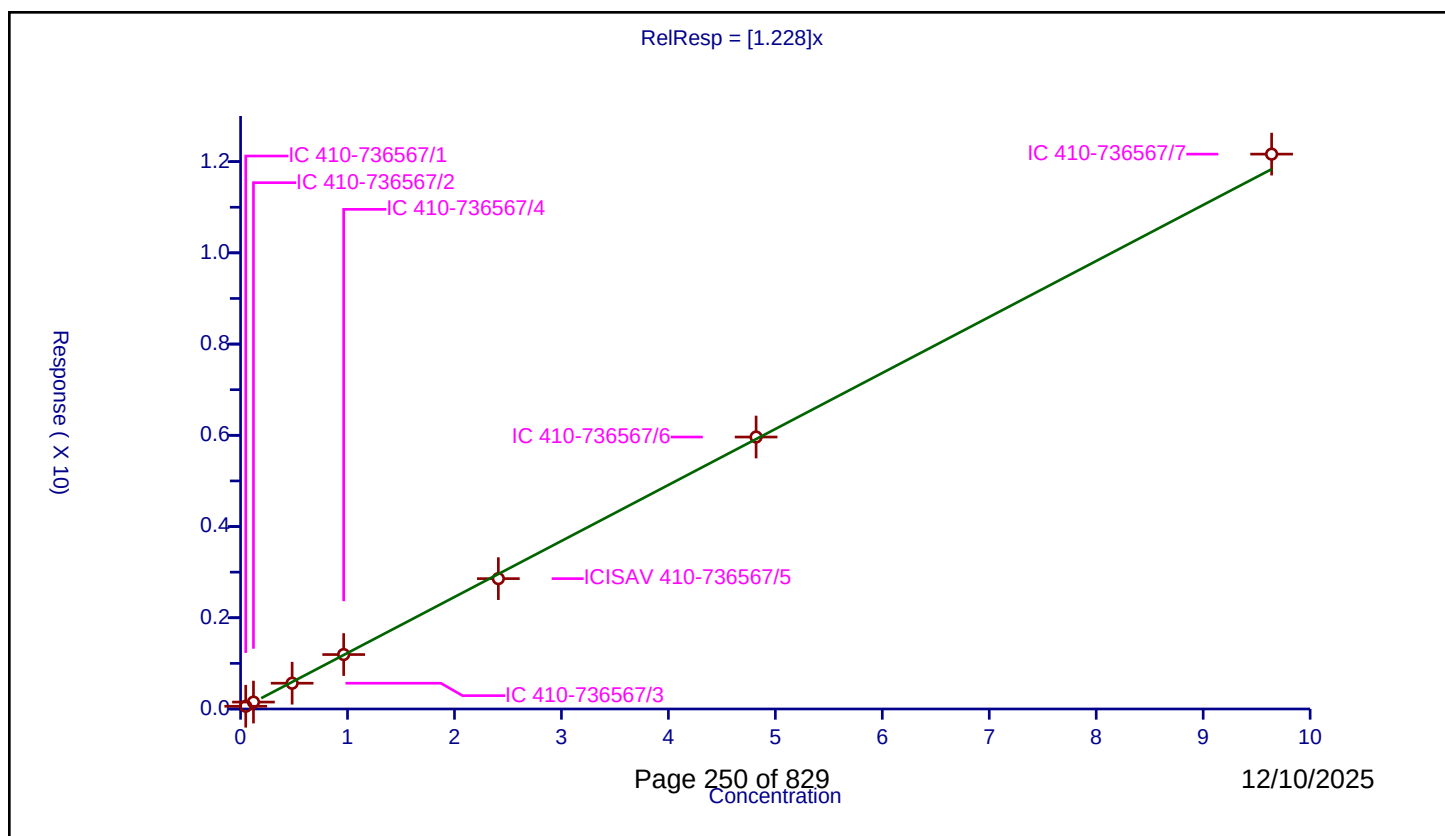
Curve Coefficients

Intercept: 0
Slope: 1.228

Error Coefficients

Relative Standard Deviation: 2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.0482	0.059823	1.916	1337603.0	1.241147	Y
2	IC 410-736567/2	0.1205	0.151512	1.916	1305112.0	1.257365	Y
3	IC 410-736567/3	0.482	0.565111	1.916	1357710.0	1.172429	Y
4	IC 410-736567/4	0.964	1.19355	1.916	1288694.0	1.238122	Y
5	ICISAV 410-736567/5	2.41	2.858021	1.916	987914.0	1.185901	Y
6	IC 410-736567/6	4.82	5.962401	1.916	1336106.0	1.237013	Y
7	IC 410-736567/7	9.64	12.164731	1.916	1258462.0	1.261902	Y



Calibration

/ Perfluorotridecanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

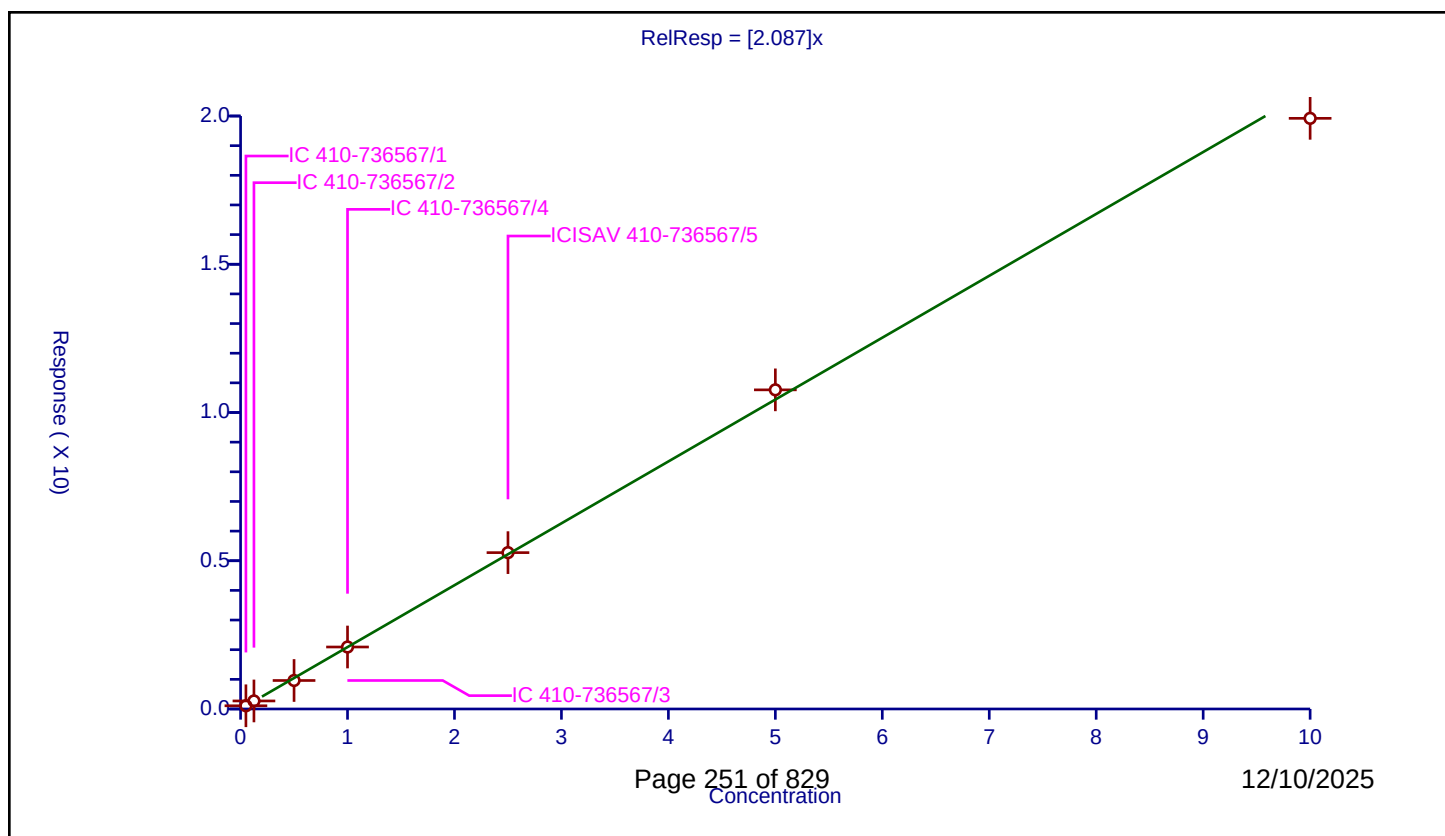
Curve Coefficients

Intercept: 0
Slope: 2.087

Error Coefficients

Relative Standard Deviation: 4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.05	0.108786	2.0	799794.0	2.17571	Y
2	IC 410-736567/2	0.125	0.270975	2.0	827316.0	2.1678	Y
3	IC 410-736567/3	0.5	0.961176	2.0	845283.0	1.922353	Y
4	IC 410-736567/4	1.0	2.090384	2.0	746767.0	2.090384	Y
5	ICISAV 410-736567/5	2.5	5.273328	2.0	574898.0	2.109331	Y
6	IC 410-736567/6	5.0	10.764255	2.0	742765.0	2.152851	Y
7	IC 410-736567/7	10.0	19.921482	2.0	766750.0	1.992148	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

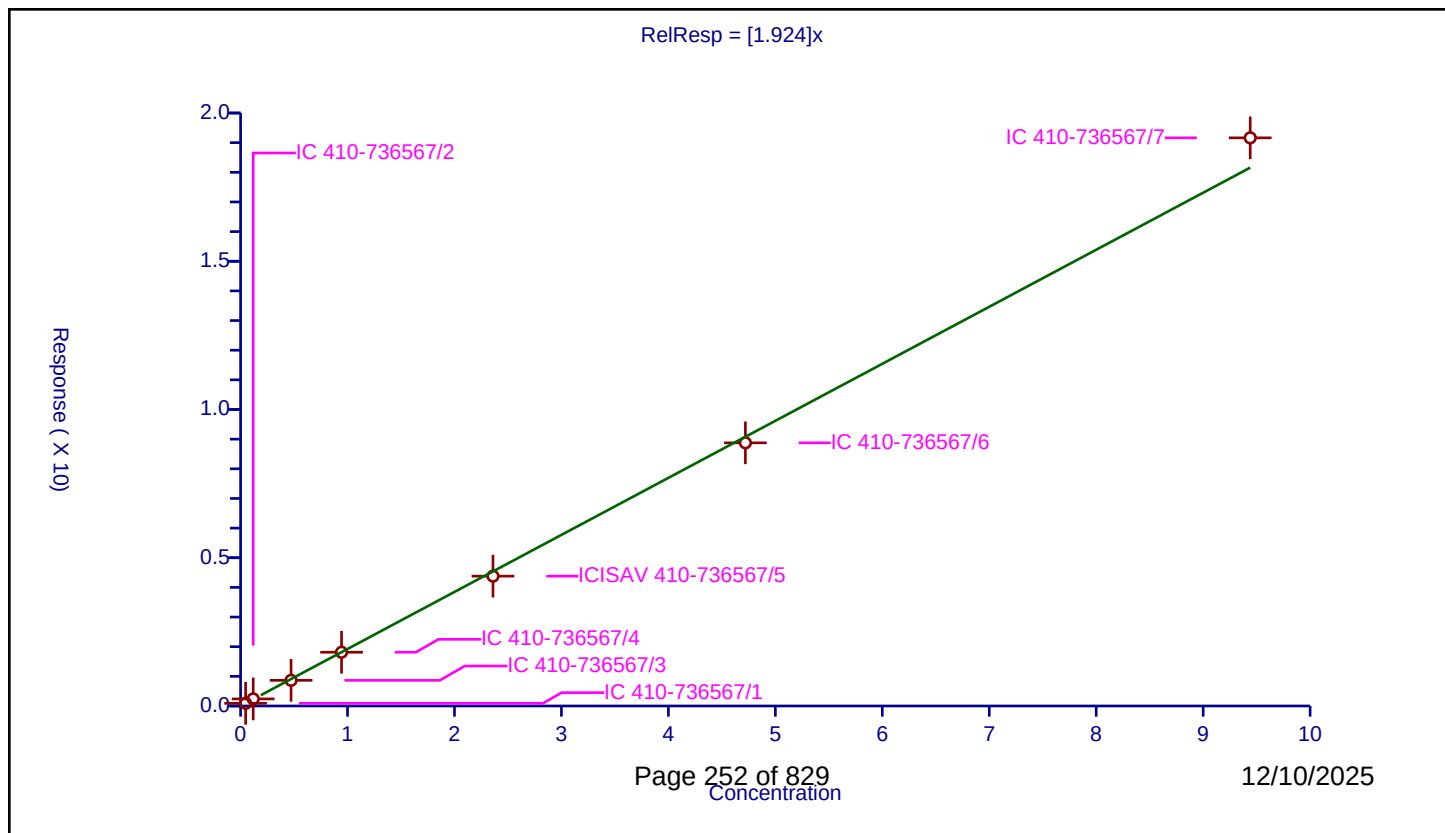
Curve Coefficients

Intercept: 0
 Slope: 1.924

Error Coefficients

Relative Standard Deviation: 4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.0472	0.090736	1.916	1337603.0	1.922377	Y
2	IC 410-736567/2	0.118	0.238816	1.916	1305112.0	2.023863	Y
3	IC 410-736567/3	0.472	0.864529	1.916	1357710.0	1.83163	Y
4	IC 410-736567/4	0.944	1.813023	1.916	1288694.0	1.920575	Y
5	ICISAV 410-736567/5	2.36	4.379599	1.916	987914.0	1.855762	Y
6	IC 410-736567/6	4.72	8.875552	1.916	1336106.0	1.880413	Y
7	IC 410-736567/7	9.44	19.162948	1.916	1258462.0	2.029973	Y



Calibration

/ Perfluorotetradecanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

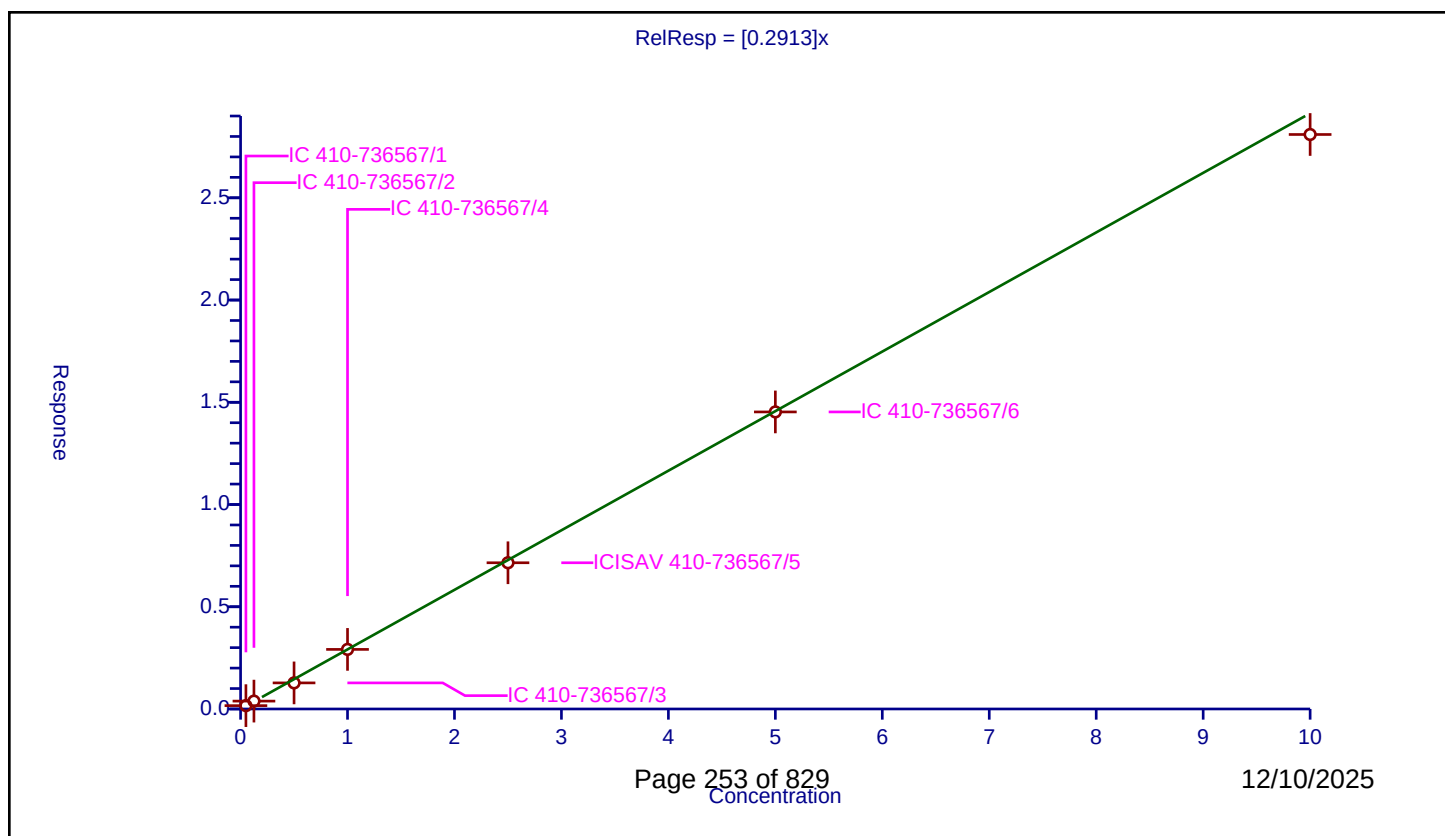
Curve Coefficients

Intercept: 0
Slope: 0.2913

Error Coefficients

Relative Standard Deviation: 7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.05	0.016319	2.0	799794.0	0.326384	Y
2	IC 410-736567/2	0.125	0.038592	2.0	827316.0	0.308738	Y
3	IC 410-736567/3	0.5	0.127583	2.0	845283.0	0.255167	Y
4	IC 410-736567/4	1.0	0.291387	2.0	746767.0	0.291387	Y
5	ICISAV 410-736567/5	2.5	0.715153	2.0	574898.0	0.286061	Y
6	IC 410-736567/6	5.0	1.452793	2.0	742765.0	0.290559	Y
7	IC 410-736567/7	10.0	2.809607	2.0	766750.0	0.280961	Y



Calibration

/ Perfluorododecanesulfonic acid (PFDoS)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

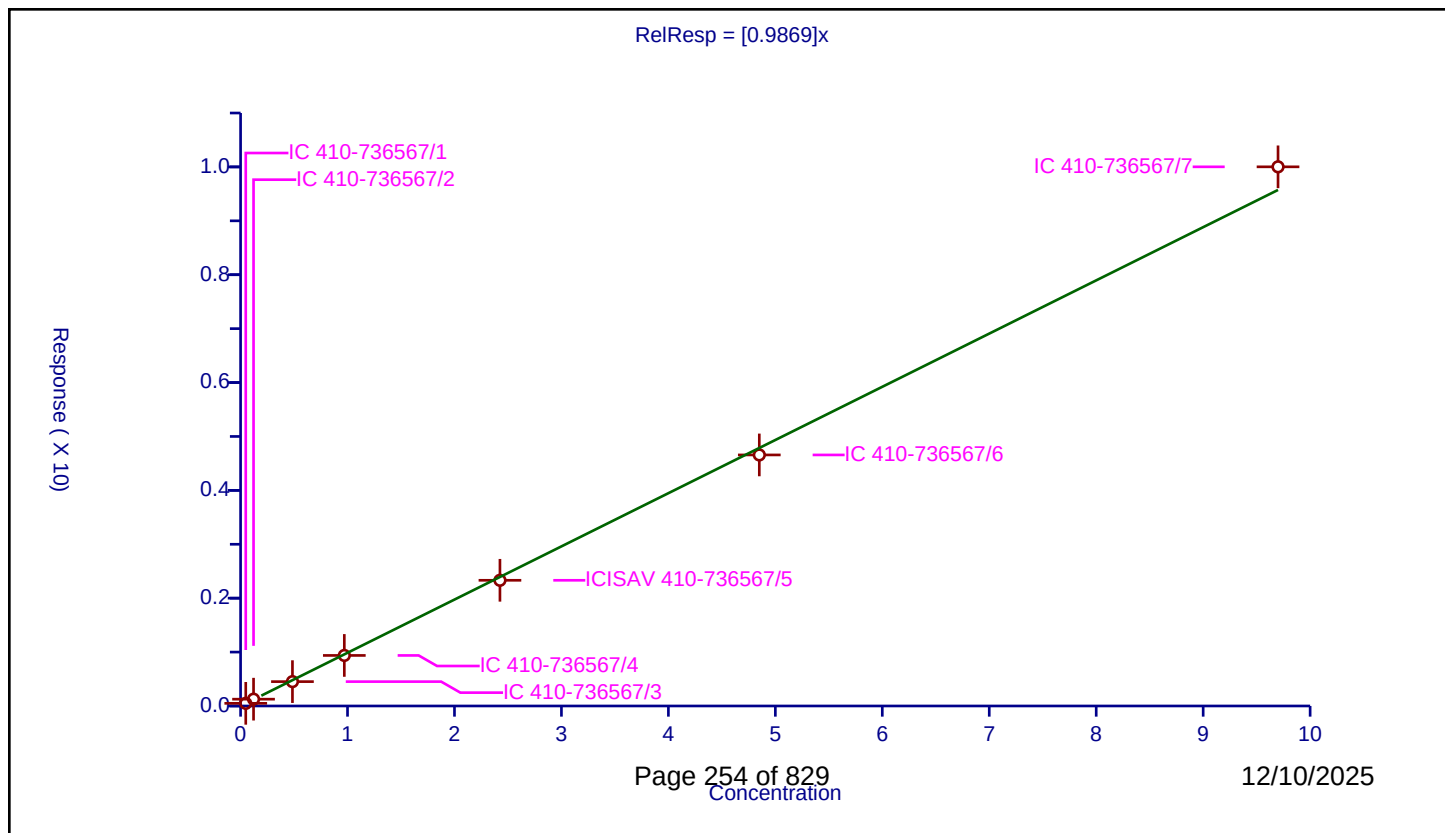
Curve Coefficients

Intercept: 0
Slope: 0.9869

Error Coefficients

Relative Standard Deviation: 4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.0485	0.049126	1.916	1337603.0	1.012908	Y
2	IC 410-736567/2	0.12125	0.126596	1.916	1305112.0	1.044094	Y
3	IC 410-736567/3	0.485	0.4519	1.916	1357710.0	0.931753	Y
4	IC 410-736567/4	0.97	0.937581	1.916	1288694.0	0.966578	Y
5	ICISAV 410-736567/5	2.425	2.331544	1.916	987914.0	0.961462	Y
6	IC 410-736567/6	4.85	4.657267	1.916	1336106.0	0.960261	Y
7	IC 410-736567/7	9.7	10.001814	1.916	1258462.0	1.031115	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

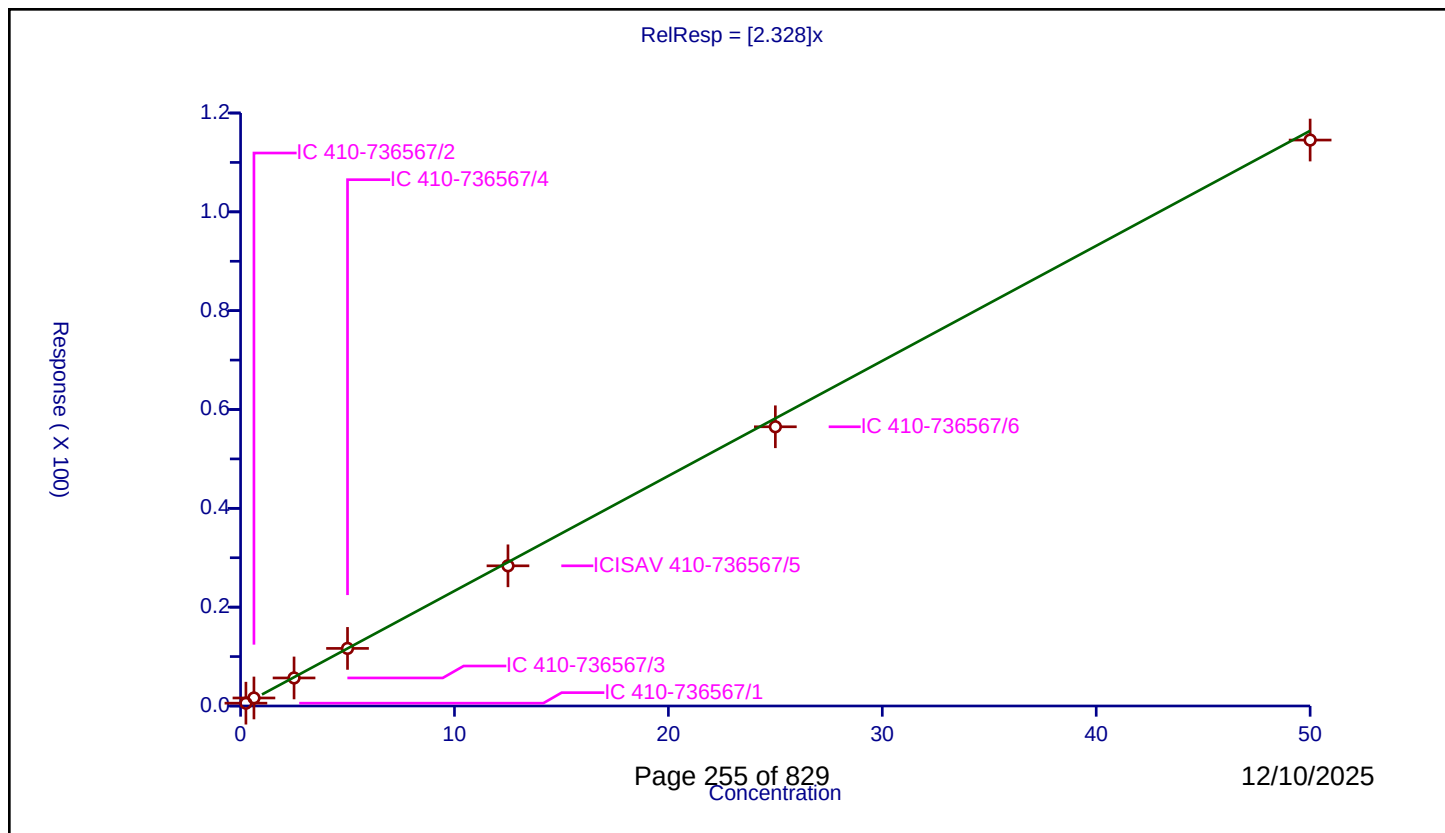
Curve Coefficients

Intercept: 0
Slope: 2.328

Error Coefficients

Relative Standard Deviation: 5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.25	0.57072	5.0	611771.0	2.28288	Y
2	IC 410-736567/2	0.625	1.6212	5.0	624081.0	2.59392	Y
3	IC 410-736567/3	2.5	5.673421	5.0	617511.0	2.269368	Y
4	IC 410-736567/4	5.0	11.65131	5.0	606791.0	2.330262	Y
5	ICISAV 410-736567/5	12.5	28.36939	5.0	466945.0	2.269551	Y
6	IC 410-736567/6	25.0	56.506642	5.0	621468.0	2.260266	Y
7	IC 410-736567/7	50.0	114.529476	5.0	629745.0	2.29059	Y



Calibration

/ NMeFOSA

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

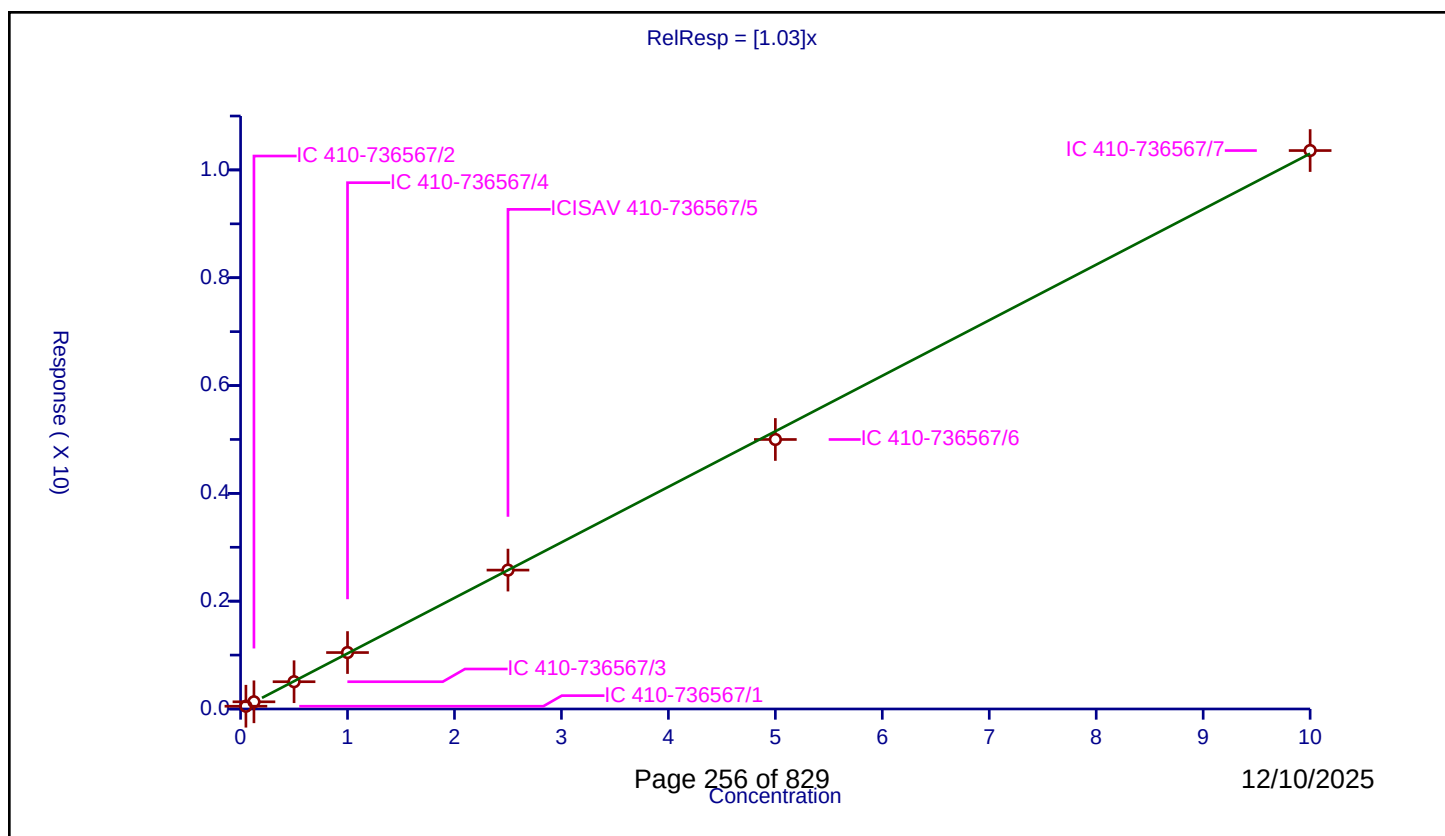
Curve Coefficients

Intercept: 0
Slope: 1.03

Error Coefficients

Relative Standard Deviation: 2.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.05	0.051075	2.0	436533.0	1.021504	Y
2	IC 410-736567/2	0.125	0.133076	2.0	436263.0	1.064606	Y
3	IC 410-736567/3	0.5	0.505983	2.0	437896.0	1.011966	Y
4	IC 410-736567/4	1.0	1.047164	2.0	420849.0	1.047164	Y
5	ICISAV 410-736567/5	2.5	2.576677	2.0	312123.0	1.030671	Y
6	IC 410-736567/6	5.0	4.999497	2.0	443103.0	0.999899	Y
7	IC 410-736567/7	10.0	10.359182	2.0	441214.0	1.035918	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

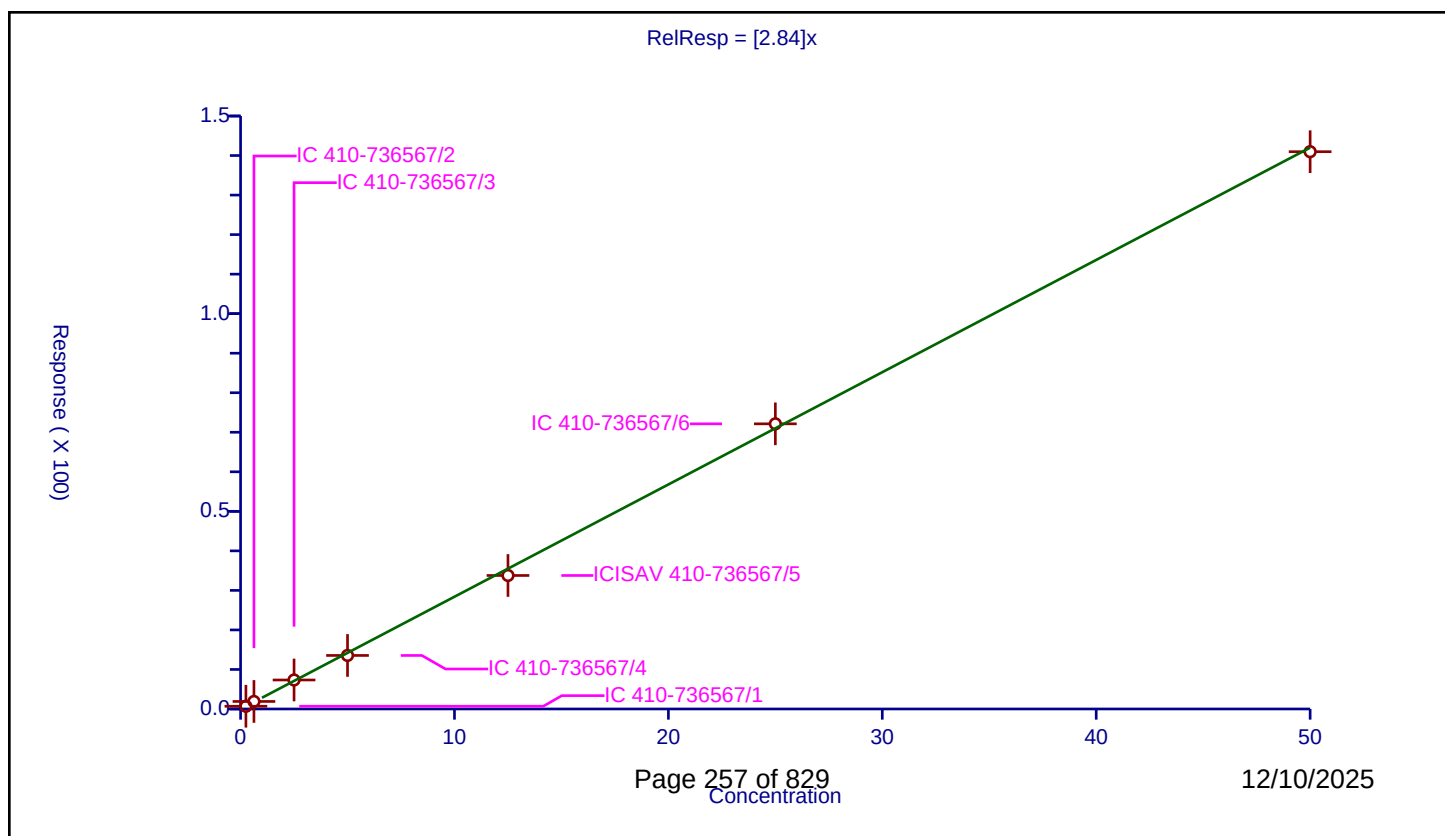
Curve Coefficients

Intercept: 0
Slope: 2.84

Error Coefficients

Relative Standard Deviation: 4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.25	0.694686	5.0	724219.0	2.778745	Y
2	IC 410-736567/2	0.625	1.90559	5.0	732781.0	3.048944	Y
3	IC 410-736567/3	2.5	7.338471	5.0	719250.0	2.935388	Y
4	IC 410-736567/4	5.0	13.543123	5.0	715256.0	2.708625	Y
5	ICISAV 410-736567/5	12.5	33.774872	5.0	539772.0	2.70199	Y
6	IC 410-736567/6	25.0	72.137483	5.0	667928.0	2.885499	Y
7	IC 410-736567/7	50.0	140.977348	5.0	730932.0	2.819547	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

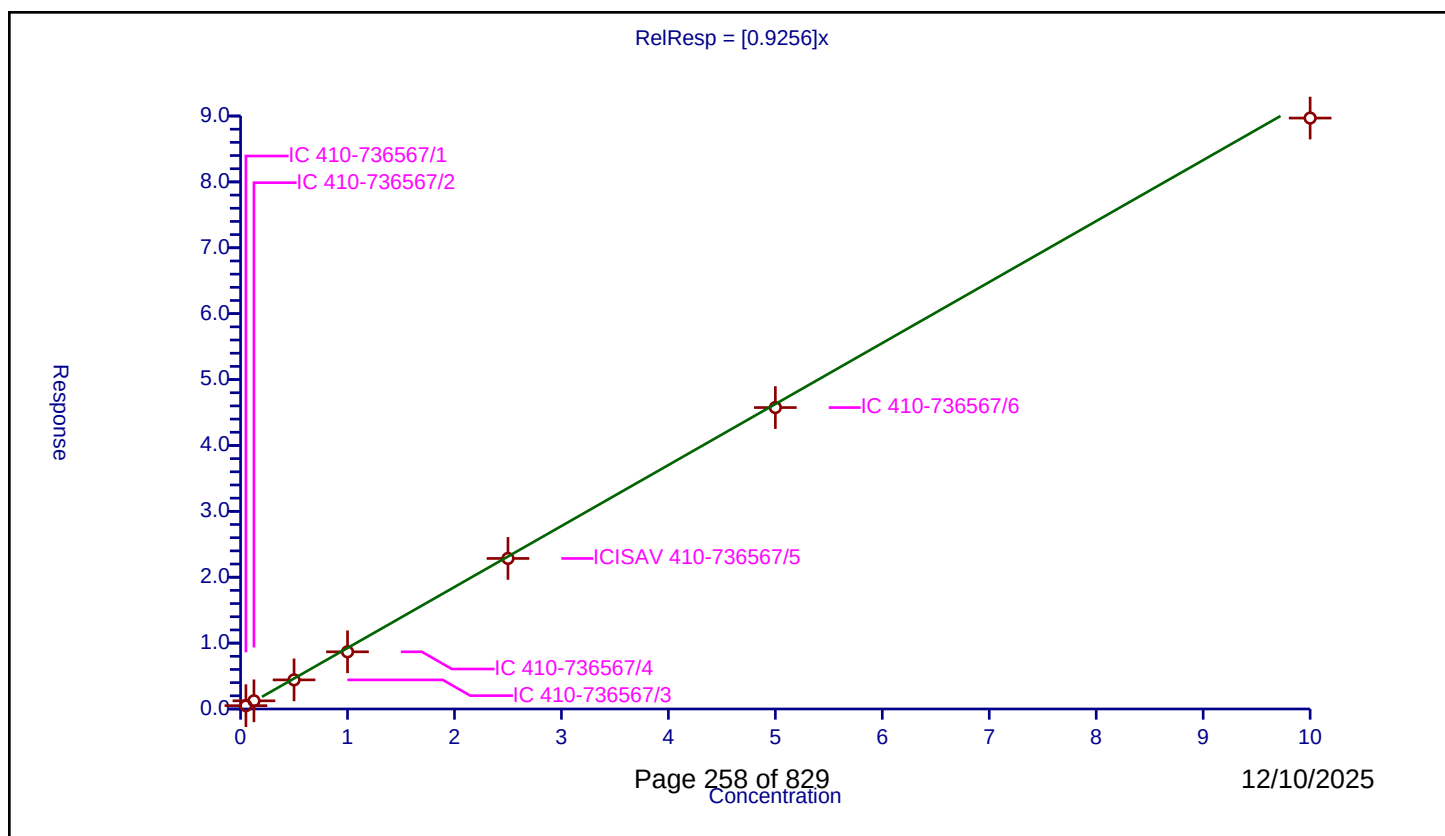
Curve Coefficients

Intercept: 0
Slope: 0.9256

Error Coefficients

Relative Standard Deviation: 5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.05	0.050548	2.0	517092.0	1.010961	Y
2	IC 410-736567/2	0.125	0.123907	2.0	506752.0	0.991254	Y
3	IC 410-736567/3	0.5	0.441772	2.0	526584.0	0.883544	Y
4	IC 410-736567/4	1.0	0.867913	2.0	533120.0	0.867913	Y
5	ICISAV 410-736567/5	2.5	2.284793	2.0	389743.0	0.913917	Y
6	IC 410-736567/6	5.0	4.575022	2.0	514968.0	0.915004	Y
7	IC 410-736567/7	10.0	8.968733	2.0	532184.0	0.896873	Y



Calibration

/ Perfluorooctadecanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

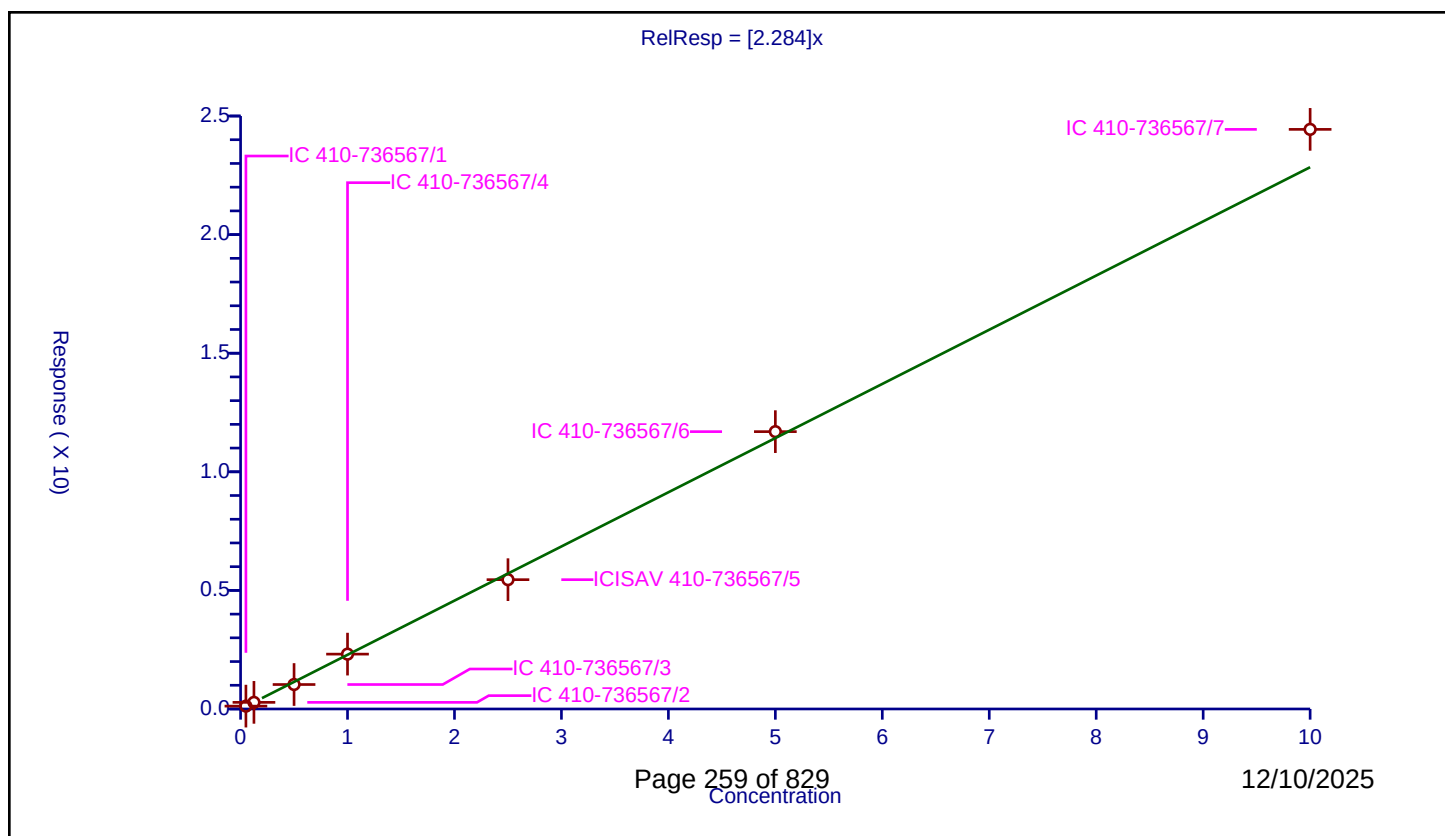
Curve Coefficients

Intercept: 0
Slope: 2.284

Error Coefficients

Relative Standard Deviation: 5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-736567/1	0.05	0.120936	2.0	799794.0	2.418723	Y
2	IC 410-736567/2	0.125	0.278829	2.0	827316.0	2.230635	Y
3	IC 410-736567/3	0.5	1.031673	2.0	845283.0	2.063347	Y
4	IC 410-736567/4	1.0	2.312944	2.0	746767.0	2.312944	Y
5	ICISAV 410-736567/5	2.5	5.45255	2.0	574898.0	2.18102	Y
6	IC 410-736567/6	5.0	11.693095	2.0	742765.0	2.338619	Y
7	IC 410-736567/7	10.0	24.43627	2.0	766750.0	2.443627	Y



FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-254628-1 Analy Batch No.: 738495
Environment Testing, LLC

SDG No.: _____

Instrument ID: 30577 GC Column: Gemini C18 5 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2025 15:58 Calibration End Date: 12/03/2025 17:33 Calibration ID: 79333

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-738495/1	25DEC03CAL-01.d
Level 2	IC 410-738495/2	25DEC03CAL-02.d
Level 3	IC 410-738495/3	25DEC03CAL-03.d
Level 4	IC 410-738495/4	25DEC03CAL-04.d
Level 5	ICISAV 410-738495/5	25DEC03CAL-05.d
Level 6	IC 410-738495/6	25DEC03CAL-06.d
Level 7	IC 410-738495/7	25DEC03CAL-07.d
Level 8	IC 410-738495/8	25DEC03CAL-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 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Perfluoropropionic acid (PFPrA)	0.9712 0.9352	1.0177 0.9580	0.9248	0.9449	0.9417	AveI D		0.956 2				3.2		20.0			
Perfluorobutanoic acid (PFBA)	0.9855 0.9064	0.9804 0.9401	0.8852 0.8965	0.9155	0.9126	AveI D		0.927 8				4.1		20.0			
Perfluoro-3-methoxypropanoic acid (PFMPA)	1.5982 1.4976	1.6510 1.5953	1.6225	1.5278	1.6001	AveI D		1.584 6				3.4		20.0			
3:3 FTCA	0.0770 0.0675	0.0761 0.0759	0.0684	0.0758	0.0715	AveI D		0.073 2				5.4		20.0			
Perfluoropentanoic acid (PFPeA)	2.1040 1.9094	2.1270 2.0214	2.0521 1.9112	2.0040	2.0401	AveI D		2.021 1				3.9		20.0			
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.1314 1.9081	2.2268 2.0274	2.0370	2.1028	2.0560	AveI D		2.069 9				4.8		20.0			
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	2.1302 1.7421	1.7893 1.7838	1.7342	1.9195	1.8453	AveI D		1.849 2				7.5		20.0			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.3736 0.2514	0.3028 0.2808	0.2849	0.2673	0.2905	AveI D		0.293 1				13.4		20.0			
Perfluorohexanoic acid (PFHxA)	0.8975 0.7992	0.8524 0.8687	0.8019 0.7929	0.8013	0.8305	AveI D		0.830 5				4.7		20.0			
5:3 FTCA	0.0995 0.0988	0.1126 0.1100	0.0970	0.0946	0.1022	AveI D		0.102 1				6.6		20.0			
Perfluorobutanesulfonic acid (PFBS)	1.1548 1.0475	1.0952 1.0182	0.9884 0.9466	0.9978	1.0211	AveI D		1.033 7				6.3		20.0			
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.2405 1.0232	1.0738 0.9869	1.0392 0.9262	0.9898	1.0053	AveI D		1.035 6				9.0		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 Job No.: 410-254628-1 Analy Batch No.: 738495
Environment Testing, LLC

SDG No.: _____

Instrument ID: 30577 GC Column: Gemini C18 5 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2025 15:58 Calibration End Date: 12/03/2025 17:33 Calibration ID: 79333

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)	0.7847 0.6851	0.7626 0.7572	0.6307	0.6676	0.6693	AveI n		0.708 2				8.3		20.0			
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	3.2499 2.7816	3.1794 2.9214	2.8148	2.8962	2.9384	AveI n		2.968 8				6.0		20.0			
Perfluoroheptanoic acid (PFHpA)	0.6835 0.7602	0.7786 0.7695	0.7101 0.7960	0.7157	0.7473	AveI n		0.745 1				5.2		20.0			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.8200 3.3758	3.6250 3.1377	3.2736 2.8009	3.2695	3.4269	AveI n		3.341 2				9.2		20.0			
Perfluoropentanesulfonic acid (PFPeS)	1.2513 1.1530	1.2753 1.1664	1.1454 1.0810	1.1815	1.1551	AveI n		1.176 1				5.2		20.0			
1H,1H,2H,2H-perfluorooctanesulfoni c acid (6:2)	1.9132 1.7531	1.8542 1.8737	1.6372	1.7731	1.9241	AveI n		1.818 4				5.7		20.0			
Bis(trifluoromethane)sulfonamide (TFSl)	2.9529 2.5571	2.9694 2.7503	2.6574	2.5799	2.5738	AveI n		2.720 1				6.5		20.0			
Perfluorooctanoic acid (PFOA)	0.5403 0.5447	0.6406 0.5887	0.5552 0.6075	0.5787	0.5473	AveI n		0.575 4				6.2		20.0			
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.0529 0.0499	0.0443 0.0574	0.0468	0.0489	0.0572	AveI n		0.051 1				9.8		20.0			
Perfluorohexanesulfonic acid (PFHxS)	1.2671 0.9330	1.0787 0.9603	0.9490 0.9536	0.9354	0.9541	AveI n		1.003 9				11.6		20.0			
Perfluorononanoic acid (PFNA)	0.8718 0.7936	0.8032 0.8401	0.7868 0.7666	0.8074	0.8332	AveI n		0.812 8				4.1		20.0			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.7819 1.7292	1.8176 1.5876	1.6143	1.6098	1.8602	AveI n		1.714 4				6.5		20.0			
Perfluoro-4-ethylcyclohexanesulfon ic acid (PFECBS)	0.2227 0.2489	0.2492 0.2605	0.2231	0.2426	0.2467	AveI n		0.242 0				5.8		20.0			
Perfluoroheptanesulfonic acid (PFHpS)	1.4157 1.3289	1.2681 1.3933	1.3330 1.2724	1.3741	1.3796	AveI n		1.345 6				4.1		20.0			
NMeFOSAA	0.9933 1.0664	1.0430 1.0188	0.9765	1.0351	1.0367	AveI n		1.024 3				3.0		20.0			
Perfluorodecanoic acid (PFDA)	0.6038 0.5867	0.6184 0.6525	0.5594	0.6022	0.5926	AveI n		0.602 2				4.8		20.0			
Perfluorohexanesulfonamide (FHxSA)	1.3728 1.1849	1.3389 1.2774	1.1881	1.1757	1.1683	AveI n		1.243 7				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 Job No.: 410-254628-1 Analy Batch No.: 738495
Environment Testing, LLC

SDG No.: _____

Instrument ID: 30577 GC Column: Gemini C18 5 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2025 15:58 Calibration End Date: 12/03/2025 17:33 Calibration ID: 79333

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								
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.8033 0.8095	0.9153 0.8380	0.8350	0.8597	0.8097	AveI n		0.838 6				4.7		20.0			
Perfluorooctanesulfonic acid (PFOS)	1.7358 1.4065	1.5662 1.4917	1.4496 1.4654	1.4879	1.4191	AveI n		1.502 8				7.1		20.0			
Perfluoroundecanoic acid (PFUnA)	0.7487 0.7882	0.8333 0.8107	0.7365	0.8177	0.8224	AveI n		0.793 9				4.8		20.0			
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	3.1525 2.9132	2.8851 3.1454	2.7602	2.9796	2.9334	AveI n		2.967 1				4.8		20.0			
Perfluorononanesulfonic acid (PFNS)	1.1259 0.9596	1.0121 1.0483	0.9535	1.0033	1.0180	AveI n		1.017 2				5.7		20.0			
Perfluorododecanoic acid (PFDoA)	0.7043 0.7261	0.8268 0.7777	0.6938	0.7234	0.6926	AveI n		0.734 9				6.8		20.0			
Perfluorodecanesulfonic acid (PFDS)	1.2504 1.1684	1.2045 1.2462	1.0874	1.1964	1.2129	AveI n		1.195 2				4.6		20.0			
Perfluorooctanesulfonamide	1.0128 0.9222	0.9780 0.9816	0.9183	0.9475	0.9401	AveI n		0.957 2				3.6		20.0			
Perfluorotridecanoic acid (PFTrDA)	1.4396 1.3047	1.4810 1.3254	1.3130	1.3494	1.3144	AveI n		1.361 1				5.2		20.0			
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	2.0082 1.8893	2.0309 2.0537	1.8535	1.9129	2.0519	AveI n		1.971 5				4.3		20.0			
Perfluorotetradecanoic acid (PFTeDA)	0.1897 0.1821	0.2118 0.1769	0.1902	0.1794	0.1904	AveI n		0.188 6				6.2		20.0			
Perfluorododecanesulfonic acid (PFDoS)	1.0276 0.9880	1.0503 1.0574	0.9330	0.9582	0.9855	AveI n		1.000 0				4.7		20.0			
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	2.8991 2.6008	2.9478 2.7387	2.5572	2.7313	2.7121	AveI n		2.741 0				5.2		20.0			
N-methylperfluorooctane sulfonamide (NMeFOSA)	1.0495 0.9546	1.0312 0.9902	0.9872	1.0080	0.9386	AveI n		0.994 2				4.0		20.0			
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	3.7283 3.2117	3.4519 3.3673	3.0978	3.2240	3.4025	AveI n		3.354 8				6.1		20.0			
N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.0142 0.8744	0.9430 0.8875	0.8878	0.9094	0.8889	AveI n		0.915 0				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 Job No.: 410-254628-1 Analy Batch No.: 738495
Environment Testing, LLC

SDG No.: _____

Instrument ID: 30577 GC Column: Gemini C18 5 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2025 15:58 Calibration End Date: 12/03/2025 17:33 Calibration ID: 79333

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)	1.1265 1.1777	1.0644 1.1450	1.0039	1.0257	1.0431	AveI n		1.083 8				6.1		20.0			
13C3 PFPrA	0.6446 0.6845	0.6808 0.7332	0.7013 ++++	0.6962	0.7029	Ave		0.691 9				3.9		20.0			
13C4 PFBA	1.0001 1.0657	1.0158 1.1373	1.0474 1.0407	1.0340	1.0563	Ave		1.049 7				3.9		20.0			
13C5 PFPeA	0.5439 0.5645	0.5153 0.5856	0.5196 0.5289	0.5218	0.5452	Ave		0.540 6				4.5		20.0			
M2-4:2 FTS	0.2205 0.2152	0.2347 0.2396	0.2335 ++++	0.2248	0.2252	Ave		0.227 7				3.8		20.0			
13C5 PFHxA	1.0902 1.1334	1.1113 1.2061	1.1453 1.1108	1.1089	1.1226	Ave		1.128 6				3.1		20.0			
13C3 PFBS	1.1608 1.2220	1.1989 1.3998	1.2388 1.1587	1.2013	1.2651	Ave		1.230 7				6.3		20.0			
13C3 HFPO-DA	0.8185 0.8241	0.8187 0.9454	0.8536 0.9037	0.8586	0.8609	Ave		0.860 5				5.2		20.0			
13C4 PFHpA	1.1692 1.1705	1.1523 1.2878	1.2087 1.1402	1.1337	1.2282	Ave		1.186 3				4.4		20.0			
M2-6:2 FTS	0.1919 0.1826	0.2094 0.1832	0.2176 ++++	0.2047	0.1953	Ave		0.197 8				6.7		20.0			
13C8 PFOA	0.9652 1.0101	1.0197 1.1141	1.0081 1.0239	1.0380	1.0342	Ave		1.026 7				4.1		20.0			
13C3 PFHxS	0.9101 1.0034	0.9876 1.1173	0.9730 0.9787	0.9846	1.0590	Ave		1.001 7				6.2		20.0			
13C9 PFNA	0.9614 0.9688	0.9340 1.1056	0.9778 0.9629	0.9458	0.9775	Ave		0.979 2				5.4		20.0			
13C2 8:2 FTS	0.1848 0.1718	0.1837 0.1999	0.1858 ++++	0.1899	0.1785	Ave		0.184 9				4.8		20.0			
d3-NMeFOSAA	0.3884 0.3806	0.4032 0.4564	0.4147 ++++	0.4258	0.4559	Ave		0.417 9				7.2		20.0			
13C6 PFDA	1.0114 0.9631	0.9612 1.0775	1.0764 1.0487	1.0109	1.0121	Ave		1.020 2				4.4		20.0			
d5-NEtFOSAA	0.3434 0.3477	0.3496 0.4199	0.3558 ++++	0.3554	0.4144	Ave		0.369 5				8.9		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 Job No.: 410-254628-1 Analy Batch No.: 738495
Environment Testing, LLC

SDG No.:

Instrument ID: 30577 GC Column: Gemini C18 5 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2025 15:58 Calibration End Date: 12/03/2025 17:33 Calibration ID: 79333

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	0.9633 0.9556	0.9803 1.0692	1.0186 0.9941	0.9850	1.0640	Ave		1.003 8				4.3		20.0			
13C7 PFUnA	1.1619 1.0767	1.0461 1.1678	1.1433 1.1287	1.1225	1.0641	Ave		1.113 9				4.1		20.0			
13C2 PFDoA	1.0118 1.0173	0.9601 1.0404	1.0662 1.0250	1.0149	1.0309	Ave		1.020 9				3.0		20.0			
13C8 FOSA	1.1128 1.1002	1.1463 1.2865	1.1665 +++++	1.1719	1.2345	Ave		1.174 1				5.6		20.0			
13C2 PFTeDA	0.6192 0.6134	0.6023 0.6842	0.6449 0.6627	0.6568	0.5995	Ave		0.635 4				4.9		20.0			
d7-N-MeFOSE-M	0.0798 0.0841	0.0795 0.0956	0.0869 +++++	0.0830	0.0892	Ave		0.085 4				6.7		20.0			
d3-NMePFOSA	0.3120 0.3326	0.3126 0.3867	0.3195 +++++	0.3379	0.3656	Ave		0.338 1				8.4		20.0			
d9-N-EtFOSE-M	0.0943 0.0992	0.0975 0.1103	0.1008 +++++	0.1016	0.1078	Ave		0.101 7				5.5		20.0			
d5-NEtPFOSA	0.3773 0.3966	0.3924 0.4663	0.3916 +++++	0.3994	0.4386	Ave		0.408 9				7.7		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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

Analy Batch No.: 738495

SDG No.:

Instrument ID: 30577 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2025 15:58 Calibration End Date: 12/03/2025 17:33 Calibration ID: 79333

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-738495/1	25DEC03CAL-01.d
Level 2	IC 410-738495/2	25DEC03CAL-02.d
Level 3	IC 410-738495/3	25DEC03CAL-03.d
Level 4	IC 410-738495/4	25DEC03CAL-04.d
Level 5	ICISAV 410-738495/5	25DEC03CAL-05.d
Level 6	IC 410-738495/6	25DEC03CAL-06.d
Level 7	IC 410-738495/7	25DEC03CAL-07.d
Level 8	IC 410-738495/8	25DEC03CAL-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	134721 12598407	360497 24002969	1330771	2638563	6687608	0.250 25.0	0.625 50.0	2.50	5.00	12.5
Perfluorobutanoic acid (PFBA)		AveID	84839 7604064	207286 14614153	760975 52602010	1518780	3895836	0.100 10.0	0.250 20.0	1.00 100	2.00	5.00
Perfluoro-3-methoxypropanoic acid (PFMPA)		AveID	40478 3930610	101480 7632922	386573	744234	2007687	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
3:3 FTCA		AveID	3902 354202	9349 726023	32584	73823	179520	0.100 10.0	0.250 20.0	1.00	2.00	5.00
Perfluoropentanoic acid (PFPeA)		AveID	53290 5011197	130733 9672087	488939 38041040	976217	2559761	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
Perfluoro-4-methoxybutanoic acid (PFMBA)		AveID	53983 5007899	136866 9700513	485331	1024351	2579751	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)		AveID	42740 3221013	91387 6224568	358629	760321	1796866	0.0938 9.38	0.235 18.8	0.938	1.88	4.69
Nonafluoro-3,6-dioxahheptanoic acid (NFDHA)		AveID	18967 1324722	40139 2766734	149634	276780	750553	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorohexanoic acid (PFHxA)		AveID	45565 4211027	112981 8560251	421116 33145135	829598	2145523	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
5:3 FTCA		AveID	25263 2603761	74649 5419283	254699	489939	1320417	0.250 25.0	0.625 50.0	2.50	5.00	12.5
Perfluorobutanesulfonic acid (PFBS)		AveID	57729 5205020	135243 9827307	513220 34225781	999856	2643605	0.0444 4.44	0.111 8.88	0.444 44.4	0.888	2.22
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)		AveID	35463 2940358	78640 5717460	305056 31498930	595090	1493954	0.0375 3.75	0.0938 7.50	0.375 50.0	0.750	1.88

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

Analy Batch No.: 738495

SDG No.:

Instrument ID: 30577 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2025 15:58 Calibration End Date: 12/03/2025 17:33 Calibration ID: 79333

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
Perfluorobutanesulfonamide (FBSA)		AveID	44174 3833828	106052 8229974	368773	753376	1951432	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)		AveID	147169 13074208	375911 25679907	1318560	2674631	6771578	0.0446 4.46	0.112 8.92	0.446	0.892	2.23
Perfluoroheptanoic acid (PFHpA)		AveID	37211 4137103	107009 8096468	393545 34157476	757502	2112288	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)		AveID	137742 12235454	334855 22928882	1212150 67584123	2479526	6423230	0.0473 4.73	0.118 9.46	0.473 35.5	0.946	2.37
Perfluoropentanesulfonic acid (PFPeS)		AveID	51917 4979793	137321 9511746	494463 34947687	1027192	2650136	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	33895 2790952	85748 5075235	320188	649081	1648603	0.0952 9.52	0.238 19.0	0.952	1.90	4.76
Bis(trifluoromethane)sulfonamide (TFSI)		AveID	127601 11502337	333011 23358020	1194824	2335974	6149822	0.0490 4.90	0.122 9.79	0.490	0.979	2.45
Perfluorooctanoic acid (PFOA)		AveID	39220 3906378	117836 8352569	402789 37014583	812322	2021638	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
3-Perfluoroheptylpropanoic acid (7:3 FTCA)		AveID	13430 1314056	29351 2829181	122925	252917	738808	0.250 25.0	0.625 50.0	2.50	5.00	12.5
Perfluorohexanesulfonic acid (PFHxS)		AveID	51005 3909696	112697 7597301	397501 29912147	788958	2123771	0.0456 4.56	0.114 9.12	0.456 45.6	0.912	2.28
Perfluorononanoic acid (PFNA)		AveID	49511 4736133	117867 9583233	456612 37792711	917477	2447933	0.0500 5.00	0.125 10.0	0.500 50.0	1.00	2.50
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)		AveID	30667 2611828	74351 4729964	271894	551348	1469547	0.0960 9.60	0.240 19.2	0.960	1.92	4.80
Perfluoro-4-ethylcyclohexanesulfonic acid (PFECBS)		AveID	9083 1056741	26372 2087939	94690	207342	556470	0.0462 4.62	0.116 9.24	0.462	0.924	2.31
Perfluoroheptanesulfonic acid (PFHpS)		AveID	52486 4920525	119423 9643725	512064 35859990	974537	2603003	0.0477 4.77	0.119 9.54	0.477 47.7	0.954	2.39
NMeFOSAA		AveID	15565 1648348	42345 3155178	160101	332686	878509	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorodecanoic acid (PFDA)		AveID	36613	93258	350163	716137	1866484	0.0500	0.125	0.500	1.00	2.50

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-254628-1 Analy Batch No.: 738495
Environment Testing, LLC

SDG No.:

Instrument ID: 30577 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2025 15:58 Calibration End Date: 12/03/2025 17:33 Calibration ID: 79333

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
			3394015	7614427				5.00	10.0			
Perfluorohexanesulfonamide (FHxSA)		AveID	60593 5444326	153375 11081507	545643	1087383	2851474	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
N-ethylperfluorooctanesulfonamidoacetic acid (NETFOSAA)		AveID	11128 1143128	32221 2387923	117462	230616	623675	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorooctanesulfonic acid (PFOS)		AveID	62735 5076968	143785 10064989	542864 40259155	1028701	2610245	0.0465 4.65	0.116 9.30	0.465 46.5	0.930	2.33
Perfluoroundecanoic acid (PFUnA)		AveID	52158 5097598	136757 10254103	489680	1079734	2723541	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)		AveID	114424 10560625	266006 21314704	1038104	2068918	5418655	0.0467 4.67	0.117 9.34	0.467	0.934	2.34
Perfluorononanesulfonic acid (PFNS)		AveID	42091 3582951	96110 7316876	369362	717525	1936889	0.0481 4.81	0.120 9.62	0.481	0.962	2.41
Perfluorododecanoic acid (PFDoA)		AveID	42726 4437081	124535 8762898	430185	863666	2222046	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorodecanesulfonic acid (PFDS)		AveID	46843 4371633	114622 8715817	422108	857419	2312568	0.0482 4.82	0.121 9.64	0.482	0.964	2.41
Perfluorooctanesulfonamide		AveID	45467 4121203	112899 8568506	423458	838089	2157156	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorotridecanoic acid (PFTrDA)		AveID	70389 6389959	181512 12378101	653279	1326823	3334597	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)		AveID	73671 6922108	189255 14065643	704561	1342477	3830873	0.0472 4.72	0.118 9.44	0.472	0.944	2.36
Perfluorotetradecanoic acid (PFTeDA)		AveID	7041 670802	20015 1310892	71337	138613	355184	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
Perfluorododecanesulfonic acid (PFDoS)		AveID	38734 3719541	100573 7441389	364443	690972	1890595	0.0485 4.85	0.121 9.70	0.485	0.970	2.43
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)		AveID	46650 4442254	117936 8885772	439230	855276	2248500	0.250 25.0	0.625 50.0	2.50	5.00	12.5
N-methylperfluorooctane sulfonamide (NMeFOSA)		AveID	13211 1289461	32463 2597827	124708	257092	637898	0.0500 5.00	0.125 10.0	0.500	1.00	2.50
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)		AveID	70913 6471126	169526 12605084	617498	1236363	3408963	0.250 25.0	0.625 50.0	2.50	5.00	12.5

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

Analy Batch No.: 738495

SDG No.:

Instrument ID: 30577 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2025 15:58 Calibration End Date: 12/03/2025 17:33 Calibration ID: 79333

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
N-ethylperfluorooctane sulfonamide (NEtFOSA)		AveID	15438	37260	137466	274164	724694	0.0500	0.125	0.500	1.00	2.50
			1408483	2807938				5.00	10.0			
Perfluoro-n-octadecanoic acid (PFODA)		AveID	41817	100572	376488	792462	1946253	0.0500	0.125	0.500	1.00	2.50
			4339266	8484822				5.00	10.0			
13C3 PFPrA	13C3P FBA	Ave	1109686	1133502	1151209	1116969	1136244	2.00	2.00	2.00	2.00	2.00
			1077707	1002198	+++++			2.00	2.00	+++++		
13C4 PFBA	13C3P FBA	Ave	1721757	1691374	1719408	1658944	1707556	2.00	2.00	2.00	2.00	2.00
			1677862	1554488	1173505			2.00	2.00	2.00		
13C5 PFPeA	PFHxA	Ave	1013121	983431	953044	974281	1003788	2.00	2.00	2.00	2.00	2.00
			1049817	956951	796188			2.00	2.00	2.00		
M2-4:2 FTS	PFHxS	Ave	1003201	1021455	1034005	990244	973763	4.69	4.69	4.69	4.69	4.69
			924488	872358	+++++			4.69	4.69	+++++		
13C5 PFHxA	PFHxA	Ave	2030702	2120771	2100636	2070586	2066820	2.00	2.00	2.00	2.00	2.00
			2107748	1970920	1672153			2.00	2.00	2.00		
13C3 PFBS	PFHxS	Ave	2098708	2073707	2179845	2103401	2173823	1.86	1.86	1.86	1.86	1.86
			2086133	2025932	1517977			1.86	1.86	1.86		
13C3 HFPO-DA	PFHxA	Ave	1524653	1562343	1565648	1603319	1585076	2.00	2.00	2.00	2.00	2.00
			1532560	1544934	1360365			2.00	2.00	2.00		
13C4 PFHpA	PFHxA	Ave	2177823	2199017	2216892	2116859	2261180	2.00	2.00	2.00	2.00	2.00
			2176731	2104361	1716430			2.00	2.00	2.00		
M2-6:2 FTS	PFHxS	Ave	885842	924922	977832	915191	856804	4.76	4.76	4.76	4.76	4.76
			796021	677162	+++++			4.76	4.76	+++++		
13C8 PFOA	PFOA	Ave	2903686	2942980	2901984	2807412	2955178	2.00	2.00	2.00	2.00	2.00
			2868658	2837790	2437068			2.00	2.00	2.00		
13C3 PFHxS	PFHxS	Ave	1673741	1737553	1741519	1753544	1851022	1.90	1.90	1.90	1.90	1.90
			1742338	1644777	1304171			1.90	1.90	1.90		
13C9 PFNA	PFNA	Ave	2271680	2347863	2321328	2272686	2350347	2.00	2.00	2.00	2.00	2.00
			2387176	2281354	1972086			2.00	2.00	2.00		
13C2 8:2 FTS	PFHxS	Ave	860518	818117	842139	856245	790005	4.80	4.80	4.80	4.80	4.80
			755196	744834	+++++			4.80	4.80	+++++		
d3-NMeFOSAA	PFOS	Ave	1566937	1623918	1639512	1607101	1694777	5.00	5.00	5.00	5.00	5.00
			1545687	1548522	+++++			5.00	5.00	+++++		
13C6 PFDA	PFDA	Ave	2425478	2412793	2503832	2378309	2519580	2.00	2.00	2.00	2.00	2.00
			2314046	2334008	2461805			2.00	2.00	2.00		
d5-NETFOSAA	PFOS	Ave	1385299	1408113	1406658	1341285	1540603	5.00	5.00	5.00	5.00	5.00
			1412152	1424720	+++++			5.00	5.00	+++++		
13C8 PFOS	PFOS	Ave	1489160	1513093	1543059	1424413	1515763	1.92	1.92	1.92	1.92	1.92

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-254628-1 Analy Batch No.: 738495
Environment Testing, LLC

SDG No.: _____

Instrument ID: 30577 GC Column: Gemini C18 ID: 3(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2025 15:58 Calibration End Date: 12/03/2025 17:33 Calibration ID: 79333

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
			1487297	1390126	1132004			1.92	1.92	1.92		
13C7 PFUnA	PFDA	Ave	2786484 2586925	2625896 2529605	2659384 2649633	2640915	2649231	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C2 PFDoA	PFDA	Ave	2426621 2444329	2410102 2253665	2480155 2406279	2387778	2566487	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
13C8 FOSA	PFOS	Ave	1795644 1787504	1847006 1745881	1844579 +++++	1769105	1835668	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00
13C2 PFTeDA	PFDA	Ave	1484880 1473752	1511842 1482031	1500087 1555655	1545264	1492608	2.00 2.00	2.00 2.00	2.00 2.00	2.00	2.00
d7-N-MeFOSE-M	PFOS	Ave	321823 341612	320063 324457	343521 +++++	313143	331624	5.00 5.00	5.00 5.00	5.00 +++++	5.00	5.00
d3-NMePFOSA	PFOS	Ave	503525 540324	503698 524734	505313 +++++	510098	543708	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00
d9-N-EtFOSE-M	PFOS	Ave	380409 402970	392882 374340	398669 +++++	383484	400765	5.00 5.00	5.00 5.00	5.00 +++++	5.00	5.00
d5-NEtPFOSA	PFOS	Ave	608855 644335	632227 632762	619335 +++++	602937	652197	2.00 2.00	2.00 2.00	2.00 +++++	2.00	2.00

Curve Type Legend:

Ave = Average ISTD
AveID = Average isotope dilution

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\25DEC03CAL-01.d
 Lims ID: IC CAL 1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 03-Dec-2025 15:58:16 ALS Bottle#: 2 Worklist Smp#: 1
 Injection Vol: 7.0 ul Dil. Factor: 1.0000
 Sample Info: IC CAL 1
 Misc. Info.: Plate: 1 Rack: 1 410-0168744-001
 Operator ID: ETUS023_USR_INS00009 Instrument ID: 30577
 Sublist: chrom-30577-1633-125*sub7
 Method: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\30577-1633-125.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 03-Dec-2025 20:29:19 Calib Date: 03-Dec-2025 17:33:28
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\25DEC03CAL-08.d
 Column 1 : Det: EXP1
 Process Host: CTX1687

First Level Reviewer: XBL5

Date: 03-Dec-2025 18:46:57

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	1.930	1.947	-0.017	0.470	1109686	1.86		93.2	2214	
2 Perfluoropropionic acid										
163.00 > 119.00	1.947	1.947	0.0	1.009	134721	0.2539		102	611	
3 PFBA										
212.80 > 168.90	4.099	4.112	-0.013	0.998	84839	0.1062		106	864	
D 4 13C4-PFBA										
216.80 > 171.90	4.106	4.112	-0.006	1.000	1721757	1.91		95.3	3527	
* 5 13C3PFBA										
216.00 > 172.00	4.106	4.118	-0.012		1721641	2.00			4416	
6 PFMPA										
229.00 > 84.90	4.458	4.466	-0.008	0.930	40478	0.0504		101	489	
7 3:3 FTCA										
241.00 > 177.00	4.483	4.491	-0.008	0.935	3902	0.1053	Target=1.07	105	148	Ma
241.00 > 117.00	4.483	4.491	-0.008	0.935	3934		0.99(0.54-1.61)	105	28.4	a M
9 PFPA										
263.00 > 219.00	4.795	4.802	-0.007	1.000	53290	0.0520		104	51.1	
D 8 13C5 PFPeA										
268.30 > 223.00	4.795	4.802	-0.007	0.913	1013121	2.01		101	4304	
10 PFMBa										
279.00 > 85.10	4.946	4.954	-0.008	1.031	53983	0.0515		103	523	
12 4:2FTS										
327.10 > 307.00	5.074	5.074	0.0	1.000	42740	0.1081	Target=1.69	115	271	
327.10 > 80.90	5.074	5.074	0.0	1.000	23259		1.84(0.85-2.54)	115	17.4	
D 11 13C2-4:2FTS										
329.10 > 80.90	5.074	5.074	0.0	0.806	1003201	4.54		96.9	4449	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.207	5.218	-0.011	0.992	18967	0.0637	Target=1.50	127	101	
295.00 > 84.90	5.207	5.218	-0.011	0.992	10980		1.73(0.75-2.25)	127	95.1	
* 16 13C2 PFHxA										
315.10 > 270.00	5.250	5.260	-0.010		4656818	5.00			10679	
D 15 13C5 PFHxA										
318.00 > 273.00	5.250	5.260	-0.010	1.000	2030702	1.93		96.6	4814	
17 PFHxA										
313.00 > 269.00	5.250	5.260	-0.010	1.000	45565	0.0540	Target=10.04	108	161	
313.00 > 118.90	5.240	5.260	-0.020	0.998	5196		8.77(5.02-15.06)	108	40.3	
18 5:3 FTCA										
341.00 > 237.10	5.347	5.348	-0.001	1.018	25263	0.2436	Target=0.69	97.5	83.8	
341.00 > 217.00	5.337	5.348	-0.011	1.017	37996		0.66(0.35-1.04)	97.5	53.3	
D 19 13C3 PFBS										
302.10 > 79.90	5.378	5.389	-0.011	0.854	2098708	1.76		94.3	6366	
20 PFBS										
298.70 > 79.90	5.378	5.389	-0.011	1.000	57729	0.0496	Target=2.81	112	248	
298.70 > 98.80	5.378	5.389	-0.011	1.000	23892		2.42(1.40-4.21)	112	135	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.431	5.442	-0.011	1.034	1524653	1.90		95.1	5488	
23 HFPO-DA										
284.90 > 168.90	5.431	5.442	-0.011	1.000	35463	0.0449	Target=2.38	120	206	
284.90 > 184.90	5.431	5.442	-0.011	1.000	14320		2.48(1.19-3.57)	120	139	
21 FBSA										
297.90 > 78.00	5.475	5.476	-0.001	1.018	44174	0.0554		111	332	
26 PFEESA										
314.80 > 134.90	5.619	5.620	-0.001	1.070	147169	0.0488	Target=13.39	109	507	
314.80 > 82.90	5.609	5.620	-0.011	1.068	10719		13.73(6.69-20.08)	109	61.0	
D 28 13C4 PFHpA										
367.10 > 322.00	5.672	5.672	0.0	1.080	2177823	1.97		98.6	6445	
27 PFHpA										
363.10 > 319.00	5.672	5.684	-0.012	1.000	37211	0.0459	Target=1.71	91.7	144	
363.10 > 169.00	5.672	5.684	-0.012	1.000	26414		1.41(0.86-2.57)	91.7	135	
29 ADONA										
376.90 > 250.90	5.830	5.830	0.0	1.073	137742	0.0541	Target=2.10	114	587	
376.90 > 84.80	5.830	5.830	0.0	1.073	61590		2.24(1.05-3.15)	114	150	
30 PFPeS										
349.10 > 79.90	5.853	5.865	-0.012	0.930	51917	0.0500	Target=3.08	106	267	
349.10 > 98.90	5.853	5.865	-0.012	0.930	18291		2.84(1.54-4.62)	106	82.0	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.875	5.876	-0.001	0.933	885842	4.62		97.0	4220	
31 6:2FTS										
427.10 > 407.00	5.875	5.876	-0.001	1.000	33895	0.1002	Target=1.60	105	8.4	
427.10 > 80.90	5.875	5.876	-0.001	1.000	24389		1.39(0.80-2.40)	105	11.1	
33 BTS										
280.00 > 147.00	6.012	6.014	-0.002	0.955	127601	0.0531		109	381	
* 34 13C4 PFOA										
417.10 > 372.00	6.075	6.084	-0.009		7520915	5.00			6256	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 35 13C8 PFOA										
421.10 > 376.00	6.075	6.084	-0.009	1.000	2903686	1.88		94.0	4539	
36 PFOA										
413.00 > 369.00	6.075	6.084	-0.009	1.000	39220	0.0470	Target=1.64	93.9	42.2	
413.00 > 169.00	6.075	6.084	-0.009	1.000	28821		1.36(0.82-2.46)	93.9	40.1	
37 7:3 FTCA										
441.00 > 316.90	6.185	6.176	0.009	1.178	13430	0.2591	Target=0.27	104	50.1	
441.00 > 336.90	6.175	6.176	-0.001	1.176	48020		0.28(0.14-0.41)	104	223	
D 38 13C3 PFHxS										
402.10 > 79.90	6.296	6.297	-0.001	1.000	1673741	1.72		90.9	4525	
* 39 18O2 PFHxS										
403.00 > 83.90	6.296	6.297	-0.001		1839086	1.90			5458	
40 PFHxS										
398.70 > 79.90	6.296	6.306	-0.010	1.000	51005	0.0576	Target=3.19	126	114	
398.70 > 98.90	6.287	6.306	-0.019	0.999	13608		3.75(1.60-4.78)	126	44.0	
* 42 13C5 PFNA										
468.00 > 423.00	6.471	6.479	-0.008		2362839	2.00			5850	
D 41 13C9 PFNA										
472.10 > 427.00	6.480	6.479	0.001	1.001	2271680	1.96		98.2	4365	
43 PFNA										
463.00 > 419.00	6.480	6.479	0.001	1.000	49511	0.0536	Target=1.91	107	70.0	
463.00 > 219.00	6.480	6.479	0.001	1.000	27314		1.81(0.96-2.87)	107	40.7	
D 44 13C2-8:2FTS										
529.10 > 80.90	6.655	6.666	-0.011	1.057	860518	4.80		99.9	3058	
45 8:2FTS										
527.10 > 507.00	6.655	6.666	-0.011	1.000	30667	0.0998	Target=1.66	104	82.4	
527.10 > 80.80	6.655	6.666	-0.011	1.000	20646		1.49(0.83-2.49)	104	91.9	
46 PFECHS										
461.00 > 381.00	6.687	6.686	0.001	1.062	9083	0.0425	Target=0.20	92.0	54.6	
461.00 > 99.00	6.687	6.686	0.001	1.062	52195		0.17(0.10-0.30)	92.0	251	
47 PFHpS										
449.00 > 79.90	6.716	6.725	-0.009	0.942	52486	0.0502	Target=3.28	105	258	
449.00 > 98.80	6.716	6.725	-0.009	0.942	16618		3.16(1.64-4.92)	105	95.5	
D 49 d3-NMeFOSAA										
573.20 > 419.00	6.824	6.823	0.001	0.957	1566937	4.65		93.0	3614	
50 NMeFOSAA										
570.10 > 419.00	6.834	6.833	0.001	1.001	15565	0.0485	Target=1.60	97.0	4.0	
570.10 > 483.00	6.804	6.833	-0.029	0.997	11800		1.32(0.80-2.40)	97.0	14.0	
D 52 13C6 PFDA										
519.10 > 474.10	6.882	6.881	0.001	1.000	2425478	1.98		99.1	4667	
* 51 13C2 PFDA										
515.10 > 470.10	6.882	6.881	0.001		2398247	2.00			5088	
53 PFDA										
512.90 > 469.00	6.873	6.881	-0.008	0.999	36613	0.0501	Target=2.79	100	146	
512.90 > 219.00	6.873	6.881	-0.008	0.999	13688		2.67(1.39-4.18)	100	60.3	
48 FHxSA										
397.90 > 78.00	6.891	6.890	0.001	1.094	60593	0.0552		110	201	

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	6.996	7.005	-0.009	0.981	1385299	4.65		92.9	2896	
55 NEtFOSAA										M
584.20 > 419.10	6.996	7.005	-0.009	1.000	11128	0.0479	Target=1.35	95.8	29.9	
584.20 > 526.00	7.006	7.005	0.001	1.001	9366		1.19(0.67-2.02)	95.8	15.4	M
D 56 13C8 PFOS										
507.10 > 79.90	7.130	7.139	-0.009	1.000	1489160	1.84		96.0	1723	
58 PFOS										
498.90 > 79.90	7.130	7.139	-0.009	1.000	62735	0.0537	Target=4.17	116	121	
498.90 > 98.80	7.130	7.139	-0.009	1.000	12738		4.93(2.08-6.25)	116	45.9	
* 57 13C4 PFOS										
502.80 > 79.90	7.130	7.139	-0.009		1545921	1.92			7440	
D 59 13C7 PFUnA										
570.00 > 525.10	7.283	7.283	0.0	1.058	2786484	2.09		104	7501	
60 PFUnA										
563.10 > 519.00	7.283	7.283	0.0	1.000	52158	0.0472	Target=5.71	94.3	249	
563.10 > 269.10	7.283	7.283	0.0	1.000	11481		4.54(2.86-8.56)	94.3	96.2	
61 9CIFOS										
530.80 > 351.00	7.440	7.451	-0.011	1.043	114424	0.0496	Target=3.03	106	706	
532.80 > 353.00	7.440	7.451	-0.011	1.043	38193		3.00(1.51-4.54)	106	257	
62 PFNS										
548.80 > 79.90	7.534	7.544	-0.010	1.057	42091	0.0532	Target=3.29	111	280	
548.80 > 98.80	7.534	7.544	-0.010	1.057	13620		3.09(1.65-4.94)	111	4455	
63 PFDoA										
613.10 > 569.00	7.688	7.687	0.001		42726	0.0479	Target=4.72	95.8	270	
613.10 > 319.00	7.688	7.687	0.001		7816		5.47(2.36-7.08)	95.8	42.9	
D 81 PFDoA										
615.10 > 570.00	7.679	7.687	-0.008	1.116	2426621	1.98		99.1	5900	
66 PFDS										
599.00 > 79.90	7.937	7.937	0.0	1.113	46843	0.0504	Target=3.35	105	259	
599.00 > 98.80	7.937	7.937	0.0	1.113	13390		3.50(1.67-5.02)	105	31.7	
D 65 13C8 FOSA										
506.10 > 77.80	7.955	7.954	0.001	1.116	1795644	1.90		94.8	6428	
64 PFOSA										M
498.10 > 77.90	7.964	7.963	0.001	1.001	45467	0.0529	Target=40.44	106	109	M
498.10 > 478.00	7.789	7.963	-0.174	0.979	1232		36.91(20.22-60.66)	106	3.5	M
67 PFTrDA										
663.00 > 619.00	8.081	8.081	0.0	0.956	70389	0.0529	Target=7.60	106	420	
663.00 > 168.90	8.081	8.081	0.0	0.956	9417		7.47(3.80-11.40)	106	74.3	
68 11CIFOS										
630.90 > 450.90	8.240	8.250	-0.010	1.156	73671	0.0481	Target=3.14	102	713	
632.90 > 452.90	8.240	8.250	-0.010	1.156	22793		3.23(1.57-4.71)	102	267	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.455	8.464	-0.009	1.229	1484880	1.95		97.4	3799	
69 PFTeDA										
713.10 > 168.90	8.464	8.474	-0.010	1.001	7041	0.0503	Target=1.10	101	55.6	
713.10 > 219.00	8.464	8.474	-0.010	1.001	6892		1.02(0.55-1.65)	101	65.5	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
71 PFDoS										
699.10 > 79.90	8.669	8.668	0.001	1.216	38734	0.0498	Target=3.69	103	232	
699.10 > 98.80	8.669	8.668	0.001	1.216	10782		3.59(1.84-5.53)	103	297	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.815	8.825	-0.010	1.236	321823	4.67		93.4	602	
73 N-MeFOSE-M										
616.10 > 58.90	8.835	8.844	-0.009	1.002	46650	0.2644		106	52.6	M
D 75 d3-NMePFOSA										
515.00 > 219.00	8.933	8.942	-0.009	1.253	503525	1.85		92.3	2733	
74 NMeFOSA										
511.90 > 219.00	8.943	8.942	0.001	1.001	13211	0.0528	Target=0.69	106	59.9	M
511.90 > 169.00	8.933	8.942	-0.009	1.000	18752		0.70(0.34-1.03)	106	41.5	M
D 76 d9-N-EtFOSE										
639.20 > 58.90	9.052	9.066	-0.014	1.270	380409	4.64		92.8	619	
77 N-EtFOSE-M										
630.00 > 58.90	9.081	9.080	0.001	1.003	70913	0.2778		111	111	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.151	9.151	0.001	1.283	608855	1.85		92.3	2204	
79 N-EtFOSA-M										
526.00 > 219.00	9.165	9.164	0.001	1.001	15438	0.0554	Target=0.85	111	85.7	M
526.00 > 169.00	9.165	9.164	0.001	1.001	16865		0.92(0.43-1.28)	111	57.7	M
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.372	9.385	-0.013	1.108	41817	0.0520	Target=16.54	104	511	
913.00 > 169.00	9.372	9.385	-0.013	1.108	2396		17.45(8.27-24.81)	104	108	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

1633_125_CAL1_00074

Amount Added: 1.00

Units: mL

Data File: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\25DEC03CAL-01.d

Injection Date: 03-Dec-2025 15:58:16

Instrument ID: 30577

Lims ID: IC CAL 1

Client ID:

Operator ID: ETUS023_USR_INS00009

ALS Bottle#: 2

Worklist Smp#: 1

Injection Vol: 7.0 ul

Dil. Factor: 1.0000

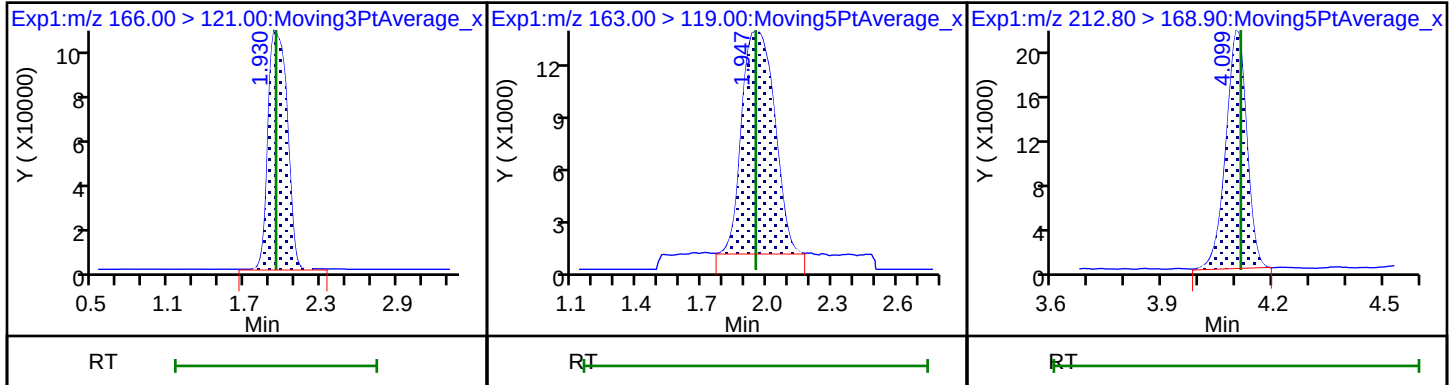
Method: 30577-1633-125

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid

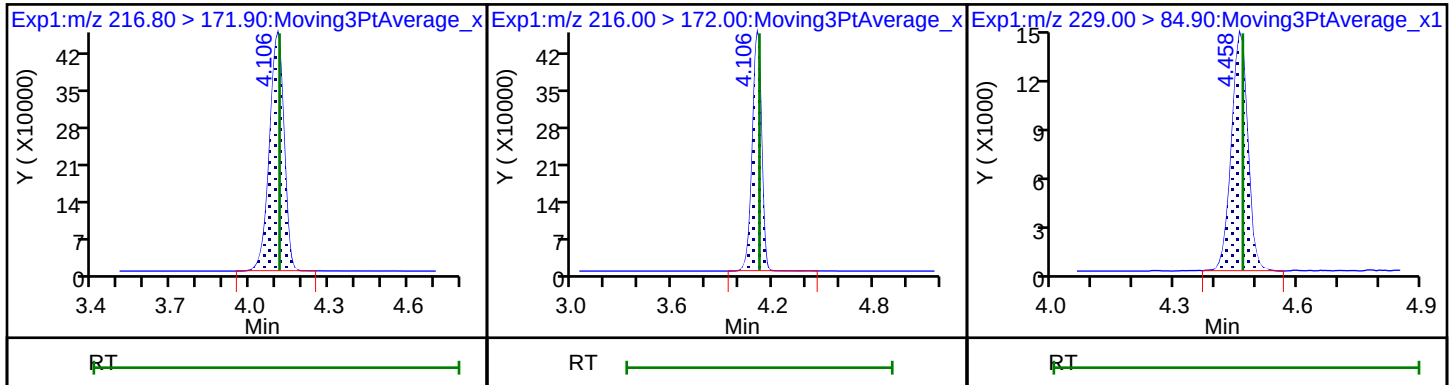
3 PFBA



D 4 13C4-PFBA

* 5 13C3PFBA

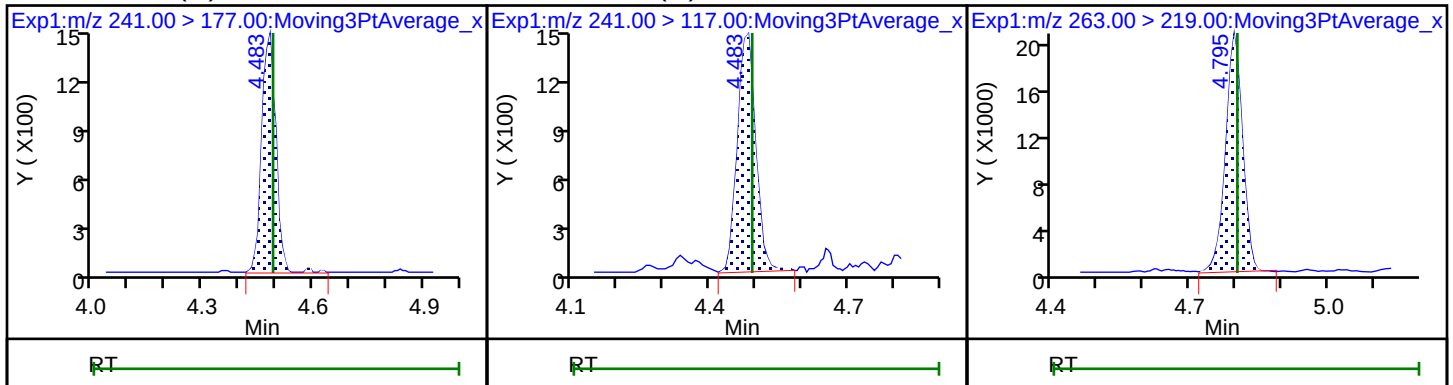
6 PFMPA



7 3:3 FTCA (M)

7 3:3 FTCA (M)

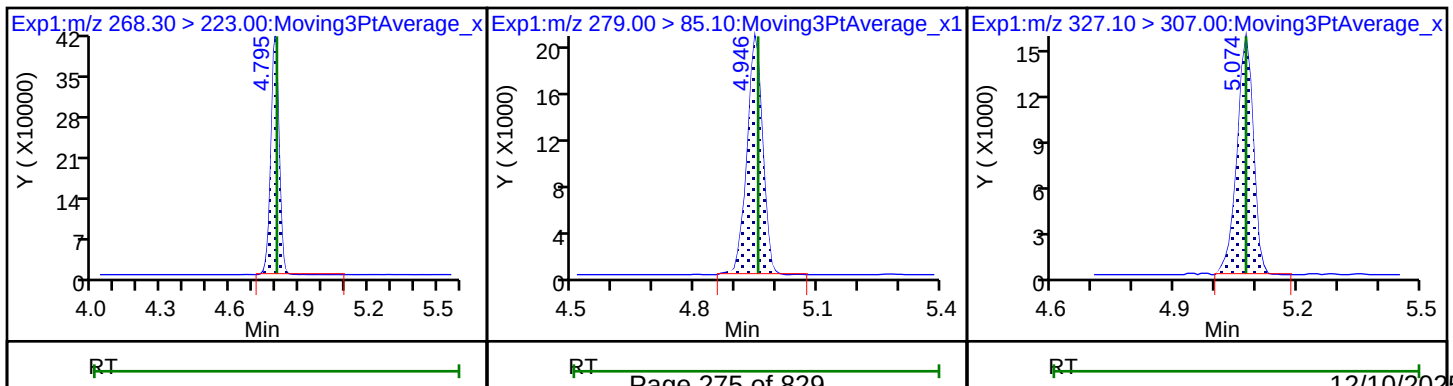
9 PFPA

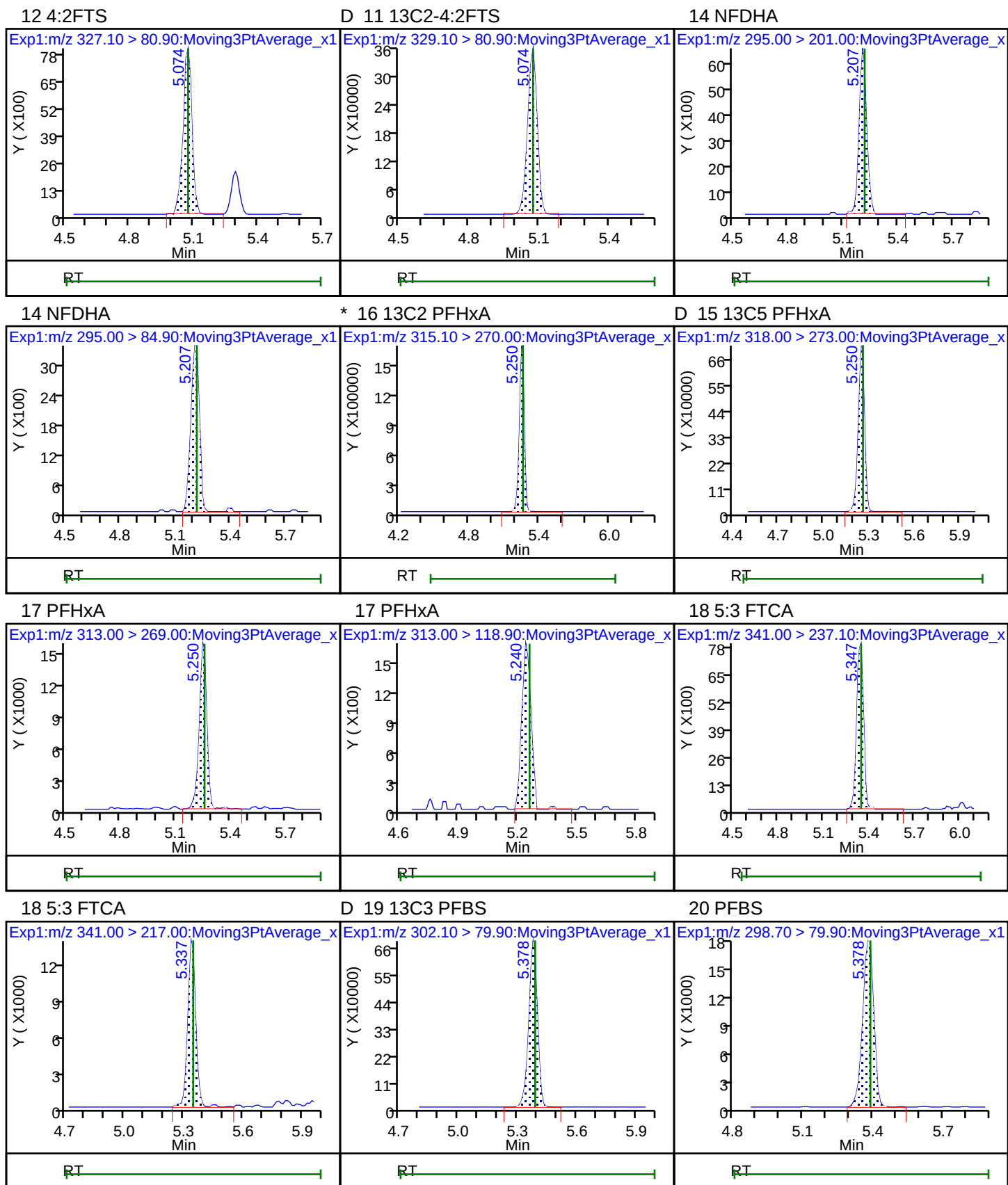


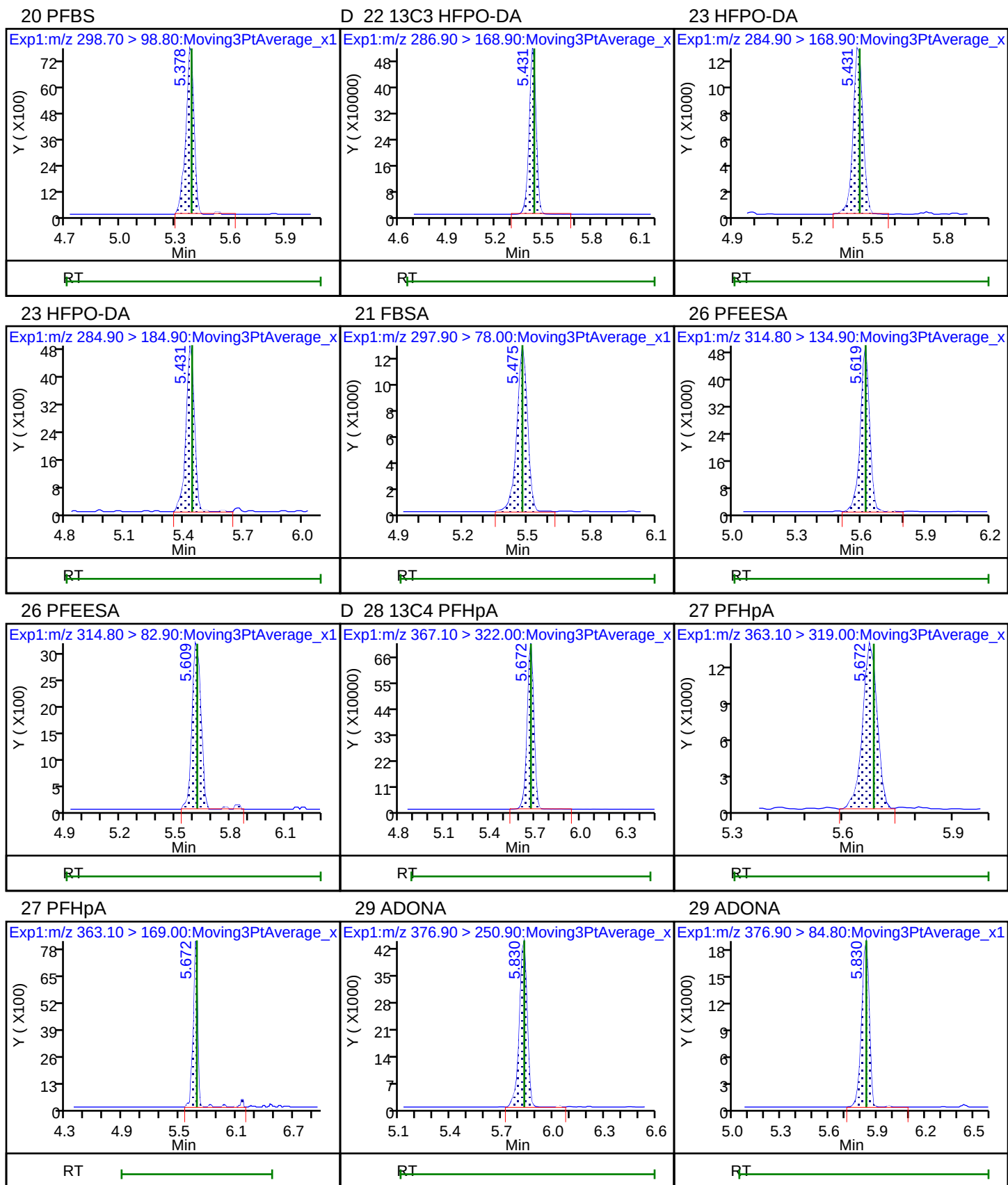
D 8 13C5 PFPeA

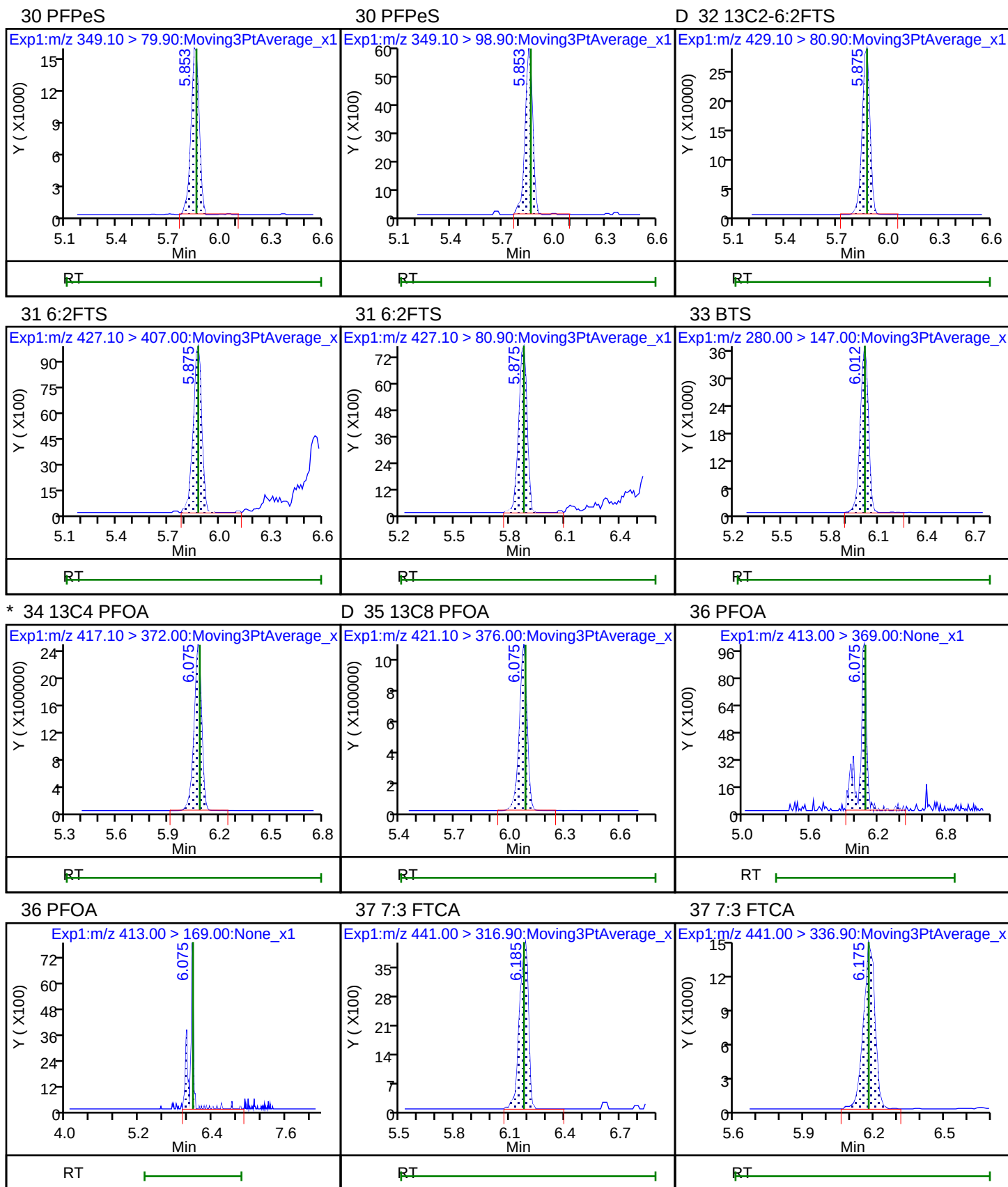
10 PFMBa

12 4:2FTS





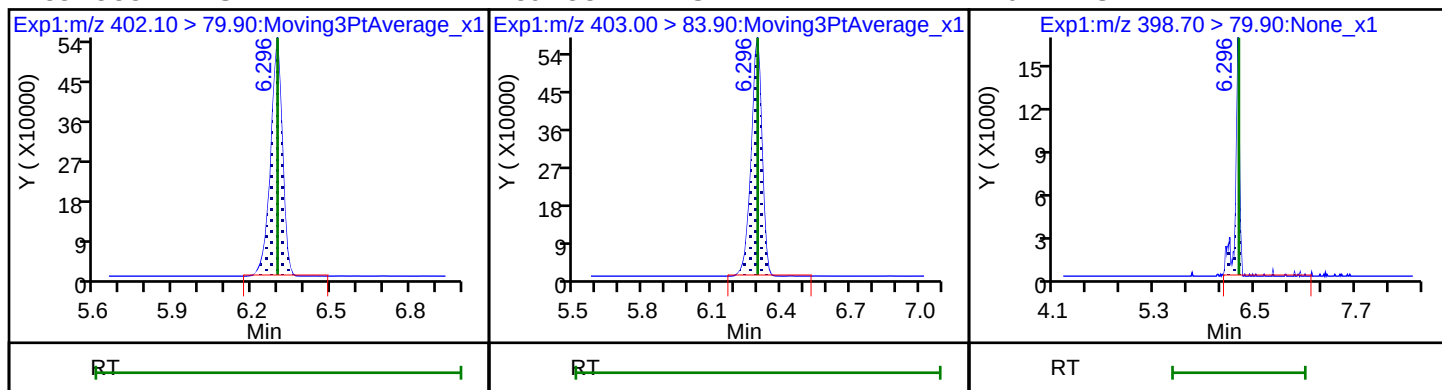




D 38 13C3 PFHxS

* 39 18O2 PFHxS

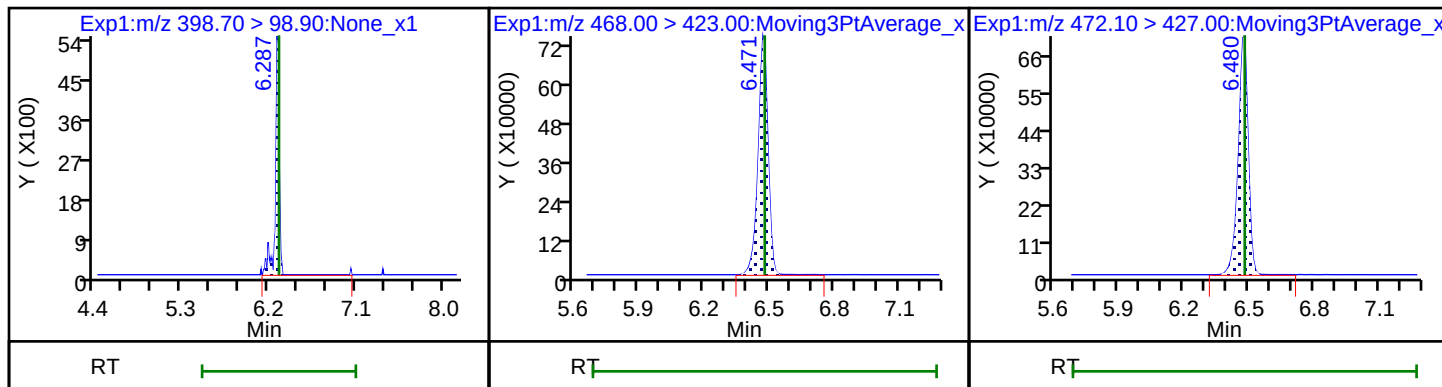
40 PFHxS



40 PFHxS

* 42 13C5 PFNA

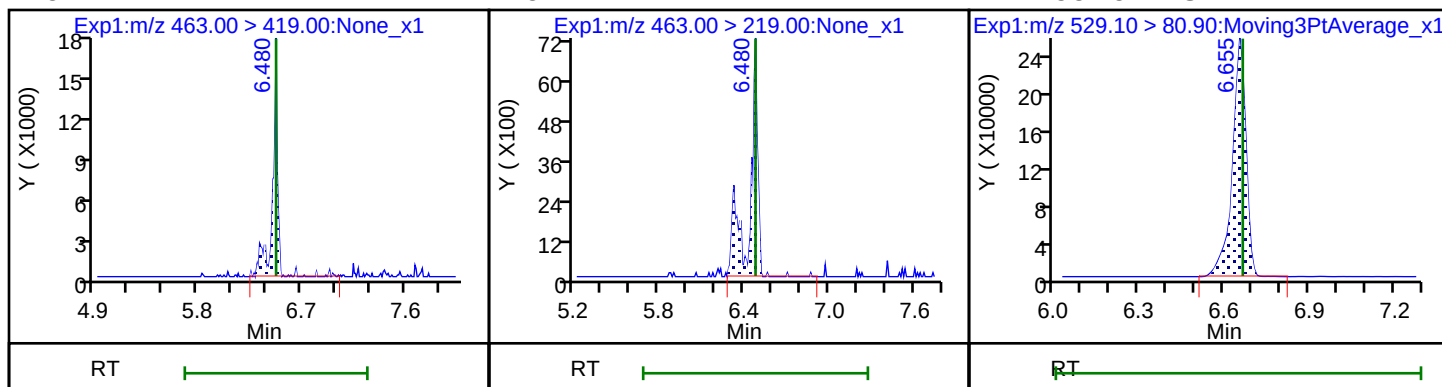
D 41 13C9 PFNA



43 PFNA

43 PFNA

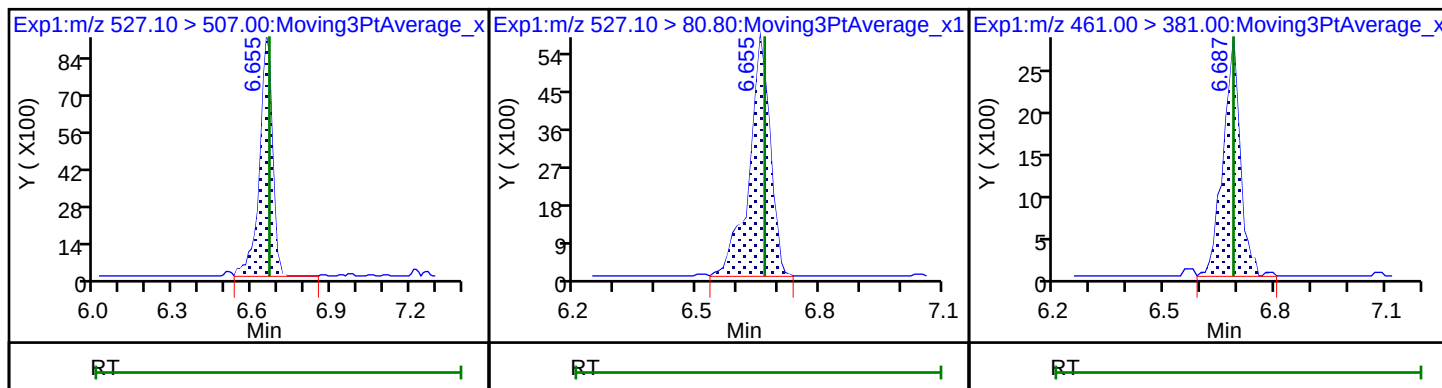
D 44 13C2-8:2FTS



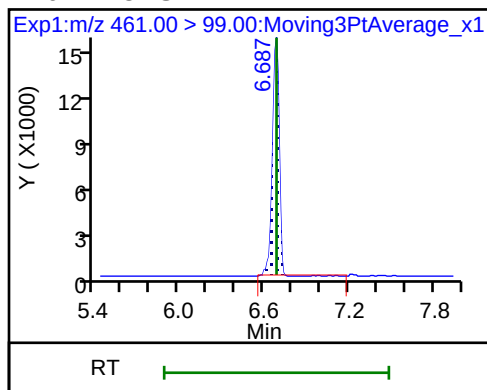
45 8:2FTS

45 8:2FTS

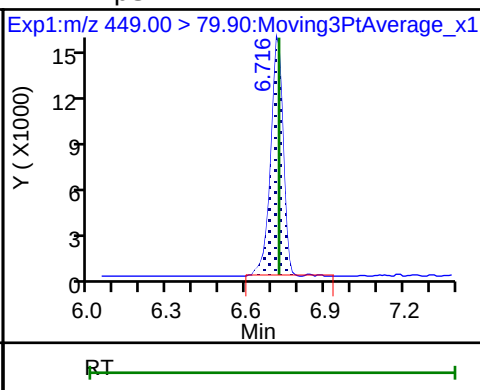
46 PFECHS



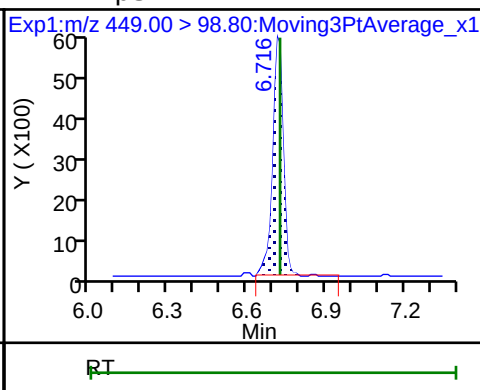
46 PFECHS



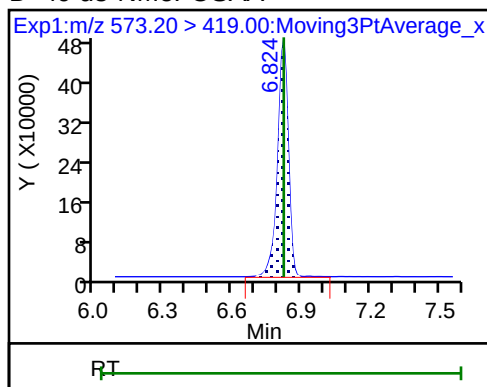
47 PFHpS



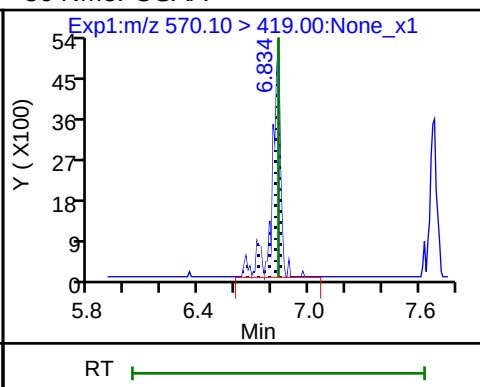
47 PFHpS



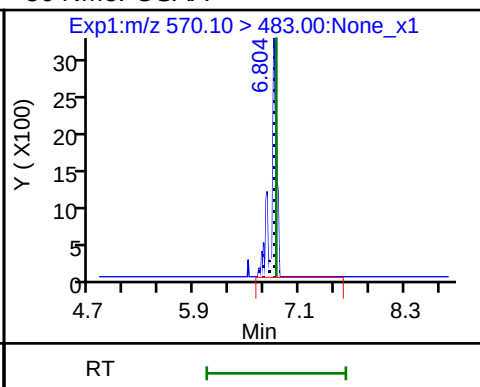
D 49 d3-NMeFOSAA



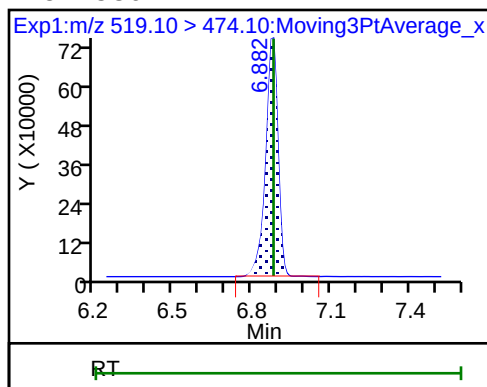
50 NMeFOSAA



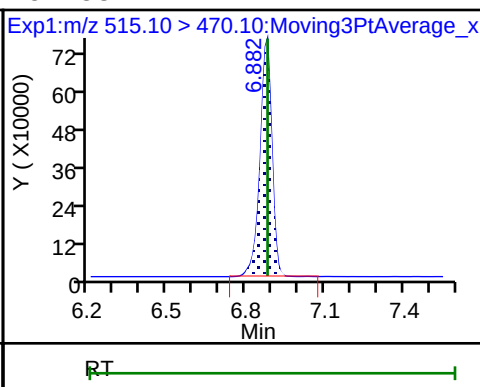
50 NMeFOSAA



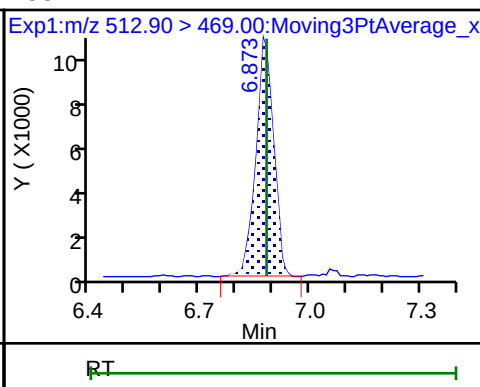
D 52 13C6 PFDA



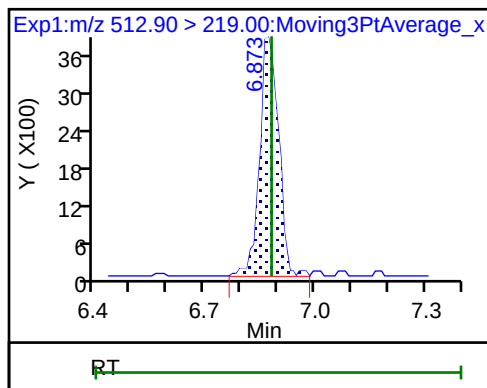
* 51 13C2 PFDA



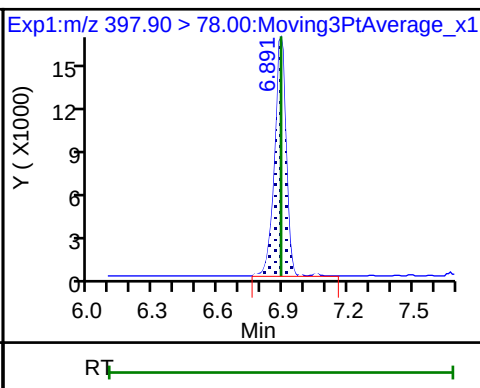
53 PFDA



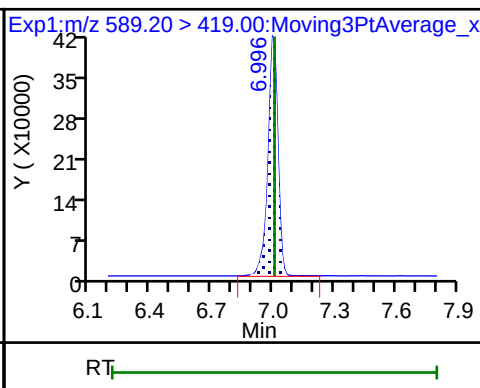
53 PFDA

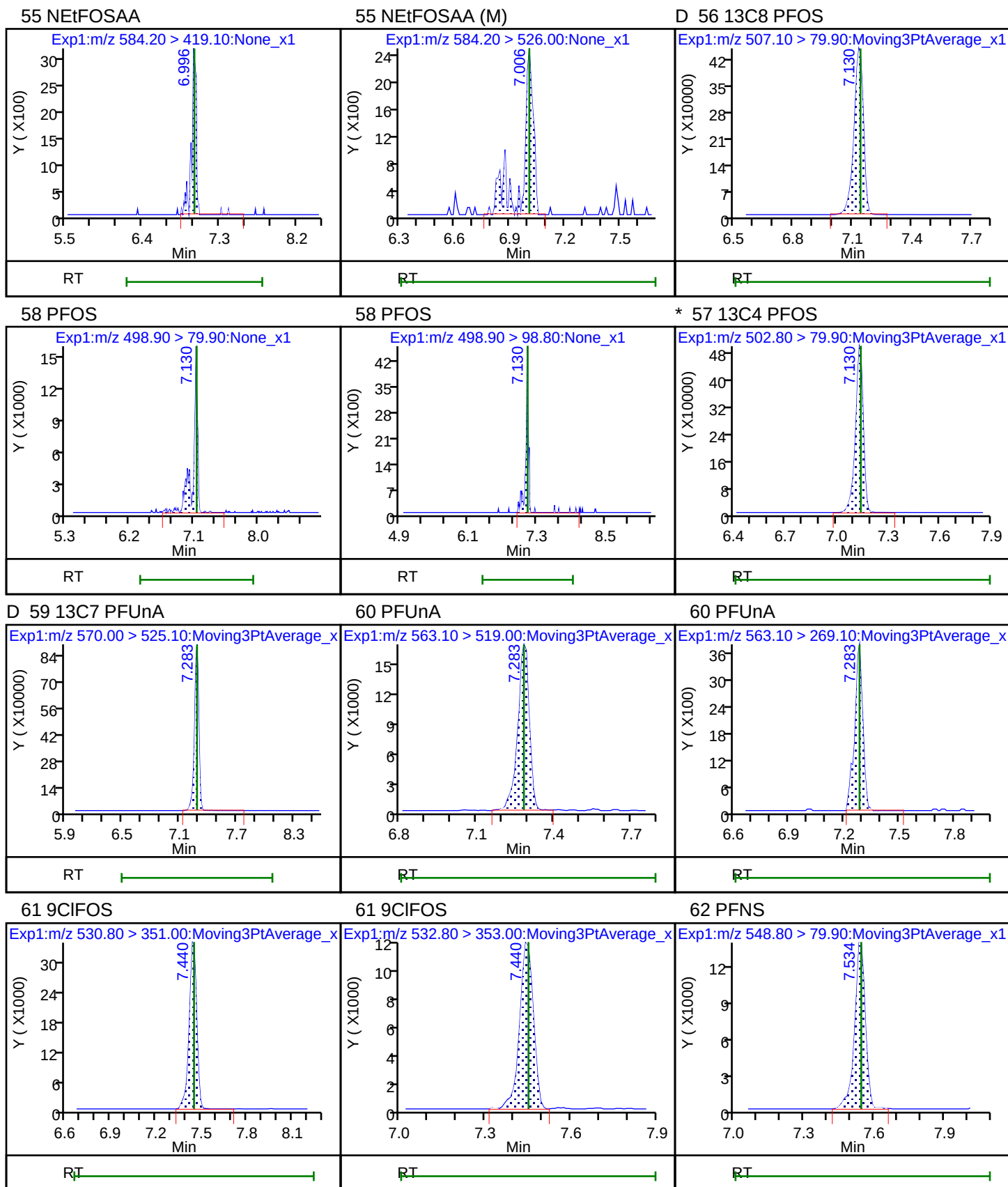


48 FHxSA

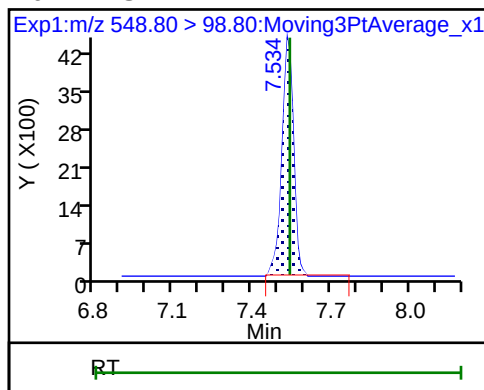


D 54 d5-NEtFOSAA

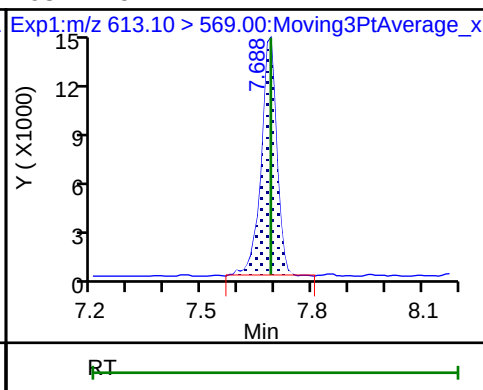




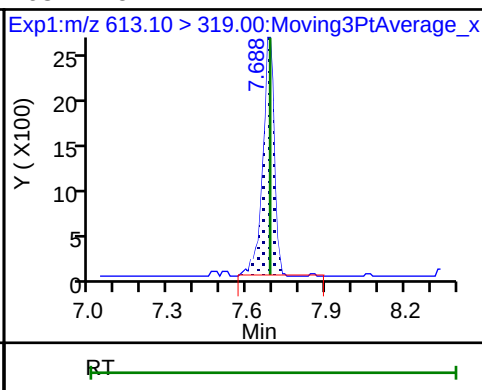
62 PFNS



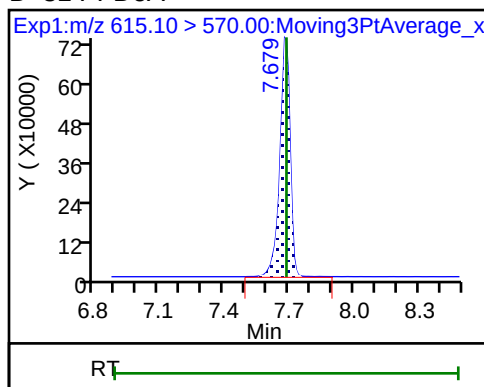
63 PFDaA



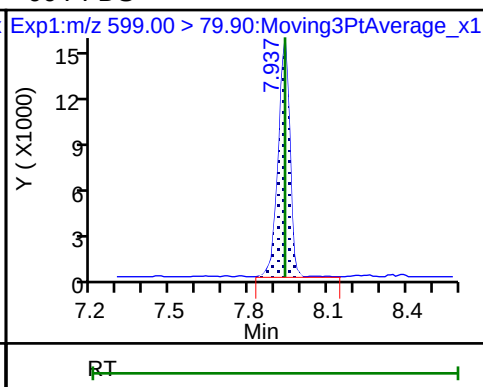
63 PFDaA



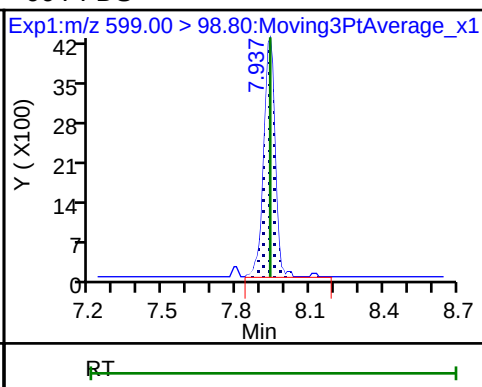
D 81 PFDaA



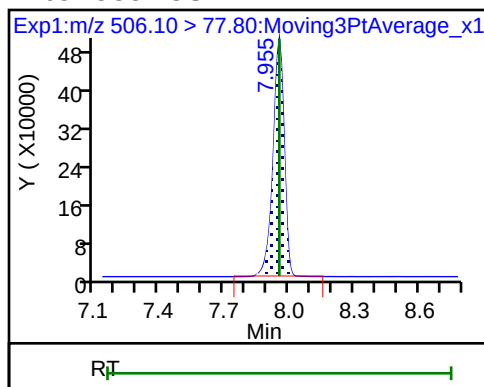
66 PFDS



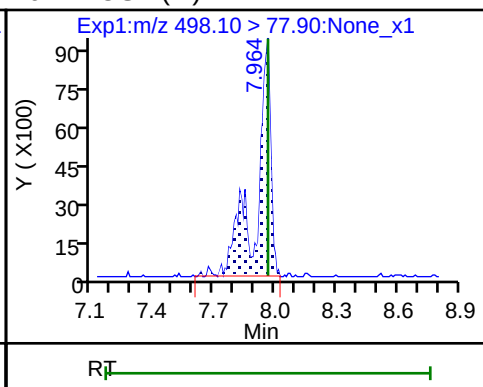
66 PFDS



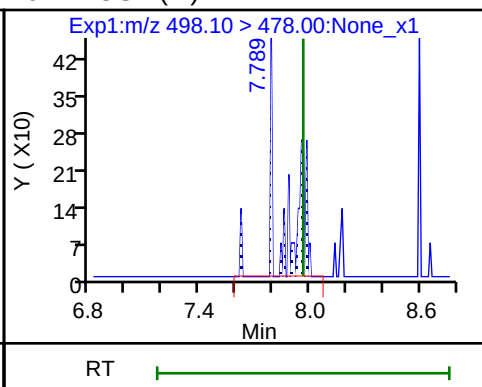
D 65 13C8 FOSA



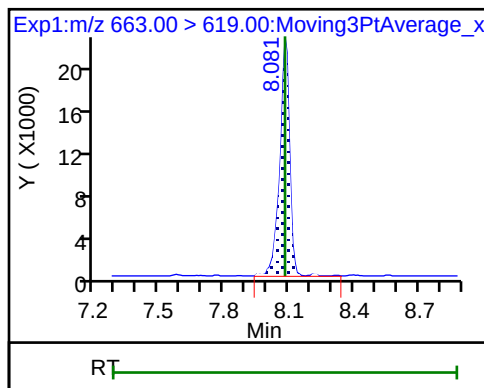
64 PFOSA (M)



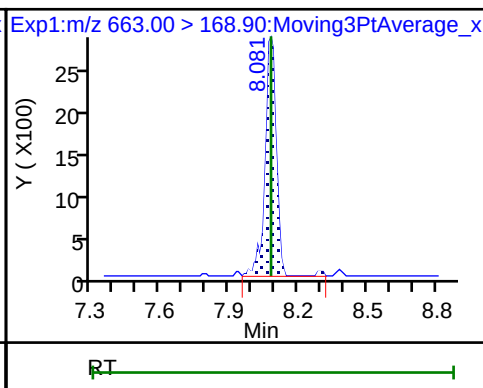
64 PFOSA (M)



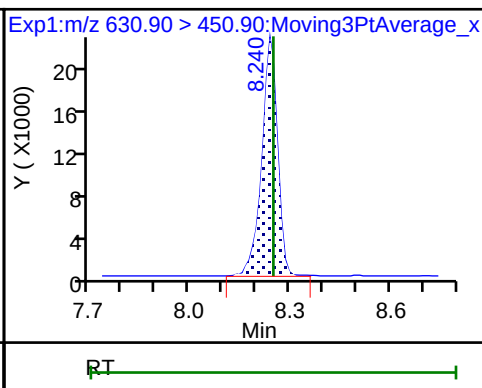
67 PFTTrDA

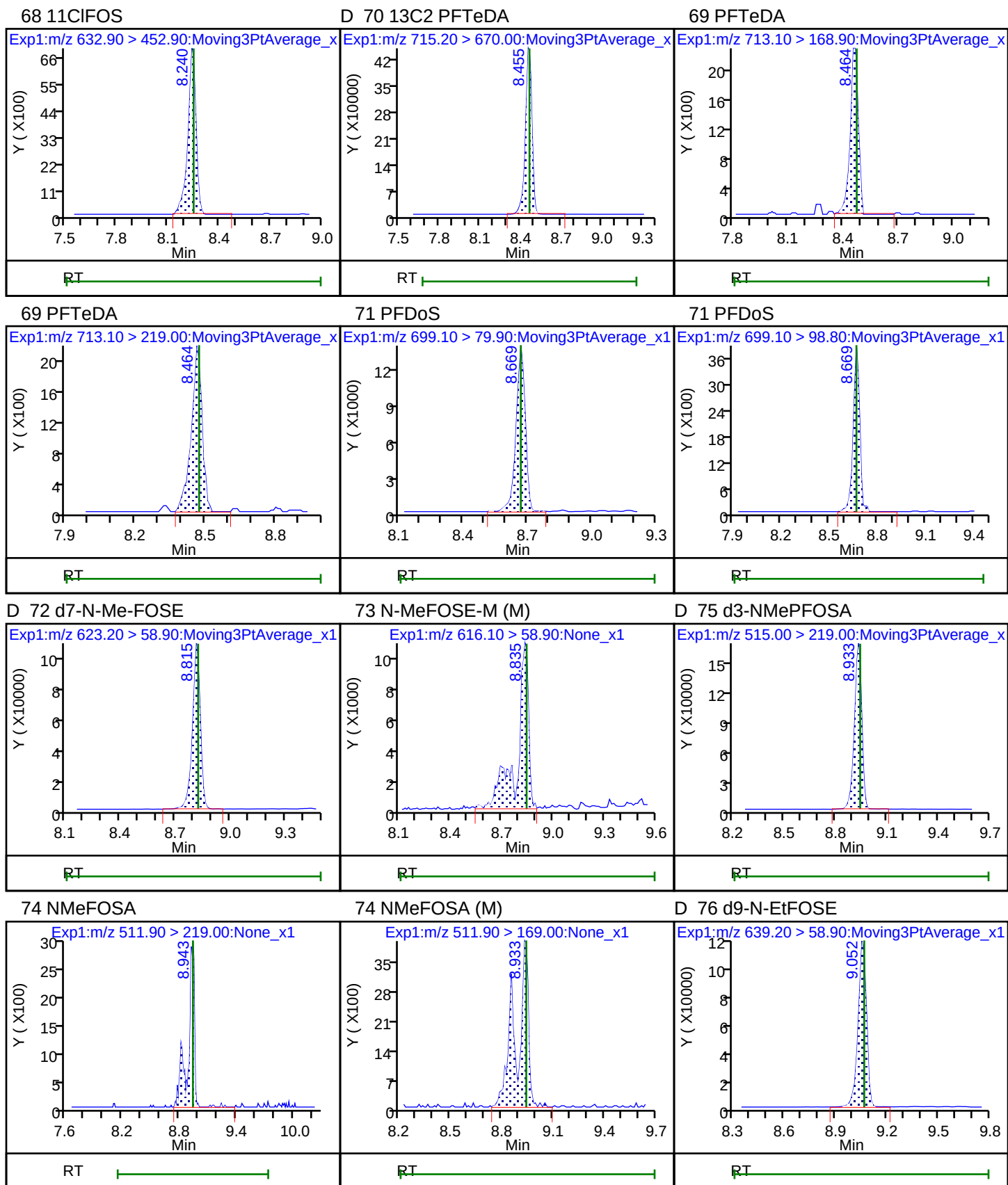


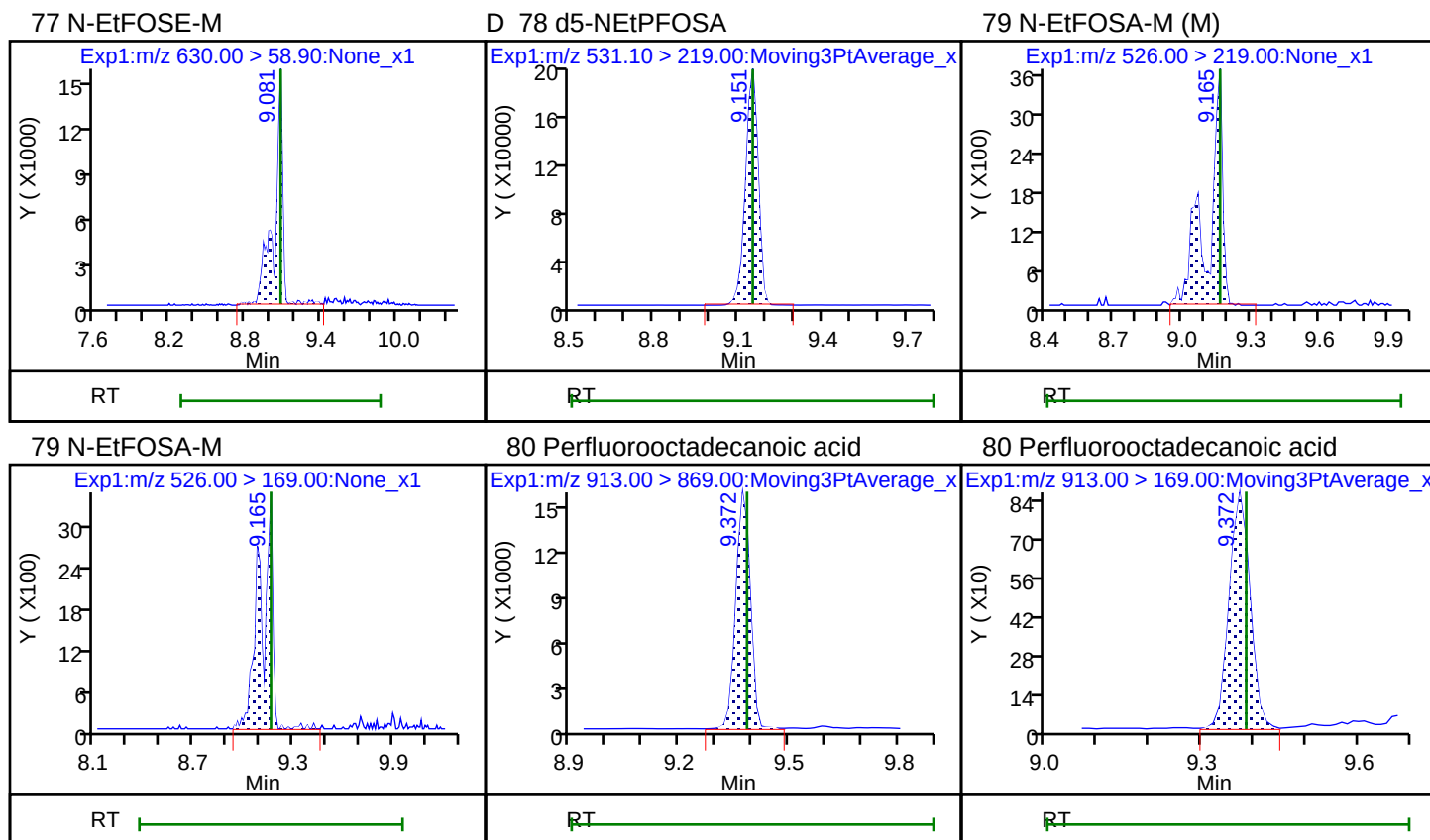
67 PFTTrDA



68 11CIFOS







Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\25DEC03CAL-02.d
 Lims ID: IC CAL 2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 03-Dec-2025 16:11:54 ALS Bottle#: 3 Worklist Smp#: 2
 Injection Vol: 7.0 ul Dil. Factor: 1.0000
 Sample Info: IC CAL 2
 Misc. Info.: Plate: 1 Rack: 1 410-0168744-002
 Operator ID: ETUS023_USR_INS00009 Instrument ID: 30577
 Sublist: chrom-30577-1633-125*sub7
 Method: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\30577-1633-125.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 03-Dec-2025 20:29:31 Calib Date: 03-Dec-2025 17:33:28
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\25DEC03CAL-08.d

Column 1 : Det: EXP1
 Process Host: CTX1687

First Level Reviewer: XBL5 Date: 03-Dec-2025 18:47:30

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	1.989	1.947	0.042	0.483	1133502	1.97		98.4	2399	
2 Perfluoropropionic acid										
163.00 > 119.00	1.997	1.947	0.050	1.004	360497	0.6652		106	1851	
3 PFBA										
212.80 > 168.90	4.112	4.112	0.0	1.000	207286	0.2642		106	2209	
D 4 13C4-PFBA										
216.80 > 171.90	4.112	4.112	0.0	0.998	1691374	1.94		96.8	5652	
* 5 13C3PFBA										
216.00 > 172.00	4.118	4.118	0.0		1665069	2.00			3907	
6 PFMPA										
229.00 > 84.90	4.466	4.466	0.0	0.930	101480	0.1302		104	1050	
7 3:3 FTCA										
241.00 > 177.00	4.491	4.491	0.0	0.935	9349	0.2599	Target=1.07	104	321	
241.00 > 117.00	4.491	4.491	0.0	0.935	9234		1.01(0.54-1.61)	104	74.5	
9 PFPA										
263.00 > 219.00	4.802	4.802	0.0	1.000	130733	0.1315		105	132	
D 8 13C5 PFPeA										
268.30 > 223.00	4.802	4.802	0.0	0.913	983431	1.91		95.3	4635	
10 PFMBBA										
279.00 > 85.10	4.954	4.954	0.0	1.032	136866	0.1345		108	807	
12 4:2FTS										
327.10 > 307.00	5.073	5.074	-0.001	1.000	91387	0.2269	Target=1.69	96.8	724	
327.10 > 80.90	5.073	5.074	-0.001	1.000	58632		1.56(0.85-2.54)	96.8	64.8	
D 11 13C2-4:2FTS										
329.10 > 80.90	5.073	5.074	-0.001	0.805	1021455	4.84		103	5081	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.217	5.218	-0.001	0.992	40139	0.1292	Target=1.50	103	291	
295.00 > 84.90	5.217	5.218	-0.001	0.992	28181		1.42(0.75-2.25)	103	165	
* 16 13C2 PFHxA										
315.10 > 270.00	5.260	5.260	0.0		4770782	5.00			8032	
D 15 13C5 PFHxA										
318.00 > 273.00	5.260	5.260	0.0	1.000	2120771	1.97		98.5	3699	
17 PFHxA										
313.00 > 269.00	5.260	5.260	0.0	1.000	112981	0.1283	Target=10.04	103	418	
313.00 > 118.90	5.260	5.260	0.0	1.000	10928		10.34(5.02-15.06)	103	118	
18 5:3 FTCA										
341.00 > 237.10	5.348	5.348	0.0	1.017	74649	0.6894	Target=0.69	110	434	
341.00 > 217.00	5.348	5.348	0.0	1.017	106135		0.70(0.35-1.04)	110	140	
D 19 13C3 PFBS										
302.10 > 79.90	5.389	5.389	0.0	0.855	2073707	1.82		97.4	7427	
20 PFBS										
298.70 > 79.90	5.389	5.389	0.0	1.000	135243	0.1176	Target=2.81	106	693	
298.70 > 98.80	5.389	5.389	0.0	1.000	52714		2.57(1.40-4.21)	106	298	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.442	5.442	0.0	1.035	1562343	1.90		95.1	4860	
23 HFPO-DA										
284.90 > 168.90	5.442	5.442	0.0	1.000	78640	0.0972	Target=2.38	104	486	
284.90 > 184.90	5.442	5.442	0.0	1.000	34790		2.26(1.19-3.57)	104	292	
21 FBSA										
297.90 > 78.00	5.487	5.476	0.011	1.018	106052	0.1346		108	572	
26 PFEESA										
314.80 > 134.90	5.620	5.620	0.0	1.068	375911	0.1194	Target=13.39	107	1705	
314.80 > 82.90	5.630	5.620	0.010	1.070	28191		13.33(6.69-20.08)	107	169	
D 28 13C4 PFHpA										
367.10 > 322.00	5.672	5.672	0.0	1.078	2199017	1.94		97.1	6013	
27 PFHpA										
363.10 > 319.00	5.684	5.684	0.0	1.002	107009	0.1306	Target=1.71	104	355	
363.10 > 169.00	5.684	5.684	0.0	1.002	67946		1.57(0.86-2.57)	104	343	
29 ADONA										
376.90 > 250.90	5.831	5.830	0.001	1.071	334855	0.1283	Target=2.10	108	1577	
376.90 > 84.80	5.831	5.830	0.001	1.071	156035		2.15(1.05-3.15)	108	869	
30 PFPeS										
349.10 > 79.90	5.865	5.865	0.0	0.930	137321	0.1274	Target=3.08	108	671	
349.10 > 98.90	5.865	5.865	0.0	0.930	42929		3.20(1.54-4.62)	108	193	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.876	5.876	0.0	0.932	924922	5.04		106	2562	
31 6:2FTS										
427.10 > 407.00	5.876	5.876	0.0	1.000	85748	0.2427	Target=1.60	102	24.4	
427.10 > 80.90	5.876	5.876	0.0	1.000	54102		1.58(0.80-2.40)	102	31.1	
33 BTS										
280.00 > 147.00	6.024	6.014	0.010	0.955	333011	0.1336		109	1185	
* 34 13C4 PFOA										
417.10 > 372.00	6.084	6.084	0.0		7215267	5.00			5110	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 35 13C8 PFOA										
421.10 > 376.00	6.084	6.084	0.0	1.000	2942980	1.99		99.3	5266	
36 PFOA										
413.00 > 369.00	6.084	6.084	0.0	1.000	117836	0.1392	Target=1.64	111	140	
413.00 > 169.00	6.084	6.084	0.0	1.000	62130		1.90(0.82-2.46)	111	68.2	
37 7:3 FTCA										
441.00 > 316.90	6.195	6.176	0.019	1.178	29351	0.5422	Target=0.27	86.8	124	
441.00 > 336.90	6.185	6.176	0.009	1.176	124426		0.24(0.14-0.41)	86.8	326	
D 38 13C3 PFHxS										
402.10 > 79.90	6.306	6.297	0.009	1.000	1737553	1.87		98.6	3674	
* 39 18O2 PFHxS										
403.00 > 83.90	6.306	6.297	0.009		1759325	1.90			3782	
40 PFHxS										
398.70 > 79.90	6.306	6.306	0.0	1.000	112697	0.1225	Target=3.19	107	211	
398.70 > 98.90	6.306	6.306	0.0	1.000	38822		2.90(1.60-4.78)	107	87.8	
43 PFNA										
463.00 > 419.00	6.489	6.479	0.010	1.001	117867	0.1235	Target=1.91	98.8	123	
463.00 > 219.00	6.489	6.479	0.010	1.001	70352		1.68(0.96-2.87)	98.8	102	
* 42 13C5 PFNA										
468.00 > 423.00	6.480	6.479	0.001		2513758	2.00			5717	
D 41 13C9 PFNA										
472.10 > 427.00	6.480	6.479	0.001	1.000	2347863	1.91		95.4	6339	
D 44 13C2-8:2FTS										
529.10 > 80.90	6.666	6.666	0.0	1.057	818117	4.77		99.3	1846	
45 8:2FTS										
527.10 > 507.00	6.666	6.666	0.0	1.000	74351	0.2545	Target=1.66	106	341	
527.10 > 80.80	6.666	6.666	0.0	1.000	45769		1.62(0.83-2.49)	106	233	
46 PFECHS										
461.00 > 381.00	6.687	6.686	0.001	1.060	26372	0.1189	Target=0.20	103	109	
461.00 > 99.00	6.696	6.686	0.010	1.062	133345		0.20(0.10-0.30)	103	601	
47 PFHpS										
449.00 > 79.90	6.726	6.725	0.001	0.942	119423	0.1124	Target=3.28	94.2	367	
449.00 > 98.80	6.726	6.725	0.001	0.942	42530		2.81(1.64-4.92)	94.2	307	
D 49 d3-NMeFOSAA										
573.20 > 419.00	6.833	6.823	0.010	0.957	1623918	4.82		96.5	3965	
50 NMeFOSAA										
570.10 > 419.00	6.833	6.833	0.0	1.000	42345	0.1273	Target=1.60	102	10.5	
570.10 > 483.00	6.843	6.833	0.010	1.001	27633		1.53(0.80-2.40)	102	62.2	
* 51 13C2 PFDA										
515.10 > 470.10	6.890	6.881	0.009		2510187	2.00			6407	
53 PFDA										
512.90 > 469.00	6.881	6.881	0.0	1.000	93258	0.1284	Target=2.79	103	382	
512.90 > 219.00	6.881	6.881	0.0	1.000	33744		2.76(1.39-4.18)	103	195	
D 52 13C6 PFDA										
519.10 > 474.10	6.881	6.881	0.0	0.999	2412793	1.88		94.2	5089	
48 FHxSA										
397.90 > 78.00	6.890	6.890	0.0	1.093	153375	0.1346		108	489	

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	7.006	7.005	0.001	0.981	1408113	4.73		94.6	3922	
55 NEtFOSAA										
584.20 > 419.10	7.006	7.005	0.001	1.000	32221	0.1364	Target=1.35	109	45.4	
584.20 > 526.00	7.015	7.005	0.010	1.001	22549		1.43(0.67-2.02)	109	48.7	
D 56 13C8 PFOS										
507.10 > 79.90	7.139	7.139	0.0	1.000	1513093	1.87		97.7	2442	
58 PFOS										
498.90 > 79.90	7.148	7.139	0.009	1.001	143785	0.1212	Target=4.17	104	70.1	
498.90 > 98.80	7.148	7.139	0.009	1.001	37243		3.86(2.08-6.25)	104	123	
* 57 13C4 PFOS										
502.80 > 79.90	7.139	7.139	0.0		1543555	1.92			7007	
D 59 13C7 PFUnA										
570.00 > 525.10	7.283	7.283	0.0	1.057	2625896	1.88		93.9	5947	
60 PFUnA										
563.10 > 519.00	7.292	7.283	0.009	1.001	136757	0.1312	Target=5.71	105	807	
563.10 > 269.10	7.283	7.283	0.0	1.000	22291		6.14(2.86-8.56)	105	208	
61 9ClFOS										
530.80 > 351.00	7.451	7.451	0.0	1.044	266006	0.1135	Target=3.03	97.2	1528	
532.80 > 353.00	7.451	7.451	0.0	1.044	84929		3.13(1.51-4.54)	97.2	568	
62 PFNS										
548.80 > 79.90	7.544	7.544	0.0	1.057	96110	0.1196	Target=3.29	99.5	649	
548.80 > 98.80	7.554	7.544	0.010	1.058	27883		3.45(1.65-4.94)	99.5	276	
63 PFDoA										
613.10 > 569.00	7.697	7.687	0.010		124535	0.1406	Target=4.72	112	859	
613.10 > 319.00	7.688	7.687	0.001		27779		4.48(2.36-7.08)	112	198	
D 81 PFDoA										
615.10 > 570.00	7.688	7.687	0.001	1.116	2410102	1.88		94.1	7030	
66 PFDS										
599.00 > 79.90	7.937	7.937	0.0	1.112	114622	0.1214	Target=3.35	101	458	
599.00 > 98.80	7.937	7.937	0.0	1.112	35859		3.20(1.67-5.02)	101	200	
D 65 13C8 FOSA										
506.10 > 77.80	7.954	7.954	0.0	1.114	1847006	1.95		97.6	6107	
64 PFOSA										
498.10 > 77.90	7.973	7.963	0.010	1.002	112899	0.1277	Target=40.44	102	193	
498.10 > 478.00	7.954	7.963	-0.009	1.000	2702		41.78(20.22-60.66)	102	9.1	
67 PFTrDA										
663.00 > 619.00	8.081	8.081	0.0	0.955	181512	0.1360	Target=7.60	109	1264	
663.00 > 168.90	8.081	8.081	0.0	0.955	21073		8.61(3.80-11.40)	109	107	
68 11ClFOS										
630.90 > 450.90	8.250	8.250	0.0	1.156	189255	0.1216	Target=3.14	103	1328	
632.90 > 452.90	8.250	8.250	0.0	1.156	59344		3.19(1.57-4.71)	103	549	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.464	8.464	0.0	1.228	1511842	1.90		94.8	4524	
69 PFTeDA										
713.10 > 168.90	8.464	8.474	-0.010	1.000	20015	0.1404	Target=1.10	112	184	
713.10 > 219.00	8.464	8.474	-0.010	1.000	19409		1.03(0.55-1.65)	112	317	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
71 PFDoS										
699.10 > 79.90	8.679	8.668	0.011	1.216	100573	0.1274	Target=3.69	105	474	
699.10 > 98.80	8.679	8.668	0.011	1.216	27295		3.68(1.84-5.53)	105	508	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.825	8.825	0.0	1.236	320063	4.65		93.0	507	
73 N-MeFOSE-M										
616.10 > 58.90	8.835	8.844	-0.009	1.001	117936	0.6722		108	137	
D 75 d3-NMePFOSA										
515.00 > 219.00	8.943	8.942	0.001	1.253	503698	1.85		92.5	3089	
74 NMeFOSA										
511.90 > 219.00	8.943	8.942	0.001	1.000	32463	0.1297	Target=0.69	104	149	
511.90 > 169.00	8.951	8.942	0.009	1.001	52325		0.62(0.34-1.03)	104	133	
D 76 d9-N-EtFOSE										
639.20 > 58.90	9.066	9.066	0.0	1.270	392882	4.80		95.9	621	
77 N-EtFOSE-M										
630.00 > 58.90	9.081	9.080	0.001	1.002	169526	0.6431		103	255	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.151	9.151	0.001	1.282	632227	1.92		96.0	2097	
79 N-EtFOSA-M										
526.00 > 219.00	9.164	9.164	0.0	1.001	37260	0.1288	Target=0.85	103	261	
526.00 > 169.00	9.164	9.164	0.0	1.001	43193		0.86(0.43-1.28)	103	156	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.385	9.385	0.0	1.109	100572	0.1228	Target=16.54	98.2	1411	
913.00 > 169.00	9.372	9.385	-0.013	1.107	6064		16.59(8.27-24.81)	98.2	316	

QC Flag Legend

Processing Flags

Reagents:

1633_125_CAL2_00034

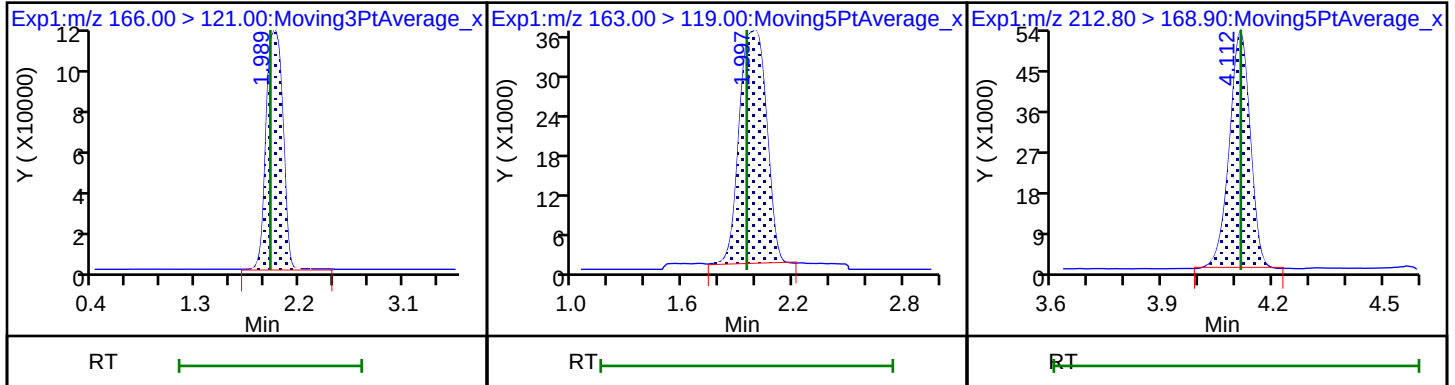
Amount Added: 1.00

Units: mL

D 1 13C3PFPrA

2 Perfluoropropionic acid

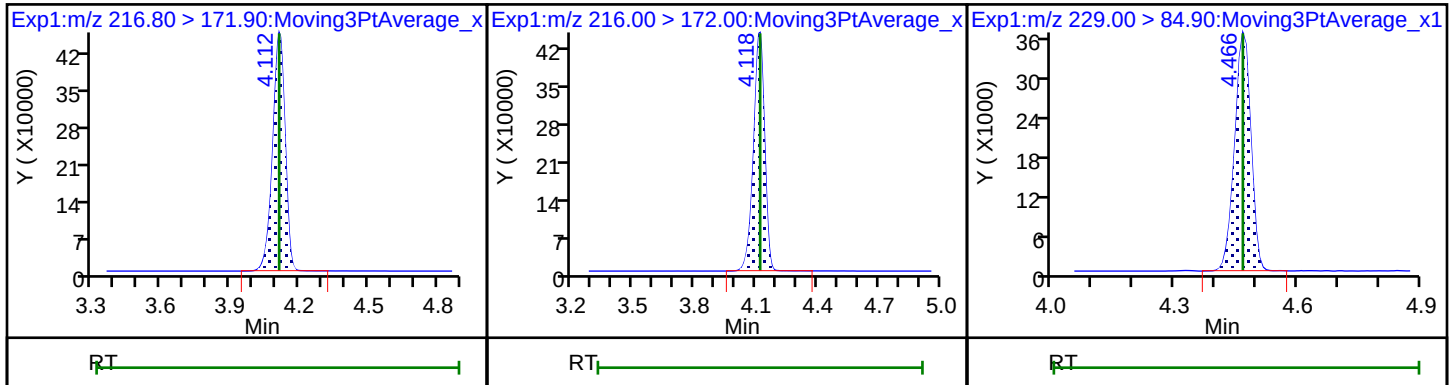
3 PFBA



D 4 13C4-PFBA

* 5 13C3PFBA

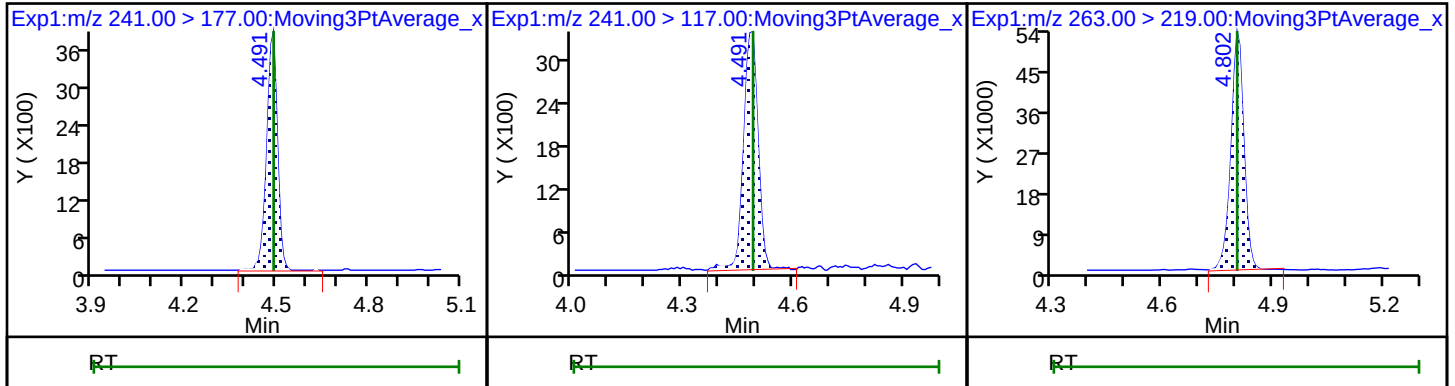
6 PFMPA



7 3:3 FTCA

7 3:3 FTCA

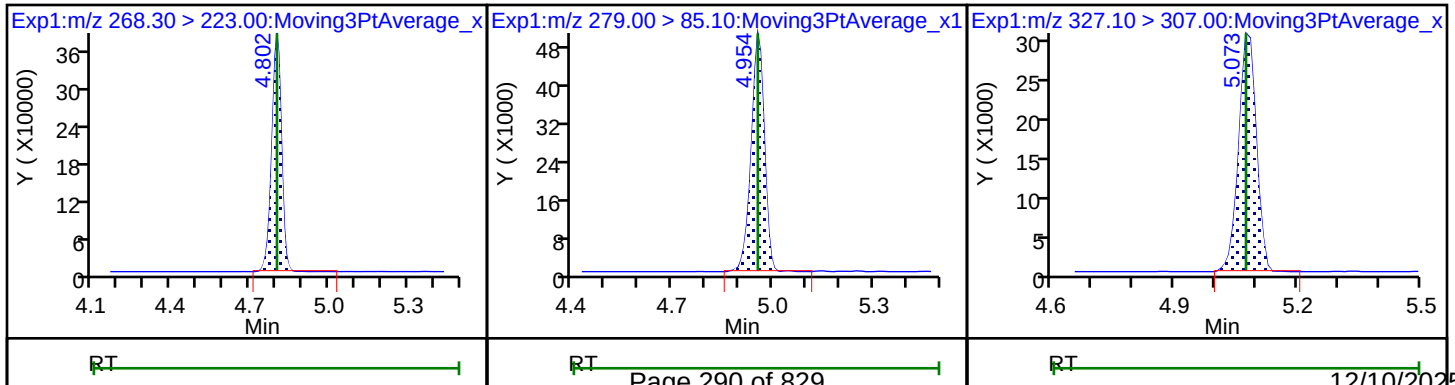
9 PFPA

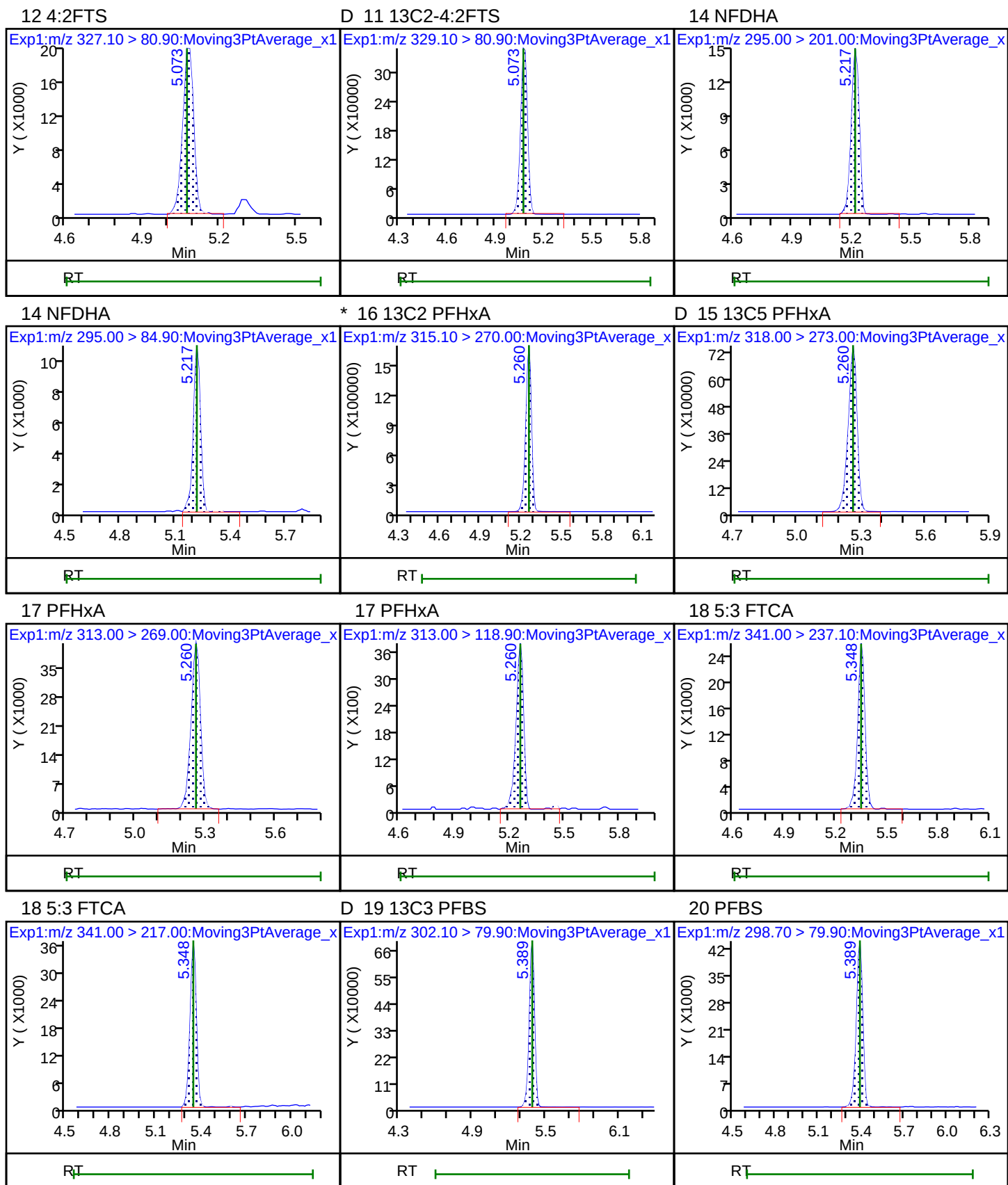


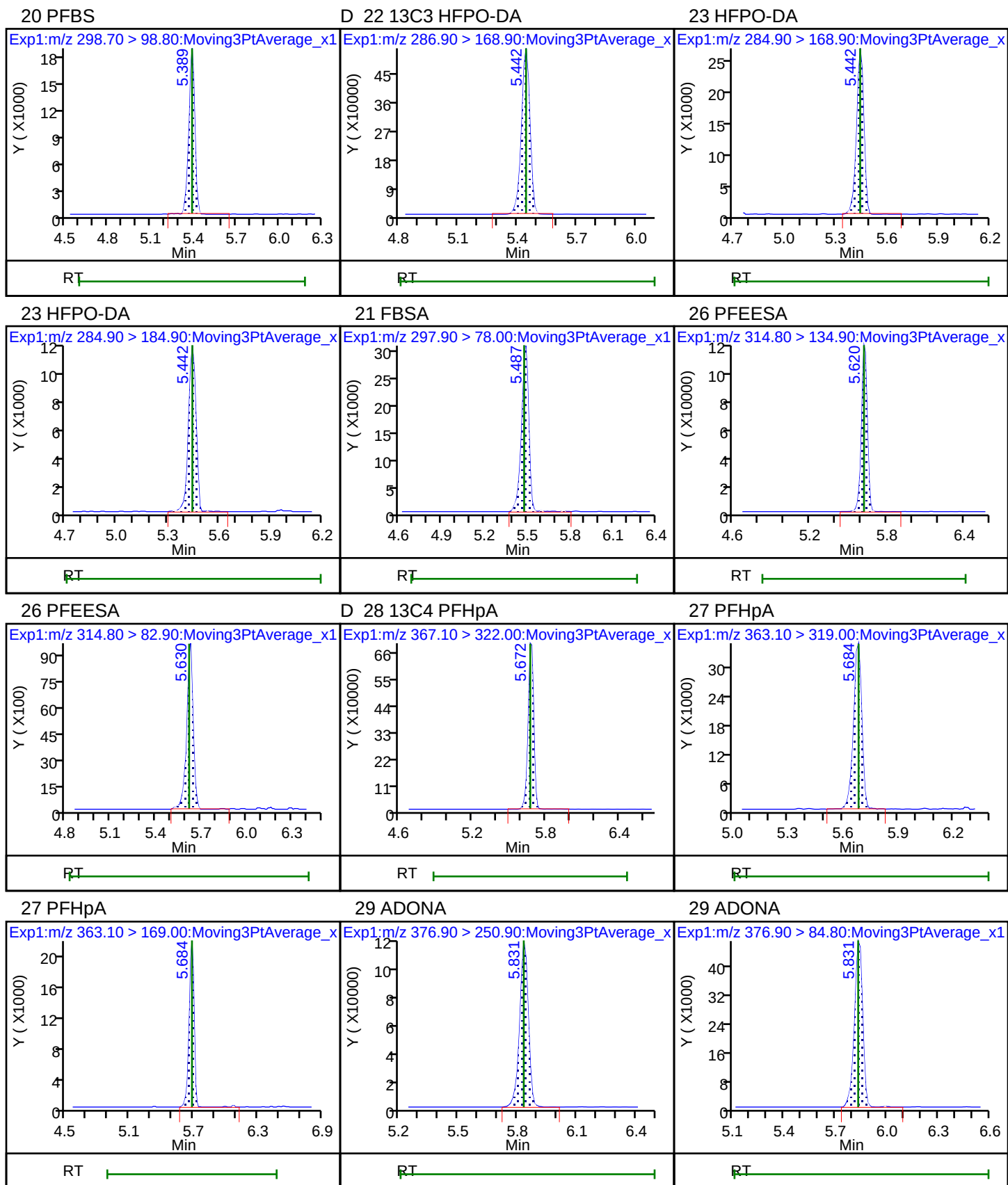
D 8 13C5 PFPeA

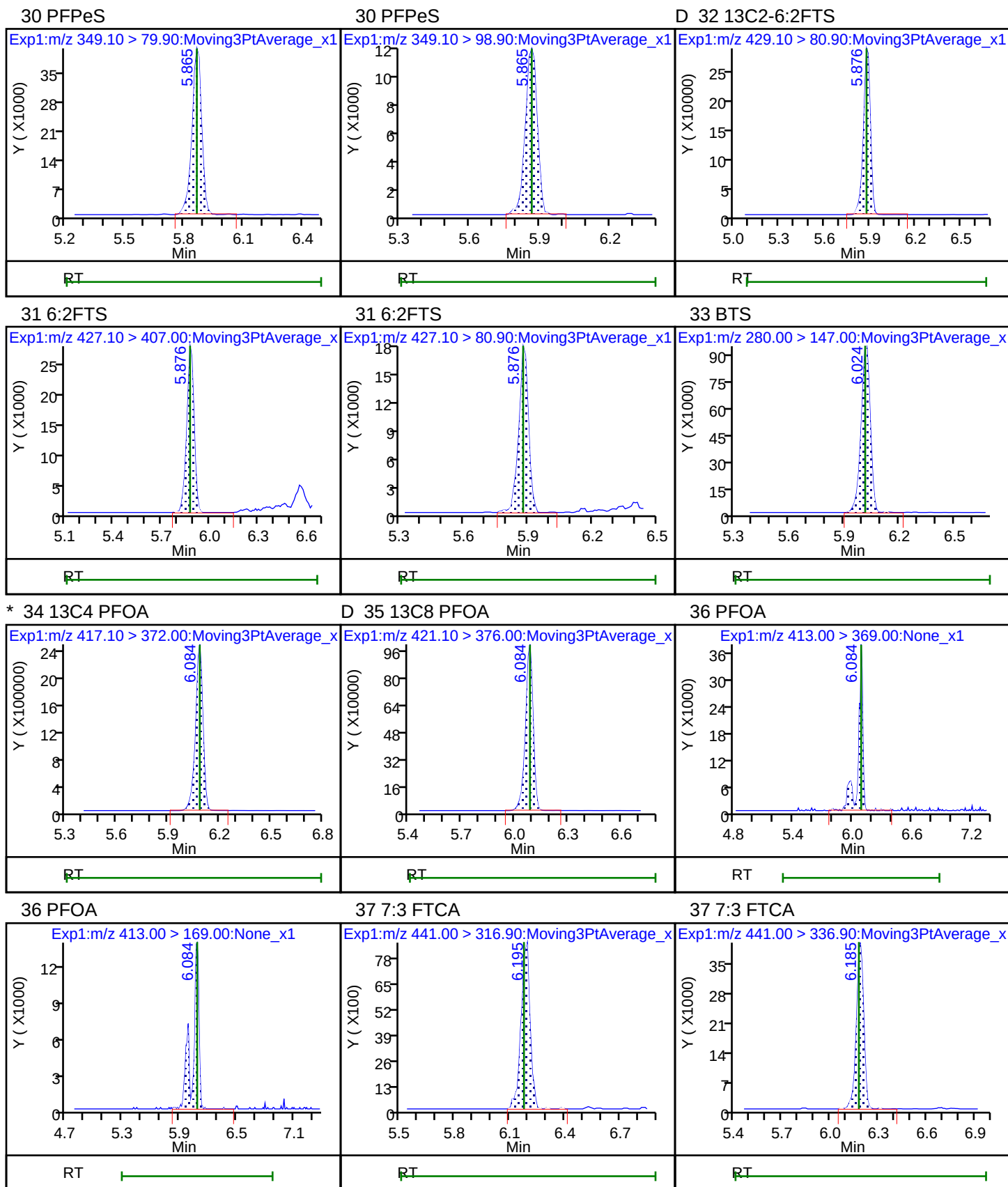
10 PFMBa

12 4:2FTS





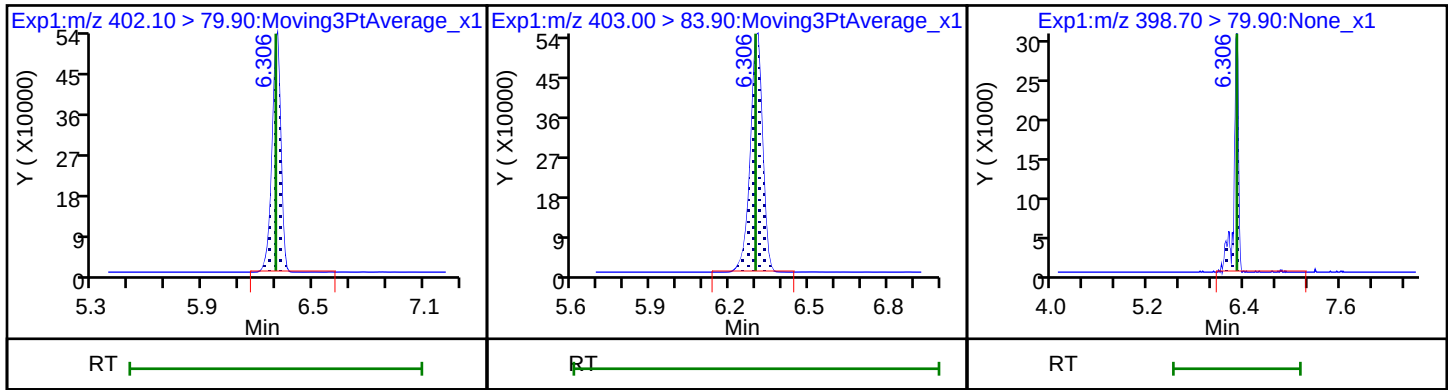




D 38 13C3 PFHxS

* 39 18O2 PFHxS

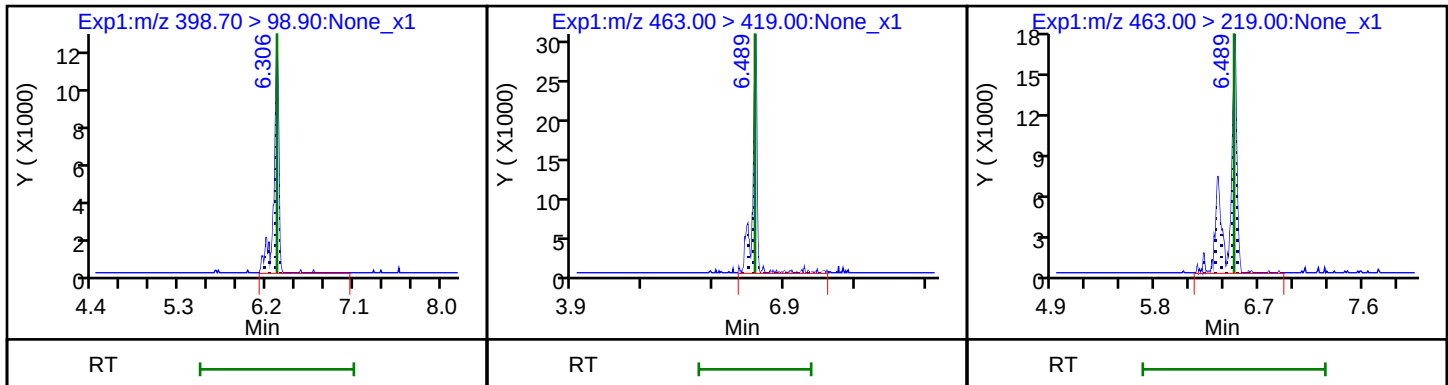
40 PFHxS



40 PFHxS

43 PFNA

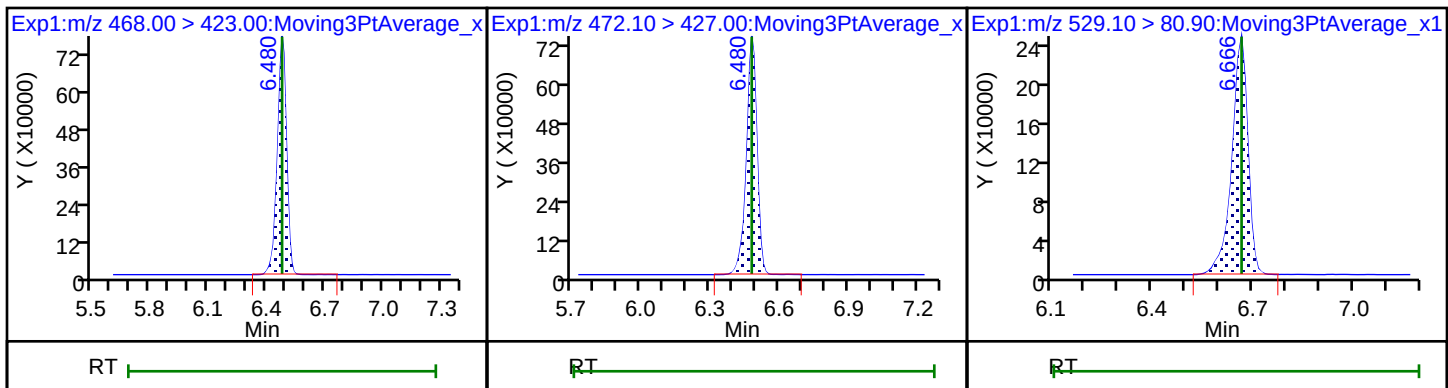
43 PFNA



* 42 13C5 PFNA

D 41 13C9 PFNA

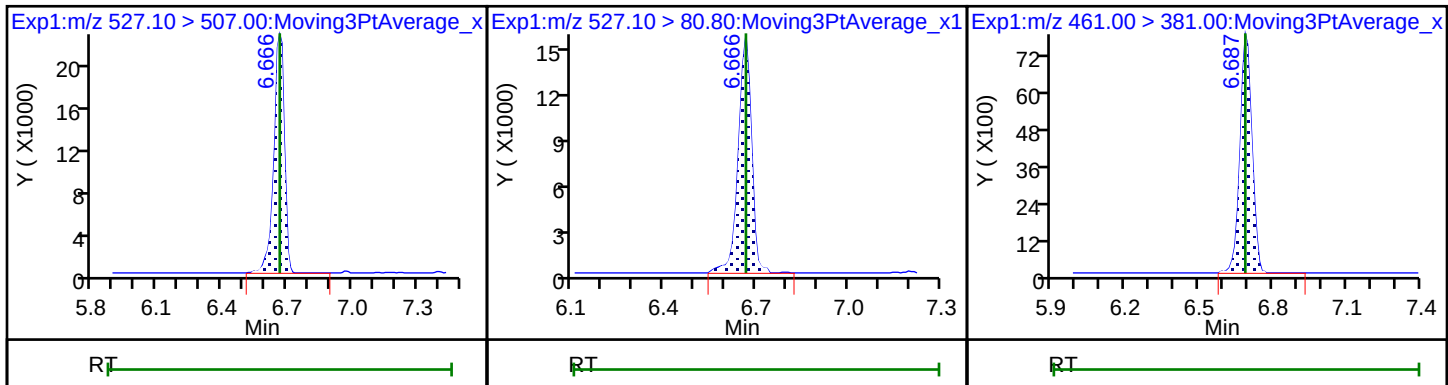
D 44 13C2-8:2FTS



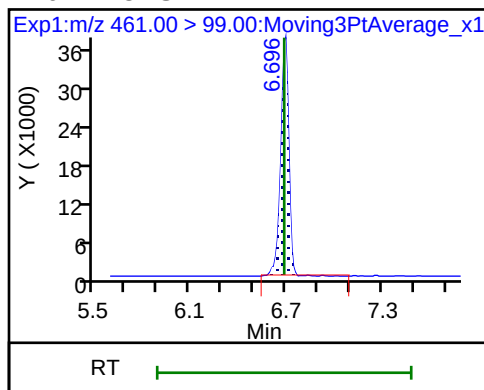
45 8:2FTS

45 8:2FTS

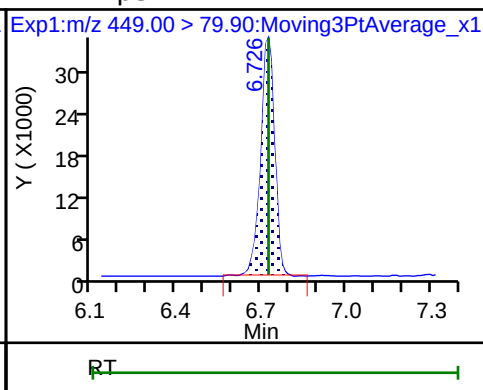
46 PFECHS



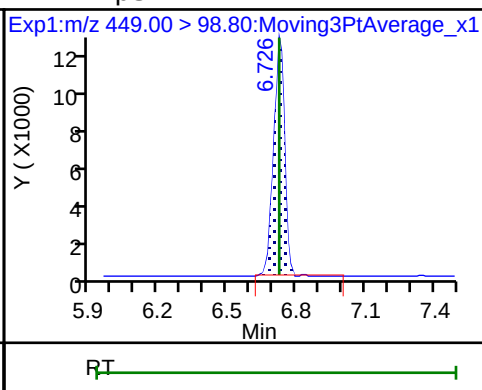
46 PFECHS



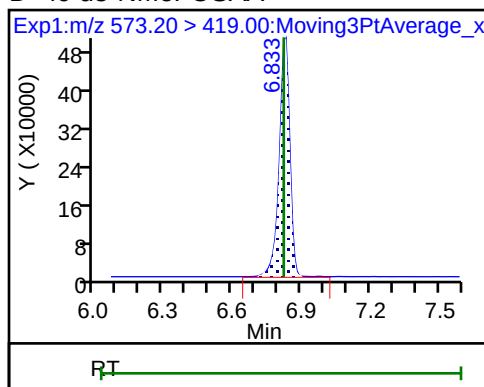
47 PFHpS



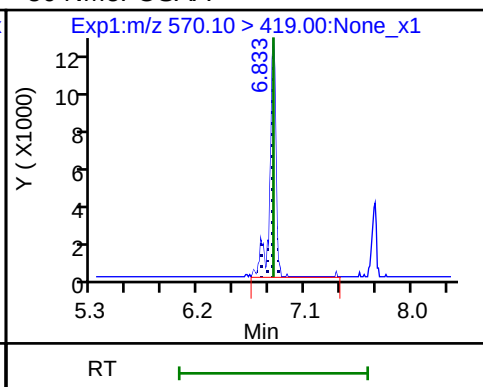
47 PFHpS



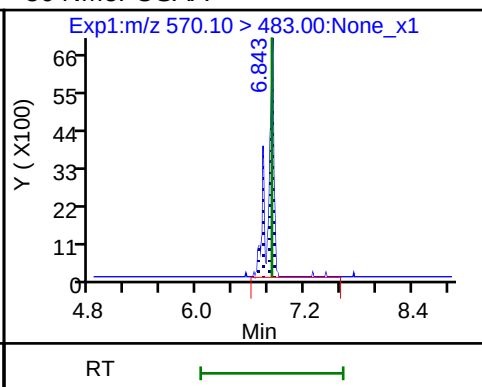
D 49 d3-NMeFOSAA



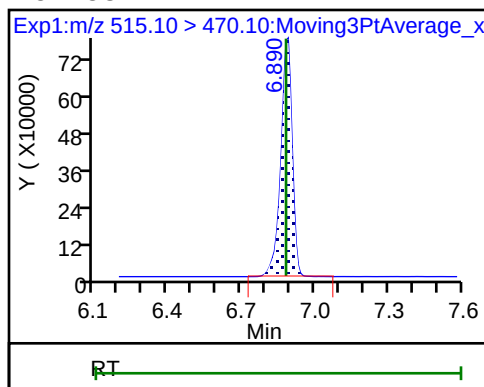
50 NMeFOSAA



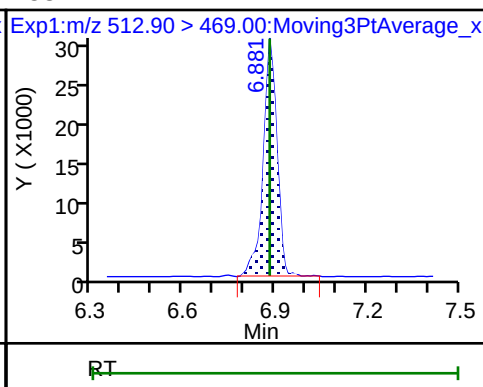
50 NMeFOSAA



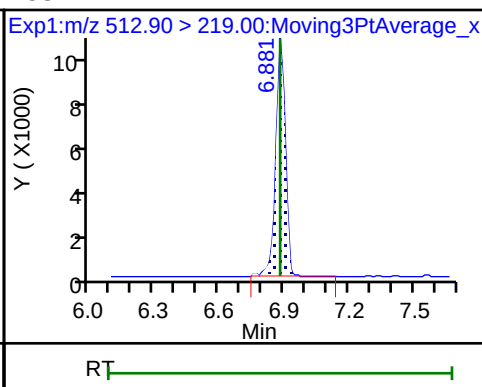
* 51 13C2 PFDA



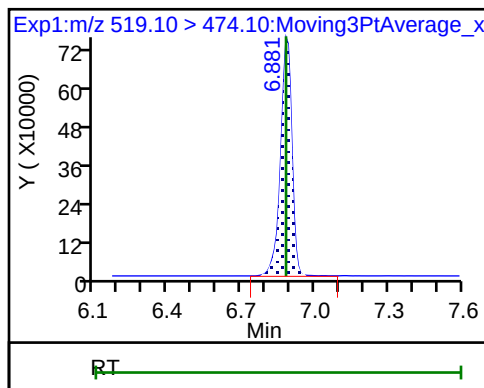
53 PFDA



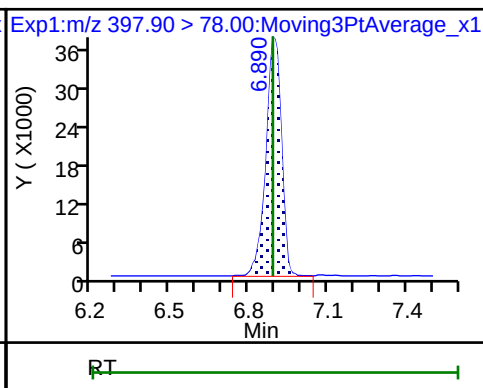
53 PFDA



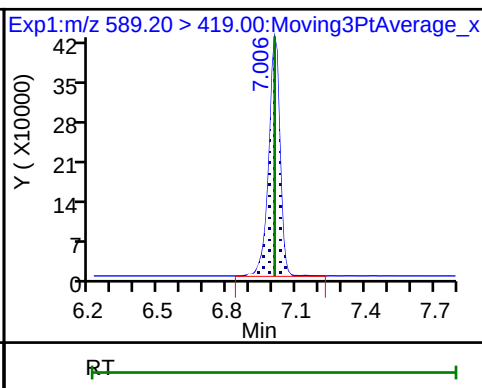
D 52 13C6 PFDA

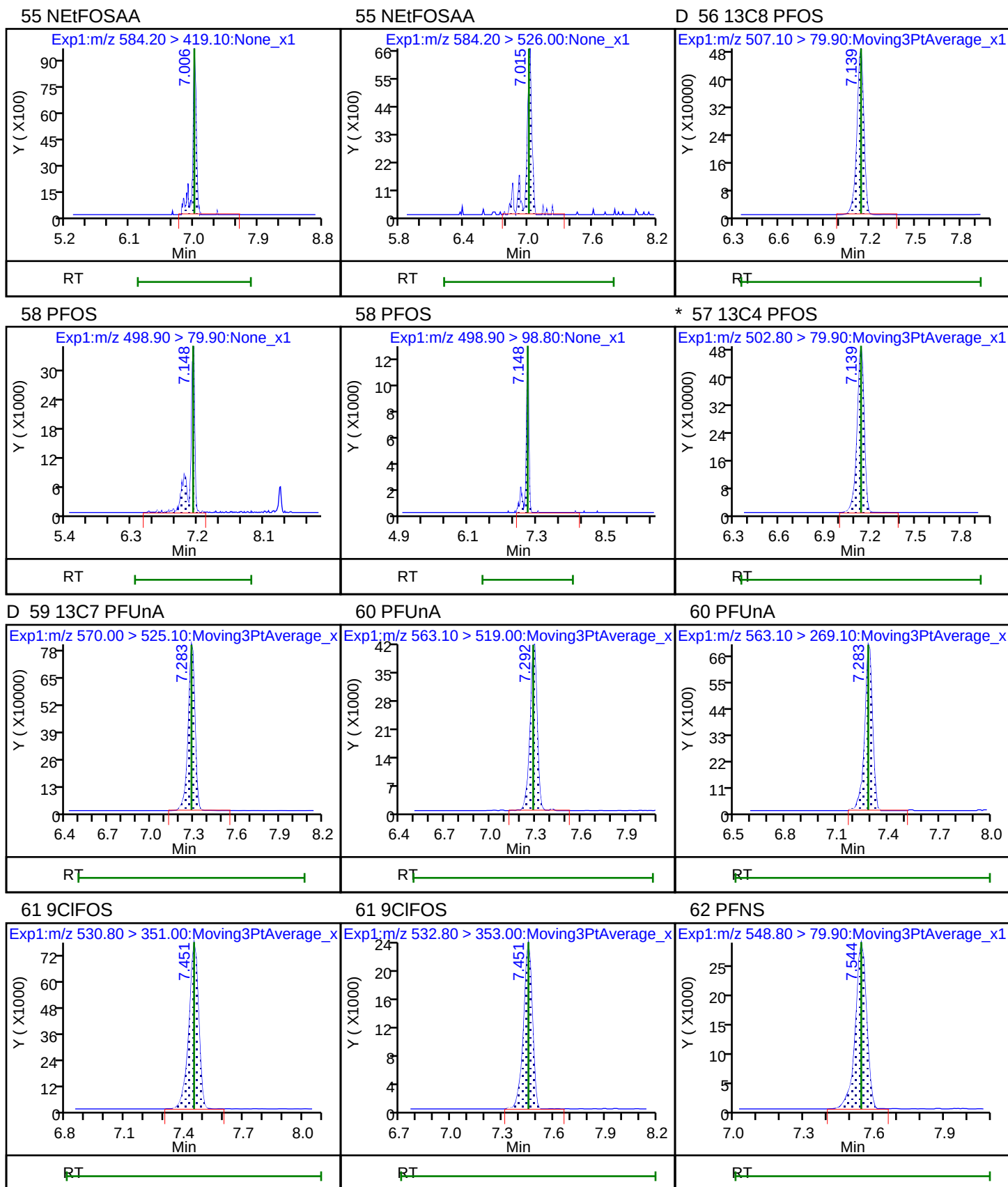


48 FHxSA

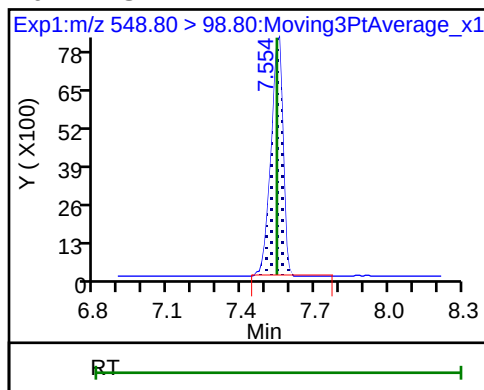


D 54 d5-NEtFOSAA

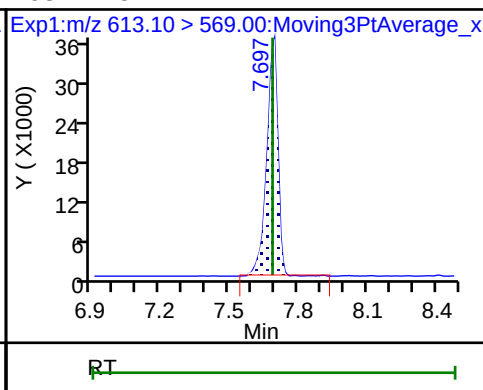




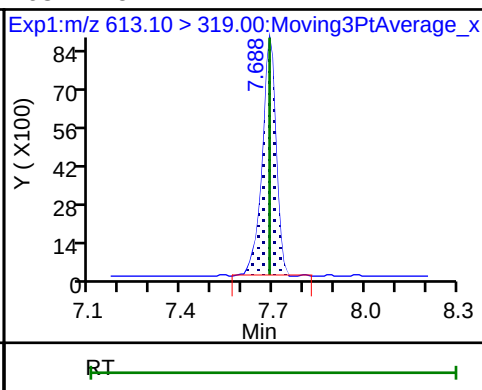
62 PFNS



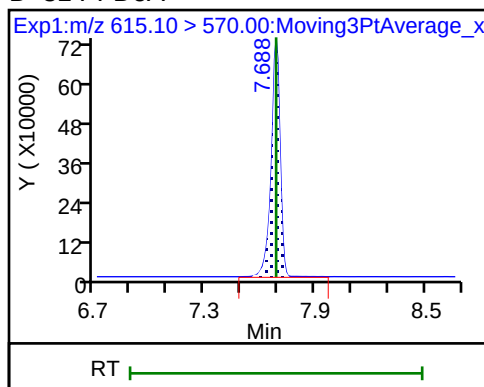
63 PFDaA



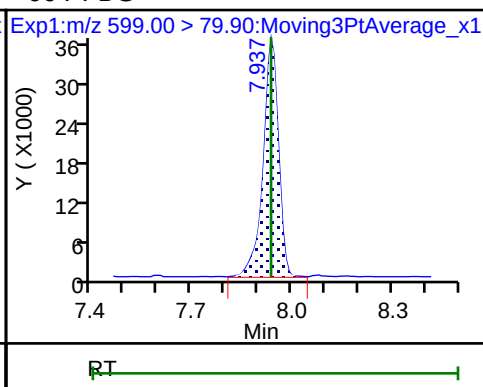
63 PFDaA



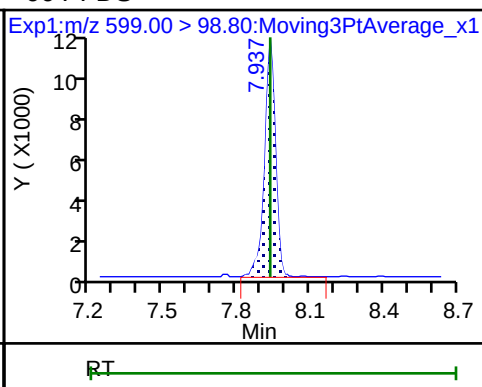
D 81 PFDaA



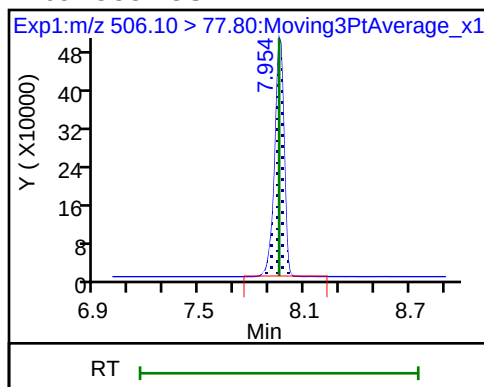
66 PFDS



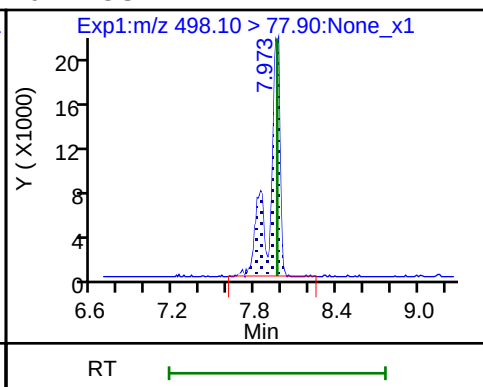
66 PFDS



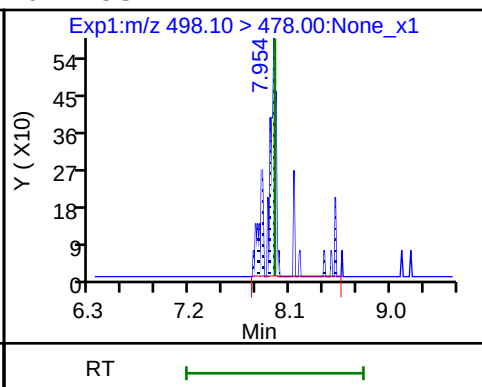
D 65 13C8 FOSA



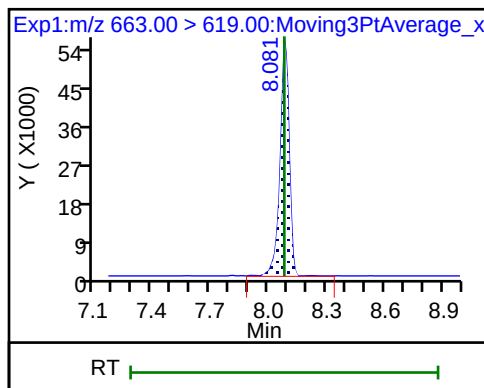
64 PFOSA



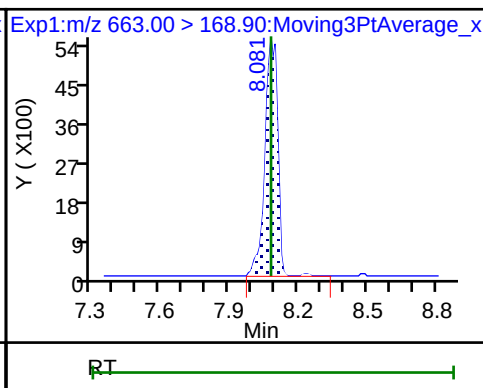
64 PFOSA



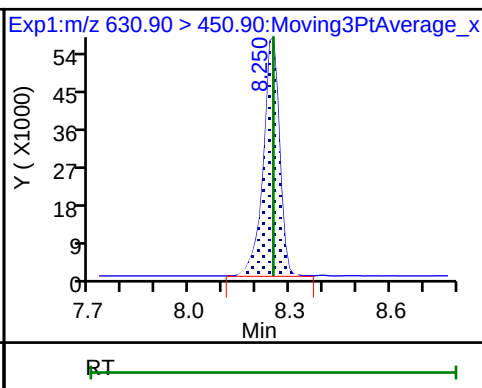
67 PFTTrDA

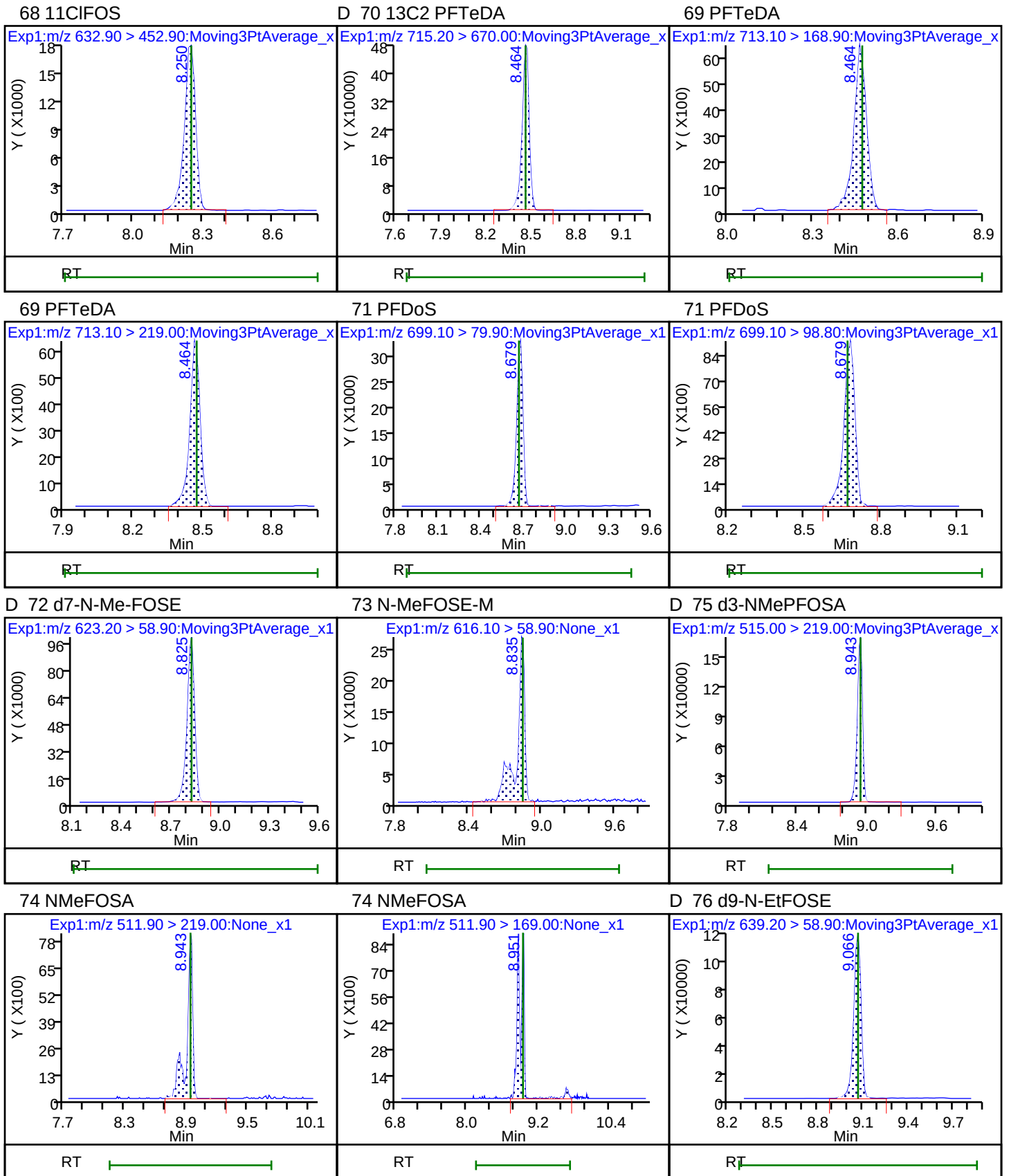


67 PFTTrDA



68 11CIFOS

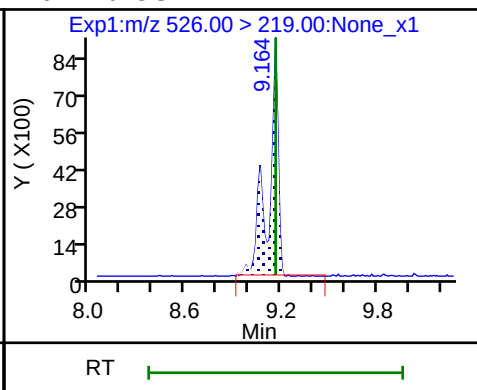
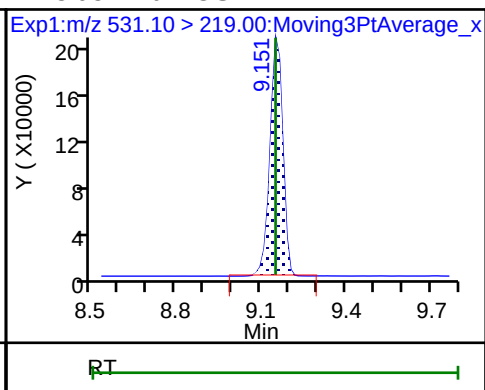
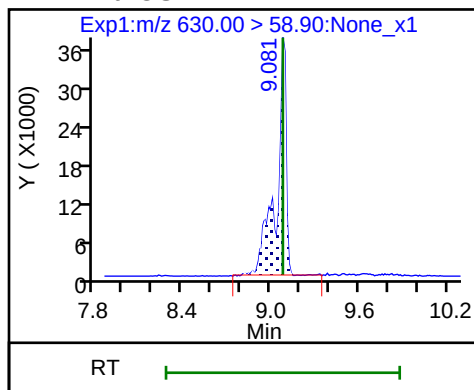




77 N-EtFOSE-M

D 78 d5-NEtPFOSA

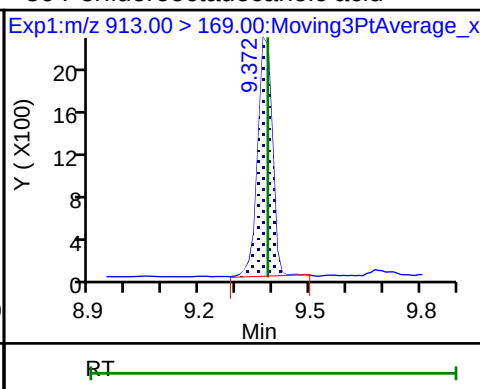
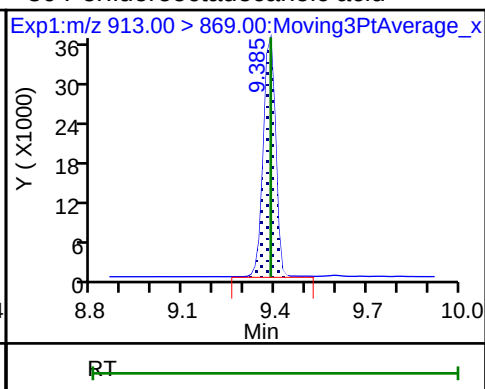
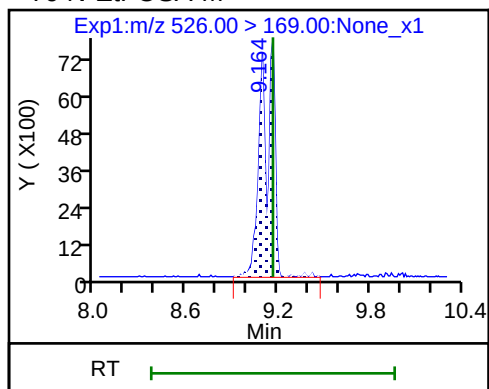
79 N-EtFOSA-M



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\30577\20251203-168744.b\25DEC03CAL-03.d
 Lims ID: IC CAL 3
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 03-Dec-2025 16:25:30 ALS Bottle#: 4 Worklist Smp#: 3
 Injection Vol: 7.0 ul Dil. Factor: 1.0000
 Sample Info: IC CAL 3
 Misc. Info.: Plate: 1 Rack: 1 410-0168744-003
 Operator ID: ETUS023_USR_INS00009 Instrument ID: 30577
 Sublist: chrom-30577-1633-125*sub7
 Method: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\30577-1633-125.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 03-Dec-2025 20:29:42 Calib Date: 03-Dec-2025 17:33:28
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\25DEC03CAL-08.d

Column 1 : Det: EXP1
 Process Host: CTX1687

First Level Reviewer: XBL5 Date: 03-Dec-2025 18:48:36

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	1.989	1.947	0.042	0.483	1151209	2.03		101	2050	
2 Perfluoropropionic acid										
163.00 > 119.00	1.981	1.947	0.034	0.996	1330771	2.42		96.7	7501	
3 PFBA										
212.80 > 168.90	4.113	4.112	0.001	1.000	760975	0.9541		95.4	7605	
D 4 13C4-PFBA										
216.80 > 171.90	4.113	4.112	0.001	0.998	1719408	2.00		99.8	4406	
* 5 13C3PFBA										
216.00 > 172.00	4.119	4.118	0.001		1641596	2.00			3799	
6 PFMPA										
229.00 > 84.90	4.467	4.466	0.001	0.930	386573	0.5119		102	2273	
7 3:3 FTCA										
241.00 > 177.00	4.483	4.491	-0.008	0.933	32584	0.9347	Target=1.07	93.5	984	
241.00 > 117.00	4.483	4.491	-0.008	0.933	32428		1.00(0.54-1.61)	93.5	245	
9 PFPA										
263.00 > 219.00	4.804	4.802	0.002	1.000	488939	0.5077		102	391	
D 8 13C5 PFPeA										
268.30 > 223.00	4.804	4.802	0.002	0.913	953044	1.92		96.1	4156	
10 PFMBa										
279.00 > 85.10	4.956	4.954	0.002	1.032	485331	0.4920		98.4	3038	
12 4:2FTS										
327.10 > 307.00	5.076	5.074	0.002	1.000	358629	0.8797	Target=1.69	93.8	2663	
327.10 > 80.90	5.076	5.074	0.002	1.000	212034		1.69(0.85-2.54)	93.8	325	
D 11 13C2-4:2FTS										
329.10 > 80.90	5.076	5.074	0.002	0.806	1034005	4.81		103	3696	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.220	5.218	0.002	0.994	149634	0.4861	Target=1.50	97.2	769	
295.00 > 84.90	5.220	5.218	0.002	0.994	105232		1.42(0.75-2.25)	97.2	620	
* 16 13C2 PFHxA										
315.10 > 270.00	5.262	5.260	0.002		4585363	5.00			7257	
D 15 13C5 PFHxA										
318.00 > 273.00	5.253	5.260	-0.007	0.998	2100636	2.03		101	3906	
17 PFHxA										
313.00 > 269.00	5.262	5.260	0.002	1.002	421116	0.4828	Target=10.04	96.6	1715	
313.00 > 118.90	5.253	5.260	-0.007	1.000	40768		10.33(5.02-15.06)	96.6	356	
18 5:3 FTCA										
341.00 > 237.10	5.350	5.348	0.002	1.019	254699	2.37	Target=0.69	95.0	1108	
341.00 > 217.00	5.340	5.348	-0.008	1.017	368997		0.69(0.35-1.04)	95.0	549	
D 19 13C3 PFBS										
302.10 > 79.90	5.381	5.389	-0.008	0.855	2179845	1.88		101	9450	
20 PFBS										
298.70 > 79.90	5.381	5.389	-0.008	1.000	513220	0.4246	Target=2.81	95.6	2187	
298.70 > 98.80	5.381	5.389	-0.008	1.000	179888		2.85(1.40-4.21)	95.6	1239	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.434	5.442	-0.008	1.033	1565648	1.98		99.2	7860	
23 HFPO-DA										
284.90 > 168.90	5.434	5.442	-0.008	1.000	305056	0.3763	Target=2.38	100	2332	
284.90 > 184.90	5.434	5.442	-0.008	1.000	125499		2.43(1.19-3.57)	100	813	
21 FBSA										
297.90 > 78.00	5.478	5.476	0.002	1.018	368773	0.4453		89.1	1324	
26 PFEESA										
314.80 > 134.90	5.621	5.620	0.001	1.070	1318560	0.4229	Target=13.39	94.8	5067	
314.80 > 82.90	5.621	5.620	0.001	1.070	98644		13.37(6.69-20.08)	94.8	528	
D 28 13C4 PFHpA										
367.10 > 322.00	5.674	5.672	0.002	1.078	2216892	2.04		102	8052	
27 PFHpA										
363.10 > 319.00	5.674	5.684	-0.010	1.000	393545	0.4765	Target=1.71	95.3	1366	
363.10 > 169.00	5.674	5.684	-0.010	1.000	230247		1.71(0.86-2.57)	95.3	876	
29 ADONA										
376.90 > 250.90	5.832	5.830	0.002	1.073	1212150	0.4634	Target=2.10	98.0	4419	
376.90 > 84.80	5.821	5.830	-0.009	1.071	598614		2.02(1.05-3.15)	98.0	1785	
30 PFPeS										
349.10 > 79.90	5.867	5.865	0.002	0.932	494463	0.4577	Target=3.08	97.4	1899	
349.10 > 98.90	5.867	5.865	0.002	0.932	160739		3.08(1.54-4.62)	97.4	638	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.878	5.876	0.002	0.934	977832	5.24		110	3503	
31 6:2FTS										
427.10 > 407.00	5.878	5.876	0.002	1.000	320188	0.8572	Target=1.60	90.0	94.3	
427.10 > 80.90	5.878	5.876	0.002	1.000	208637		1.53(0.80-2.40)	90.0	120	
33 BTS										
280.00 > 147.00	6.014	6.014	0.0	0.955	1194824	0.4782		97.7	5003	
* 34 13C4 PFOA										
417.10 > 372.00	6.076	6.084	-0.008		7196318	5.00			6236	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 35 13C8 PFOA										
421.10 > 376.00	6.076	6.084	-0.008	1.000	2901984	1.96		98.2	4980	
36 PFOA										
413.00 > 369.00	6.076	6.084	-0.008	1.000	402789	0.4825	Target=1.64	96.5	502	
413.00 > 169.00	6.076	6.084	-0.008	1.000	248608		1.62(0.82-2.46)	96.5	347	
37 7:3 FTCA										
441.00 > 316.90	6.177	6.176	0.001	1.176	122925	2.29	Target=0.27	91.7	710	
441.00 > 336.90	6.177	6.176	0.001	1.176	458468		0.27(0.14-0.41)	91.7	942	
D 38 13C3 PFHxS										
402.10 > 79.90	6.295	6.297	-0.002	1.000	1741519	1.84		97.1	3476	
* 39 18O2 PFHxS										
403.00 > 83.90	6.295	6.297	-0.002		1789869	1.90			4700	
40 PFHxS										
398.70 > 79.90	6.295	6.306	-0.011	1.000	397501	0.4311	Target=3.19	94.5	647	
398.70 > 98.90	6.304	6.306	-0.002	1.001	128140		3.10(1.60-4.78)	94.5	229	
D 41 13C9 PFNA										
472.10 > 427.00	6.479	6.479	0.0	1.000	2321328	2.00		99.9	5731	
43 PFNA										
463.00 > 419.00	6.479	6.479	0.0	1.000	456612	0.4840	Target=1.91	96.8	515	
463.00 > 219.00	6.479	6.479	0.0	1.000	233929		1.95(0.96-2.87)	96.8	282	
* 42 13C5 PFNA										
468.00 > 423.00	6.479	6.479	0.0		2373959	2.00			8336	
D 44 13C2-8:2FTS										
529.10 > 80.90	6.653	6.666	-0.013	1.057	842139	4.82		101	2433	
45 8:2FTS										
527.10 > 507.00	6.653	6.666	-0.013	1.000	271894	0.9040	Target=1.66	94.2	1876	
527.10 > 80.80	6.653	6.666	-0.013	1.000	162216		1.68(0.83-2.49)	94.2	1008	
46 PFECHS										
461.00 > 381.00	6.685	6.686	-0.001	1.062	94690	0.4261	Target=0.20	92.2	701	
461.00 > 99.00	6.685	6.686	-0.001	1.062	513539		0.18(0.10-0.30)	92.2	3377	
47 PFHpS										
449.00 > 79.90	6.724	6.725	-0.001	0.943	512064	0.4725	Target=3.28	99.1	1734	
449.00 > 98.80	6.724	6.725	-0.001	0.943	149255		3.43(1.64-4.92)	99.1	1068	
D 49 d3-NMeFOSAA										
573.20 > 419.00	6.822	6.823	-0.001	0.957	1639512	4.96		99.2	3275	
50 NMeFOSAA										
570.10 > 419.00	6.822	6.833	-0.011	1.000	160101	0.4767	Target=1.60	95.3	44.1	
570.10 > 483.00	6.832	6.833	-0.001	1.001	102650		1.56(0.80-2.40)	95.3	165	
53 PFDA										
512.90 > 469.00	6.880	6.881	-0.001	1.000	350163	0.4644	Target=2.79	92.9	1276	
512.90 > 219.00	6.880	6.881	-0.001	1.000	132898		2.63(1.39-4.18)	92.9	681	
D 52 13C6 PFDA										
519.10 > 474.10	6.880	6.881	-0.001	1.000	2503832	2.11		106	6869	
* 51 13C2 PFDA										
515.10 > 470.10	6.880	6.881	-0.001		2326073	2.00			14118	
48 FHxSA										
397.90 > 78.00	6.889	6.890	-0.001	1.094	545643	0.4776		95.5	2033	

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	7.005	7.005	0.0	0.983	1406658	4.82		96.3	2882	
55 NEtFOSAA										
584.20 > 419.10	7.015	7.005	0.010	1.001	117462	0.4979	Target=1.35	99.6	199	
584.20 > 526.00	7.005	7.005	0.0	1.000	85017		1.38(0.67-2.02)	99.6	136	
D 56 13C8 PFOS										
507.10 > 79.90	7.129	7.139	-0.010	1.000	1543059	1.94		101	2716	
58 PFOS										
498.90 > 79.90	7.138	7.139	-0.001	1.001	542864	0.4485	Target=4.17	96.5	836	
498.90 > 98.80	7.138	7.139	-0.001	1.001	125326		4.33(2.08-6.25)	96.5	281	
* 57 13C4 PFOS										
502.80 > 79.90	7.129	7.139	-0.010		1514944	1.92			7547	
D 59 13C7 PFUnA										
570.00 > 525.10	7.282	7.283	-0.001	1.058	2659384	2.05		103	9439	
60 PFUnA										
563.10 > 519.00	7.282	7.283	-0.001	1.000	489680	0.4638	Target=5.71	92.8	2092	
563.10 > 269.10	7.282	7.283	-0.001	1.000	92459		5.30(2.86-8.56)	92.8	542	
61 9ClFOS										
530.80 > 351.00	7.450	7.451	-0.001	1.045	1038104	0.4344	Target=3.03	93.0	4015	
532.80 > 353.00	7.450	7.451	-0.001	1.045	337333		3.08(1.51-4.54)	93.0	1805	
62 PFNS										
548.80 > 79.90	7.543	7.544	-0.001	1.058	369362	0.4509	Target=3.29	93.7	2605	
548.80 > 98.80	7.533	7.544	-0.011	1.057	110104		3.35(1.65-4.94)	93.7	559	
63 PFDoA										
613.10 > 569.00	7.687	7.687	0.0		430185	0.4720	Target=4.72	94.4	1721	
613.10 > 319.00	7.678	7.687	-0.009		98197		4.38(2.36-7.08)	94.4	647	
D 81 PFDoA										
615.10 > 570.00	7.687	7.687	0.0	1.117	2480155	2.09		104	5390	
66 PFDS										
599.00 > 79.90	7.936	7.937	-0.001	1.113	422108	0.4385	Target=3.35	91.0	2310	
599.00 > 98.80	7.936	7.937	-0.001	1.113	130624		3.23(1.67-5.02)	91.0	797	
D 65 13C8 FOSA										
506.10 > 77.80	7.954	7.954	0.0	1.116	1844579	1.99		99.3	5460	
64 PFOSA										
498.10 > 77.90	7.963	7.963	0.0	1.001	423458	0.4797	Target=40.44	95.9	739	M
498.10 > 478.00	7.945	7.963	-0.018	0.999	10386		40.77(20.22-60.66)	95.9	38.2	M
67 PFTrDA										
663.00 > 619.00	8.080	8.081	-0.001	0.955	653279	0.4824	Target=7.60	96.5	5635	
663.00 > 168.90	8.080	8.081	-0.001	0.955	87925		7.43(3.80-11.40)	96.5	612	
68 11ClFOS										
630.90 > 450.90	8.239	8.250	-0.011	1.156	704561	0.4438	Target=3.14	94.0	5770	
632.90 > 452.90	8.239	8.250	-0.011	1.156	211672		3.33(1.57-4.71)	94.0	1581	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.464	8.464	0.0	1.230	1500087	2.03		102	3831	
69 PFTeDA										
713.10 > 168.90	8.464	8.474	-0.010	1.000	71337	0.5042	Target=1.10	101	624	
713.10 > 219.00	8.464	8.474	-0.010	1.000	62846		1.14(0.55-1.65)	101	601	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
71 PFDoS										
699.10 > 79.90	8.677	8.668	0.009	1.217	364443	0.4525	Target=3.69	93.3	1954	
699.10 > 98.80	8.677	8.668	0.009	1.217	91347		3.99(1.84-5.53)	93.3	1184	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.823	8.825	-0.002	1.238	343521	5.09		102	553	
73 N-MeFOSE-M										
616.10 > 58.90	8.843	8.844	-0.001	1.002	439230	2.33		93.3	490	
D 75 d3-NMePFOSA										
515.00 > 219.00	8.941	8.942	-0.001	1.254	505313	1.89		94.5	2259	
74 NMeFOSA										
511.90 > 219.00	8.941	8.942	-0.001	1.000	124708	0.4965	Target=0.69	99.3	1022	
511.90 > 169.00	8.941	8.942	-0.001	1.000	180514		0.69(0.34-1.03)	99.3	322	
D 76 d9-N-EtFOSE										
639.20 > 58.90	9.065	9.066	-0.001	1.272	398669	4.96		99.2	588	
77 N-EtFOSE-M										
630.00 > 58.90	9.079	9.080	-0.001	1.002	617498	2.31		92.3	821	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.149	9.151	-0.001	1.283	619335	1.92		95.8	1985	
79 N-EtFOSA-M										
526.00 > 219.00	9.163	9.164	-0.001	1.001	137466	0.4851	Target=0.85	97.0	952	
526.00 > 169.00	9.163	9.164	-0.001	1.001	166800		0.82(0.43-1.28)	97.0	569	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.384	9.385	-0.001	1.109	376488	0.4632	Target=16.54	92.6	4818	
913.00 > 169.00	9.384	9.385	-0.001	1.109	24572		15.32(8.27-24.81)	92.6	1280	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_CAL3_00034

Amount Added: 1.00

Units: mL

Data File: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\25DEC03CAL-03.d

Injection Date: 03-Dec-2025 16:25:30

Instrument ID: 30577

Lims ID: IC CAL 3

Client ID:

Operator ID: ETUS023_USR_INS00009

ALS Bottle#: 4

Worklist Smp#: 3

Injection Vol: 7.0 ul

Dil. Factor: 1.0000

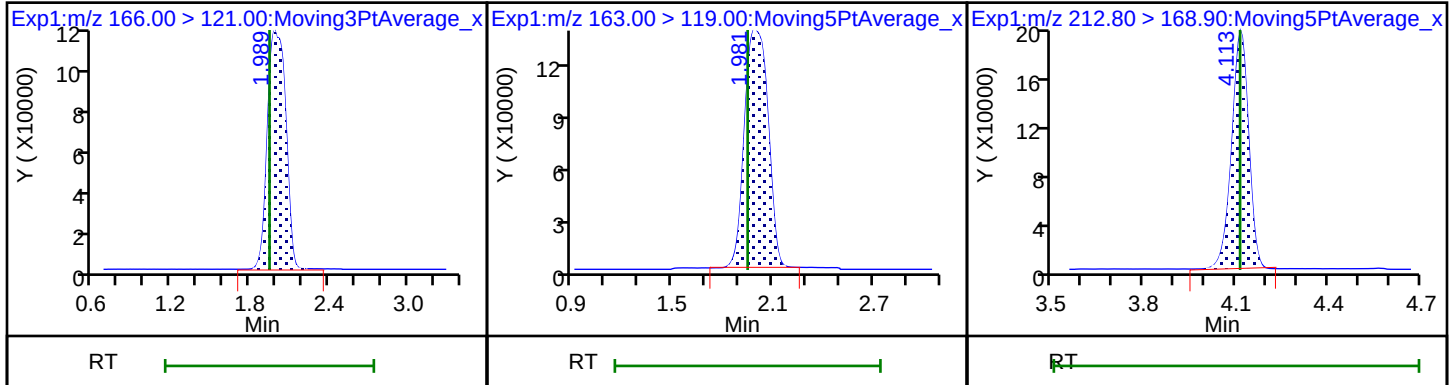
Method: 30577-1633-125

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid

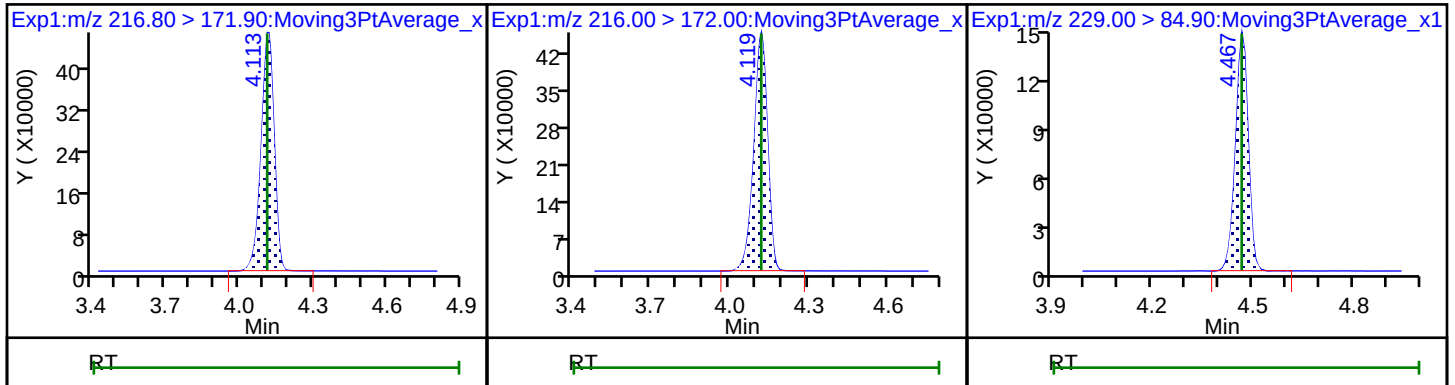
3 PFBA



D 4 13C4-PFBA

* 5 13C3PFBA

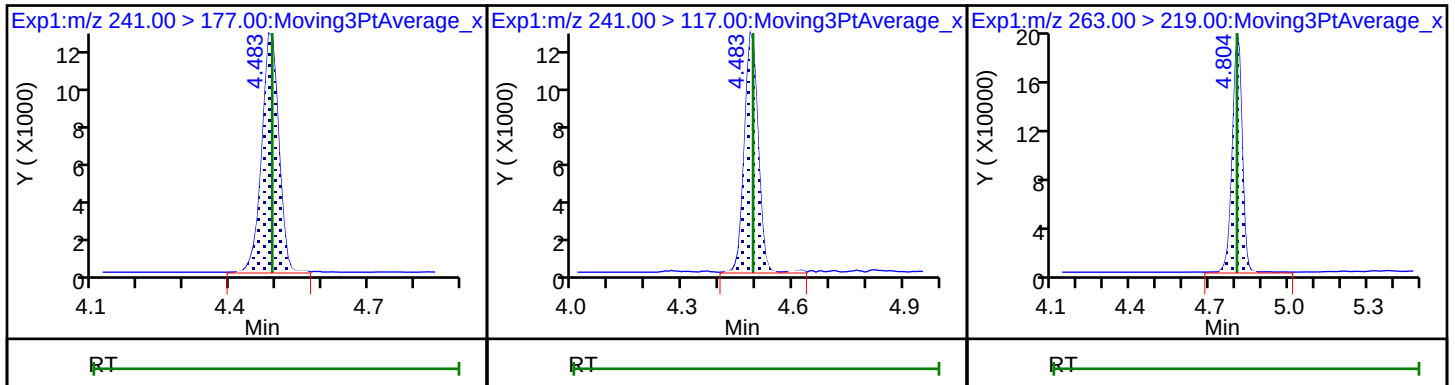
6 PFMPA



7 3:3 FTCA

7 3:3 FTCA

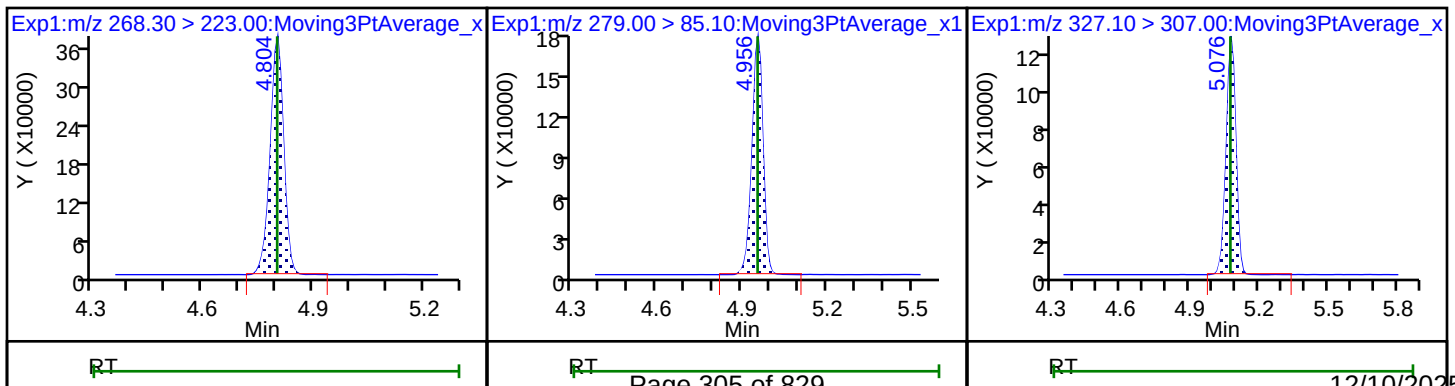
9 PFPA

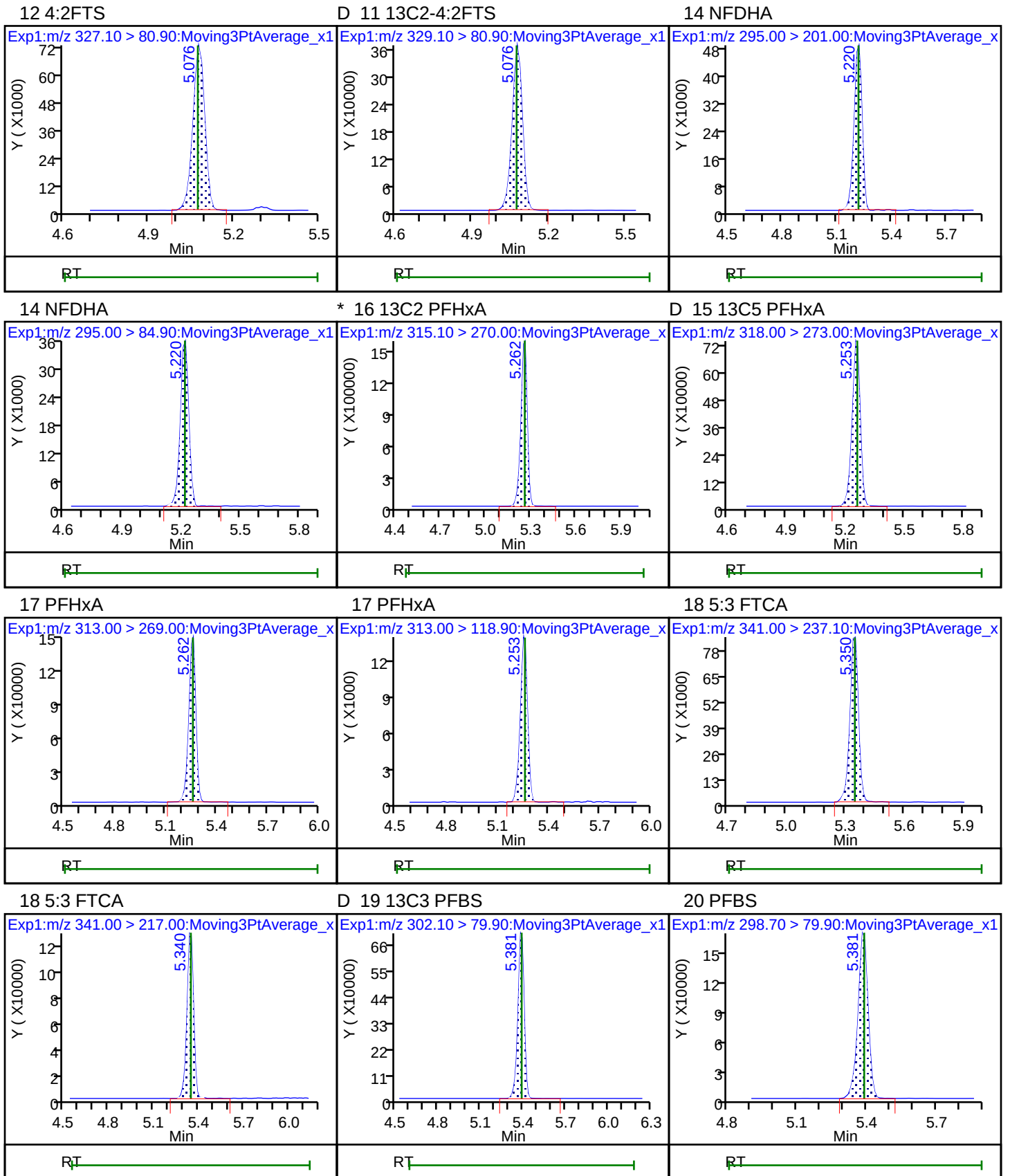


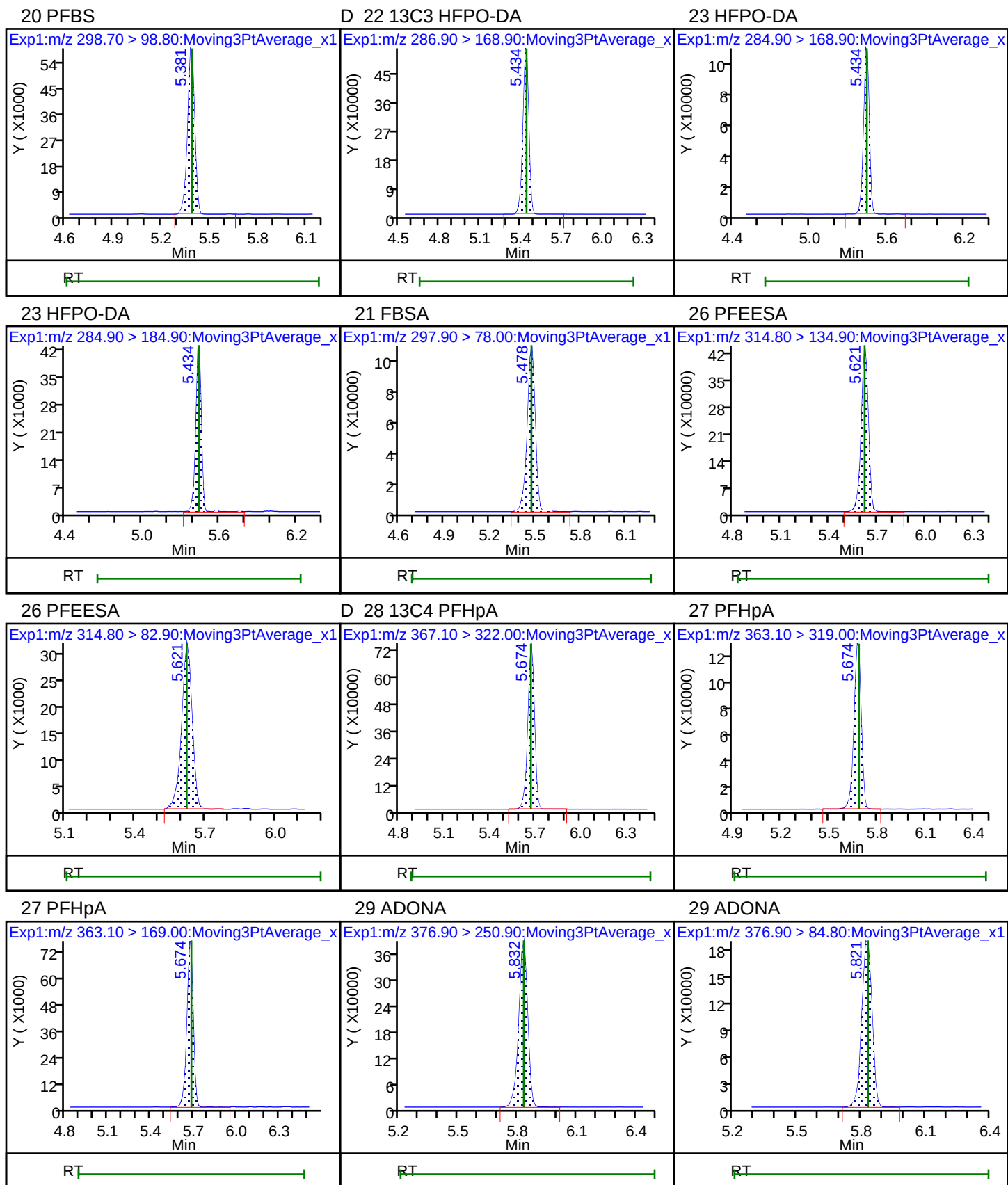
D 8 13C5 PFPeA

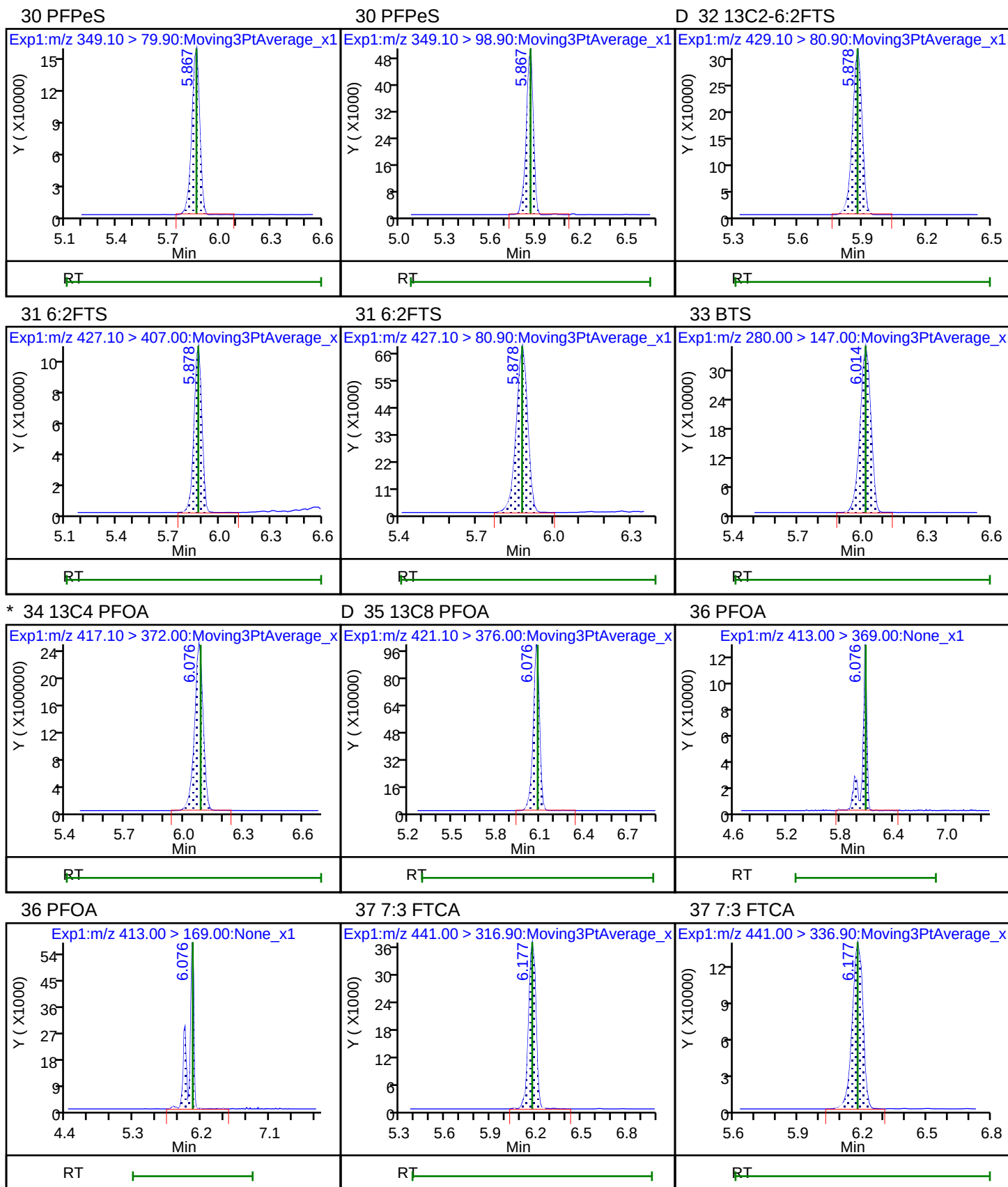
10 PFMBa

12 4:2FTS





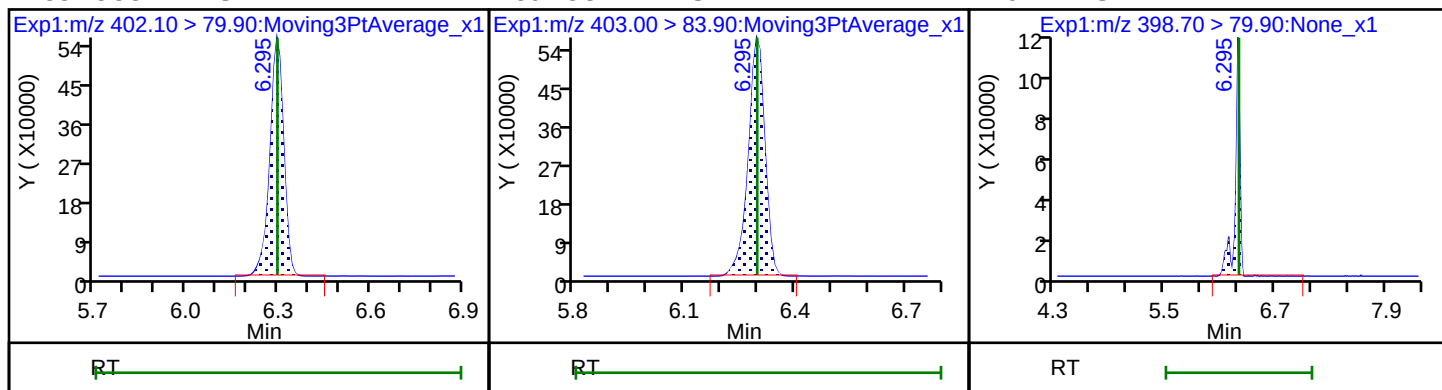




D 38 13C3 PFHxS

* 39 18O2 PFHxS

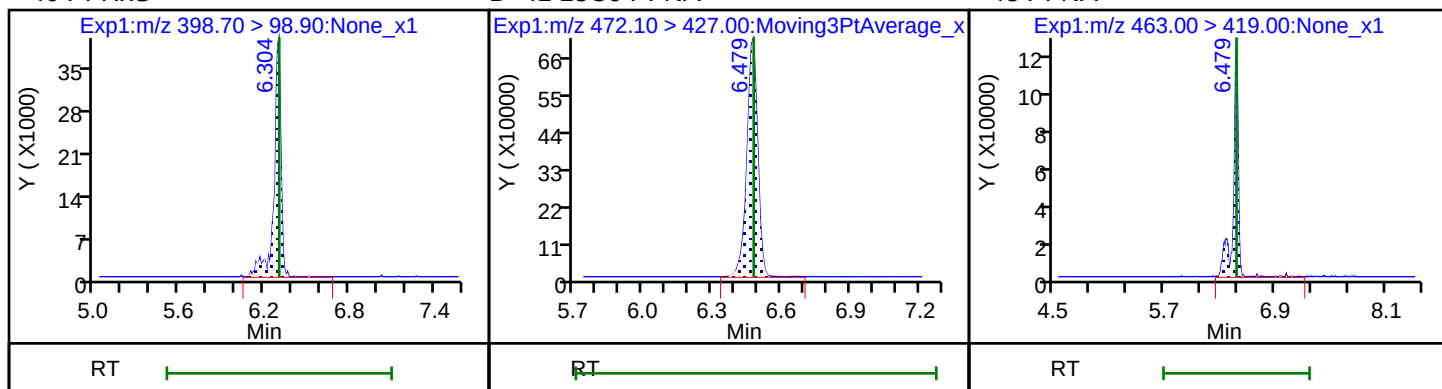
40 PFHxS



40 PFHxS

D 41 13C9 PFNA

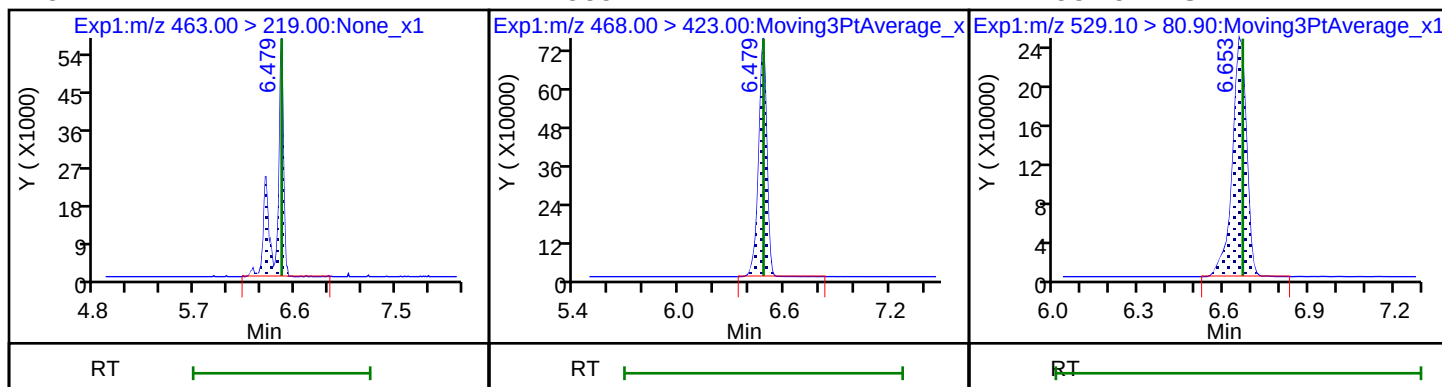
43 PFNA



43 PFNA

* 42 13C5 PFNA

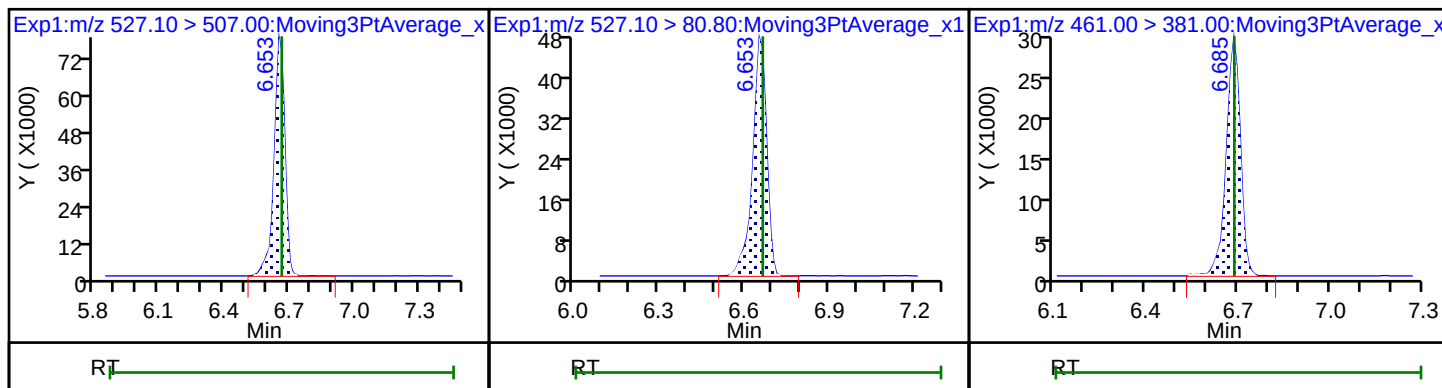
D 44 13C2-8:2FTS



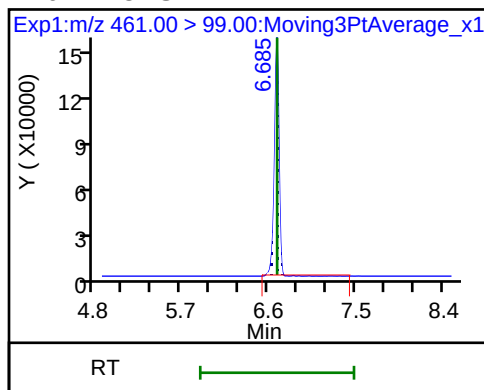
45 8:2FTS

45 8:2FTS

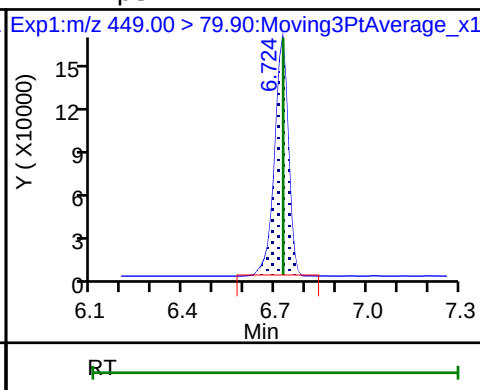
46 PFECHS



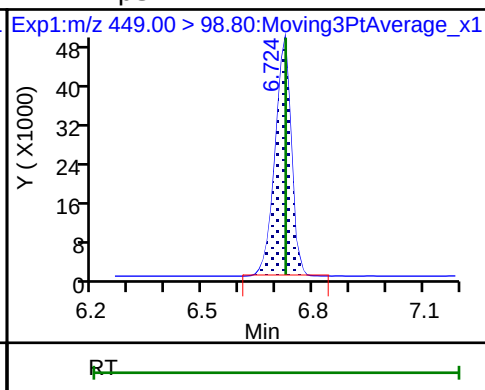
46 PFECHS



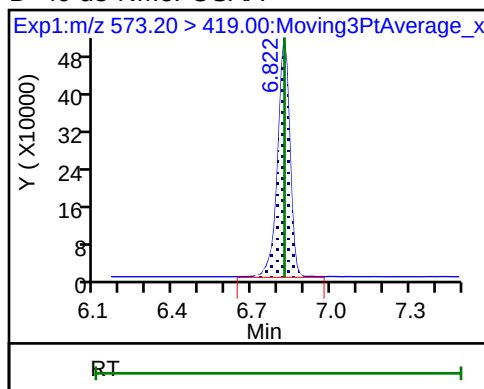
47 PFHpS



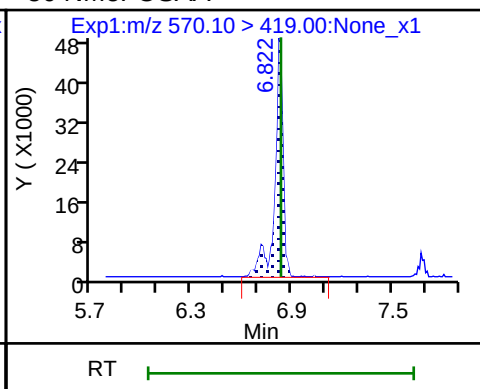
47 PFHpS



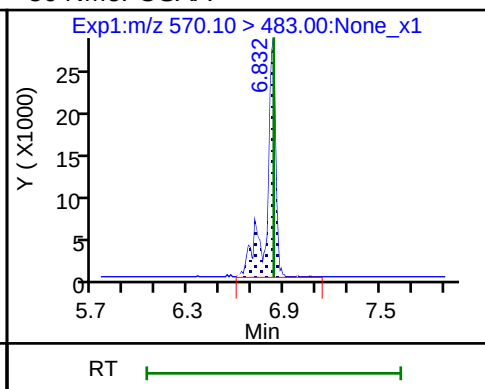
D 49 d3-NMeFOSAA



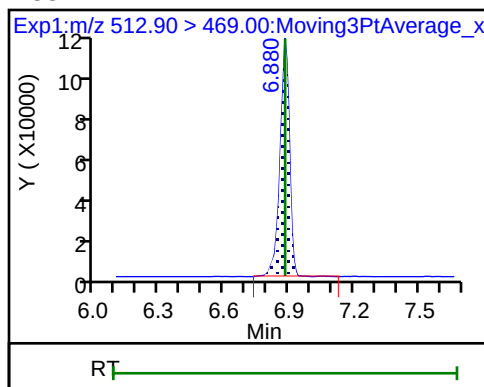
50 NMeFOSAA



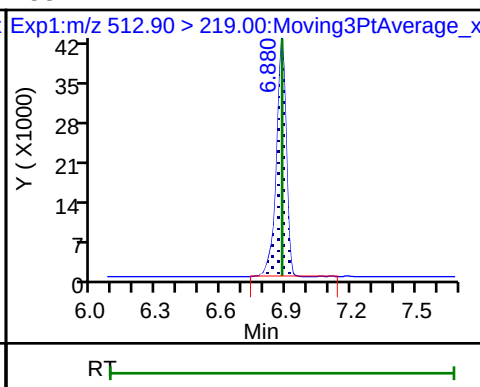
50 NMeFOSAA



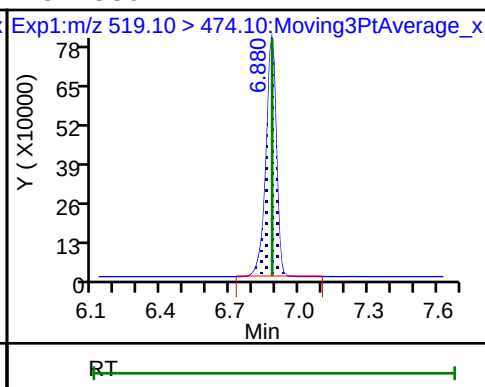
53 PFDA



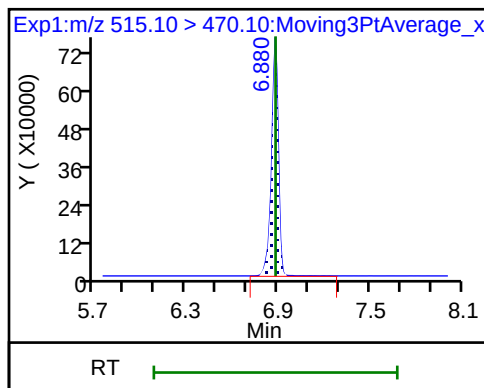
53 PFDA



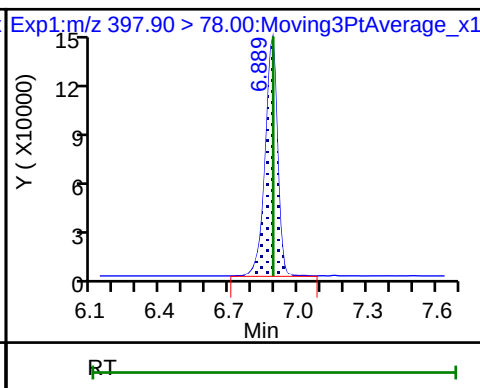
D 52 13C6 PFDA



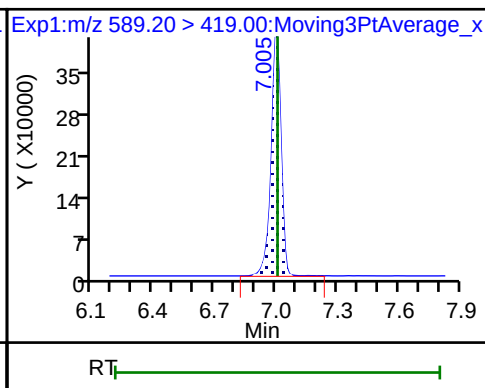
* 51 13C2 PFDA

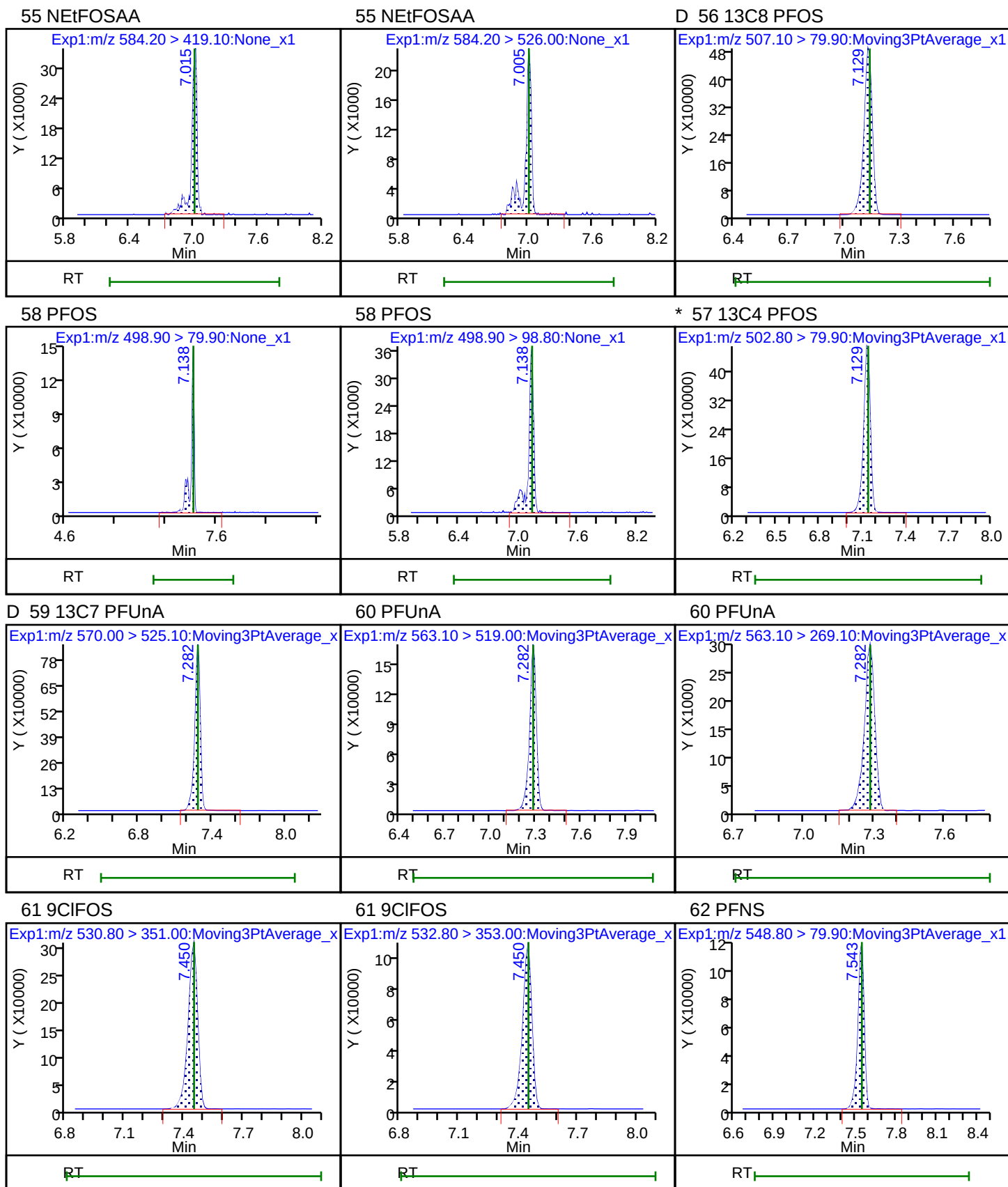


48 FHxSA

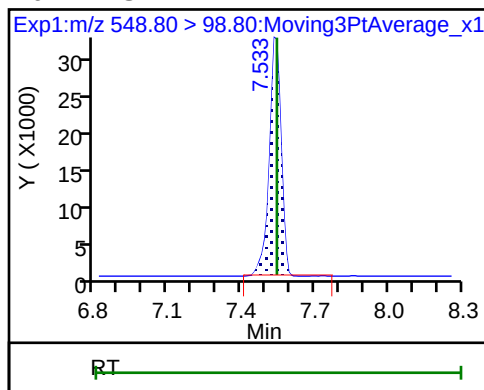


D 54 d5-NEtFOSAA

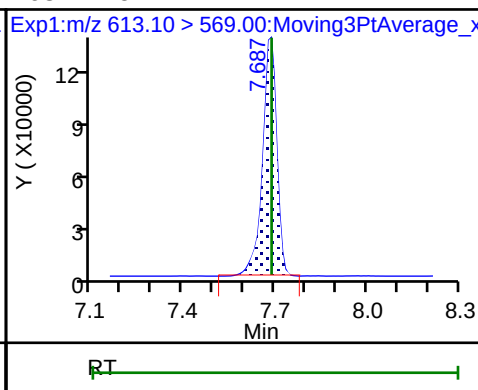




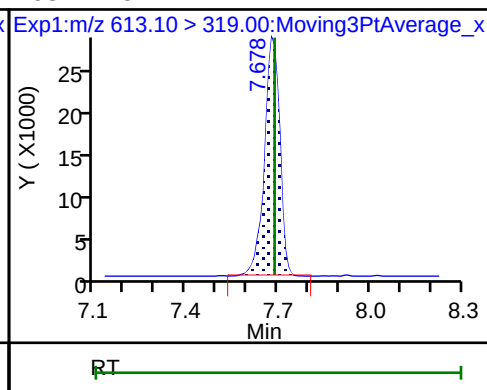
62 PFNS



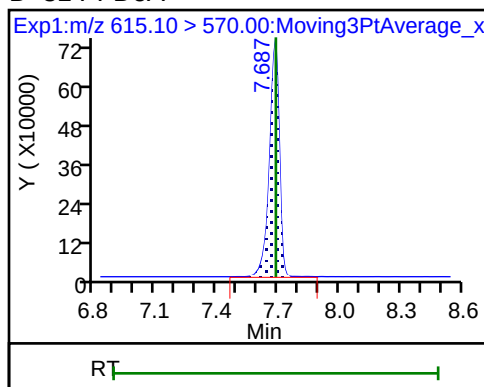
63 PFDaA



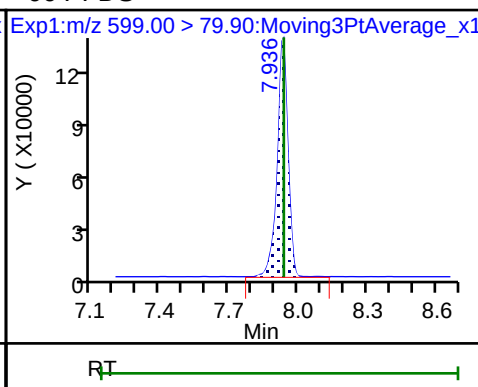
63 PFDaA



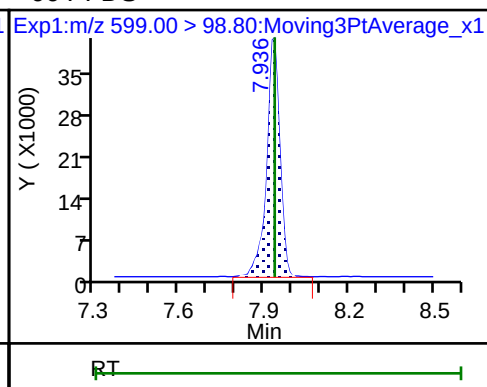
D 81 PFDaA



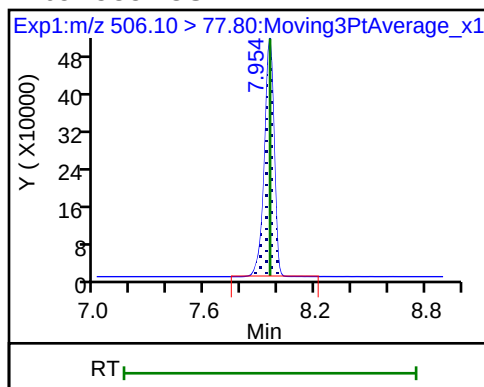
66 PFDS



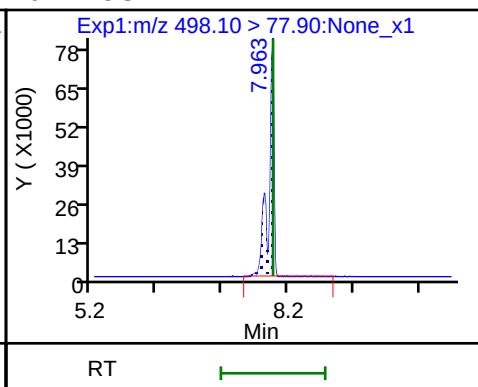
66 PFDS



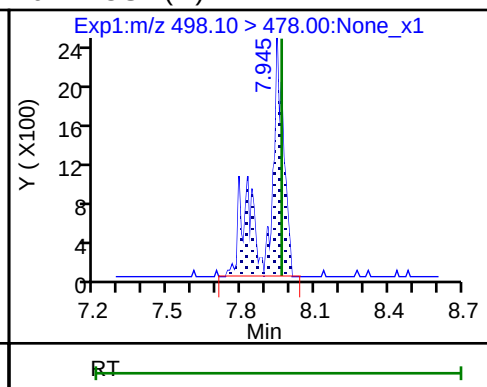
D 65 13C8 FOSA



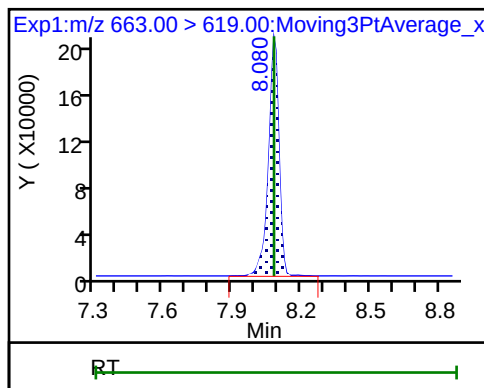
64 PFOSA



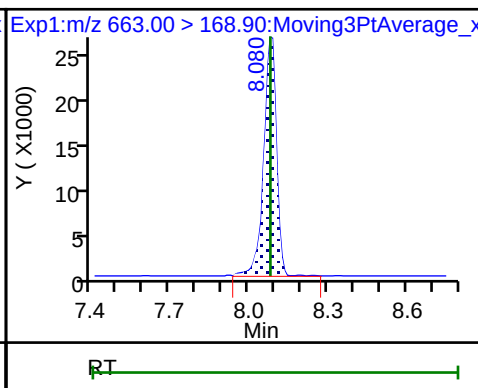
64 PFOSA (M)



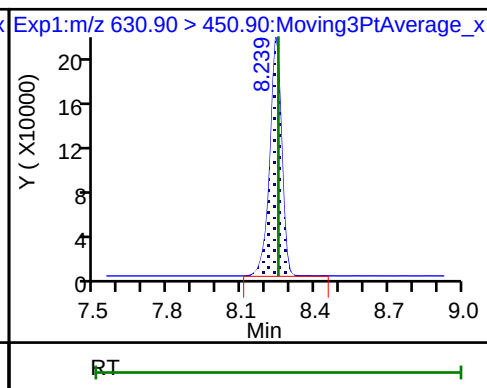
67 PFTTrDA

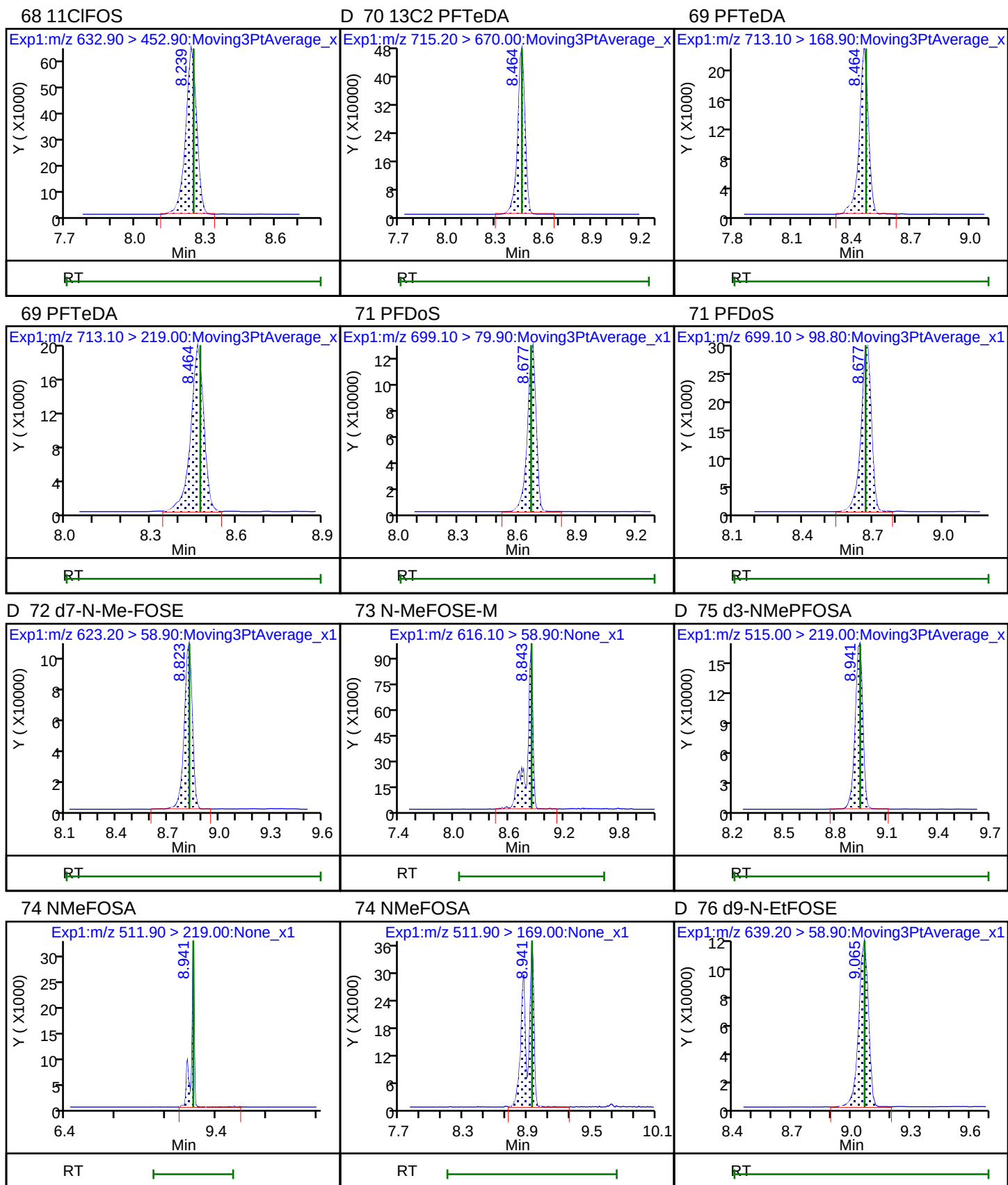


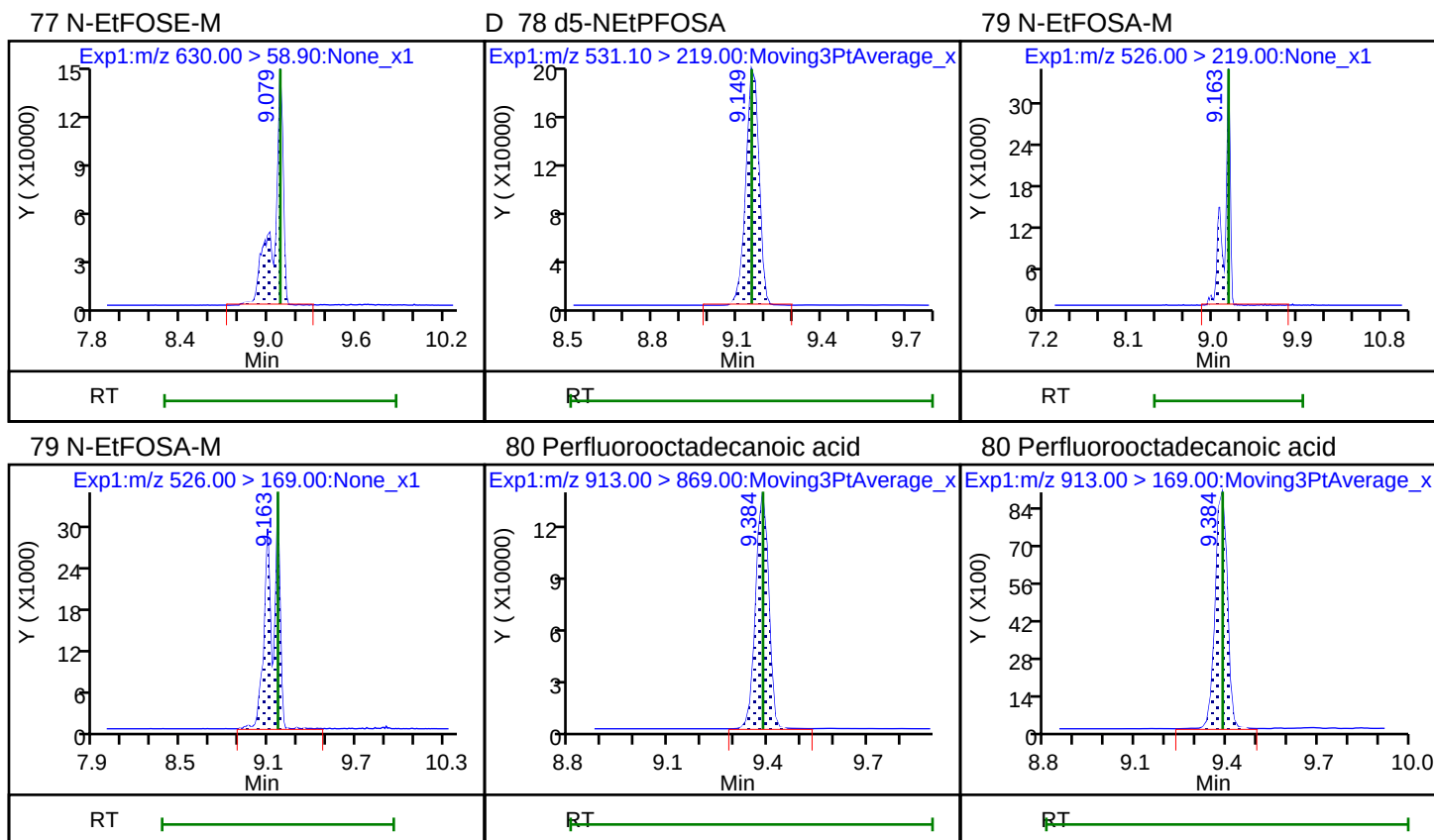
67 PFTTrDA



68 11CIFOS







Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\25DEC03CAL-04.d
 Lims ID: IC CAL 4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 03-Dec-2025 16:39:06 ALS Bottle#: 5 Worklist Smp#: 4
 Injection Vol: 7.0 ul Dil. Factor: 1.0000
 Sample Info: IC CAL 4
 Misc. Info.: Plate: 1 Rack: 1 410-0168744-004
 Operator ID: ETUS023_USR_INS00009 Instrument ID: 30577
 Sublist: chrom-30577-1633-125*sub7
 Method: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\30577-1633-125.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 03-Dec-2025 20:29:53 Calib Date: 03-Dec-2025 17:33:28
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\25DEC03CAL-08.d

Column 1 : Det: EXP1
 Process Host: CTX1687

First Level Reviewer: XBL5 Date: 03-Dec-2025 18:49:05

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	1.964	1.947	0.017	0.477	1116969	2.01		101	2277	
2 Perfluoropropionic acid										
163.00 > 119.00	1.972	1.947	0.025	1.004	2638563	4.94		98.8	13864	
3 PFBA										
212.80 > 168.90	4.113	4.112	0.001	1.000	1518780	1.97		98.7	13953	
D 4 13C4-PFBA										
216.80 > 171.90	4.113	4.112	0.001	0.998	1658944	1.97		98.5	4655	
* 5 13C3PFBA										
216.00 > 172.00	4.119	4.118	0.001		1604396	2.00			3589	
6 PFMPA										
229.00 > 84.90	4.467	4.466	0.001	0.930	744234	0.9641		96.4	2549	
7 3:3 FTCA										
241.00 > 177.00	4.492	4.491	0.001	0.935	73823	2.07	Target=1.07	104	1415	
241.00 > 117.00	4.492	4.491	0.001	0.935	63512		1.16(0.54-1.61)	104	524	
9 PFPA										
263.00 > 219.00	4.804	4.802	0.002	1.000	976217	0.99		99.2	757	
D 8 13C5 PFPeA										
268.30 > 223.00	4.804	4.802	0.002	0.913	974281	1.93		96.5	3545	
10 PFMBBA										
279.00 > 85.10	4.956	4.954	0.002	1.032	1024351	1.02		102	4385	
12 4:2FTS										
327.10 > 307.00	5.076	5.074	0.002	1.000	760321	1.95	Target=1.69	104	2977	
327.10 > 80.90	5.076	5.074	0.002	1.000	426719		1.78(0.85-2.54)	104	450	
D 11 13C2-4:2FTS										
329.10 > 80.90	5.076	5.074	0.002	0.806	990244	4.63		98.7	5600	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.220	5.218	0.002	0.992	276780	0.9123	Target=1.50	91.2	1800	
295.00 > 84.90	5.220	5.218	0.002	0.992	195509		1.42(0.75-2.25)	91.2	1373	
* 16 13C2 PFHxA										
315.10 > 270.00	5.262	5.260	0.002		4668190	5.00			7021	
D 15 13C5 PFHxA										
318.00 > 273.00	5.262	5.260	0.002	1.000	2070586	1.97		98.3	3891	
17 PFHxA										
313.00 > 269.00	5.262	5.260	0.002	1.000	829598	0.9648	Target=10.04	96.5	2578	
313.00 > 118.90	5.262	5.260	0.002	1.000	83672		9.91(5.02-15.06)	96.5	927	
18 5:3 FTCA										
341.00 > 237.10	5.350	5.348	0.002	1.017	489939	4.63	Target=0.69	92.7	1658	
341.00 > 217.00	5.350	5.348	0.002	1.017	707585		0.69(0.35-1.04)	92.7	1190	
D 19 13C3 PFBS										
302.10 > 79.90	5.392	5.389	0.003	0.856	2103401	1.82		97.6	10523	
20 PFBS										
298.70 > 79.90	5.392	5.389	0.003	1.000	999856	0.8572	Target=2.81	96.5	3560	
298.70 > 98.80	5.392	5.389	0.003	1.000	338178		2.96(1.40-4.21)	96.5	1893	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.445	5.442	0.003	1.035	1603319	2.00		99.8	5666	
23 HFPO-DA										
284.90 > 168.90	5.445	5.442	0.003	1.000	595090	0.7168	Target=2.38	95.6	2861	
284.90 > 184.90	5.445	5.442	0.003	1.000	239175		2.49(1.19-3.57)	95.6	1932	
21 FBSA										
297.90 > 78.00	5.490	5.476	0.014	1.018	753376	0.9427		94.3	2204	
26 PFEESA										
314.80 > 134.90	5.621	5.620	0.001	1.068	2674631	0.8702	Target=13.39	97.6	7320	
314.80 > 82.90	5.631	5.620	0.011	1.070	200443		13.34(6.69-20.08)	97.6	1040	
D 28 13C4 PFHpA										
367.10 > 322.00	5.674	5.672	0.002	1.078	2116859	1.91		95.6	6009	
27 PFHpA										
363.10 > 319.00	5.686	5.684	0.002	1.002	757502	0.9605	Target=1.71	96.1	1978	
363.10 > 169.00	5.674	5.684	-0.010	1.000	439221		1.72(0.86-2.57)	96.1	1799	
29 ADONA										
376.90 > 250.90	5.832	5.830	0.002	1.071	2479526	0.9257	Target=2.10	97.9	4924	
376.90 > 84.80	5.832	5.830	0.002	1.071	1175793		2.11(1.05-3.15)	97.9	4126	
30 PFPeS										
349.10 > 79.90	5.867	5.865	0.002	0.932	1027192	0.9443	Target=3.08	100	3441	
349.10 > 98.90	5.867	5.865	0.002	0.932	327459		3.14(1.54-4.62)	100	2431	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.878	5.876	0.002	0.933	915191	4.93		103	3362	
31 6:2FTS										
427.10 > 407.00	5.878	5.876	0.002	1.000	649081	1.86	Target=1.60	97.5	156	
427.10 > 80.90	5.878	5.876	0.002	1.000	379182		1.71(0.80-2.40)	97.5	128	
33 BTS										
280.00 > 147.00	6.025	6.014	0.011	0.957	2335974	0.9285		94.8	4347	
* 34 13C4 PFOA										
417.10 > 372.00	6.085	6.084	0.001		6761715	5.00			5851	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 35 13C8 PFOA										
421.10 > 376.00	6.085	6.084	0.001	1.000	2807412	2.02		101	4743	
36 PFOA										
413.00 > 369.00	6.085	6.084	0.001	1.000	812322	1.01	Target=1.64	101	927	
413.00 > 169.00	6.085	6.084	0.001	1.000	484676		1.68(0.82-2.46)	101	669	
37 7:3 FTCA										
441.00 > 316.90	6.186	6.176	0.010	1.176	252917	4.79	Target=0.27	95.7	1266	
441.00 > 336.90	6.186	6.176	0.010	1.176	949132		0.27(0.14-0.41)	95.7	2302	
D 38 13C3 PFHxS										
402.10 > 79.90	6.298	6.297	0.001	1.000	1753544	1.86		98.3	4297	
* 39 18O2 PFHxS										
403.00 > 83.90	6.298	6.297	0.001		1781042	1.90			3886	
40 PFHxS										
398.70 > 79.90	6.298	6.306	-0.008	1.000	788958	0.8497	Target=3.19	93.2	1499	
398.70 > 98.90	6.307	6.306	0.001	1.001	266093		2.96(1.60-4.78)	93.2	677	
* 42 13C5 PFNA										
468.00 > 423.00	6.480	6.479	0.001		2403044	2.00			4462	
D 41 13C9 PFNA										
472.10 > 427.00	6.480	6.479	0.001	1.000	2272686	1.93		96.6	6562	
43 PFNA										
463.00 > 419.00	6.480	6.479	0.001	1.000	917477	0.99	Target=1.91	99.3	1041	
463.00 > 219.00	6.480	6.479	0.001	1.000	469513		1.95(0.96-2.87)	99.3	695	
D 44 13C2-8:2FTS										
529.10 > 80.90	6.668	6.666	0.002	1.059	856245	4.93		103	2951	
45 8:2FTS										
527.10 > 507.00	6.668	6.666	0.002	1.000	551348	1.80	Target=1.66	93.9	2627	
527.10 > 80.80	6.668	6.666	0.002	1.000	333116		1.66(0.83-2.49)	93.9	1615	
46 PFECHS										
461.00 > 381.00	6.689	6.686	0.003	1.062	207342	0.9265	Target=0.20	100	846	
461.00 > 99.00	6.689	6.686	0.003	1.062	994305		0.21(0.10-0.30)	100	3511	
47 PFHpS										
449.00 > 79.90	6.728	6.725	0.003	0.942	974537	0.9742	Target=3.28	102	3196	
449.00 > 98.80	6.728	6.725	0.003	0.942	288895		3.37(1.64-4.92)	102	2268	
D 49 d3-NMeFOSAA										
573.20 > 419.00	6.826	6.823	0.003	0.956	1607101	5.10		102	3820	
50 NMeFOSAA										
570.10 > 419.00	6.836	6.833	0.003	1.001	332686	1.01	Target=1.60	101	96.1	
570.10 > 483.00	6.826	6.833	-0.007	1.000	194183		1.71(0.80-2.40)	101	234	
D 52 13C6 PFDA										
519.10 > 474.10	6.883	6.881	0.002	1.000	2378309	1.98		99.1	7572	
* 51 13C2 PFDA										
515.10 > 470.10	6.883	6.881	0.002		2352614	2.00			5493	
53 PFDA										
512.90 > 469.00	6.883	6.881	0.002	1.000	716137	1.00	Target=2.79	100	2491	
512.90 > 219.00	6.883	6.881	0.002	1.000	261696		2.74(1.39-4.18)	100	1106	
48 FHxSA										
397.90 > 78.00	6.892	6.890	0.002	1.094	1087383	0.9453		94.5	2917	

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	7.008	7.005	0.003	0.981	1341285	4.81		96.2	4354	
55 NEtFOSAA										
584.20 > 419.10	7.018	7.005	0.013	1.001	230616	1.03	Target=1.35	103	369	
584.20 > 526.00	7.008	7.005	0.003	1.000	169477		1.36(0.67-2.02)	103	227	
D 56 13C8 PFOS										
507.10 > 79.90	7.141	7.139	0.002	1.000	1424413	1.88		98.1	2469	
58 PFOS										
498.90 > 79.90	7.141	7.139	0.002	1.000	1028701	0.9208	Target=4.17	99.0	1560	
498.90 > 98.80	7.141	7.139	0.002	1.000	257280		4.00(2.08-6.25)	99.0	586	
* 57 13C4 PFOS										
502.80 > 79.90	7.141	7.139	0.002		1446157	1.92			4944	
D 59 13C7 PFUnA										
570.00 > 525.10	7.284	7.283	0.001	1.058	2640915	2.02		101	6059	
60 PFUnA										
563.10 > 519.00	7.293	7.283	0.010	1.001	1079734	1.03	Target=5.71	103	5104	
563.10 > 269.10	7.293	7.283	0.010	1.001	175027		6.17(2.86-8.56)	103	1575	
61 9ClFOS										
530.80 > 351.00	7.452	7.451	0.001	1.044	2068918	0.9379	Target=3.03	100	8010	
532.80 > 353.00	7.452	7.451	0.001	1.044	677309		3.05(1.51-4.54)	100	3540	
62 PFNS										
548.80 > 79.90	7.545	7.544	0.001	1.057	717525	0.9488	Target=3.29	98.6	3315	
548.80 > 98.80	7.545	7.544	0.001	1.057	217824		3.29(1.65-4.94)	98.6	1117	
63 PFDoA										
613.10 > 569.00	7.689	7.687	0.002		863666	0.9843	Target=4.72	98.4	3462	
613.10 > 319.00	7.689	7.687	0.002		195325		4.42(2.36-7.08)	98.4	1024	
D 81 PFDoA										
615.10 > 570.00	7.689	7.687	0.002	1.117	2387778	1.99		99.4	4269	
66 PFDS										
599.00 > 79.90	7.938	7.937	0.001	1.112	857419	0.9650	Target=3.35	100	2950	
599.00 > 98.80	7.938	7.937	0.001	1.112	256453		3.34(1.67-5.02)	100	1685	
D 65 13C8 FOSA										
506.10 > 77.80	7.955	7.954	0.001	1.114	1769105	2.00		99.8	3813	
64 PFOSA										
498.10 > 77.90	7.955	7.963	-0.008	1.000	838089	0.9898	Target=40.44	99.0	1965	
498.10 > 478.00	7.946	7.963	-0.017	0.999	19893		42.13(20.22-60.66)	99.0	37.9	
67 PFTTrDA										
663.00 > 619.00	8.081	8.081	0.0	0.955	1326823	0.99	Target=7.60	99.1	9261	
663.00 > 168.90	8.081	8.081	0.0	0.955	175962		7.54(3.80-11.40)	99.1	1667	
68 11ClFOS										
630.90 > 450.90	8.240	8.250	-0.010	1.154	1342477	0.9160	Target=3.14	97.0	4639	
632.90 > 452.90	8.240	8.250	-0.010	1.154	447467		3.00(1.57-4.71)	97.0	2898	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.464	8.464	0.0	1.230	1545264	2.07		103	4720	
69 PFTeDA										
713.10 > 168.90	8.464	8.474	-0.010	1.000	138613	0.9511	Target=1.10	95.1	1196	
713.10 > 219.00	8.464	8.474	-0.010	1.000	122774		1.13(0.55-1.65)	95.1	919	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
71 PFDoS										
699.10 > 79.90	8.678	8.668	0.010	1.215	690972	0.9294	Target=3.69	95.8	2212	
699.10 > 98.80	8.678	8.668	0.010	1.215	196962		3.51(1.84-5.53)	95.8	2039	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.825	8.825	0.0	1.236	313143	4.86		97.1	513	
73 N-MeFOSE-M										
616.10 > 58.90	8.844	8.844	0.0	1.002	855276	4.98		99.6	745	
D 75 d3-NMePFOSA										
515.00 > 219.00	8.942	8.942	0.0	1.252	510098	2.00		99.9	3187	
74 NMeFOSA										
511.90 > 219.00	8.942	8.942	0.0	1.000	257092	1.01	Target=0.69	101	1043	
511.90 > 169.00	8.942	8.942	0.0	1.000	360416		0.71(0.34-1.03)	101	725	
D 76 d9-N-EtFOSE										
639.20 > 58.90	9.066	9.066	0.0	1.270	383484	5.00		100.0	568	
77 N-EtFOSE-M										
630.00 > 58.90	9.081	9.080	0.001	1.002	1236363	4.81		96.1	1639	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.151	9.151	0.001	1.281	602937	1.95		97.7	2377	
79 N-EtFOSA-M										
526.00 > 219.00	9.164	9.164	0.0	1.001	274164	0.99	Target=0.85	99.4	1280	
526.00 > 169.00	9.164	9.164	0.0	1.001	326979		0.84(0.43-1.28)	99.4	1042	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.385	9.385	0.0	1.109	792462	0.9464	Target=16.54	94.6	9258	
913.00 > 169.00	9.372	9.385	-0.013	1.107	48132		16.46(8.27-24.81)	94.6	2187	

QC Flag Legend

Processing Flags

Reagents:

1633_125_CAL4_00077

Amount Added: 1.00

Units: mL

Data File: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\25DEC03CAL-04.d

Injection Date: 03-Dec-2025 16:39:06

Instrument ID: 30577

Lims ID: IC CAL 4

Client ID:

Operator ID: ETUS023_USR_INS00009

ALS Bottle#: 5

Worklist Smp#: 4

Injection Vol: 7.0 ul

Dil. Factor: 1.0000

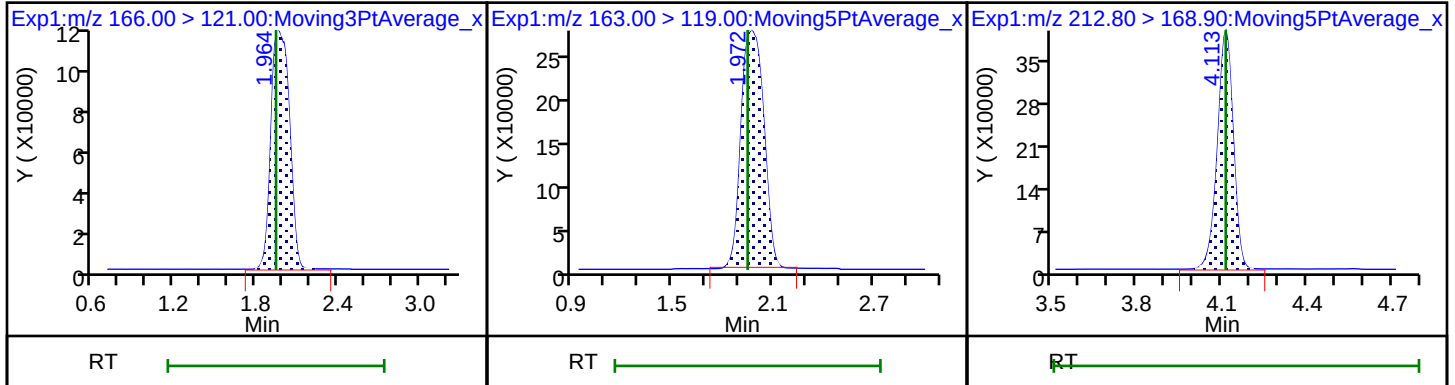
Method: 30577-1633-125

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid

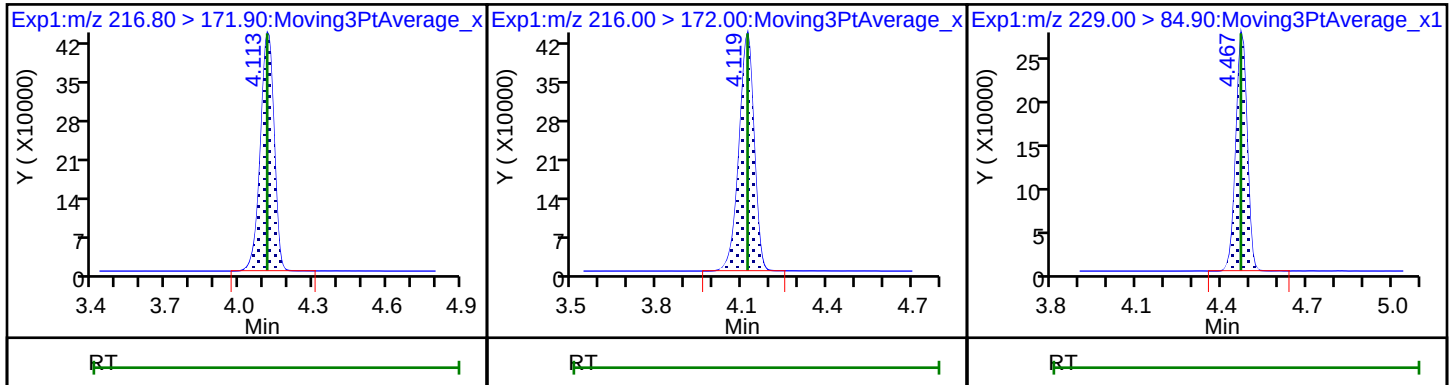
3 PFBA



D 4 13C4-PFBA

* 5 13C3PFBA

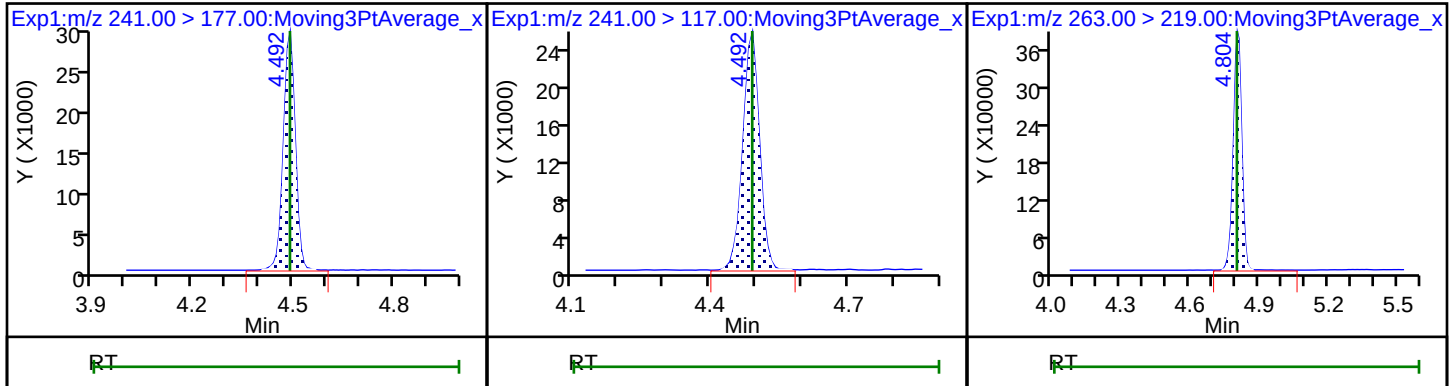
6 PFMPA



7 3:3 FTCA

7 3:3 FTCA

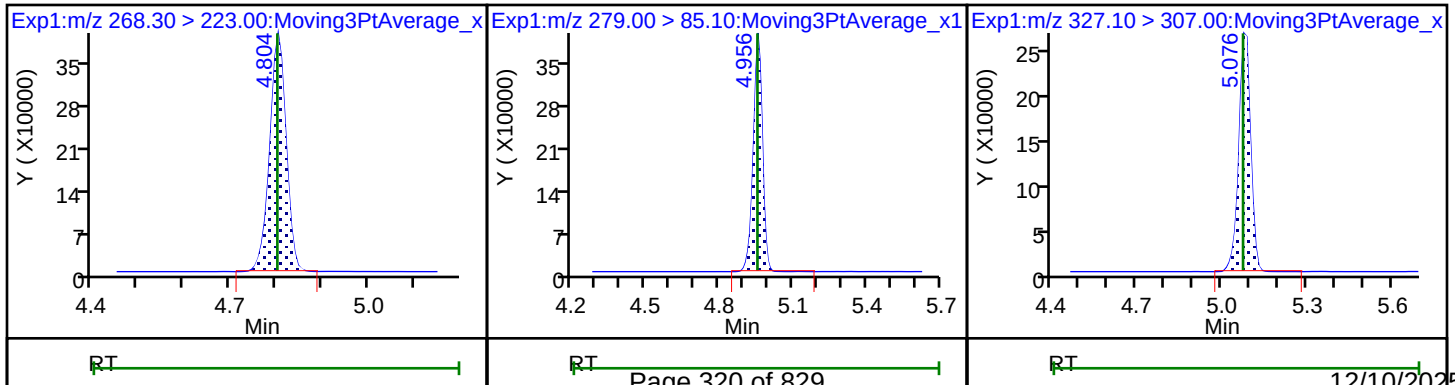
9 PFPA



D 8 13C5 PFPeA

10 PFMBa

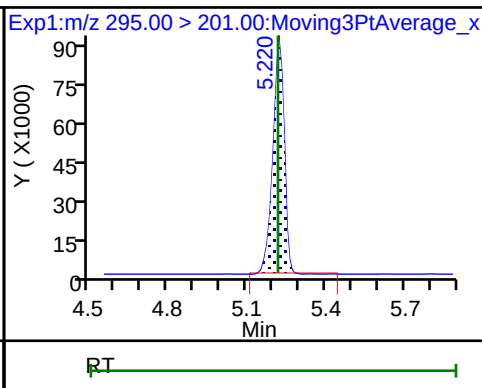
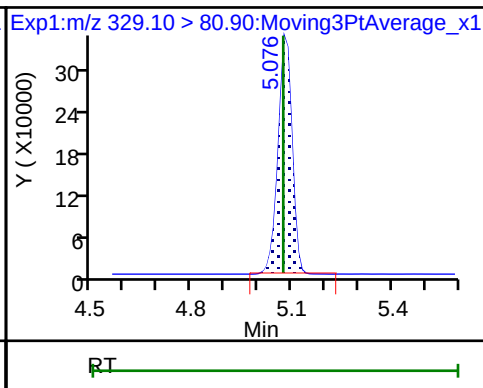
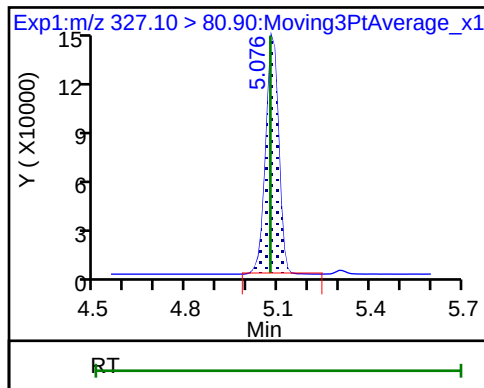
12 4:2FTS



12 4:2FTS

D 11 13C2-4:2FTS

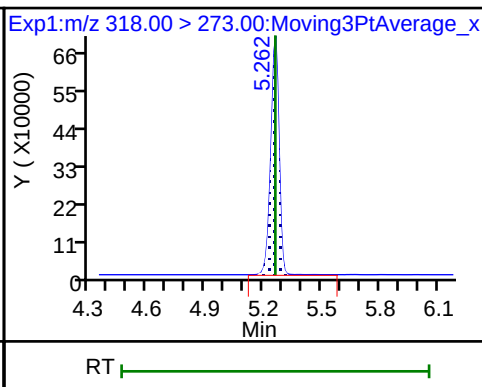
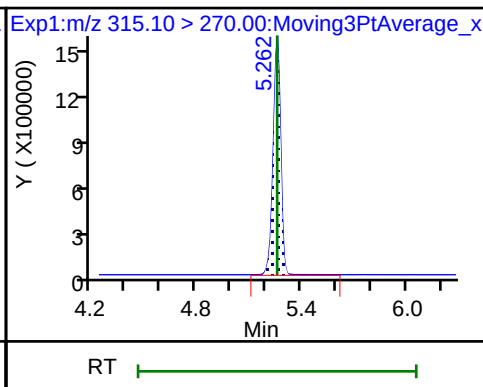
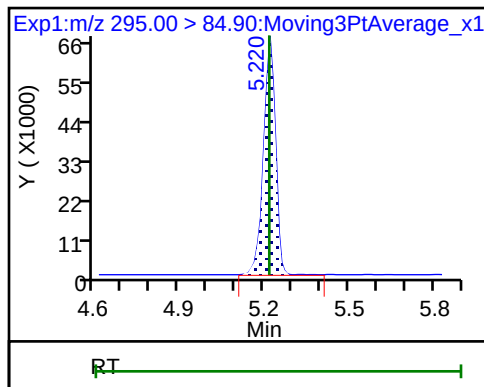
14 NFDHA



14 NFDHA

* 16 13C2 PFHxA

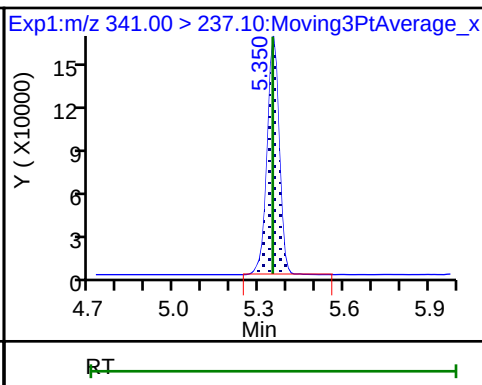
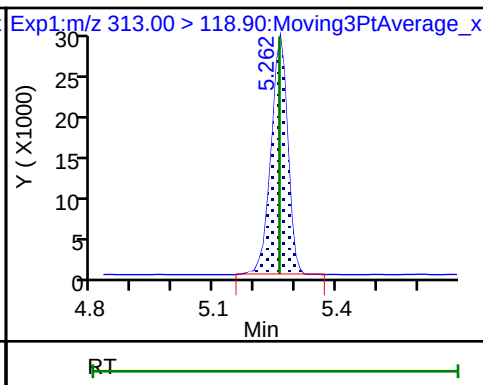
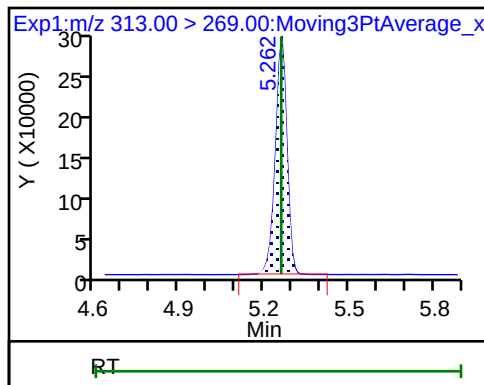
D 15 13C5 PFHxA



17 PFHxA

17 PFHxA

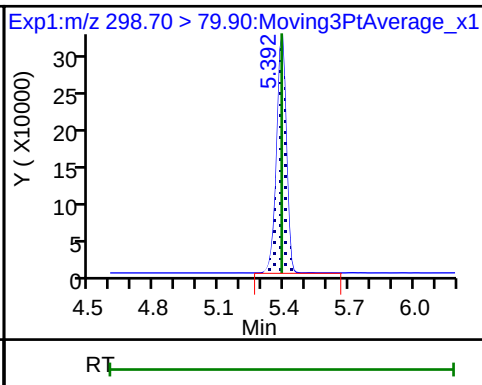
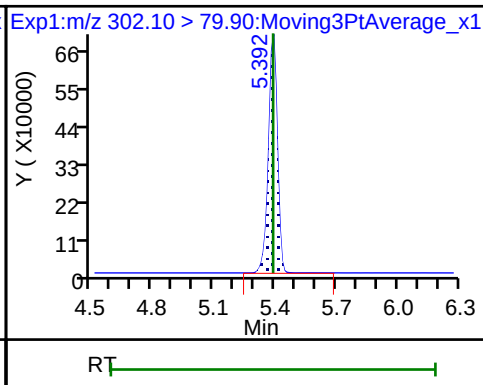
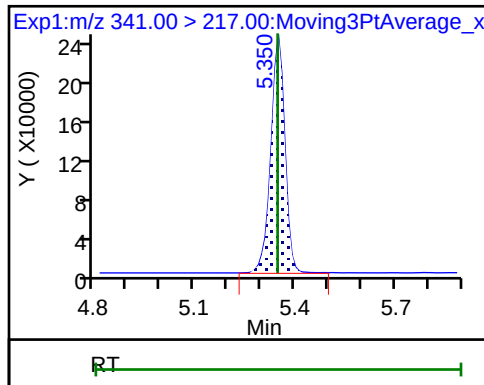
18 5:3 FTCA



18 5:3 FTCA

D 19 13C3 PFBS

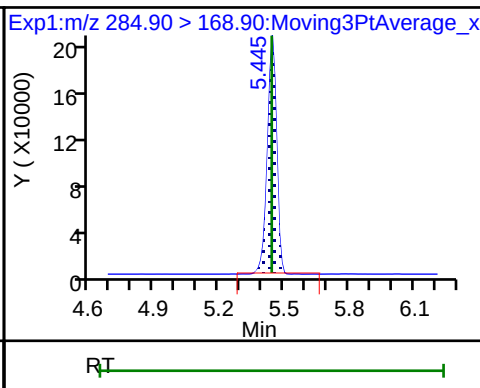
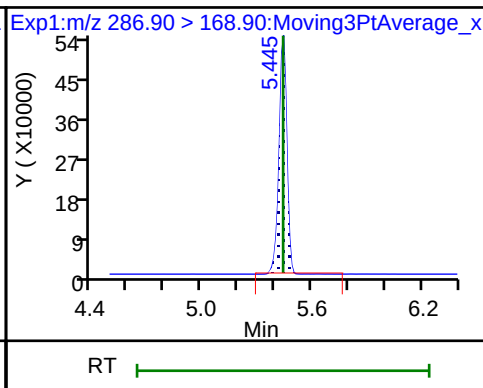
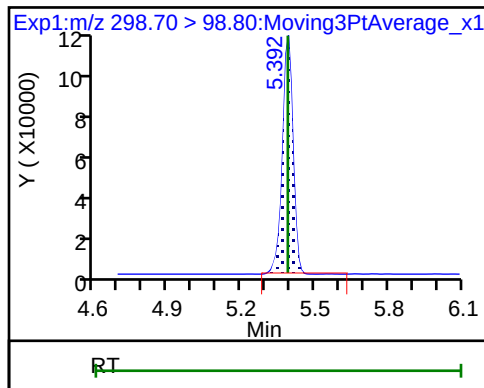
20 PFBS



20 PFBS

D 22 13C3 HFPO-DA

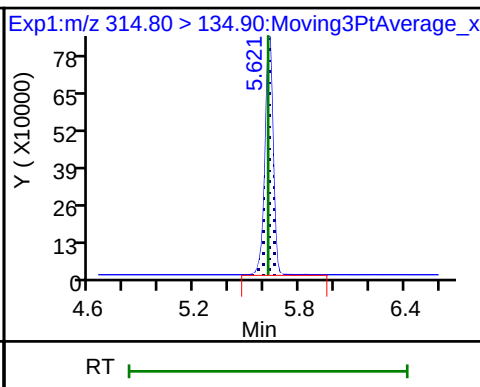
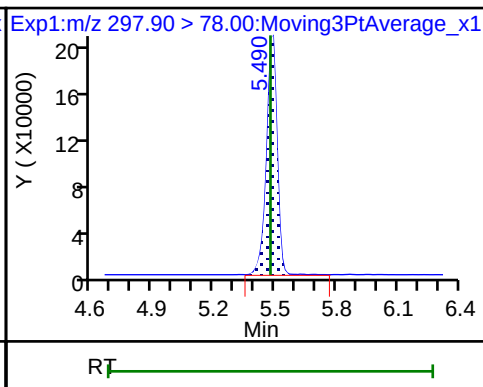
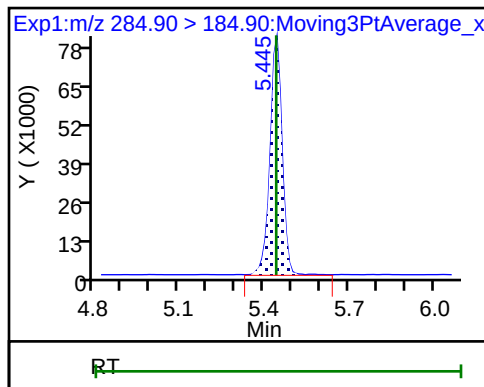
23 HFPO-DA



23 HFPO-DA

21 FBSA

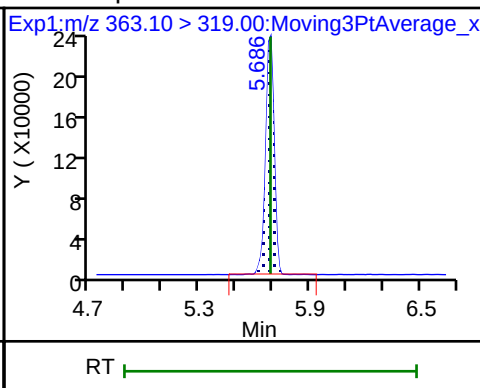
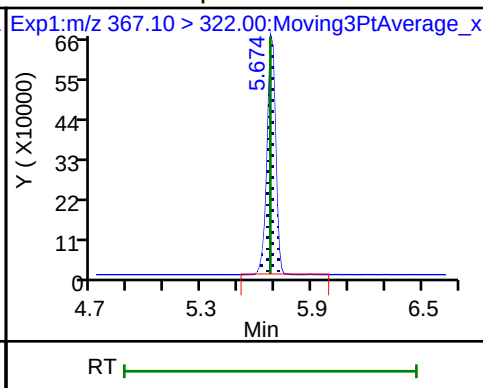
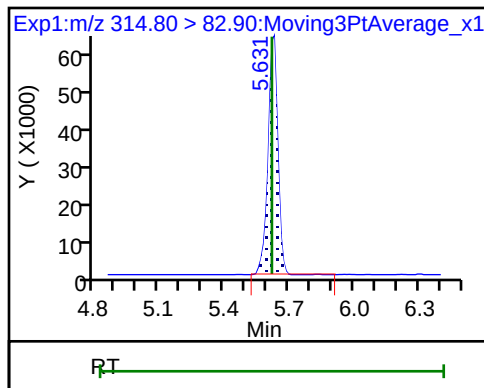
26 PFEESA



26 PFEESA

D 28 13C4 PFHpA

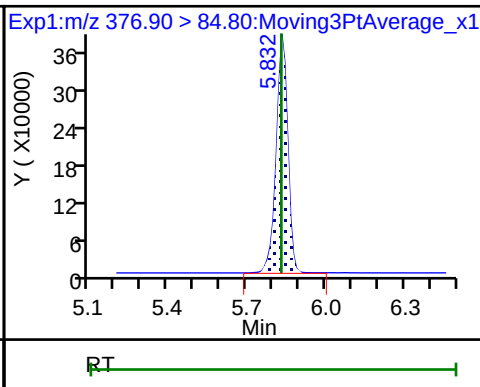
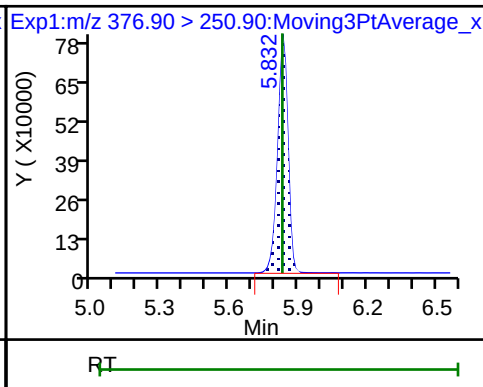
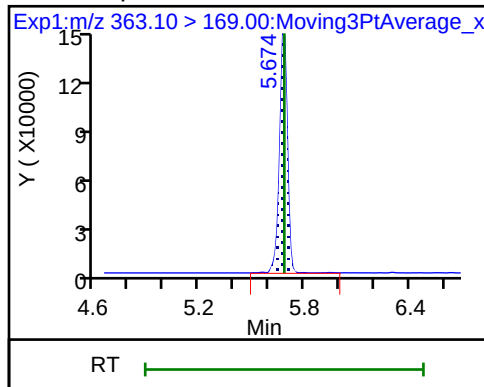
27 PFHpA

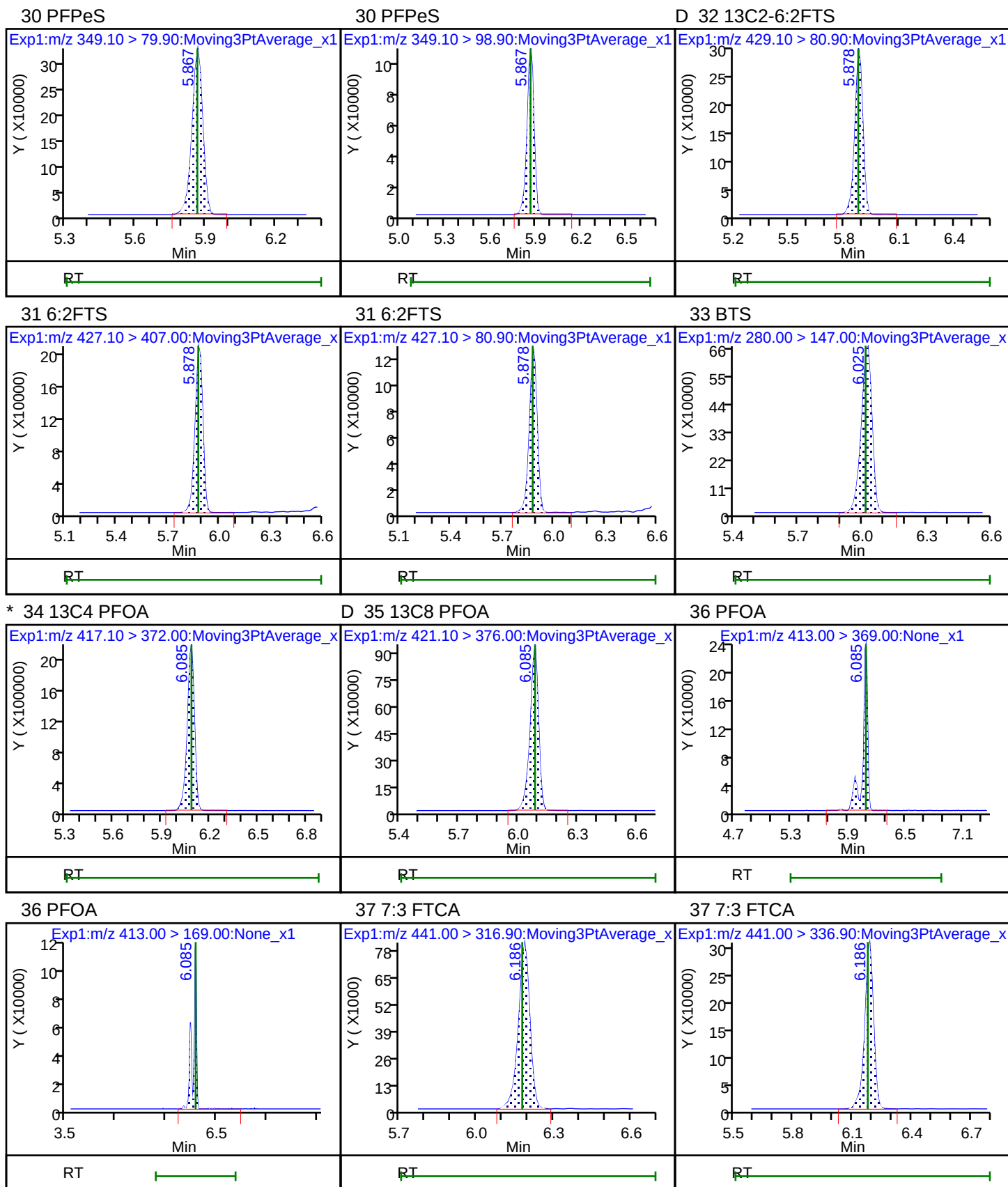


27 PFHpA

29 ADONA

29 ADONA

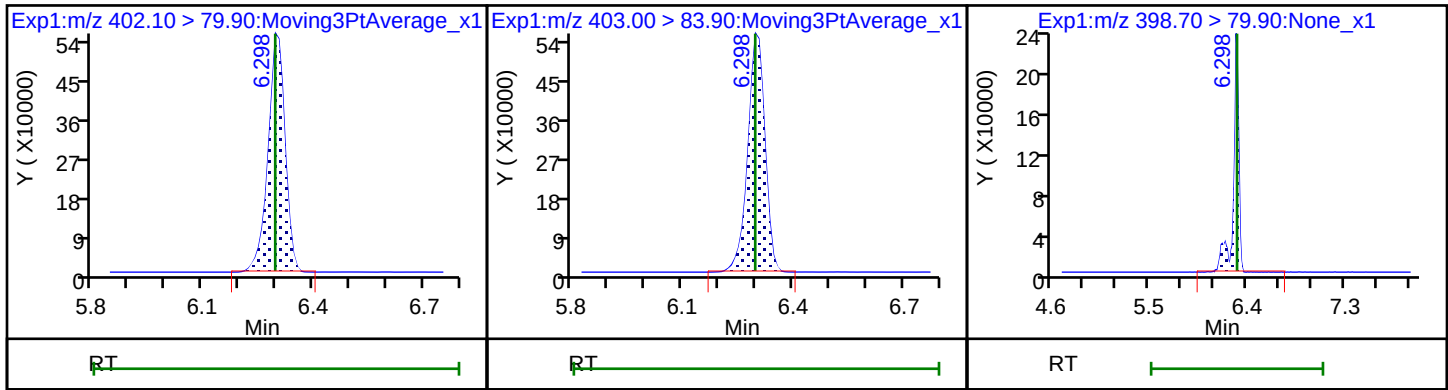




D 38 13C3 PFHxS

* 39 18O2 PFHxS

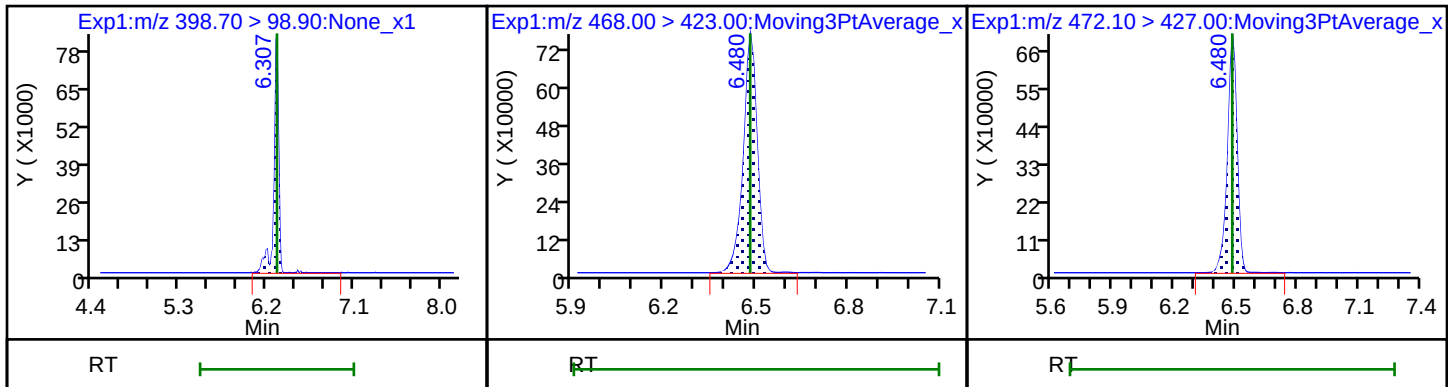
40 PFHxS



40 PFHxS

* 42 13C5 PFNA

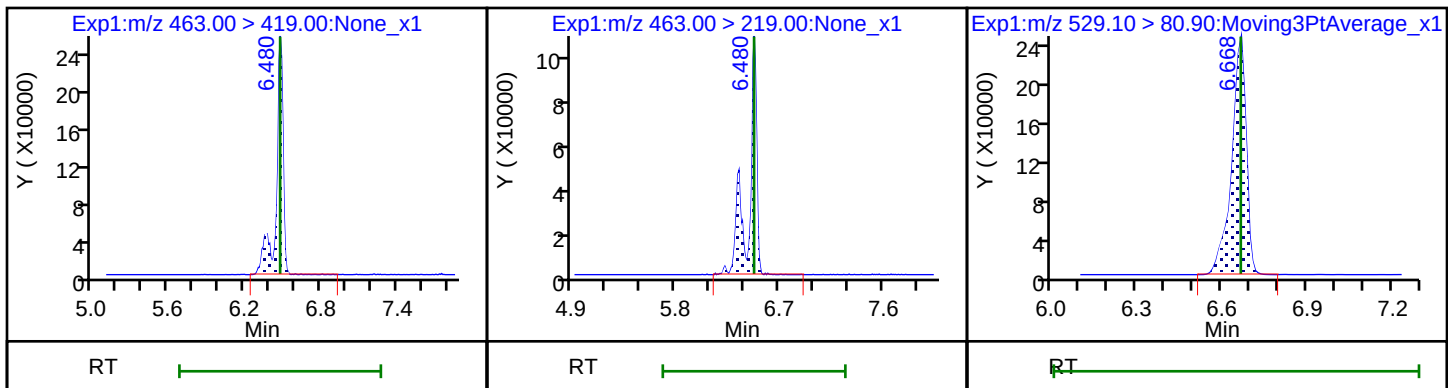
D 41 13C9 PFNA



43 PFNA

43 PFNA

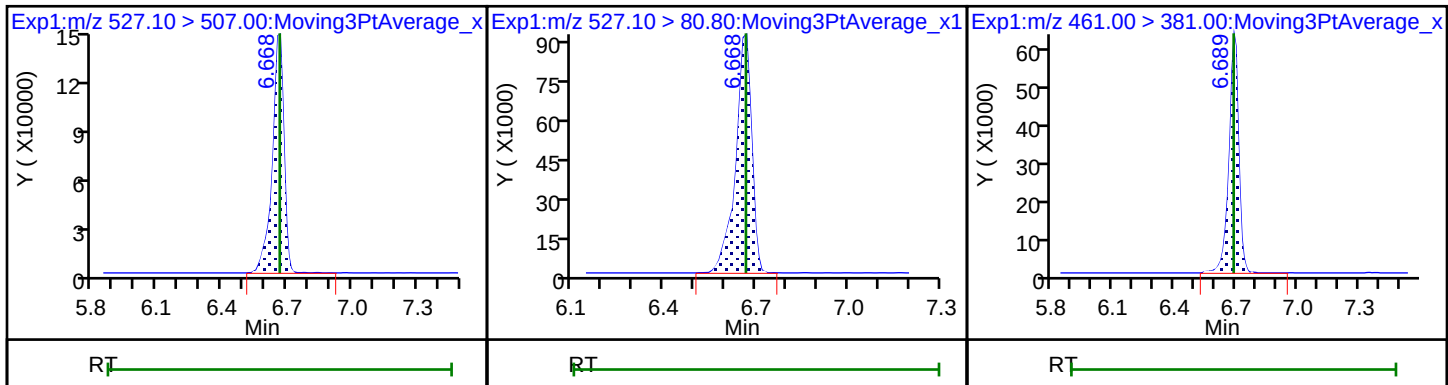
D 44 13C2-8:2FTS



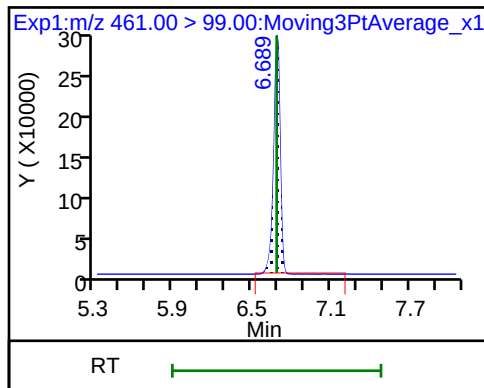
45 8:2FTS

45 8:2FTS

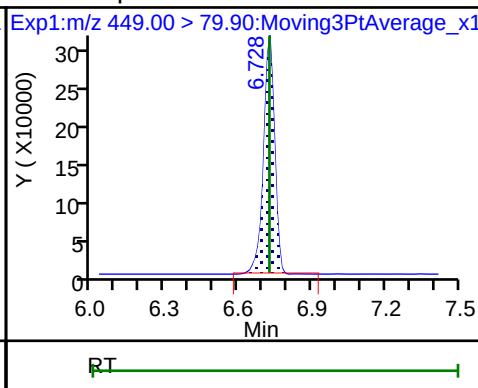
46 PFECHS



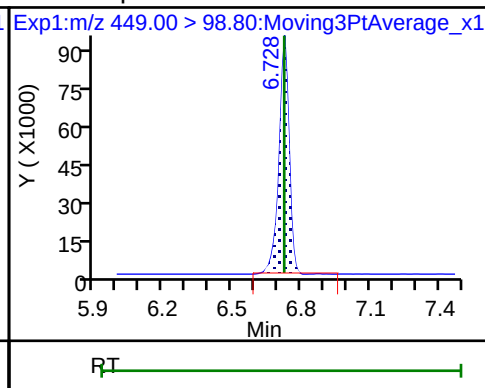
46 PFECHS



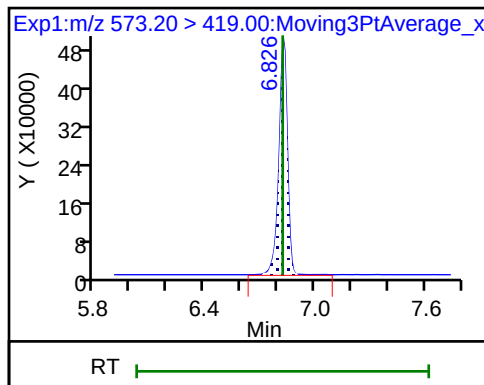
47 PFHpS



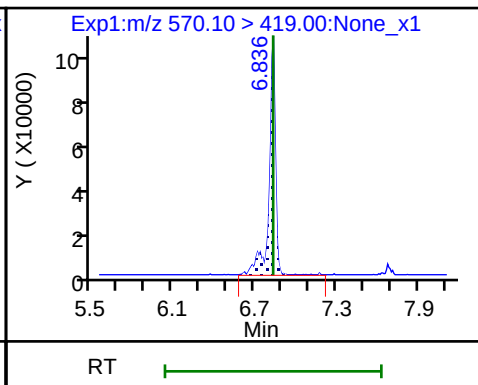
47 PFHpS



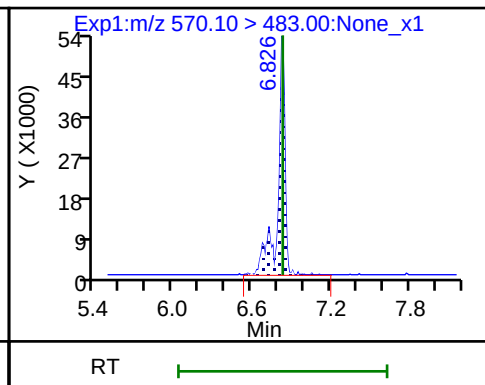
D 49 d3-NMeFOSAA



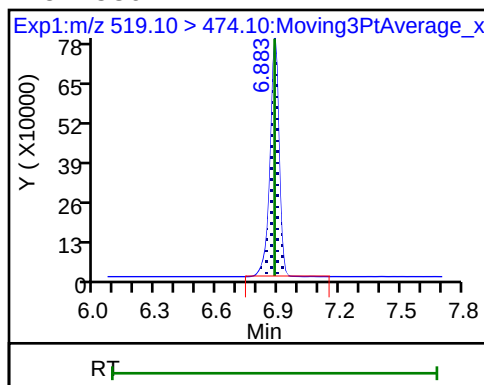
50 NMeFOSAA



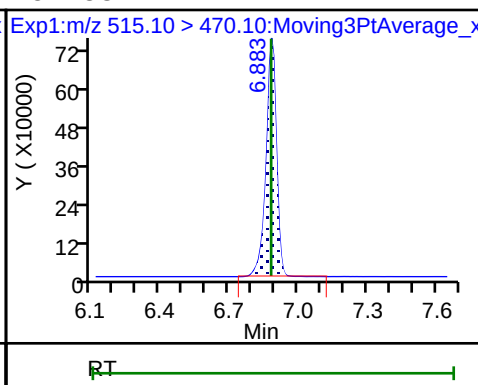
50 NMeFOSAA



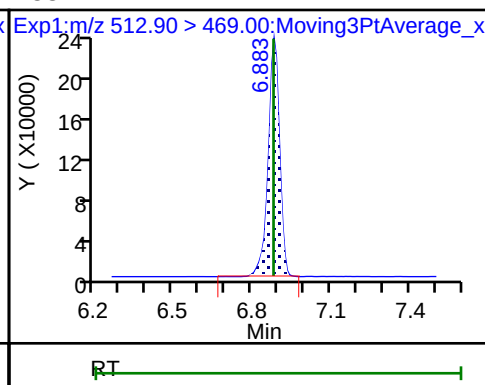
D 52 13C6 PFDA



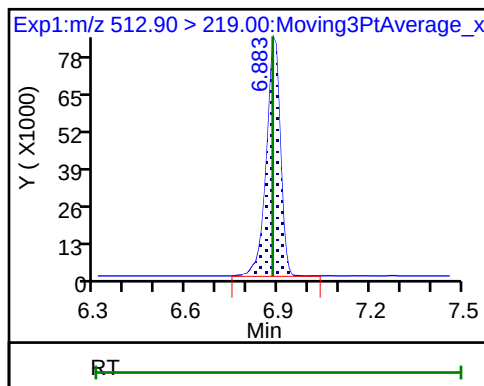
* 51 13C2 PFDA



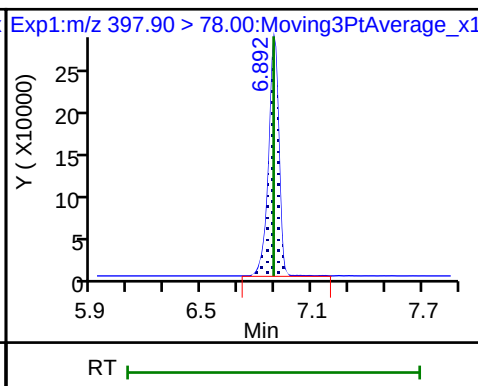
53 PFDA



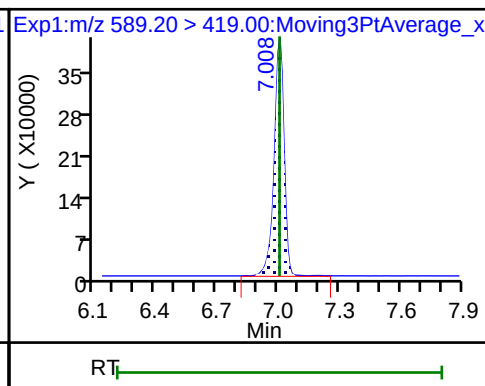
53 PFDA

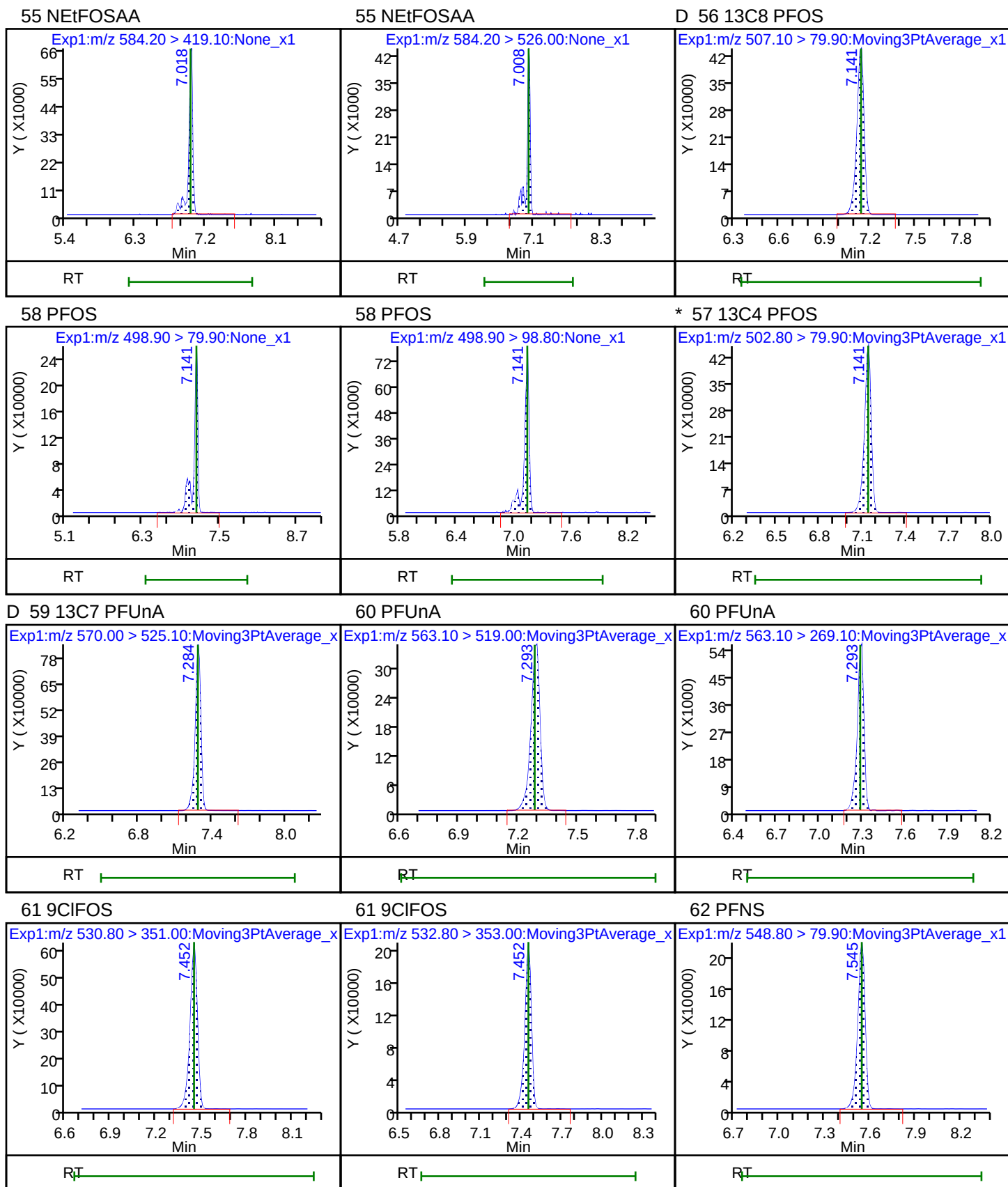


48 FHxSA

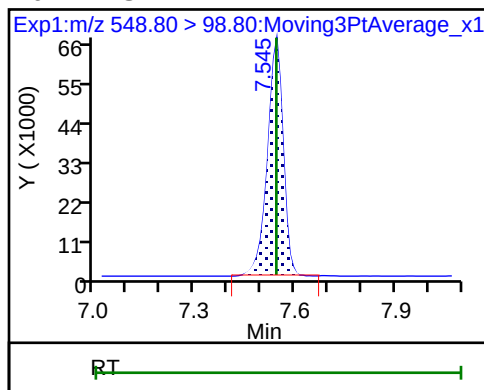


D 54 d5-NEtFOSAA

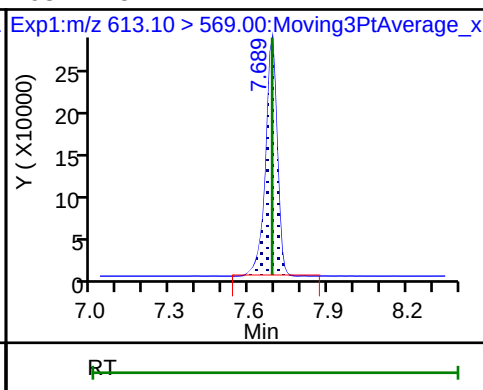




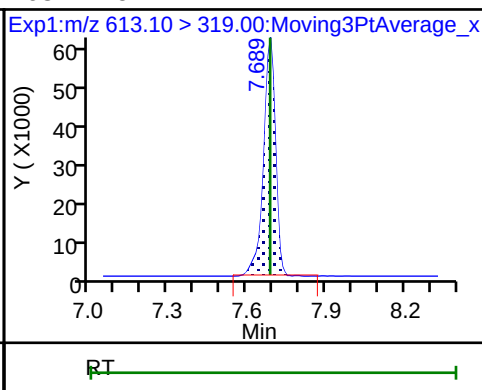
62 PFNS



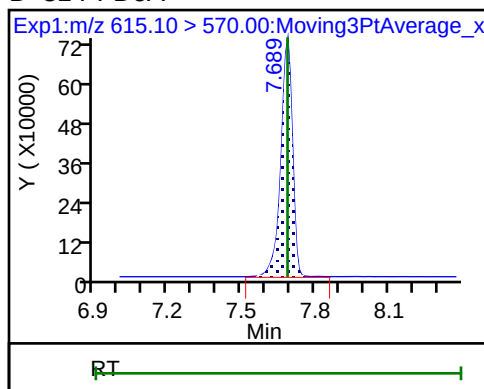
63 PFDaA



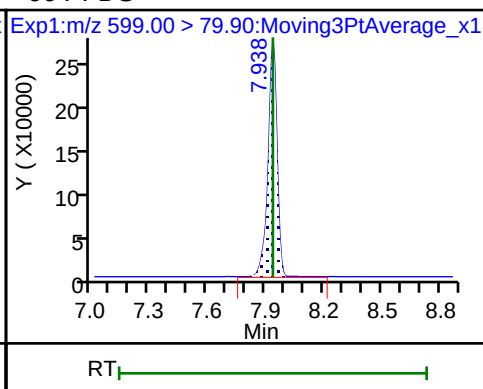
63 PFDaA



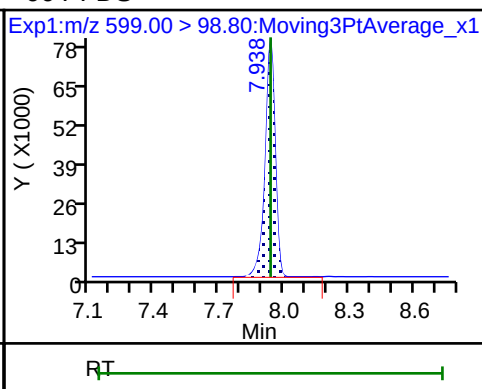
D 81 PFDaA



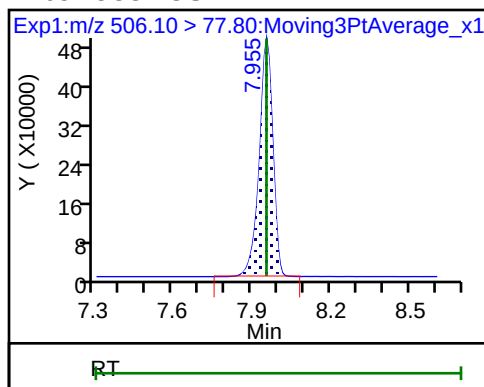
66 PFDS



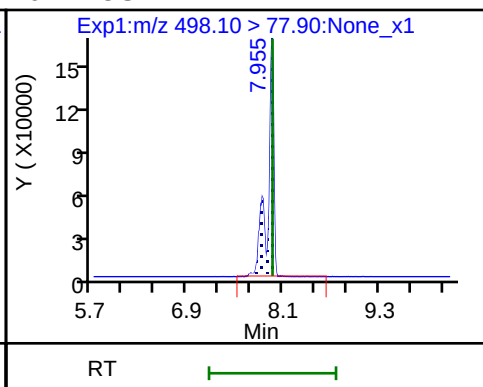
66 PFDS



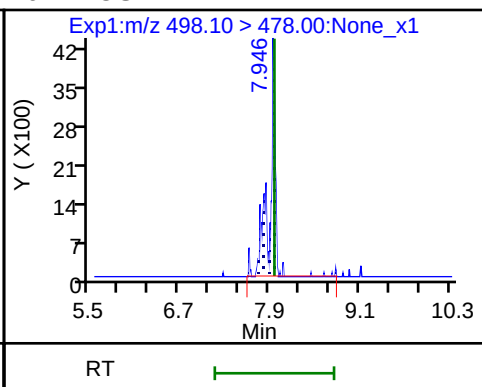
D 65 13C8 FOSA



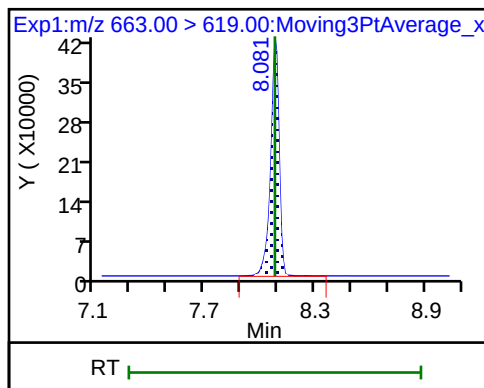
64 PFOSA



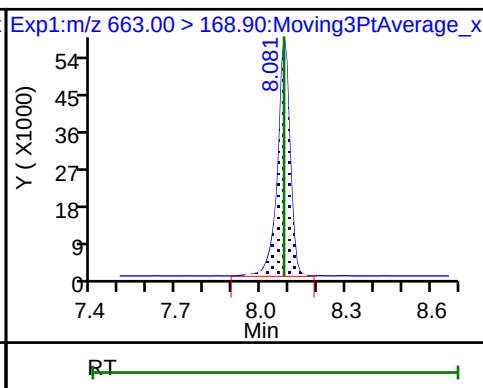
64 PFOSA



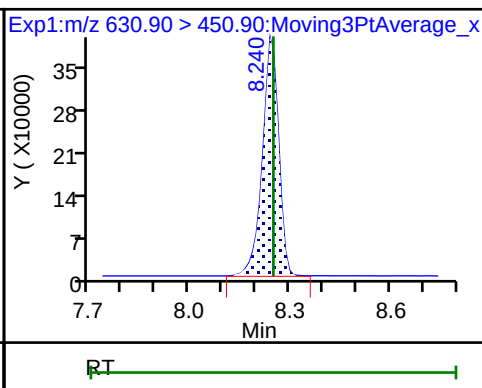
67 PFTTrDA

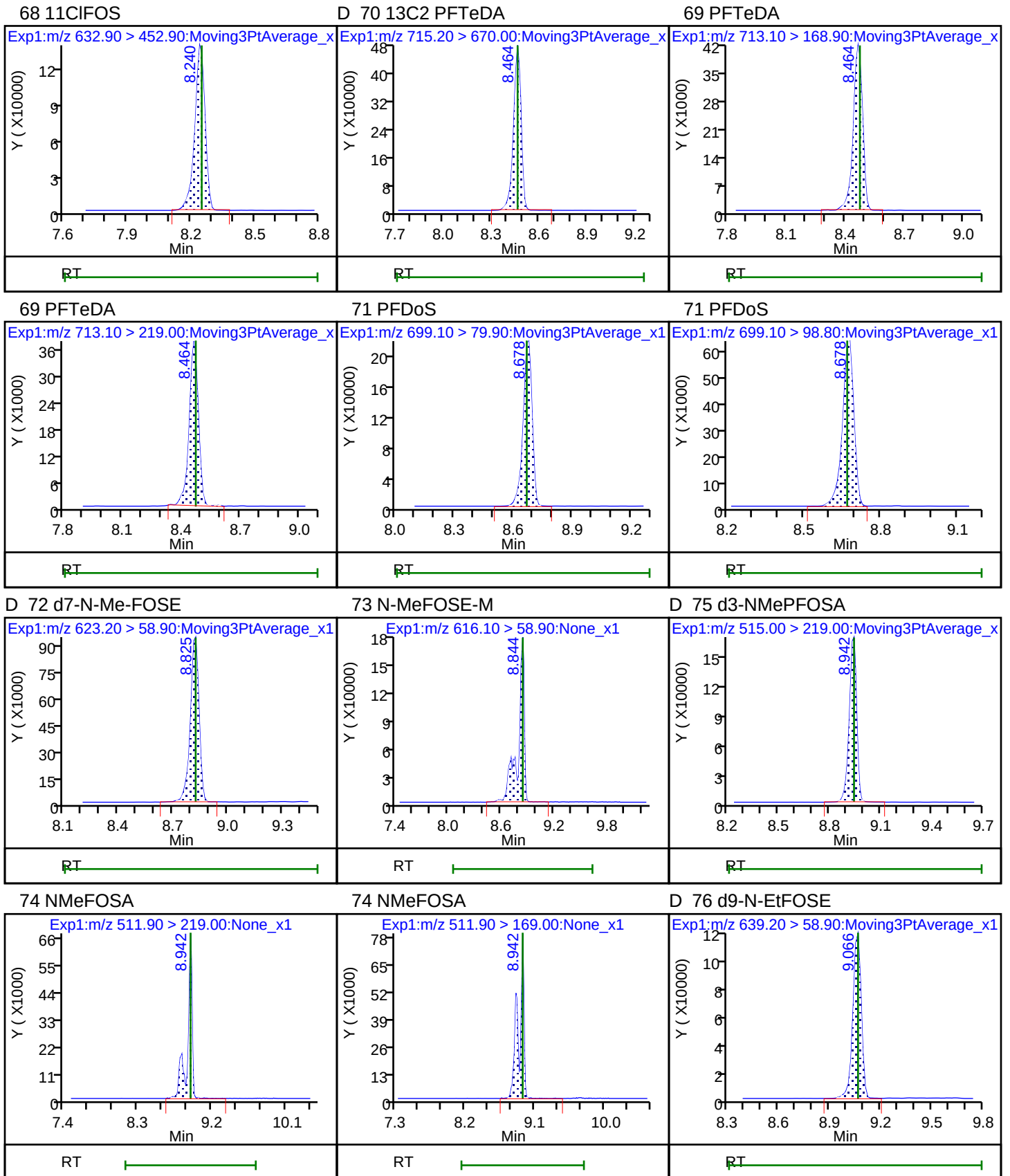


67 PFTTrDA

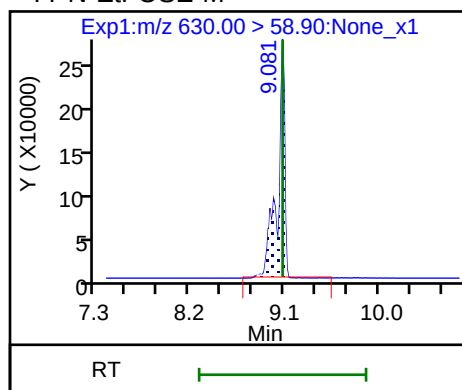


68 11CIFOS

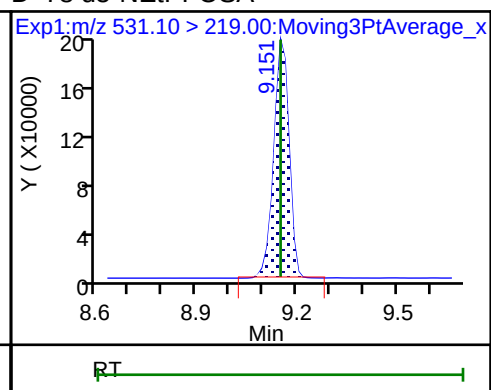




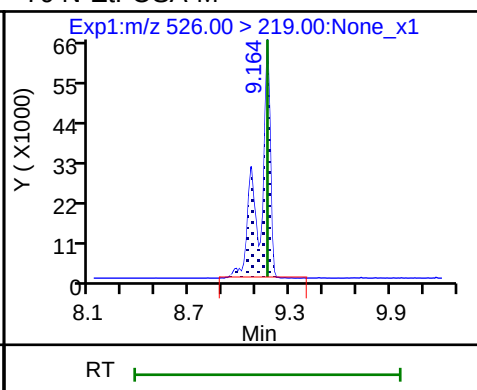
77 N-EtFOSE-M



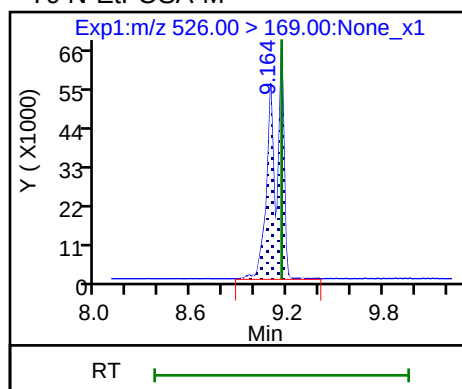
D 78 d5-NEtPFOSA



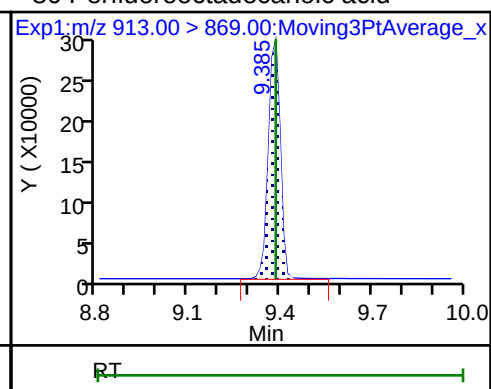
79 N-EtFOSA-M



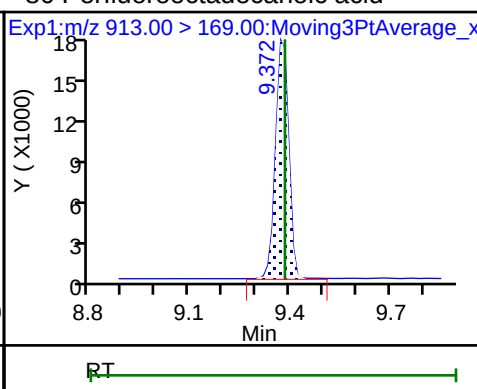
79 N-EtFOSA-M



80 Perfluorooctadecanoic acid



80 Perfluorooctadecanoic acid



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\25DEC03CAL-05.d
 Lims ID: ICISAV CAL 5
 Client ID:
 Sample Type: ICISAV Calib Level: 5
 Inject. Date: 03-Dec-2025 16:52:41 ALS Bottle#: 6 Worklist Smp#: 5
 Injection Vol: 7.0 ul Dil. Factor: 1.0000
 Sample Info: ICISAV CAL 5
 Misc. Info.: Plate: 1 Rack: 1 410-0168744-005
 Operator ID: ETUS023_USR_INS00009 Instrument ID: 30577
 Sublist: chrom-30577-1633-125*sub7
 Method: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\30577-1633-125.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 03-Dec-2025 20:30:04 Calib Date: 03-Dec-2025 17:33:28
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\25DEC03CAL-08.d

Column 1 : Det: EXP1
 Process Host: CTX1687

First Level Reviewer: XBL5 Date: 03-Dec-2025 18:49:45

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	1.947	1.947	0.0	0.473	1136244	2.03		102	2122	
2 Perfluoropropionic acid										
163.00 > 119.00	1.947	1.947	0.0	1.000	6687608	12.3		98.5	28257	
3 PFBA										
212.80 > 168.90	4.112	4.112	0.0	1.000	3895836	4.92		98.4	27170	
D 4 13C4-PFBA										
216.80 > 171.90	4.112	4.112	0.0	0.998	1707556	2.01		101	6286	
* 5 13C3PFBA										
216.00 > 172.00	4.118	4.118	0.0		1616470	2.00			3512	
6 PFMPA										
229.00 > 84.90	4.466	4.466	0.0	0.930	2007687	2.52		101	3098	
7 3:3 FTCA										
241.00 > 177.00	4.491	4.491	0.0	0.935	179520	4.89	Target=1.07	97.8	1825	
241.00 > 117.00	4.491	4.491	0.0	0.935	161286		1.11(0.54-1.61)	97.8	892	
9 PFPA										
263.00 > 219.00	4.802	4.802	0.0	1.000	2559761	2.52		101	1599	
D 8 13C5 PFPeA										
268.30 > 223.00	4.802	4.802	0.0	0.913	1003788	2.02		101	3791	
10 PFMBA										
279.00 > 85.10	4.954	4.954	0.0	1.032	2579751	2.48		99.3	4837	
12 4:2FTS										
327.10 > 307.00	5.074	5.074	0.0	1.000	1796866	4.68	Target=1.69	99.8	9847	
327.10 > 80.90	5.074	5.074	0.0	1.000	1056186		1.70(0.85-2.54)	99.8	1371	
D 11 13C2-4:2FTS										
329.10 > 80.90	5.074	5.074	0.0	0.806	973763	4.64		98.9	4697	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.218	5.218	0.0	0.992	750553	2.48	Target=1.50	99.1	3104	
295.00 > 84.90	5.218	5.218	0.0	0.992	480370		1.56(0.75-2.25)	99.1	1701	
* 16 13C2 PFHxA										
315.10 > 270.00	5.260	5.260	0.0		4602716	5.00			8149	
D 15 13C5 PFHxA										
318.00 > 273.00	5.260	5.260	0.0	1.000	2066820	1.99		99.5	5177	
17 PFHxA										
313.00 > 269.00	5.260	5.260	0.0	1.000	2145523	2.50	Target=10.04	100	4635	
313.00 > 118.90	5.260	5.260	0.0	1.000	207408		10.34(5.02-15.06)	100	1627	
18 5:3 FTCA										
341.00 > 237.10	5.348	5.348	0.0	1.017	1320417	12.5	Target=0.69	100	2091	
341.00 > 217.00	5.348	5.348	0.0	1.017	1910710		0.69(0.35-1.04)	100	1660	
D 19 13C3 PFBS										
302.10 > 79.90	5.389	5.389	0.0	0.856	2173823	1.92		103	9861	
20 PFBS										
298.70 > 79.90	5.389	5.389	0.0	1.000	2643605	2.19	Target=2.81	98.8	8320	
298.70 > 98.80	5.389	5.389	0.0	1.000	899642		2.94(1.40-4.21)	98.8	3607	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.442	5.442	0.0	1.035	1585076	2.00		100	4874	
23 HFPO-DA										
284.90 > 168.90	5.442	5.442	0.0	1.000	1493954	1.82	Target=2.38	97.1	3786	
284.90 > 184.90	5.442	5.442	0.0	1.000	641867		2.33(1.19-3.57)	97.1	3683	
21 FBSA										
297.90 > 78.00	5.476	5.476	0.0	1.016	1951432	2.36		94.5	3176	
26 PFEESA										
314.80 > 134.90	5.620	5.620	0.0	1.068	6771578	2.21	Target=13.39	99.0	12042	
314.80 > 82.90	5.620	5.620	0.0	1.068	517581		13.08(6.69-20.08)	99.0	3164	
D 28 13C4 PFHpA										
367.10 > 322.00	5.672	5.672	0.0	1.078	2261180	2.07		104	6211	
27 PFHpA										
363.10 > 319.00	5.684	5.684	0.0	1.002	2112288	2.51	Target=1.71	100	4627	
363.10 > 169.00	5.672	5.684	-0.012	1.000	1185120		1.78(0.86-2.57)	100	4551	
29 ADONA										
376.90 > 250.90	5.830	5.830	0.0	1.071	6423230	2.43	Target=2.10	103	5583	
376.90 > 84.80	5.830	5.830	0.0	1.071	3095561		2.07(1.05-3.15)	103	4386	
30 PFPeS										
349.10 > 79.90	5.865	5.865	0.0	0.931	2650136	2.31	Target=3.08	98.2	8787	
349.10 > 98.90	5.865	5.865	0.0	0.931	850769		3.11(1.54-4.62)	98.2	4277	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.876	5.876	0.0	0.933	856804	4.70		98.7	2520	
31 6:2FTS										
427.10 > 407.00	5.876	5.876	0.0	1.000	1648603	5.04	Target=1.60	106	442	
427.10 > 80.90	5.876	5.876	0.0	1.000	974159		1.69(0.80-2.40)	106	440	
33 BTS										
280.00 > 147.00	6.014	6.014	0.0	0.955	6149822	2.32		94.6	8000	
* 34 13C4 PFOA										
417.10 > 372.00	6.084	6.084	0.0		7143569	5.00			4409	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 35 13C8 PFOA										
421.10 > 376.00	6.084	6.084	0.0	1.000	2955178	2.01		101	5405	
36 PFOA										
413.00 > 369.00	6.084	6.084	0.0	1.000	2021638	2.38	Target=1.64	95.1	2730	
413.00 > 169.00	6.084	6.084	0.0	1.000	1270907		1.59(0.82-2.46)	95.1	1674	
37 7:3 FTCA										
441.00 > 316.90	6.176	6.176	0.0	1.174	738808	14.0	Target=0.27	112	1728	
441.00 > 336.90	6.185	6.176	0.009	1.176	2473876		0.30(0.14-0.41)	112	2377	
D 38 13C3 PFHxS										
402.10 > 79.90	6.297	6.297	0.0	1.000	1851022	2.00		106	4619	
* 39 18O2 PFHxS										
403.00 > 83.90	6.297	6.297	0.0		1747866	1.90			5037	
40 PFHxS										
398.70 > 79.90	6.306	6.306	0.0	1.001	2123771	2.17	Target=3.19	95.0	4279	
398.70 > 98.90	6.297	6.306	-0.009	1.000	652615		3.25(1.60-4.78)	95.0	1015	
43 PFNA										
463.00 > 419.00	6.479	6.479	0.0	1.000	2447933	2.56	Target=1.91	103	3395	
463.00 > 219.00	6.479	6.479	0.0	1.000	1228673		1.99(0.96-2.87)	103	1556	
* 42 13C5 PFNA										
468.00 > 423.00	6.479	6.479	0.0		2404489	2.00			6087	
D 41 13C9 PFNA										
472.10 > 427.00	6.479	6.479	0.0	1.000	2350347	2.00		99.8	4061	
D 44 13C2-8:2FTS										
529.10 > 80.90	6.666	6.666	0.0	1.059	790005	4.63		96.5	3312	
45 8:2FTS										
527.10 > 507.00	6.666	6.666	0.0	1.000	1469547	5.21	Target=1.66	109	4084	
527.10 > 80.80	6.666	6.666	0.0	1.000	838962		1.75(0.83-2.49)	109	3209	
46 PFECHS										
461.00 > 381.00	6.686	6.686	0.0	1.062	556470	2.36	Target=0.20	102	2501	
461.00 > 99.00	6.686	6.686	0.0	1.062	2699860		0.21(0.10-0.30)	102	8453	
47 PFHpS										
449.00 > 79.90	6.725	6.725	0.0	0.942	2603003	2.45	Target=3.28	103	5685	
449.00 > 98.80	6.725	6.725	0.0	0.942	776988		3.35(1.64-4.92)	103	4454	
D 49 d3-NMeFOSAA										
573.20 > 419.00	6.823	6.823	0.0	0.956	1694777	5.46		109	5184	
50 NMeFOSAA										
570.10 > 419.00	6.833	6.833	0.0	1.001	878509	2.53	Target=1.60	101	420	
570.10 > 483.00	6.833	6.833	0.0	1.001	511387		1.72(0.80-2.40)	101	807	
* 51 13C2 PFDA										
515.10 > 470.10	6.881	6.881	0.0		2489562	2.00			5570	
53 PFDA										
512.90 > 469.00	6.881	6.881	0.0	1.000	1866484	2.46	Target=2.79	98.4	5874	
512.90 > 219.00	6.881	6.881	0.0	1.000	669207		2.79(1.39-4.18)	98.4	3134	
D 52 13C6 PFDA										
519.10 > 474.10	6.881	6.881	0.0	1.000	2519580	1.98		99.2	10064	
48 FHxSA										
397.90 > 78.00	6.890	6.890	0.0	1.094	2851474	2.35		93.9	3373	

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	7.005	7.005	0.0	0.981	1540603	5.61		112	3841	
55 NEtFOSAA										
584.20 > 419.10	7.005	7.005	0.0	1.000	623675	2.41	Target=1.35	96.5	1495	
584.20 > 526.00	7.015	7.005	0.010	1.001	458860		1.36(0.67-2.02)	96.5	732	
D 56 13C8 PFOS										
507.10 > 79.90	7.139	7.139	0.0	1.000	1515763	2.03		106	1988	
58 PFOS										
498.90 > 79.90	7.139	7.139	0.0	1.000	2610245	2.20	Target=4.17	94.4	4414	
498.90 > 98.80	7.139	7.139	0.0	1.000	631723		4.13(2.08-6.25)	94.4	1323	
* 57 13C4 PFOS										
502.80 > 79.90	7.139	7.139	0.0		1424544	1.92			5873	
D 59 13C7 PFUnA										
570.00 > 525.10	7.283	7.283	0.0	1.058	2649231	1.91		95.5	6230	
60 PFUnA										
563.10 > 519.00	7.283	7.283	0.0	1.000	2723541	2.59	Target=5.71	104	7374	
563.10 > 269.10	7.283	7.283	0.0	1.000	437126		6.23(2.86-8.56)	104	1961	
61 9ClFOS										
530.80 > 351.00	7.451	7.451	0.0	1.044	5418655	2.31	Target=3.03	98.9	11461	
532.80 > 353.00	7.451	7.451	0.0	1.044	1801864		3.01(1.51-4.54)	98.9	4124	
62 PFNS										
548.80 > 79.90	7.544	7.544	0.0	1.057	1936889	2.41	Target=3.29	100	7194	
548.80 > 98.80	7.544	7.544	0.0	1.057	602899		3.21(1.65-4.94)	100	4897	
63 PFDoA										
613.10 > 569.00	7.687	7.687	0.0		2222046	2.36	Target=4.72	94.2	4219	
613.10 > 319.00	7.687	7.687	0.0		493071		4.51(2.36-7.08)	94.2	2811	
D 81 PFDoA										
615.10 > 570.00	7.687	7.687	0.0	1.117	2566487	2.02		101	6781	
66 PFDS										
599.00 > 79.90	7.937	7.937	0.0	1.112	2312568	2.45	Target=3.35	101	4250	
599.00 > 98.80	7.937	7.937	0.0	1.112	676946		3.42(1.67-5.02)	101	3488	
D 65 13C8 FOSA										
506.10 > 77.80	7.954	7.954	0.0	1.114	1835668	2.10		105	5699	
64 PFOSA										
498.10 > 77.90	7.963	7.963	0.0	1.001	2157156	2.46	Target=40.44	98.2	3323	
498.10 > 478.00	7.954	7.963	-0.009	1.000	49465		43.61(20.22-60.66)	98.2	118	
67 PFTrDA										
663.00 > 619.00	8.081	8.081	0.0	0.955	3334597	2.41	Target=7.60	96.6	9008	
663.00 > 168.90	8.081	8.081	0.0	0.955	438714		7.60(3.80-11.40)	96.6	1509	
68 11ClFOS										
630.90 > 450.90	8.250	8.250	0.0	1.156	3830873	2.46	Target=3.14	104	9636	
632.90 > 452.90	8.239	8.250	-0.011	1.154	1206199		3.18(1.57-4.71)	104	4678	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.464	8.464	0.0	1.230	1492608	1.89		94.4	3390	
69 PFTeDA										
713.10 > 168.90	8.474	8.474	0.0	1.001	355184	2.52	Target=1.10	101	2787	
713.10 > 219.00	8.464	8.474	-0.010	1.000	312780		1.14(0.55-1.65)	101	1805	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
71 PFDoS										
699.10 > 79.90	8.668	8.668	0.0	1.214	1890595	2.39	Target=3.69	98.5	4008	
699.10 > 98.80	8.678	8.668	0.010	1.216	521286		3.63(1.84-5.53)	98.5	5726	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.825	8.825	0.0	1.236	331624	5.22		104	587	
73 N-MeFOSE-M										
616.10 > 58.90	8.844	8.844	0.0	1.002	2248500	12.4		98.9	1925	
D 75 d3-NMePFOSA										
515.00 > 219.00	8.942	8.942	0.0	1.253	543708	2.16		108	2701	
74 NMeFOSA										
511.90 > 219.00	8.942	8.942	0.0	1.000	637898	2.36	Target=0.69	94.4	2186	
511.90 > 169.00	8.942	8.942	0.0	1.000	940242		0.68(0.34-1.03)	94.4	1274	
D 76 d9-N-EtFOSE										
639.20 > 58.90	9.066	9.066	0.0	1.270	400765	5.30		106	579	
77 N-EtFOSE-M										
630.00 > 58.90	9.080	9.080	0.0	1.002	3408963	12.7		101	9538	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.151	9.151	0.0	1.282	652197	2.15		107	2472	
79 N-EtFOSA-M										
526.00 > 219.00	9.164	9.164	0.0	1.001	724694	2.43	Target=0.85	97.1	2831	
526.00 > 169.00	9.164	9.164	0.0	1.001	864968		0.84(0.43-1.28)	97.1	2502	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.385	9.385	0.0	1.109	1946253	2.41	Target=16.54	96.3	14072	
913.00 > 169.00	9.372	9.385	-0.013	1.107	122839		15.84(8.27-24.81)	96.3	4998	

QC Flag Legend

Processing Flags

Reagents:

1633_125_CAL5_00036

Amount Added: 1.00

Units: mL

Data File: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\25DEC03CAL-05.d

Injection Date: 03-Dec-2025 16:52:41

Instrument ID: 30577

Lims ID: ICISAV CAL 5

Client ID:

Operator ID: ETUS023_USR_INS00009

ALS Bottle#: 6

Worklist Smp#: 5

Injection Vol: 7.0 ul

Dil. Factor: 1.0000

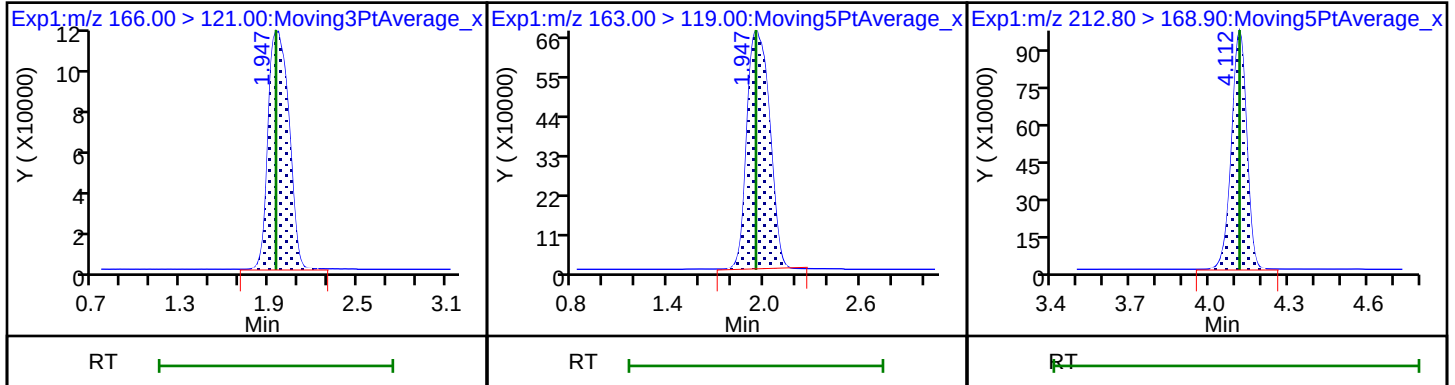
Method: 30577-1633-125

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid

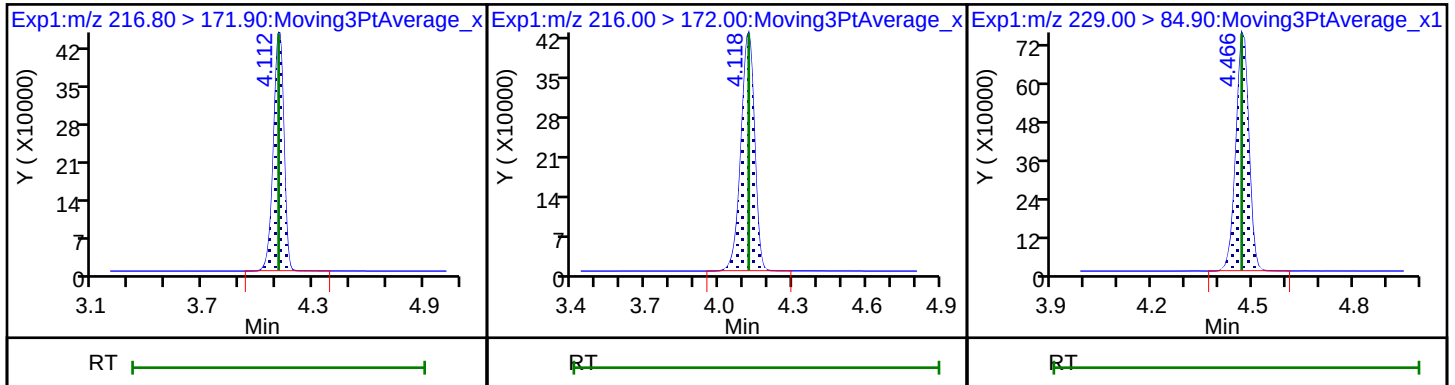
3 PFBA



D 4 13C4-PFBA

* 5 13C3PFBA

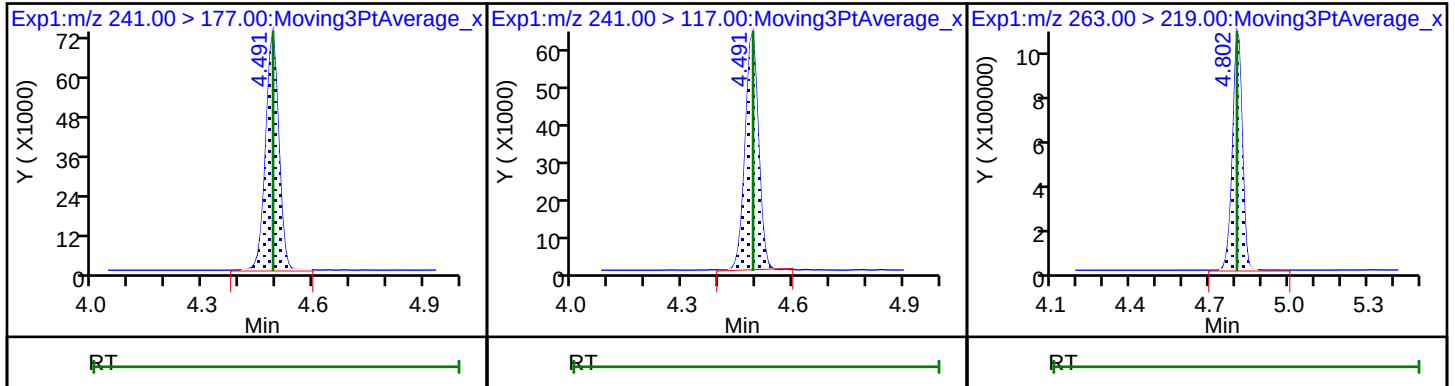
6 PFMPA



7 3:3 FTCA

7 3:3 FTCA

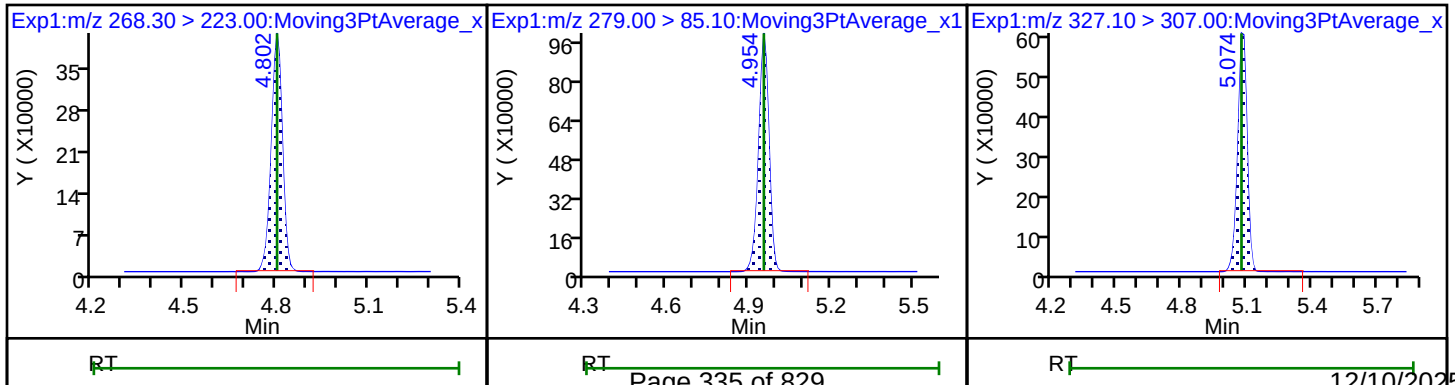
9 PFPA

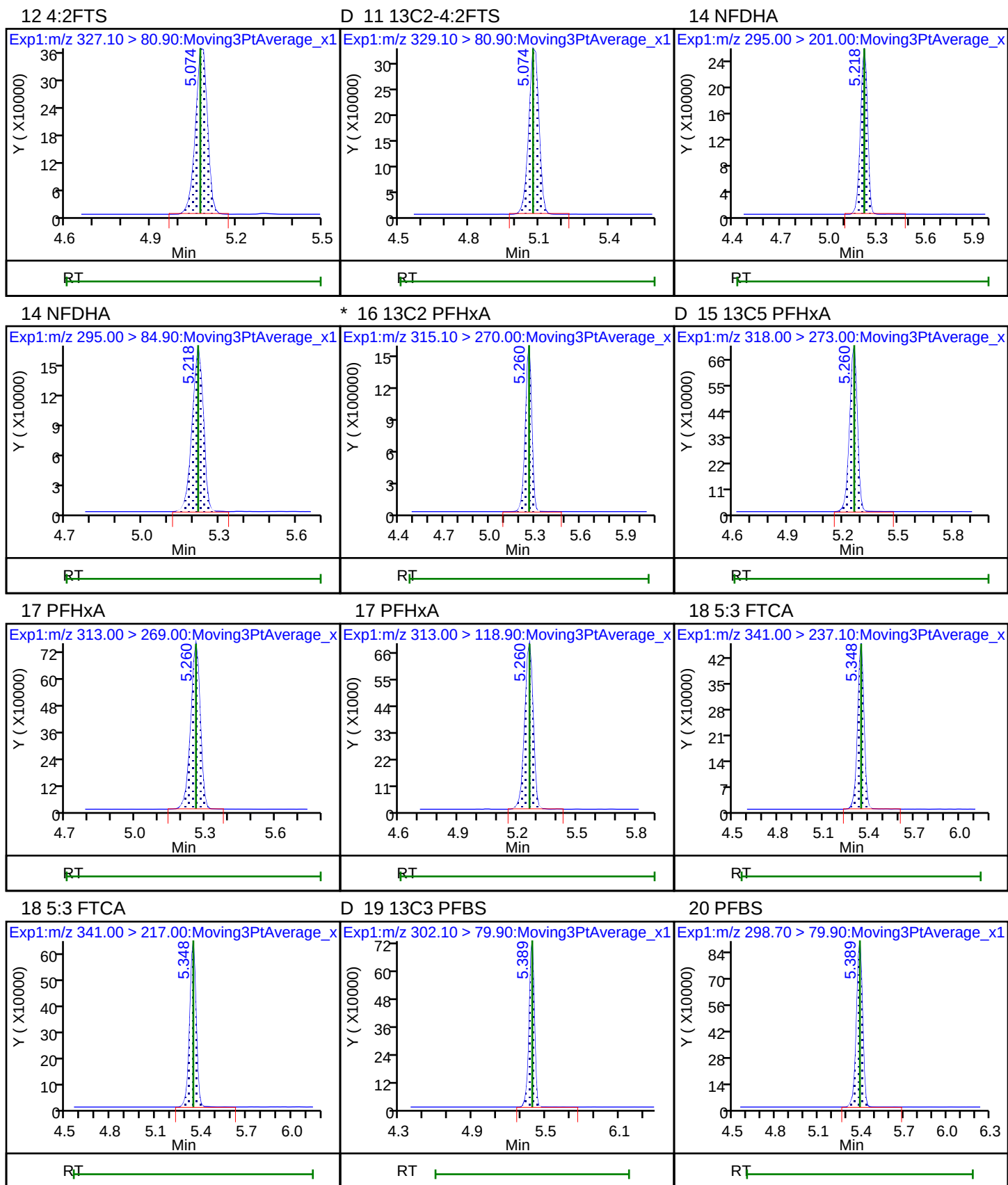


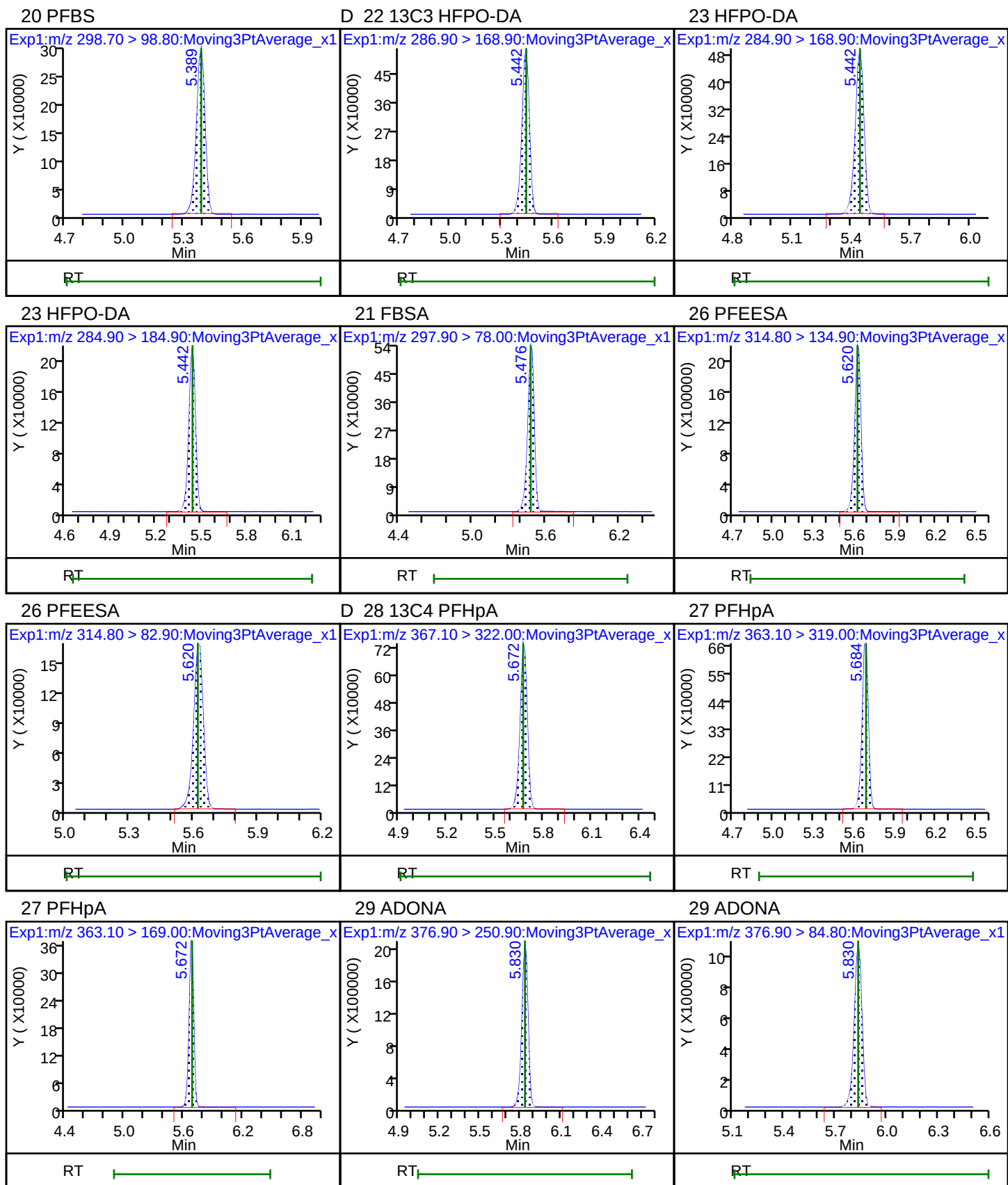
D 8 13C5 PFPeA

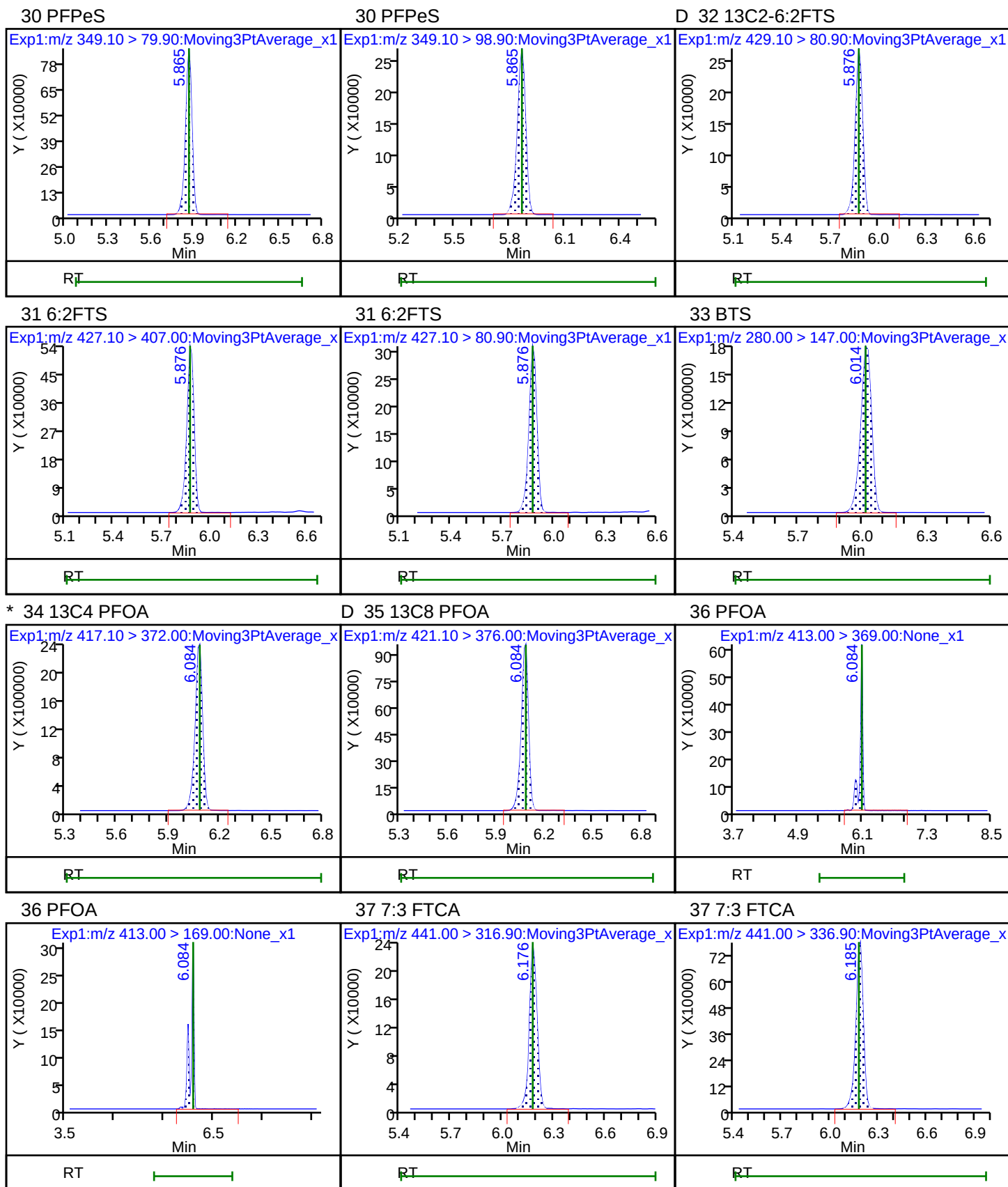
10 PFMBa

12 4:2FTS





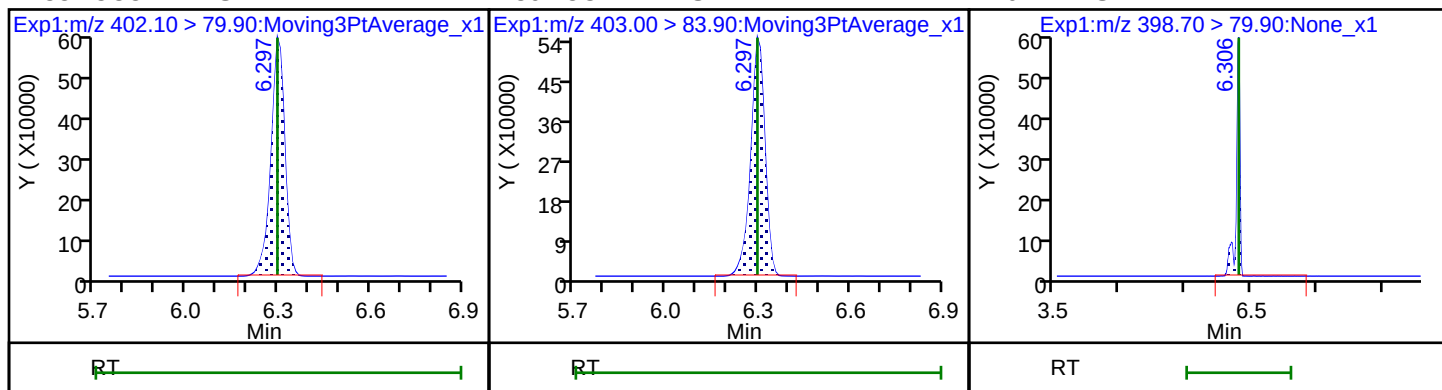




D 38 13C3 PFHxS

* 39 18O2 PFHxS

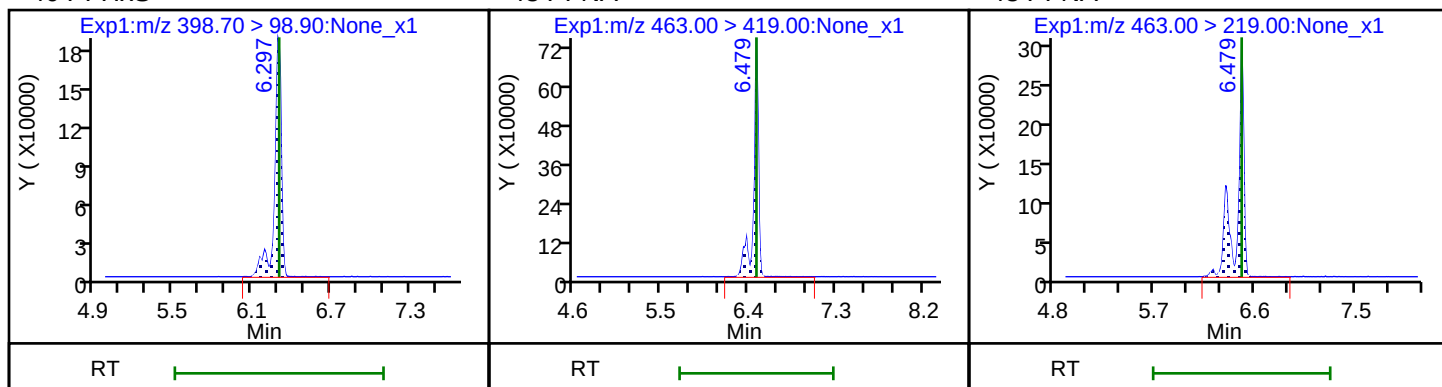
40 PFHxS



40 PFHxS

43 PFNA

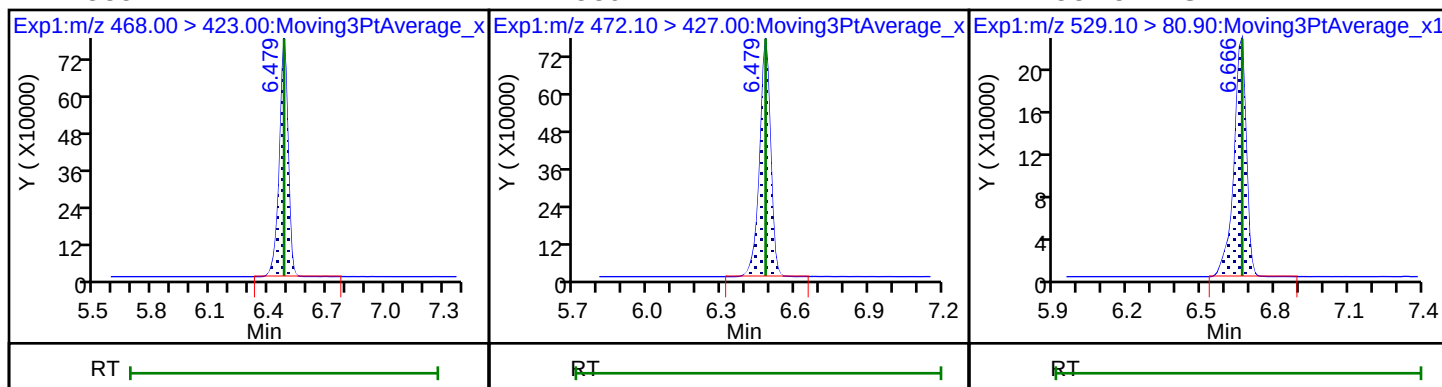
43 PFNA



* 42 13C5 PFNA

D 41 13C9 PFNA

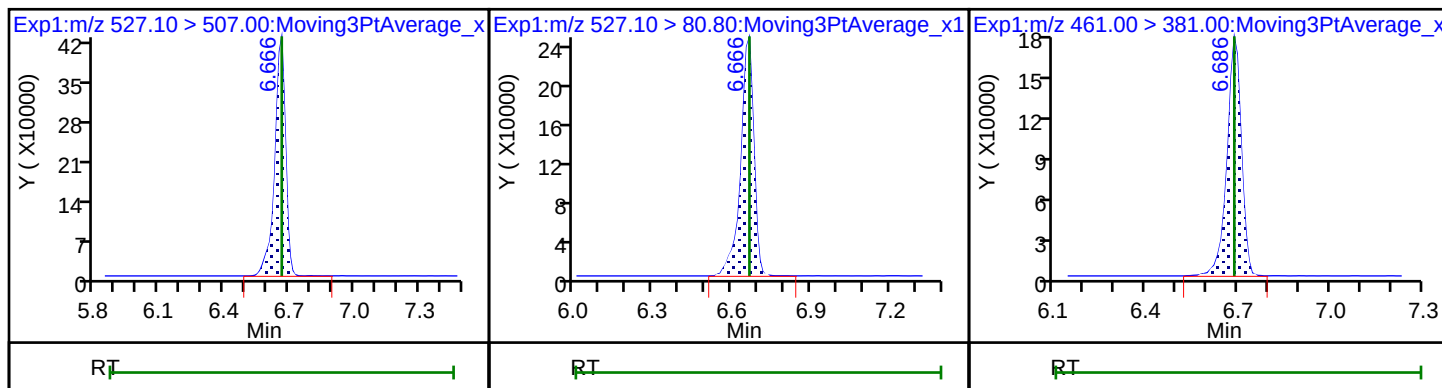
D 44 13C2-8:2FTS



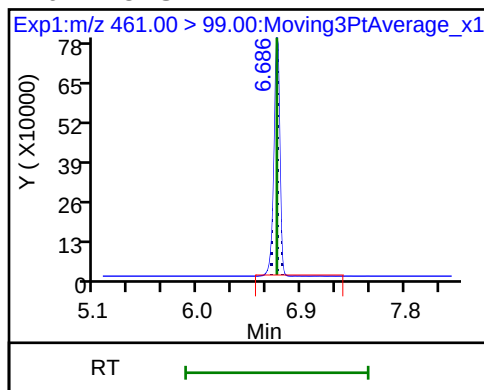
45 8:2FTS

45 8:2FTS

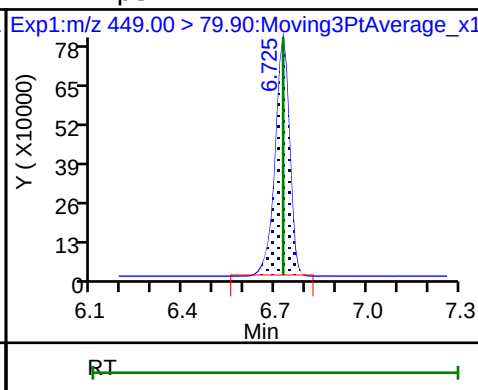
46 PFECHS



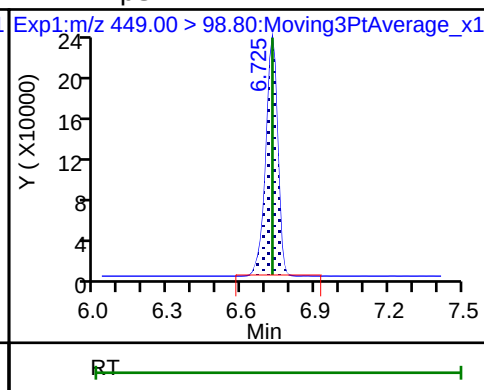
46 PFECHS



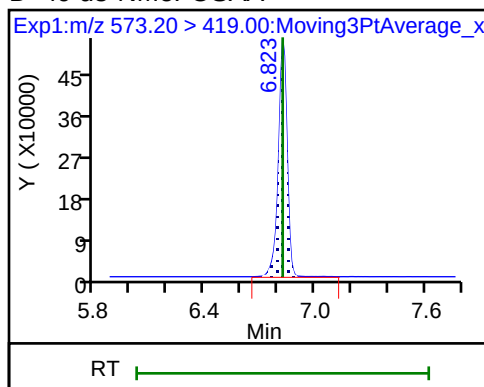
47 PFHpS



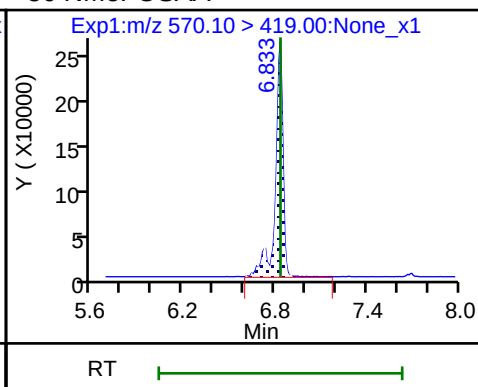
47 PFHpS



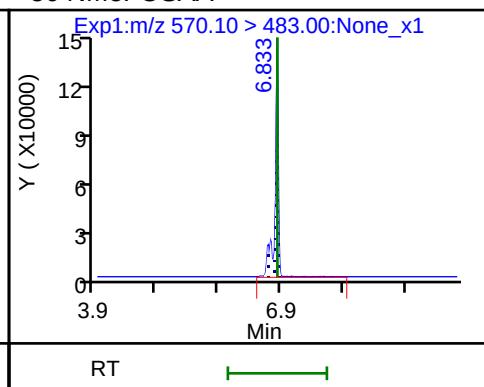
D 49 d3-NMeFOSAA



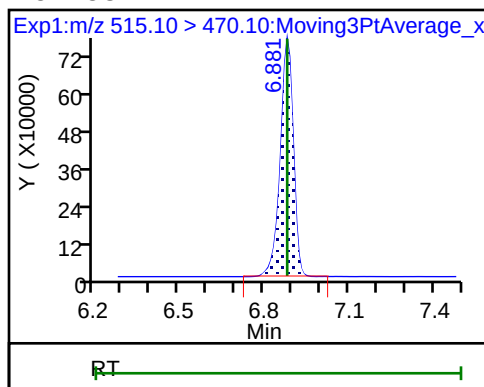
50 NMeFOSAA



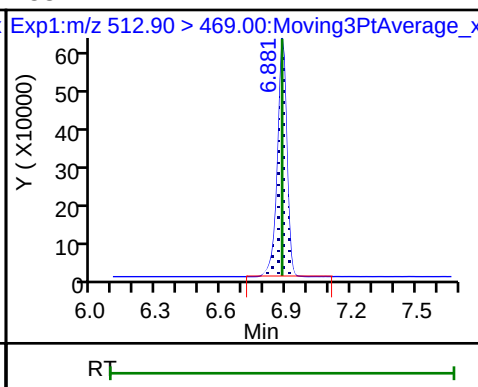
50 NMeFOSAA



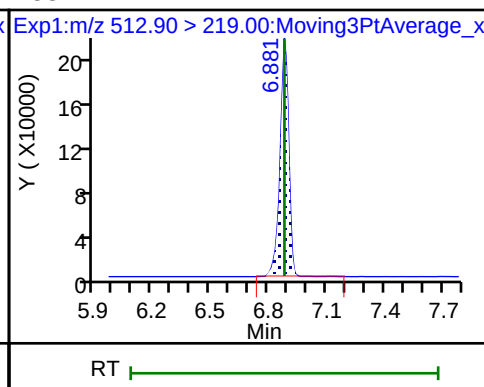
* 51 13C2 PFDA



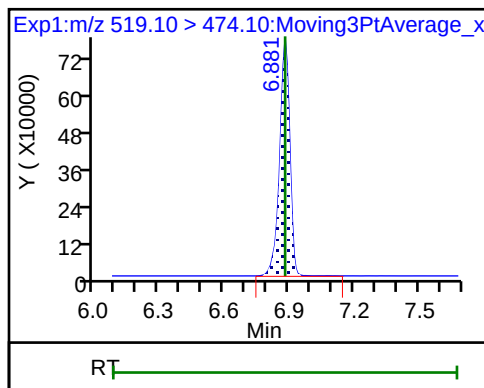
53 PFDA



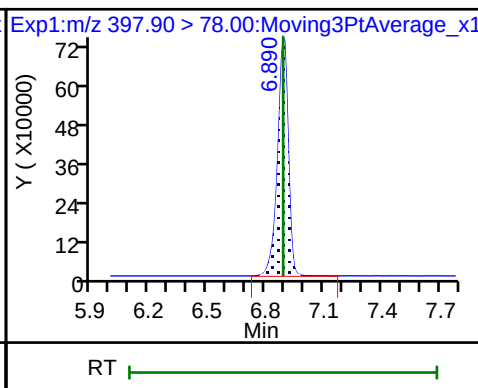
53 PFDA



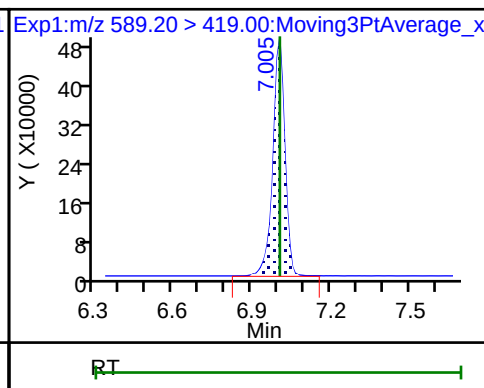
D 52 13C6 PFDA

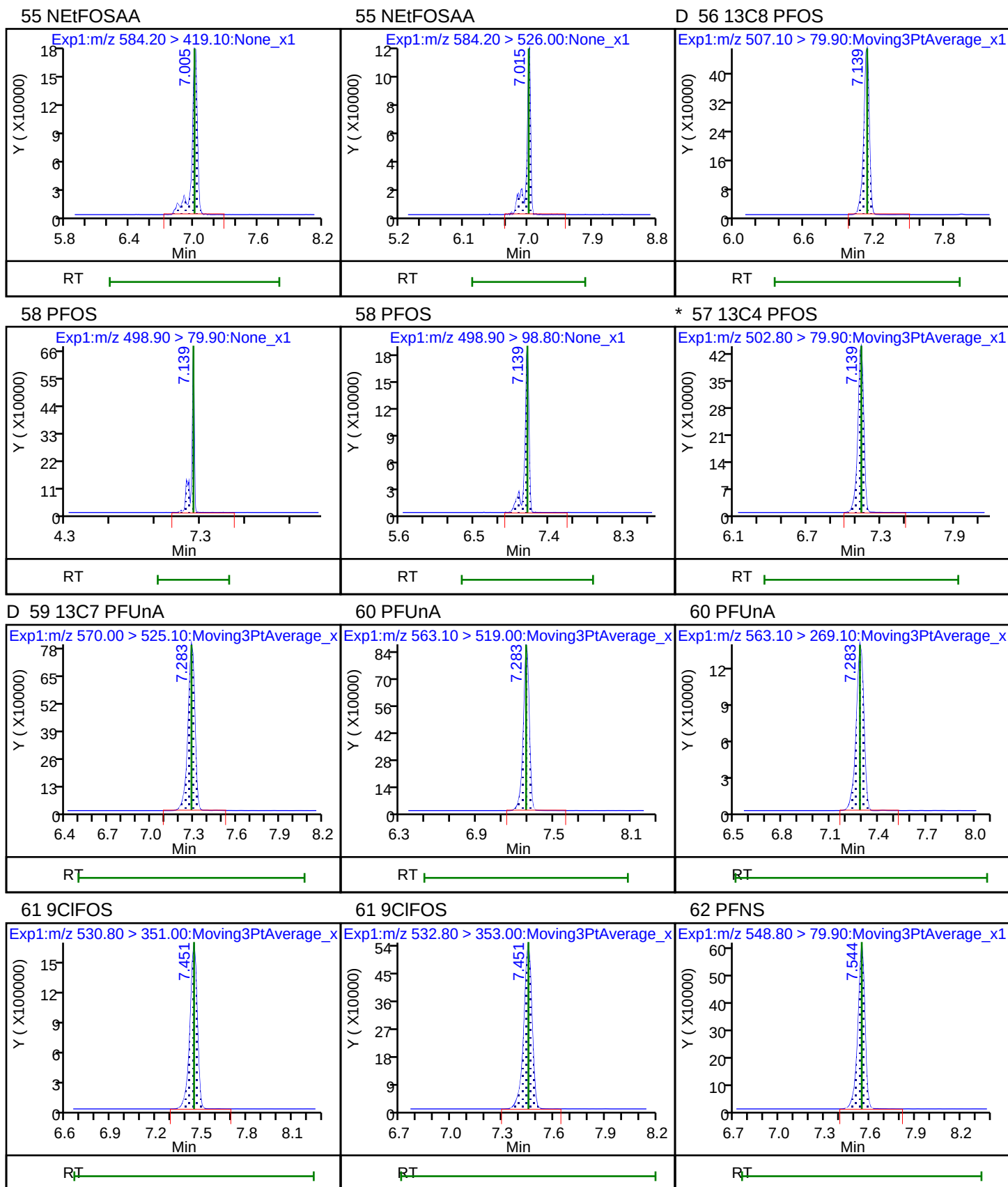


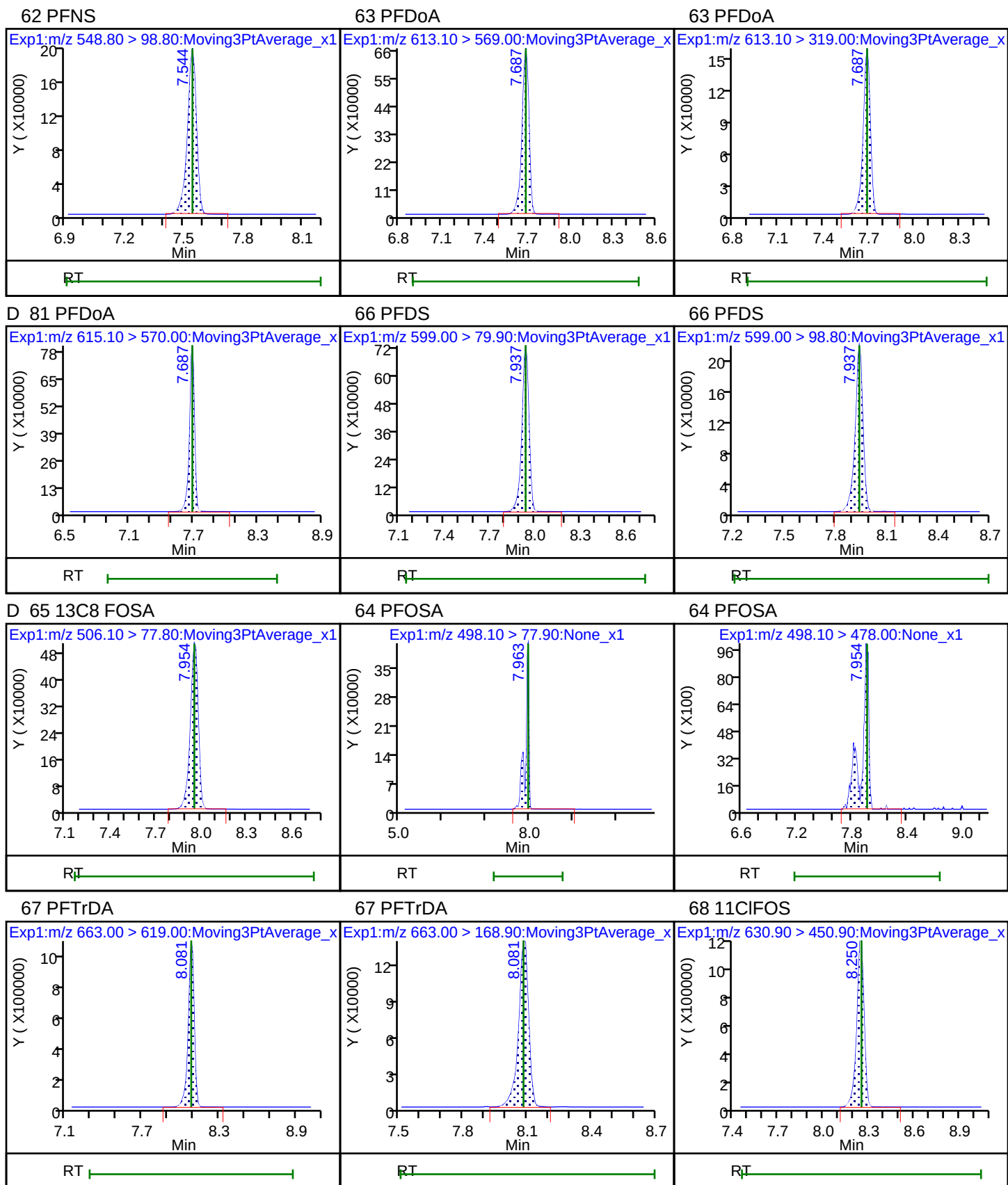
48 FHxSA

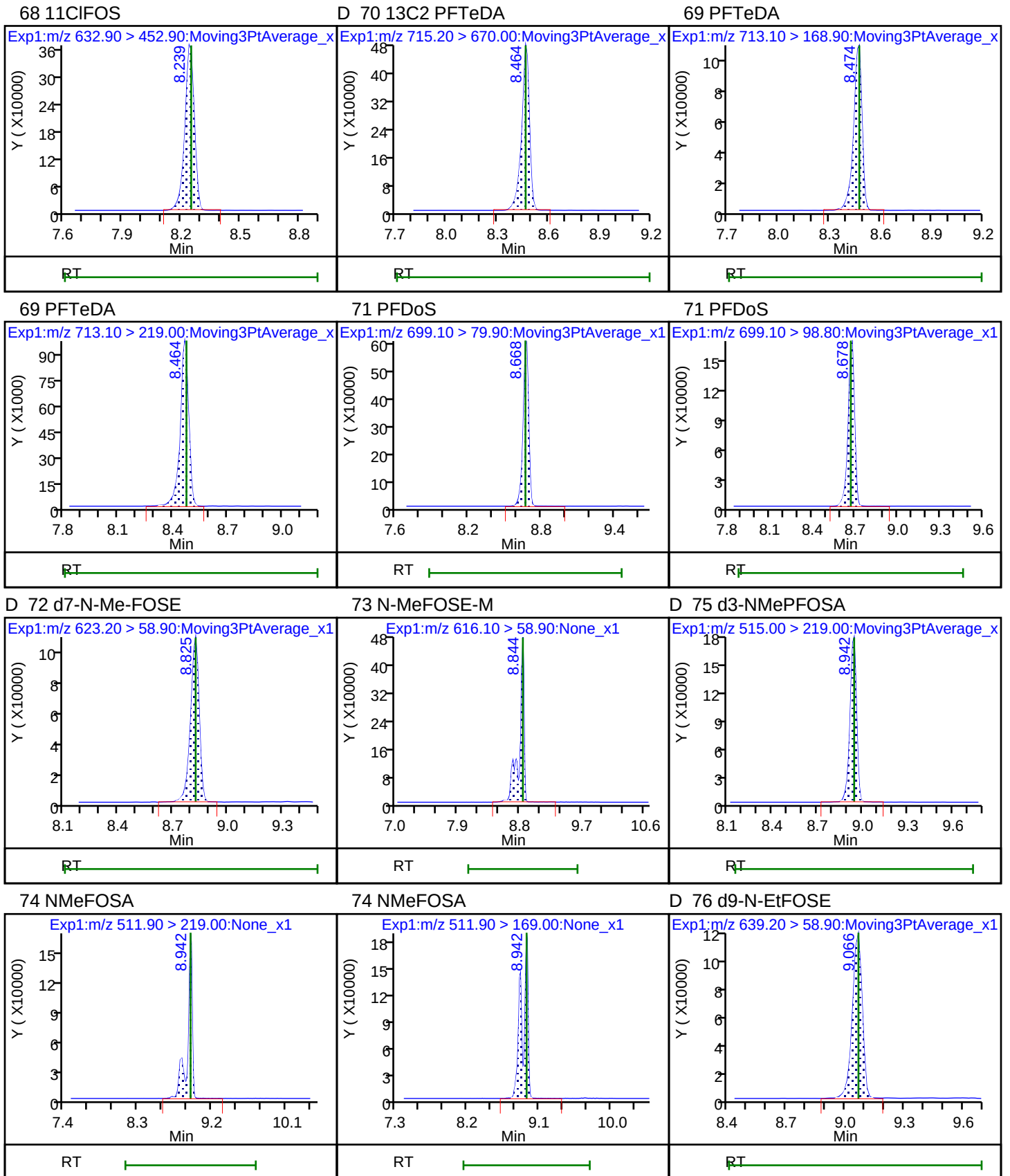


D 54 d5-NEtFOSAA

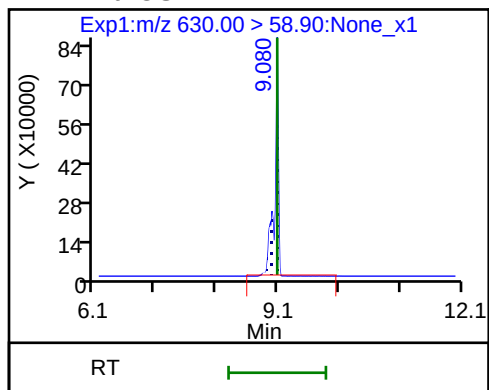




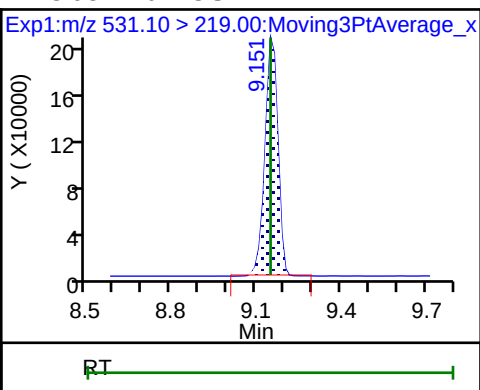




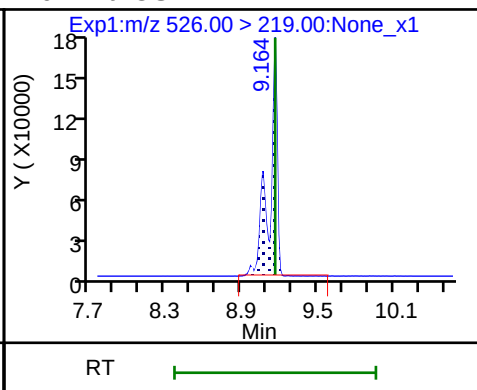
77 N-EtFOSE-M



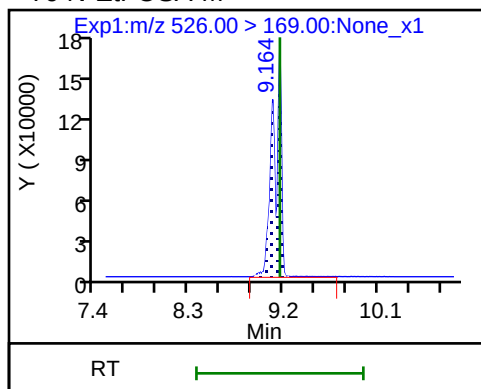
D 78 d5-NEtPFOSA



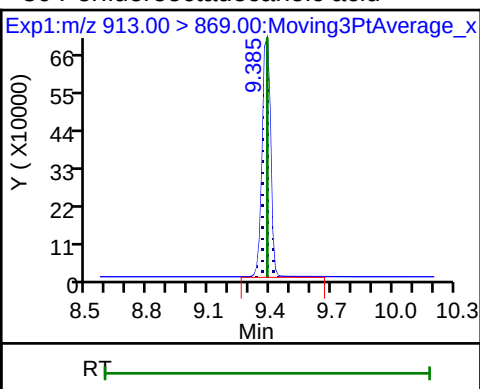
79 N-EtFOSA-M



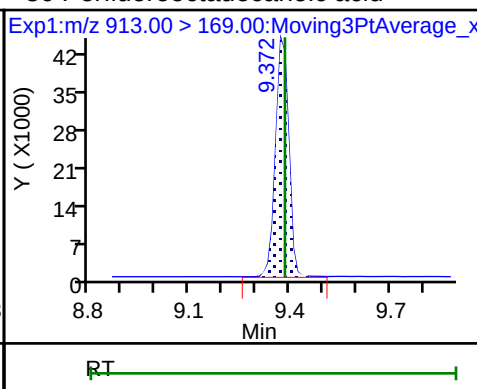
79 N-EtFOSA-M



80 Perfluorooctadecanoic acid



80 Perfluorooctadecanoic acid



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\25DEC03CAL-06.d
Lims ID: IC CAL 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 03-Dec-2025 17:06:17 ALS Bottle#: 7 Worklist Smp#: 6
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: IC CAL 6
Misc. Info.: Plate: 1 Rack: 1 410-0168744-006
Operator ID: ETUS023_USR_INS00009 Instrument ID: 30577
Sublist: chrom-30577-1633-125*sub7
Method: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\30577-1633-125.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 03-Dec-2025 20:30:16 Calib Date: 03-Dec-2025 17:33:28
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\25DEC03CAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1687

First Level Reviewer: XBL5 Date: 03-Dec-2025 18:50:19

Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C3PFPrA										
166.00 > 121.00	1.989	1.947	0.042	0.483	1077707	1.98		98.9	1759	
2 Perfluoropropionic acid										
163.00 > 119.00	1.981	1.947	0.034	0.996	12598407	24.5		97.8	44417	
3 PFBA										
212.80 > 168.90	4.112	4.112	0.0	1.000	7604064	9.77		97.7	39627	
D 4 13C4-PFBA										
216.80 > 171.90	4.112	4.112	0.0	0.998	1677862	2.03		102	6655	
* 5 13C3PFBA										
216.00 > 172.00	4.119	4.118	0.001		1574430	2.00			3317	
6 PFMPA										
229.00 > 84.90	4.466	4.466	0.0	0.930	3930610	4.73		94.5	4084	
7 3:3 FTCA										
241.00 > 177.00	4.483	4.491	-0.008	0.933	354202	9.22	Target=1.07	92.2	2312	
241.00 > 117.00	4.483	4.491	-0.008	0.933	316894		1.12(0.54-1.61)	92.2	1552	
9 PFPA										
263.00 > 219.00	4.803	4.802	0.001	1.000	5011197	4.72		94.5	2908	
D 8 13C5 PFPeA										
268.30 > 223.00	4.803	4.802	0.001	0.913	1049817	2.09		104	3826	
10 PFMBBA										
279.00 > 85.10	4.955	4.954	0.001	1.032	5007899	4.61		92.2	5145	
12 4:2FTS										
327.10 > 307.00	5.076	5.074	0.002	1.000	3221013	8.84	Target=1.69	94.2	5982	
327.10 > 80.90	5.076	5.074	0.002	1.000	1942341		1.66(0.85-2.54)	94.2	2202	
D 11 13C2-4:2FTS										
329.10 > 80.90	5.076	5.074	0.002	0.806	924488	4.43		94.5	3523	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.220	5.218	0.002	0.992	1324722	4.29	Target=1.50	85.8	3397	
295.00 > 84.90	5.220	5.218	0.002	0.992	918642		1.44(0.75-2.25)	85.8	4105	
* 16 13C2 PFHxA										
315.10 > 270.00	5.262	5.260	0.002		4649085	5.00			9813	
D 15 13C5 PFHxA										
318.00 > 273.00	5.262	5.260	0.002	1.000	2107748	2.01		100	5284	
17 PFHxA										
313.00 > 269.00	5.262	5.260	0.002	1.000	4211027	4.81	Target=10.04	96.2	6349	
313.00 > 118.90	5.262	5.260	0.002	1.000	419982		10.03(5.02-15.06)	96.2	2763	
18 5:3 FTCA										
341.00 > 237.10	5.349	5.348	0.001	1.017	2603761	24.2	Target=0.69	96.8	3266	
341.00 > 217.00	5.349	5.348	0.001	1.017	3758030		0.69(0.35-1.04)	96.8	2246	
D 19 13C3 PFBS										
302.10 > 79.90	5.391	5.389	0.002	0.856	2086133	1.85		99.3	13832	
20 PFBS										
298.70 > 79.90	5.391	5.389	0.002	1.000	5205020	4.50	Target=2.81	101	9566	
298.70 > 98.80	5.391	5.389	0.002	1.000	1722885		3.02(1.40-4.21)	101	7937	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.444	5.442	0.002	1.035	1532560	1.92		95.8	7700	
23 HFPO-DA										
284.90 > 168.90	5.444	5.442	0.002	1.000	2940358	3.71	Target=2.38	98.8	7008	
284.90 > 184.90	5.444	5.442	0.002	1.000	1245988		2.36(1.19-3.57)	98.8	5463	
21 FBSA										
297.90 > 78.00	5.478	5.476	0.002	1.016	3833828	4.84		96.7	3371	
26 PFEESA										
314.80 > 134.90	5.620	5.620	0.0	1.068	13074208	4.18	Target=13.39	93.7	9195	
314.80 > 82.90	5.620	5.620	0.0	1.068	971362		13.46(6.69-20.08)	93.7	4665	
D 28 13C4 PFHpA										
367.10 > 322.00	5.674	5.672	0.002	1.078	2176731	1.97		98.7	6073	
27 PFHpA										
363.10 > 319.00	5.674	5.684	-0.010	1.000	4137103	5.10	Target=1.71	102	5606	
363.10 > 169.00	5.674	5.684	-0.010	1.000	2326529		1.78(0.86-2.57)	102	5251	
29 ADONA										
376.90 > 250.90	5.832	5.830	0.002	1.071	12235454	4.78	Target=2.10	101	6570	
376.90 > 84.80	5.832	5.830	0.002	1.071	5722688		2.14(1.05-3.15)	101	6044	
30 PFPeS										
349.10 > 79.90	5.866	5.865	0.001	0.930	4979793	4.61	Target=3.08	98.0	7466	
349.10 > 98.90	5.866	5.865	0.001	0.930	1619990		3.07(1.54-4.62)	98.0	5560	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.877	5.876	0.001	0.933	796021	4.39		92.3	3220	
31 6:2FTS										
427.10 > 407.00	5.877	5.876	0.001	1.000	2790952	9.18	Target=1.60	96.4	761	
427.10 > 80.90	5.877	5.876	0.001	1.000	1718256		1.62(0.80-2.40)	96.4	723	
33 BTS										
280.00 > 147.00	6.014	6.014	0.0	0.954	11502337	4.60		94.0	14357	
* 34 13C4 PFOA										
417.10 > 372.00	6.084	6.084	0.0		7100257	5.00		5862	12/10/2025	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 35 13C8 PFOA										
421.10 > 376.00	6.084	6.084	0.0	1.000	2868658	1.97		98.4	4180	
36 PFOA										
413.00 > 369.00	6.084	6.084	0.0	1.000	3906378	4.73	Target=1.64	94.7	4271	
413.00 > 169.00	6.084	6.084	0.0	1.000	2499912		1.56(0.82-2.46)	94.7	2548	
37 7:3 FTCA										
441.00 > 316.90	6.185	6.176	0.009	1.176	1314056	24.4	Target=0.27	97.7	3791	
441.00 > 336.90	6.185	6.176	0.009	1.176	4737087		0.28(0.14-0.41)	97.7	3477	
D 38 13C3 PFHxS										
402.10 > 79.90	6.306	6.297	0.009	1.001	1742338	1.90		100	4003	
* 39 18O2 PFHxS										
403.00 > 83.90	6.297	6.297	0.0		1736500	1.90			6558	
40 PFHxS										
398.70 > 79.90	6.297	6.306	-0.009	0.999	3909696	4.24	Target=3.19	92.9	5867	
398.70 > 98.90	6.297	6.306	-0.009	0.999	1209564		3.23(1.60-4.78)	92.9	1912	
D 41 13C9 PFNA										
472.10 > 427.00	6.480	6.479	0.001	1.000	2387176	1.98		98.9	6019	
43 PFNA										
463.00 > 419.00	6.480	6.479	0.001	1.000	4736133	4.88	Target=1.91	97.6	6102	
463.00 > 219.00	6.480	6.479	0.001	1.000	2381926		1.99(0.96-2.87)	97.6	2718	
* 42 13C5 PFNA										
468.00 > 423.00	6.480	6.479	0.001		2464169	2.00			6826	
D 44 13C2-8:2FTS										
529.10 > 80.90	6.666	6.666	0.0	1.059	755196	4.46		92.9	2492	
45 8:2FTS										
527.10 > 507.00	6.666	6.666	0.0	1.000	2611828	9.68	Target=1.66	101	5188	
527.10 > 80.80	6.654	6.666	-0.012	0.998	1502001		1.74(0.83-2.49)	101	3222	
46 PFECHS										
461.00 > 381.00	6.696	6.686	0.010	1.062	1056741	4.75	Target=0.20	103	5224	
461.00 > 99.00	6.696	6.686	0.010	1.062	5227657		0.20(0.10-0.30)	103	16731	
47 PFHpS										
449.00 > 79.90	6.726	6.725	0.001	0.942	4920525	4.71	Target=3.28	98.8	8057	
449.00 > 98.80	6.726	6.725	0.001	0.942	1459377		3.37(1.64-4.92)	98.8	5033	
D 49 d3-NMeFOSAA										
573.20 > 419.00	6.823	6.823	0.0	0.956	1545687	4.55		91.1	2927	
50 NMeFOSAA										
570.10 > 419.00	6.833	6.833	0.0	1.001	1648348	5.21	Target=1.60	104	418	
570.10 > 483.00	6.833	6.833	0.0	1.001	952696		1.73(0.80-2.40)	104	1255	
53 PFDA										
512.90 > 469.00	6.881	6.881	0.0	1.000	3394015	4.87	Target=2.79	97.4	4251	
512.90 > 219.00	6.881	6.881	0.0	1.000	1210577		2.80(1.39-4.18)	97.4	4877	
D 52 13C6 PFDA										
519.10 > 474.10	6.881	6.881	0.0	1.000	2314046	1.89		94.4	4469	
* 51 13C2 PFDA										
515.10 > 470.10	6.881	6.881	0.0		2402717	2.00			7695	
48 FHxSA										
397.90 > 78.00	6.890	6.890	0.0	1.093	5444326	4.76		95.3	4944	

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	7.006	7.005	0.001	0.981	1412152	4.71		94.1	3284	
55 NEtFOSAA										
584.20 > 419.10	7.015	7.005	0.010	1.001	1143128	4.83	Target=1.35	96.5	2013	
584.20 > 526.00	7.015	7.005	0.010	1.001	859551		1.33(0.67-2.02)	96.5	1465	
D 56 13C8 PFOS										
507.10 > 79.90	7.139	7.139	0.0	1.000	1487297	1.82		95.2	2823	
58 PFOS										
498.90 > 79.90	7.139	7.139	0.0	1.000	5076968	4.35	Target=4.17	93.6	7329	
498.90 > 98.80	7.139	7.139	0.0	1.000	1266339		4.01(2.08-6.25)	93.6	2551	
* 57 13C4 PFOS										
502.80 > 79.90	7.139	7.139	0.0		1556443	1.92			6347	
D 59 13C7 PFUnA										
570.00 > 525.10	7.283	7.283	0.0	1.058	2586925	1.93		96.7	7081	
60 PFUnA										
563.10 > 519.00	7.292	7.283	0.009	1.001	5097598	4.96	Target=5.71	99.3	9980	
563.10 > 269.10	7.292	7.283	0.009	1.001	903084		5.64(2.86-8.56)	99.3	2883	
61 9ClFOS										
530.80 > 351.00	7.451	7.451	0.0	1.044	10560625	4.59	Target=3.03	98.2	19660	
532.80 > 353.00	7.451	7.451	0.0	1.044	3566841		2.96(1.51-4.54)	98.2	12632	
62 PFNS										
548.80 > 79.90	7.544	7.544	0.0	1.057	3582951	4.54	Target=3.29	94.3	6157	
548.80 > 98.80	7.544	7.544	0.0	1.057	1064321		3.37(1.65-4.94)	94.3	5174	
63 PFDoA										
613.10 > 569.00	7.688	7.687	0.001		4437081	4.94	Target=4.72	98.8	5705	
613.10 > 319.00	7.688	7.687	0.001		930370		4.77(2.36-7.08)	98.8	3503	
D 81 PFDoA										
615.10 > 570.00	7.688	7.687	0.001	1.117	2444329	1.99		99.7	4424	
66 PFDS										
599.00 > 79.90	7.937	7.937	0.0	1.112	4371633	4.71	Target=3.35	97.8	4708	
599.00 > 98.80	7.937	7.937	0.0	1.112	1304197		3.35(1.67-5.02)	97.8	4156	
D 65 13C8 FOSA										
506.10 > 77.80	7.954	7.954	0.0	1.114	1787504	1.87		93.7	6796	
64 PFOSA										
498.10 > 77.90	7.954	7.963	-0.009	1.000	4121203	4.82	Target=40.44	96.3	7312	
498.10 > 478.00	7.954	7.963	-0.009	1.000	108373		38.03(20.22-60.66)	96.3	177	
67 PFTrDA										
663.00 > 619.00	8.081	8.081	0.0	0.954	6389959	4.79	Target=7.60	95.9	16764	
663.00 > 168.90	8.081	8.081	0.0	0.954	890071		7.18(3.80-11.40)	95.9	3076	
68 11ClFOS										
630.90 > 450.90	8.250	8.250	0.0	1.156	6922108	4.52	Target=3.14	95.8	15963	
632.90 > 452.90	8.239	8.250	-0.011	1.154	2279358		3.04(1.57-4.71)	95.8	9562	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.474	8.464	0.010	1.231	1473752	1.93		96.5	4489	
69 PFTeDA										
713.10 > 168.90	8.474	8.474	0.0	1.000	670802	4.83	Target=1.10	96.5	2696	
713.10 > 219.00	8.464	8.474	-0.010	0.999	590528		1.14(0.55-1.65)	96.5	2592	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
71 PFDoS										
699.10 > 79.90	8.678	8.668	0.010	1.216	3719541	4.79	Target=3.69	98.8	5896	
699.10 > 98.80	8.678	8.668	0.010	1.216	1007609		3.69(1.84-5.53)	98.8	5242	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.825	8.825	0.0	1.236	341612	4.92		98.4	569	
73 N-MeFOSE-M										
616.10 > 58.90	8.844	8.844	0.0	1.002	4442254	23.7		94.9	3091	
D 75 d3-NMePFOSA										
515.00 > 219.00	8.942	8.942	0.0	1.253	540324	1.97		98.4	2763	
74 NMeFOSA										
511.90 > 219.00	8.942	8.942	0.0	1.000	1289461	4.80	Target=0.69	96.0	3101	
511.90 > 169.00	8.942	8.942	0.0	1.000	1872733		0.69(0.34-1.03)	96.0	2219	
D 76 d9-N-EtFOSE										
639.20 > 58.90	9.066	9.066	0.0	1.270	402970	4.88		97.6	601	
77 N-EtFOSE-M										
630.00 > 58.90	9.080	9.080	0.0	1.002	6471126	23.9		95.7	8871	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.151	9.151	0.001	1.282	644335	1.94		97.0	1880	
79 N-EtFOSA-M										
526.00 > 219.00	9.164	9.164	0.0	1.001	1408483	4.78	Target=0.85	95.6	4013	
526.00 > 169.00	9.164	9.164	0.0	1.001	1645339		0.86(0.43-1.28)	95.6	4843	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.385	9.385	0.0	1.108	4339266	5.43	Target=16.54	109	19959	
913.00 > 169.00	9.385	9.385	0.0	1.108	270794		16.02(8.27-24.81)	109	8828	

QC Flag Legend

Processing Flags

Reagents:

1633_125_CAL6_00035

Amount Added: 1.00

Units: mL

Data File: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\25DEC03CAL-06.d

Injection Date: 03-Dec-2025 17:06:17

Instrument ID: 30577

Lims ID: IC CAL 6

Client ID:

Operator ID: ETUS023_USR_INS00009

ALS Bottle#: 7

Worklist Smp#: 6

Injection Vol: 7.0 ul

Dil. Factor: 1.0000

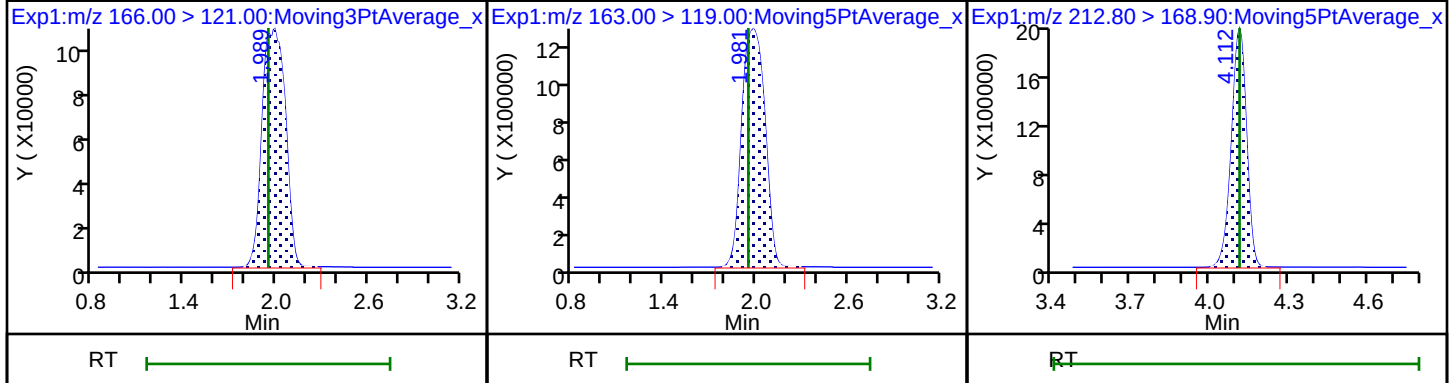
Method: 30577-1633-125

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid

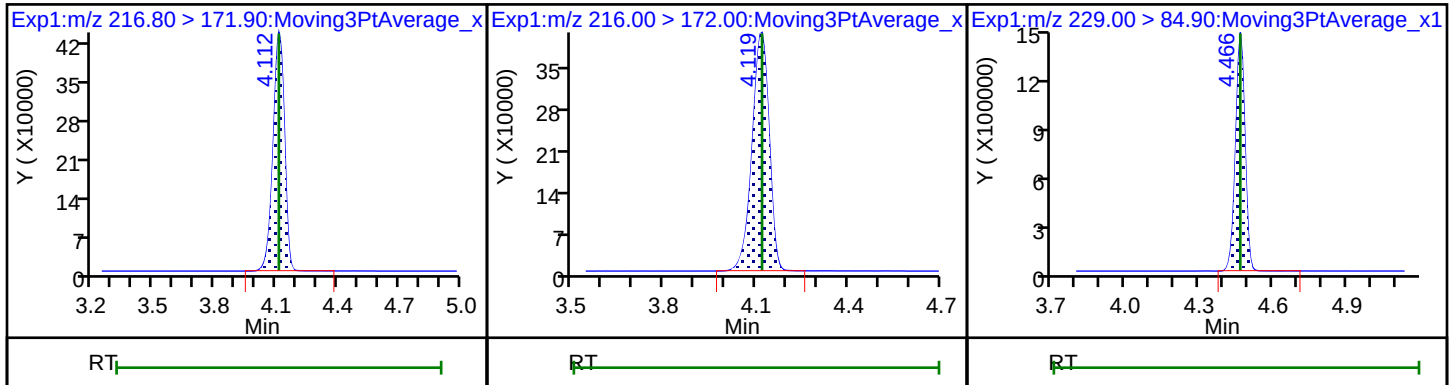
3 PFBA



D 4 13C4-PFBA

* 5 13C3PFBA

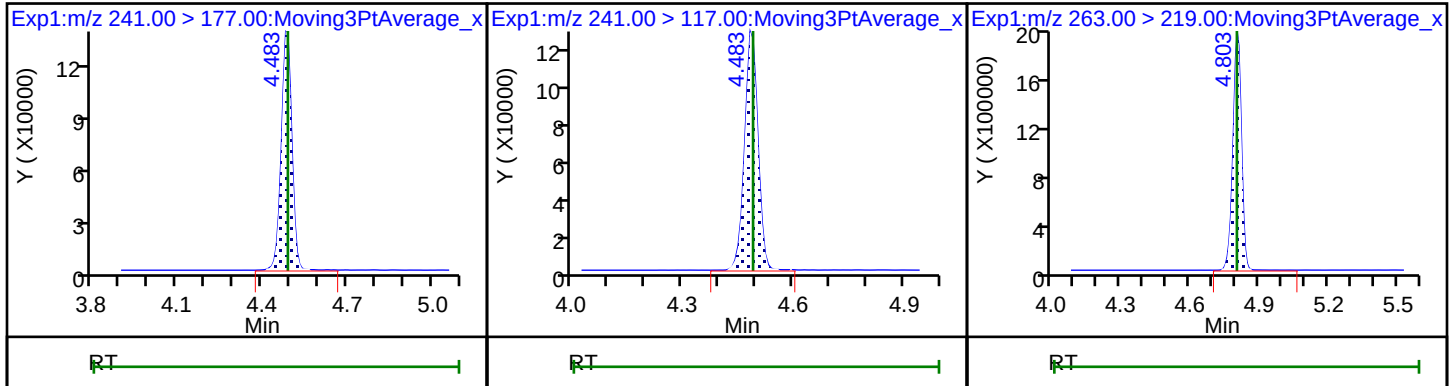
6 PFMPA



7 3:3 FTCA

7 3:3 FTCA

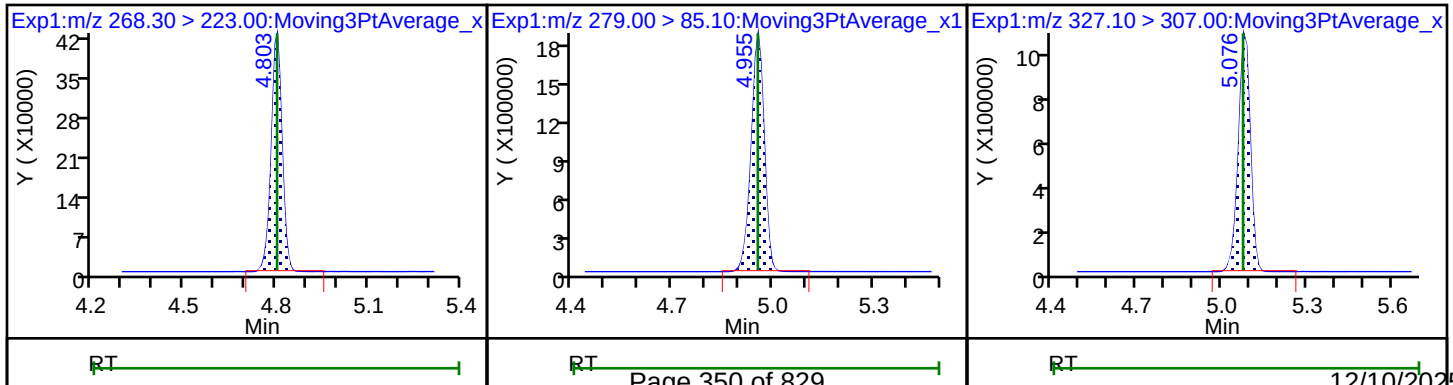
9 PFPA



D 8 13C5 PFPeA

10 PFMBa

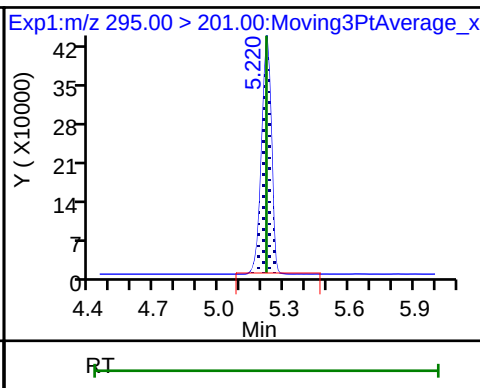
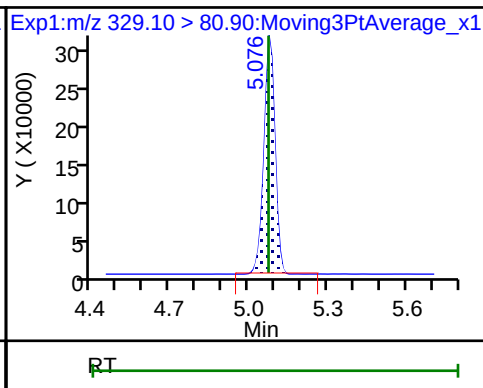
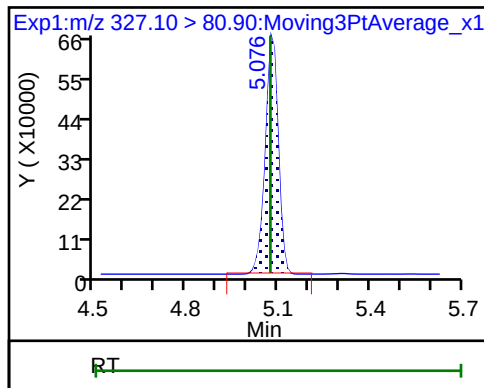
12 4:2FTS



12 4:2FTS

D 11 13C2-4:2FTS

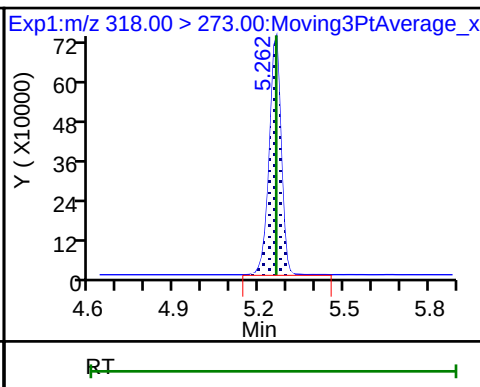
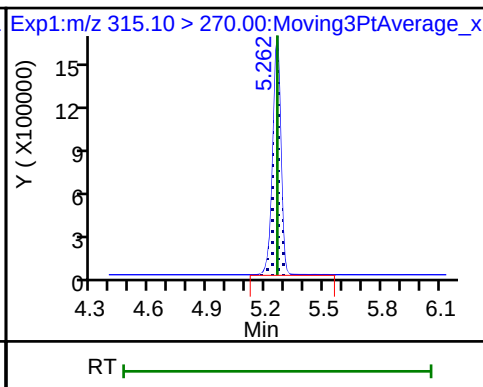
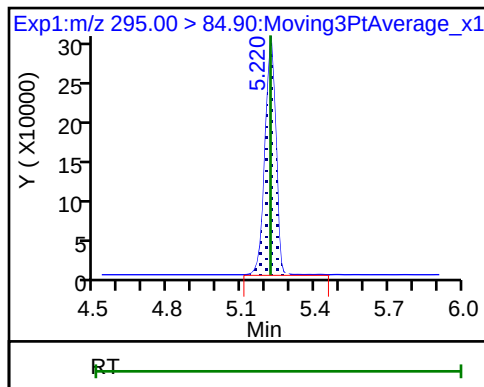
14 NFDHA



14 NFDHA

* 16 13C2 PFHxA

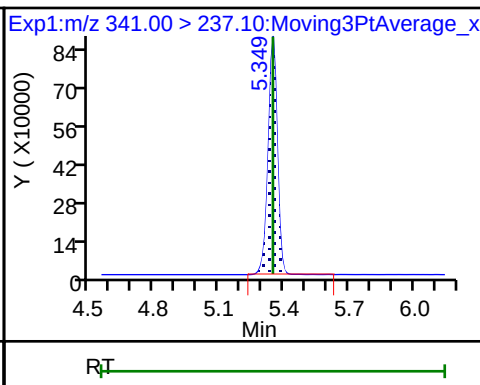
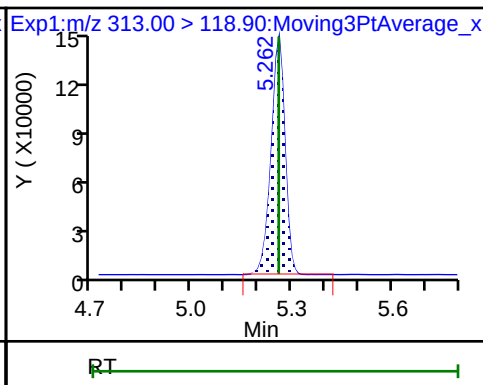
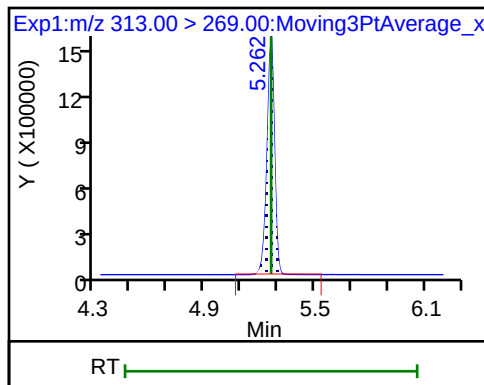
D 15 13C5 PFHxA



17 PFHxA

17 PFHxA

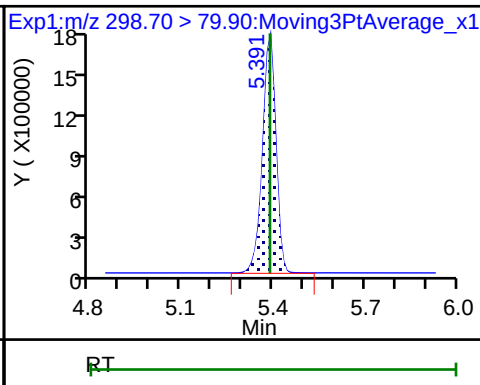
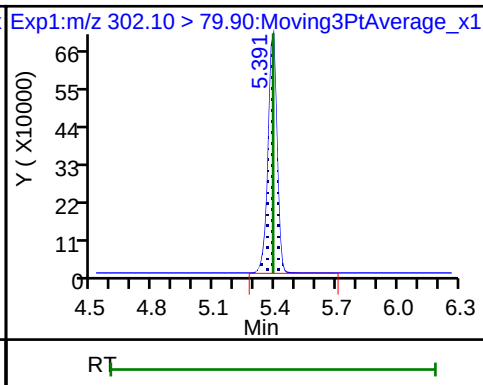
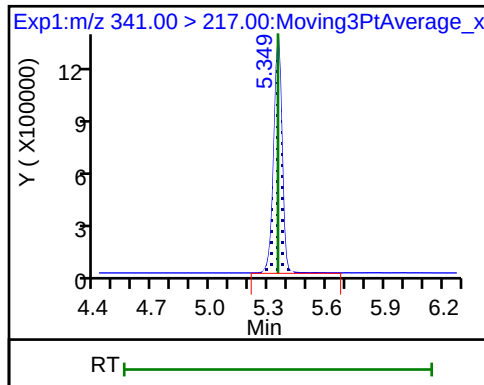
18 5:3 FTCA

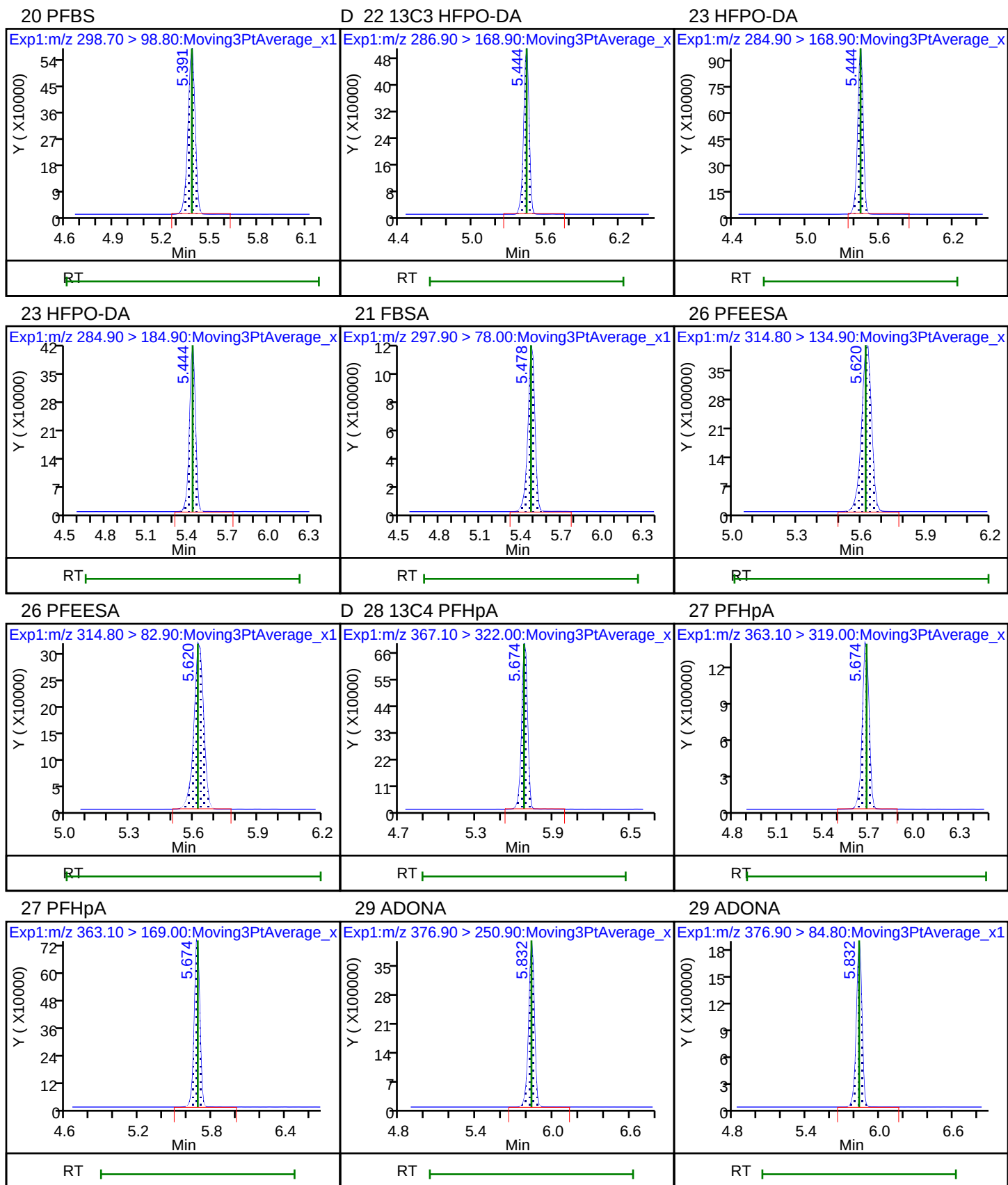


18 5:3 FTCA

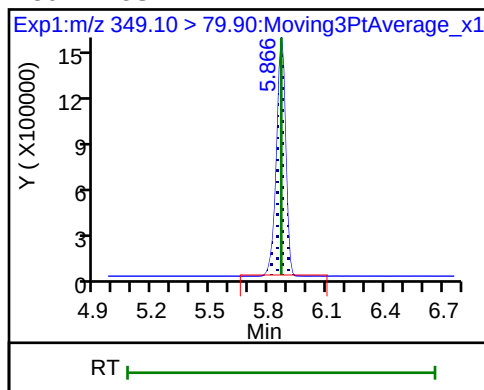
D 19 13C3 PFBS

20 PFBS

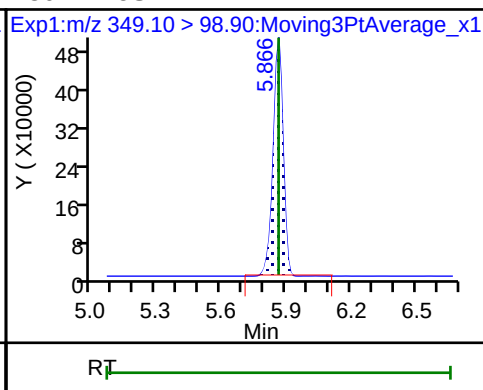




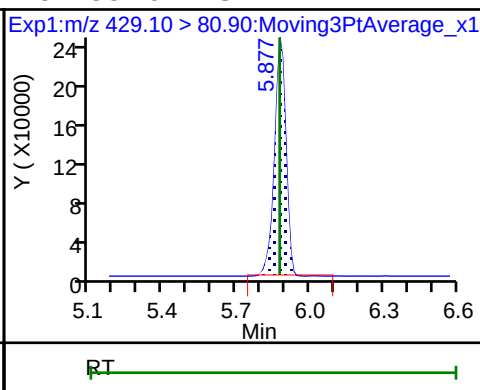
30 PFPeS



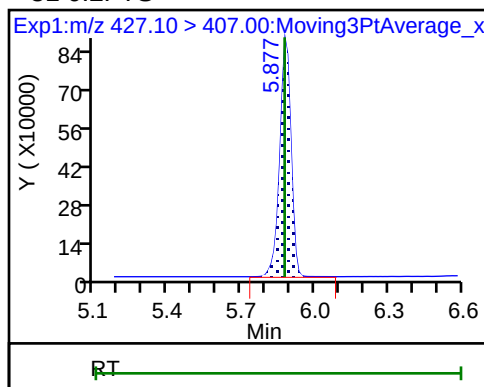
30 PFPeS



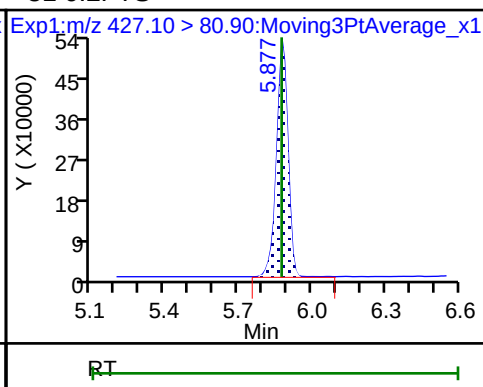
D 32 13C2-6:2FTS



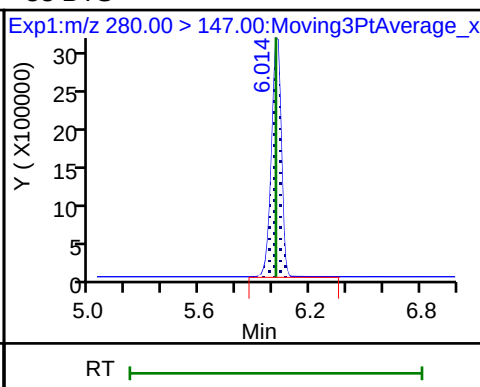
31 6:2FTS



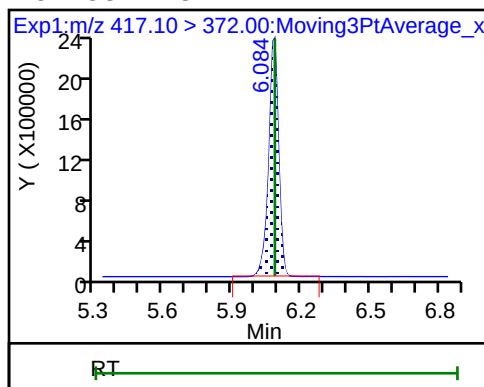
31 6:2FTS



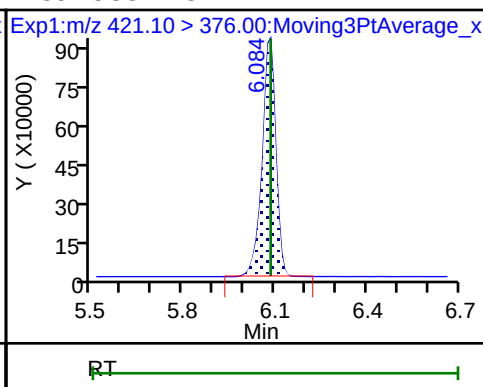
33 BTS



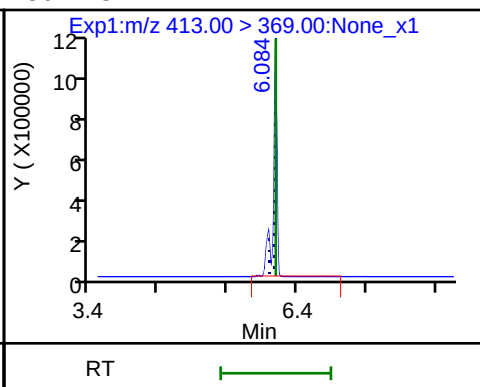
* 34 13C4 PFOA



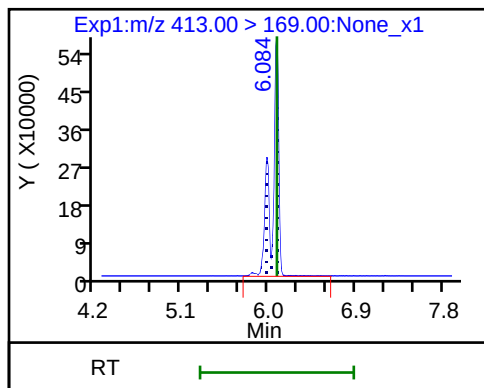
D 35 13C8 PFOA



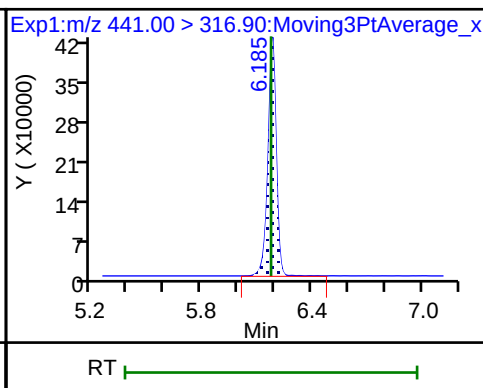
36 PFOA



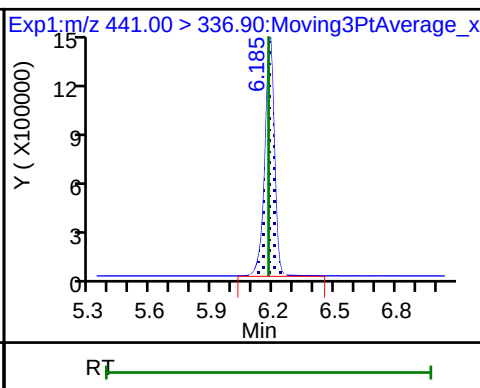
36 PFOA



37 7:3 FTCA



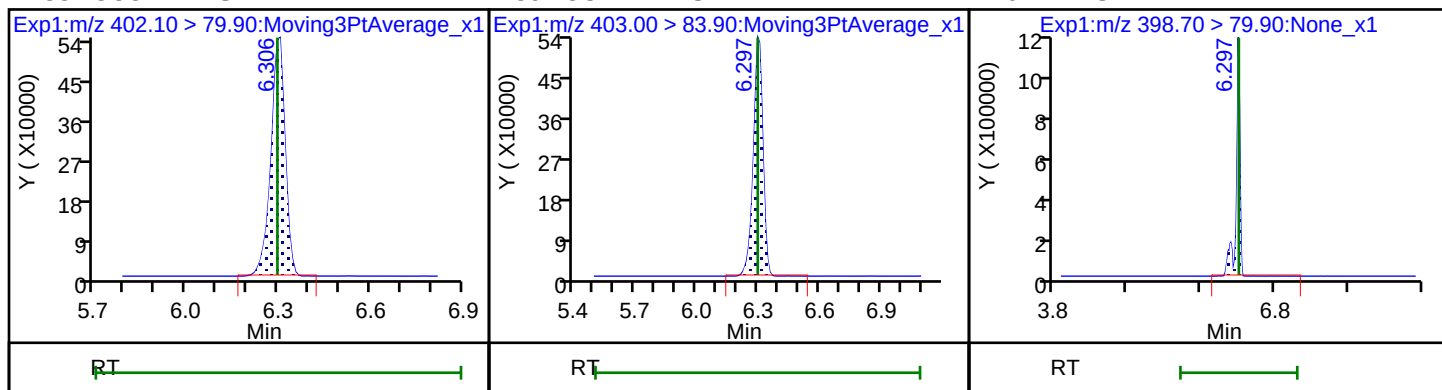
37 7:3 FTCA



D 38 13C3 PFHxS

* 39 18O2 PFHxS

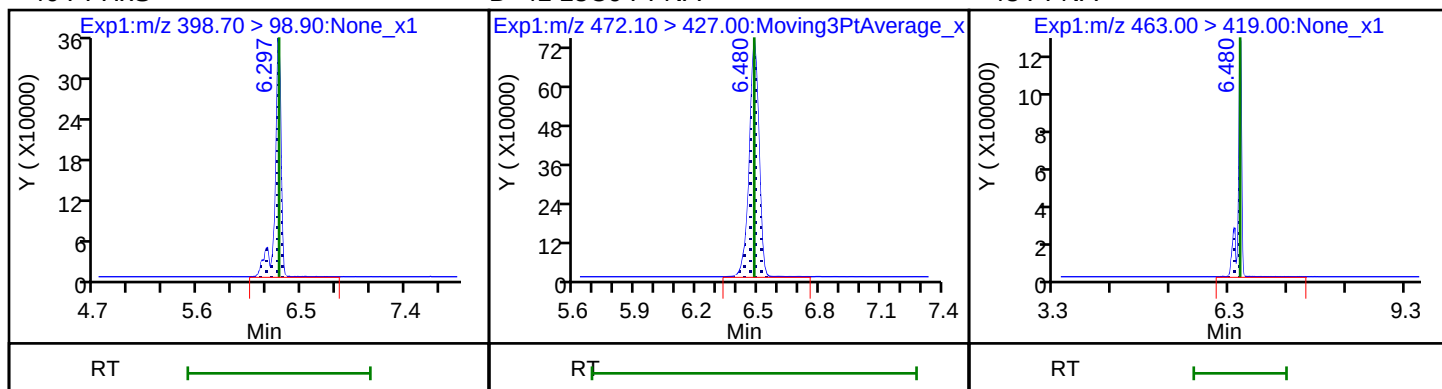
40 PFHxS



40 PFHxS

D 41 13C9 PFNA

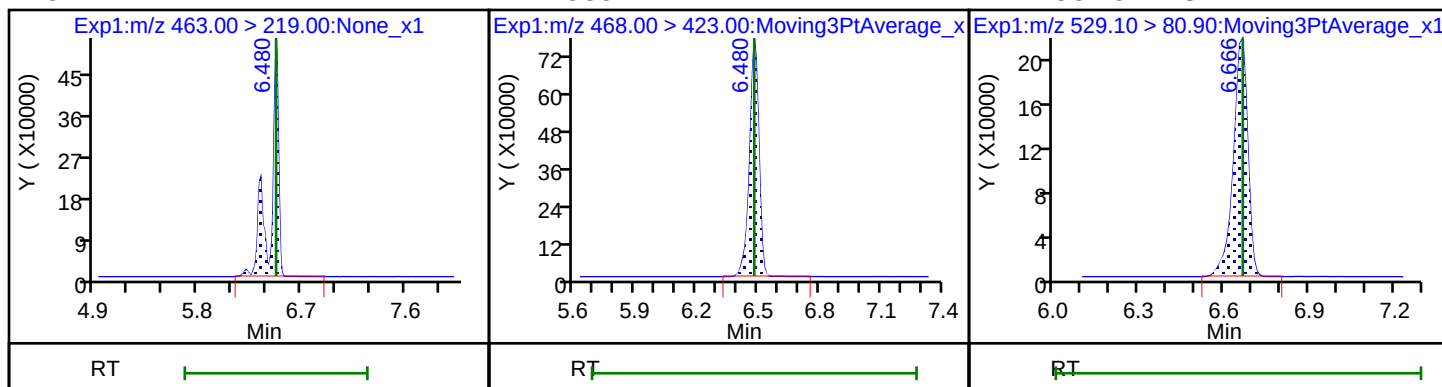
43 PFNA



43 PFNA

* 42 13C5 PFNA

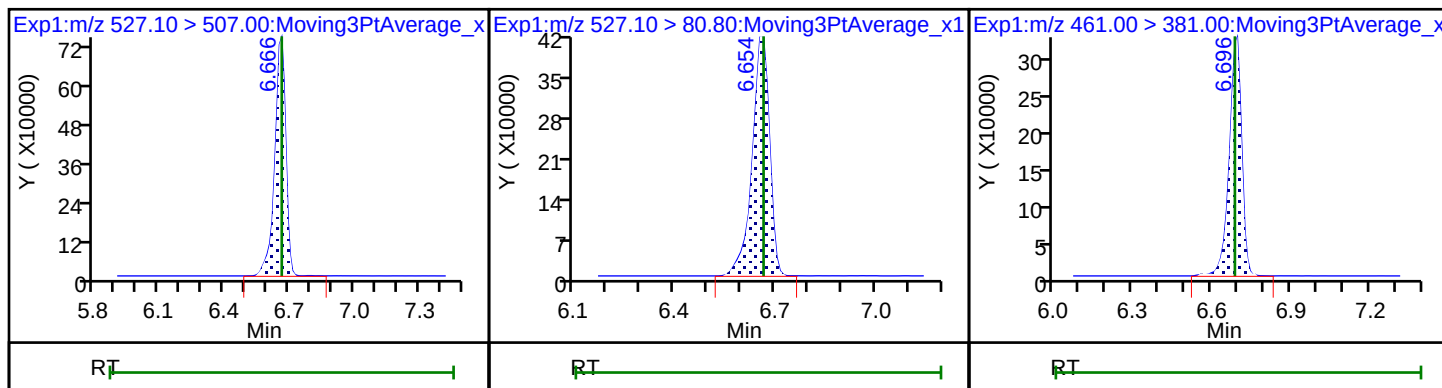
D 44 13C2-8:2FTS



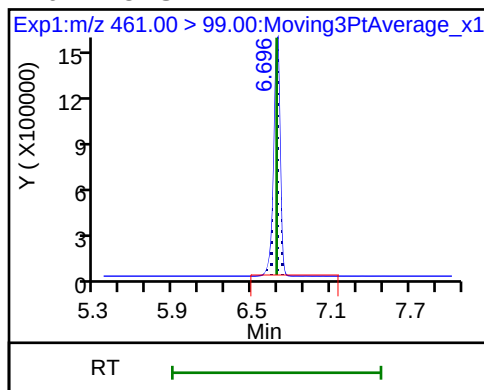
45 8:2FTS

45 8:2FTS

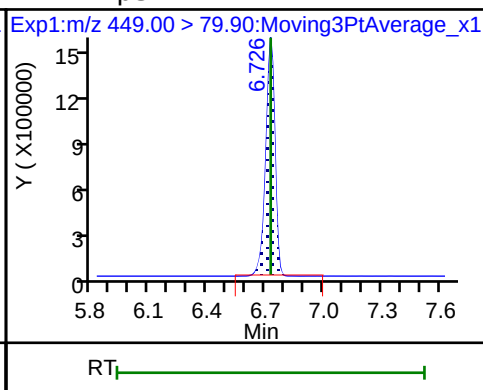
46 PFECHS



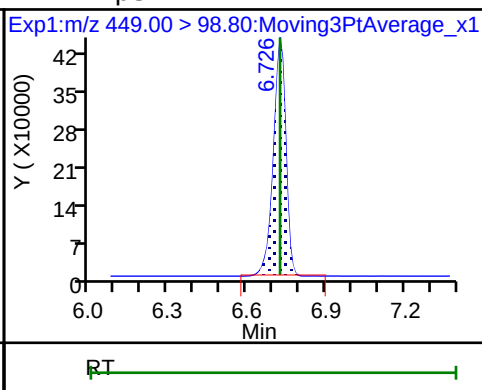
46 PFECHS



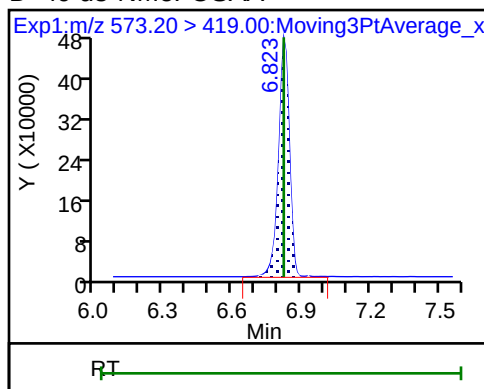
47 PFHpS



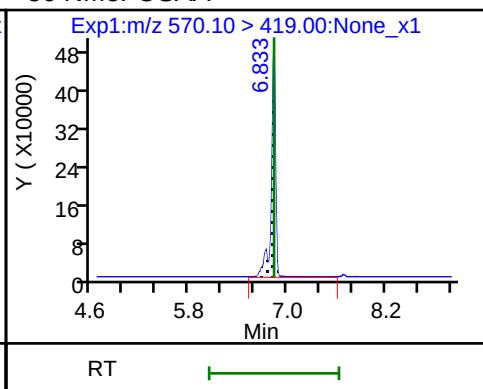
47 PFHpS



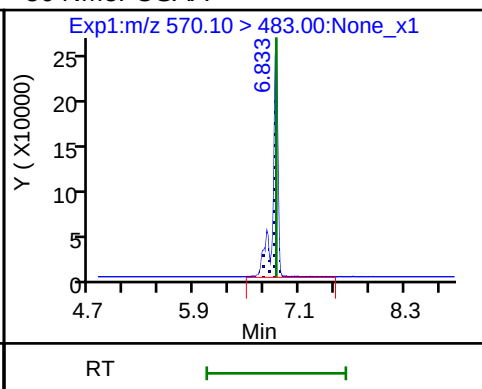
D 49 d3-NMeFOSAA



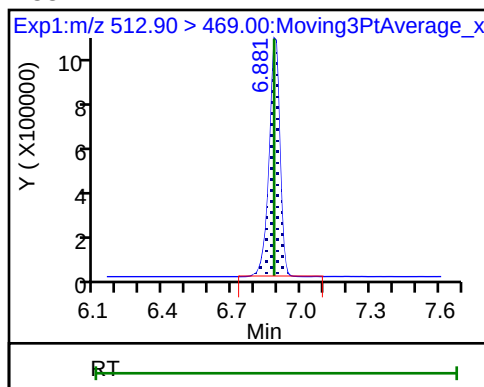
50 NMeFOSAA



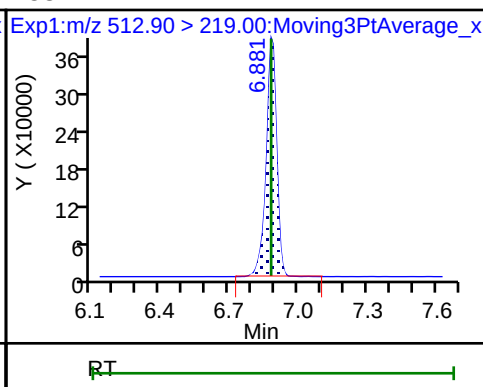
50 NMeFOSAA



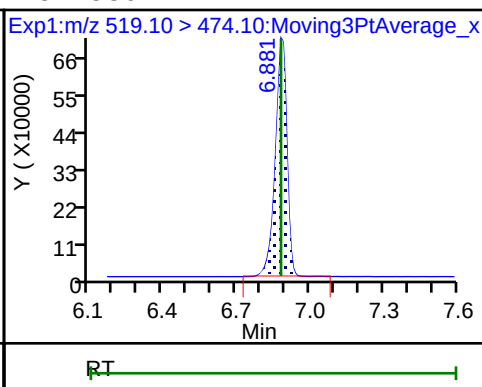
53 PFDA



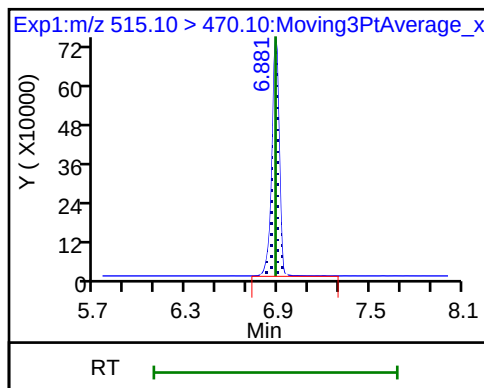
53 PFDA



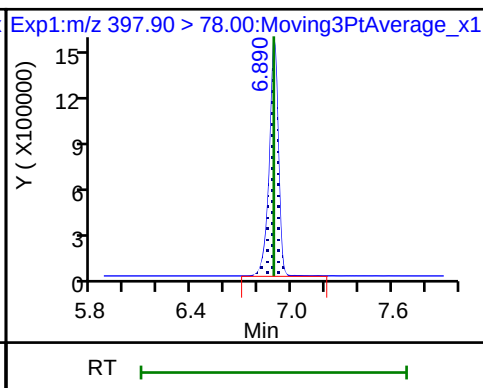
D 52 13C6 PFDA



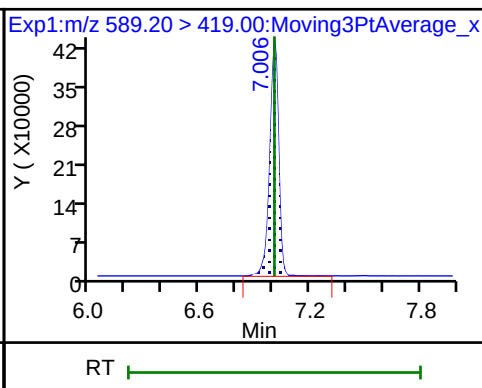
* 51 13C2 PFDA

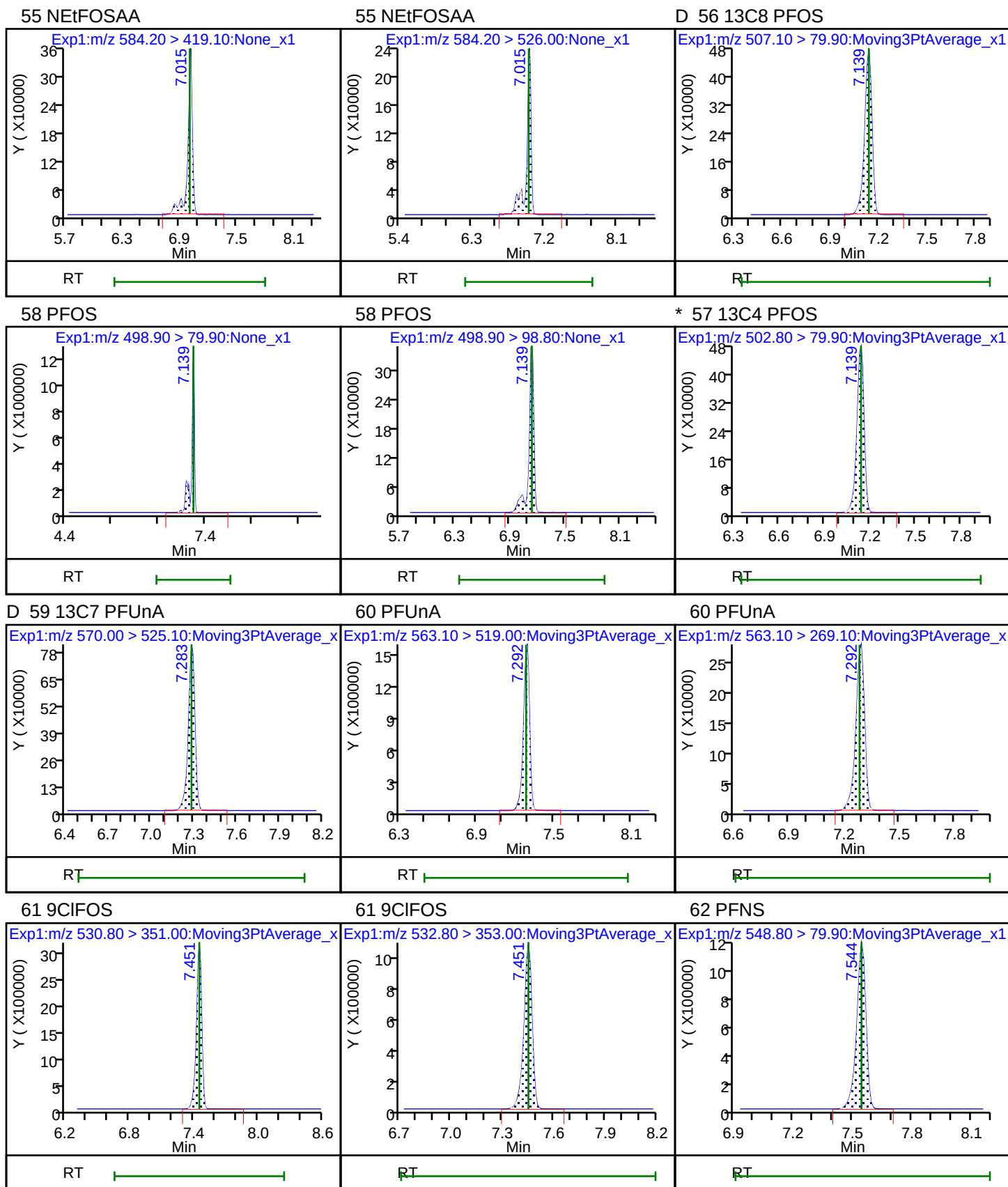


48 FHxSA

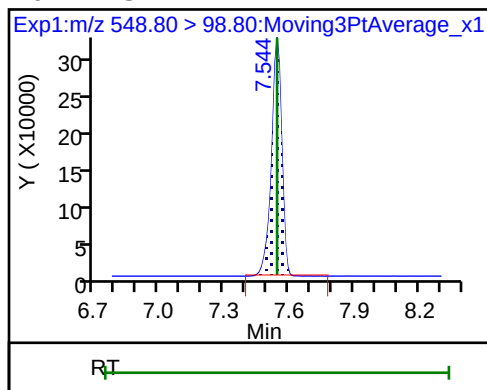


D 54 d5-NEtFOSAA

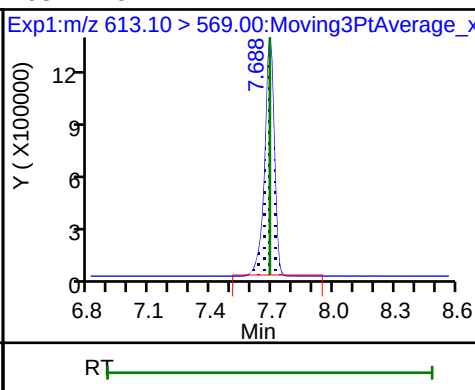




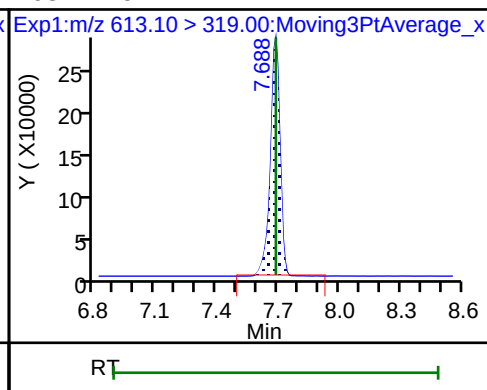
62 PFNS



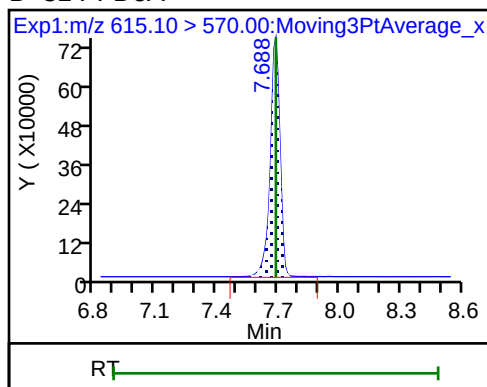
63 PFDaA



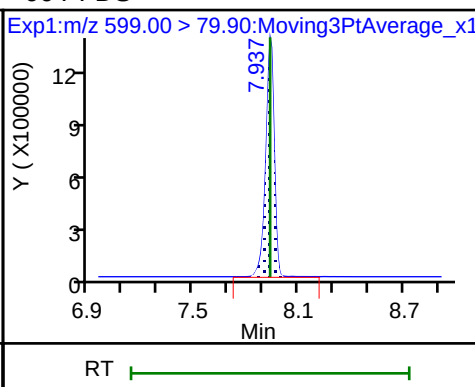
63 PFDaA



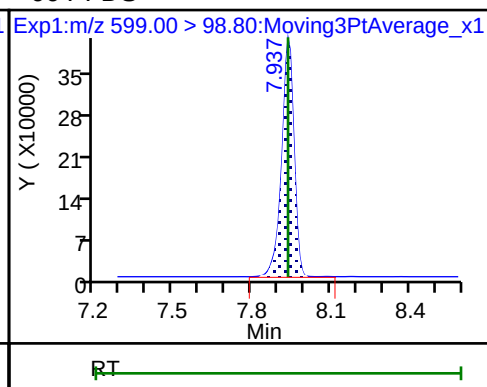
D 81 PFDaA



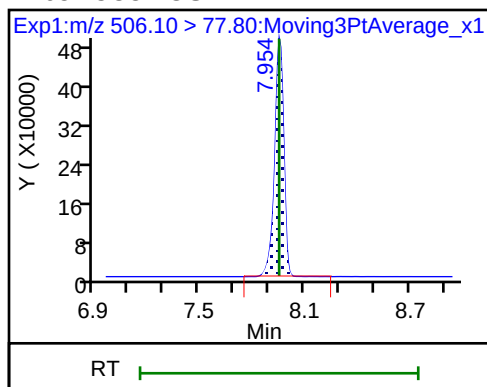
66 PFDS



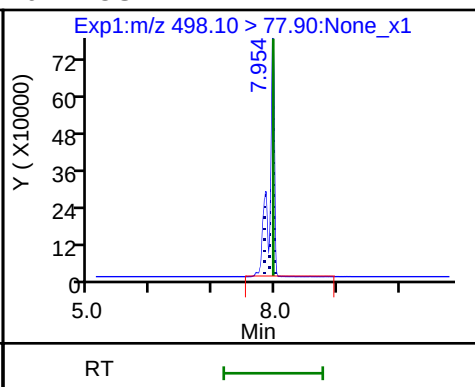
66 PFDS



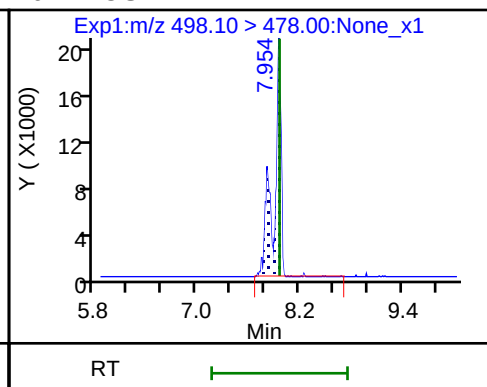
D 65 13C8 FOSA



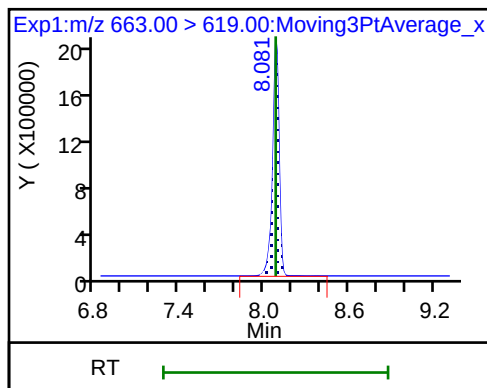
64 PFOSA



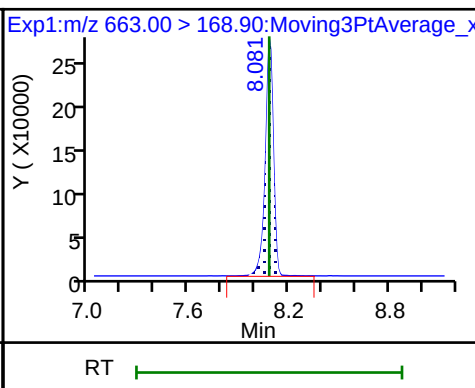
64 PFOSA



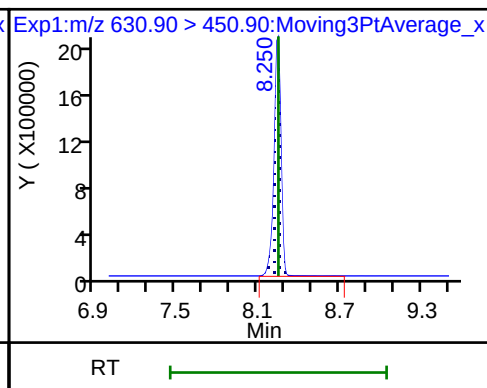
67 PFTTrDA

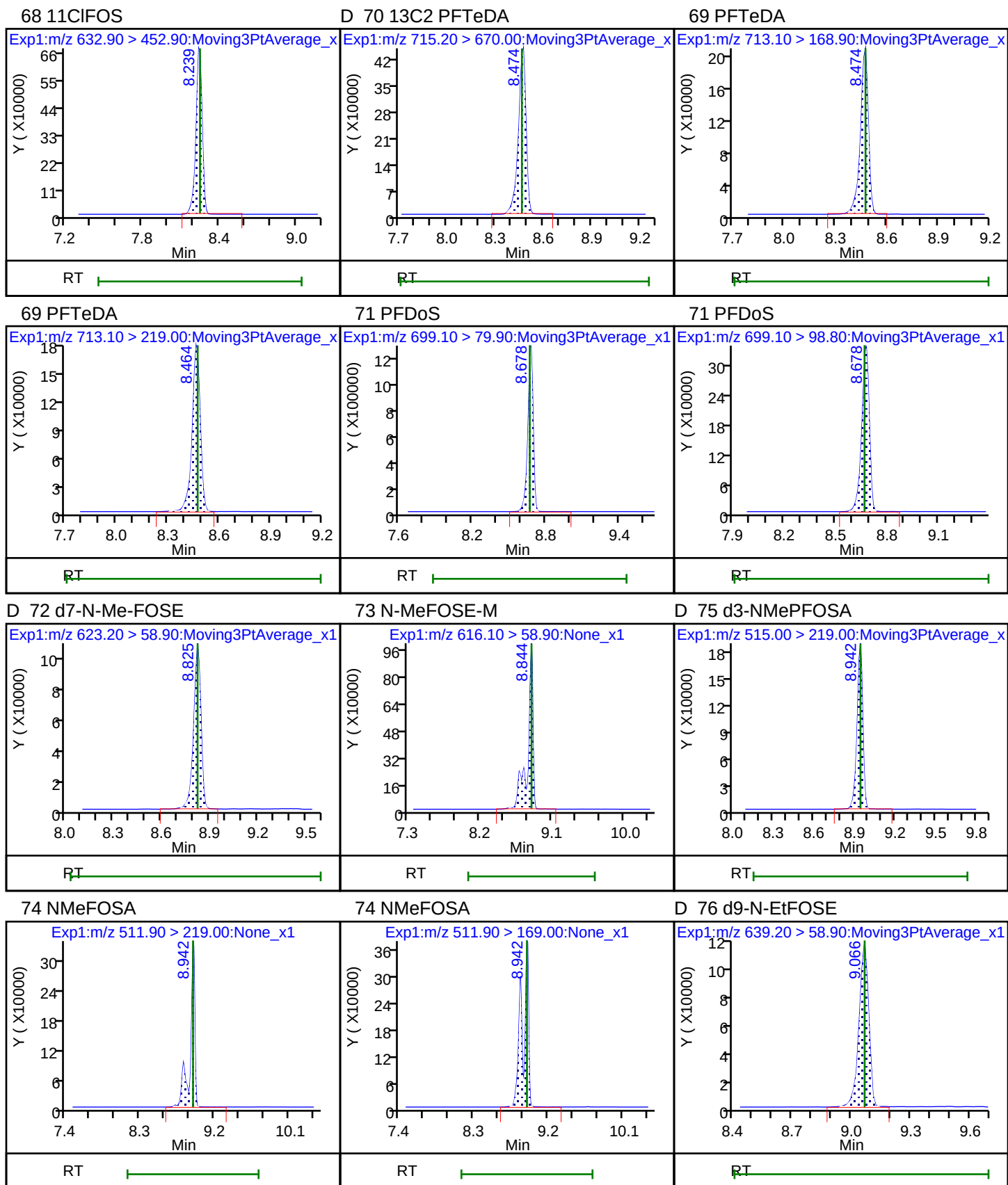


67 PFTTrDA

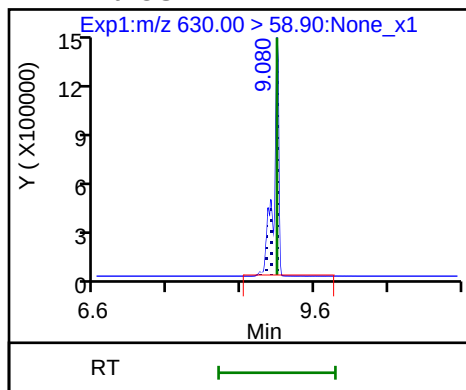


68 11CIFOS

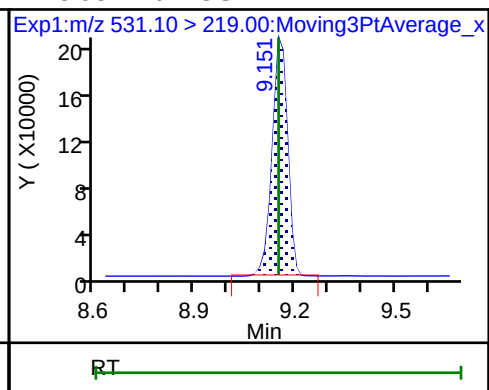




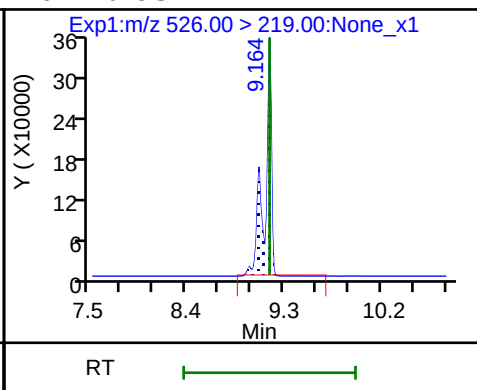
77 N-EtFOSE-M



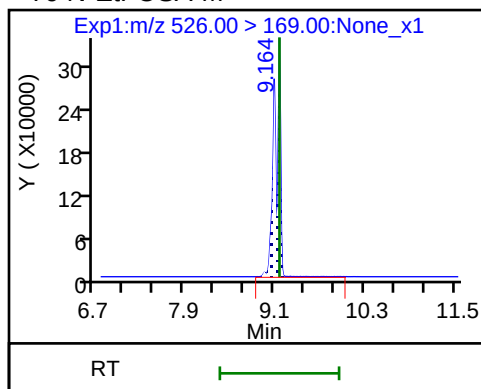
D 78 d5-NEtPFOSA



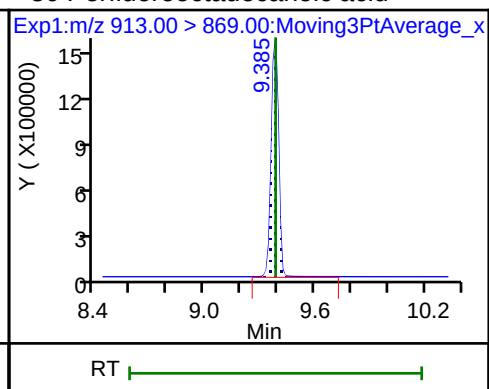
79 N-EtFOSA-M



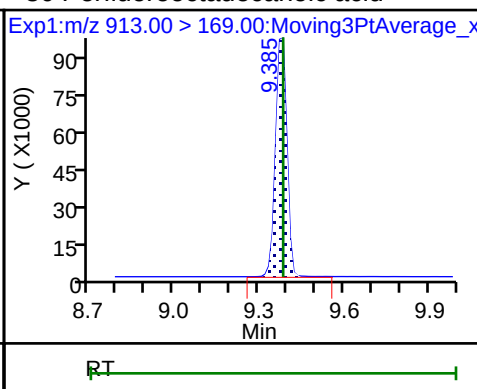
79 N-EtFOSA-M



80 Perfluorooctadecanoic acid



80 Perfluorooctadecanoic acid



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\25DEC03CAL-07.d
 Lims ID: IC CAL 7
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 03-Dec-2025 17:19:53 ALS Bottle#: 8 Worklist Smp#: 7
 Injection Vol: 7.0 ul Dil. Factor: 1.0000
 Sample Info: IC CAL 7
 Misc. Info.: Plate: 1 Rack: 1 410-0168744-007
 Operator ID: ETUS023_USR_INS00009 Instrument ID: 30577
 Sublist: chrom-30577-1633-125*sub7
 Method: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\30577-1633-125.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 03-Dec-2025 20:30:27 Calib Date: 03-Dec-2025 17:33:28
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\25DEC03CAL-08.d

Column 1 : Det: EXP1
 Process Host: CTX1687

First Level Reviewer: XBL5 Date: 03-Dec-2025 18:50:51

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	1.989	1.947	0.042	0.484	1002198	2.12		106	953	
2 Perfluoropropionic acid										
163.00 > 119.00	1.981	1.947	0.034	0.996	24002969	50.1		100	122918	
3 PFBA										
212.80 > 168.90	4.106	4.112	-0.006	1.000	14614153	20.3		101	53679	
D 4 13C4-PFBA										
216.80 > 171.90	4.106	4.112	-0.006	0.998	1554488	2.17		108	3862	
* 5 13C3PFBA										
216.00 > 172.00	4.112	4.118	-0.006		1366837	2.00			2966	
6 PFMPA										
229.00 > 84.90	4.458	4.466	-0.008	0.931	7632922	10.1		101	3686	
7 3:3 FTCA										
241.00 > 177.00	4.483	4.491	-0.008	0.936	726023	20.7	Target=1.07	104	2589	
241.00 > 117.00	4.475	4.491	-0.016	0.934	648787		1.12(0.54-1.61)	104	1773	
9 PFPA										
263.00 > 219.00	4.796	4.802	-0.006	1.002	9672087	10.0		100	3789	
D 8 13C5 PFPeA										
268.30 > 223.00	4.789	4.802	-0.013	0.912	956951	2.17		108	4247	
10 PFMBBA										
279.00 > 85.10	4.947	4.954	-0.007	1.033	9700513	9.79		97.9	6141	
12 4:2FTS										
327.10 > 307.00	5.065	5.074	-0.009	1.000	6224568	18.1	Target=1.69	96.5	7928	
327.10 > 80.90	5.065	5.074	-0.009	1.000	3825977		1.63(0.85-2.54)	96.5	3837	
D 11 13C2-4:2FTS										
329.10 > 80.90	5.065	5.074	-0.009	0.806	872358	4.94		105	5694	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.209	5.218	-0.009	0.992	2766734	9.58	Target=1.50	95.8	5078	
295.00 > 84.90	5.209	5.218	-0.009	0.992	1853680		1.49(0.75-2.25)	95.8	3344	
* 16 13C2 PFHxA										
315.10 > 270.00	5.253	5.260	-0.007		4085310	5.00			8572	
D 15 13C5 PFHxA										
318.00 > 273.00	5.253	5.260	-0.007	1.000	1970920	2.14		107	5467	
17 PFHxA										
313.00 > 269.00	5.253	5.260	-0.007	1.000	8560251	10.5	Target=10.04	105	9396	
313.00 > 118.90	5.253	5.260	-0.007	1.000	807509		10.60(5.02-15.06)	105	3222	
18 5:3 FTCA										
341.00 > 237.10	5.340	5.348	-0.008	1.017	5419283	53.9	Target=0.69	108	4016	
341.00 > 217.00	5.340	5.348	-0.008	1.017	7507113		0.72(0.35-1.04)	108	3075	
D 19 13C3 PFBS										
302.10 > 79.90	5.381	5.389	-0.008	0.856	2025932	2.12		114	7608	
20 PFBS										
298.70 > 79.90	5.381	5.389	-0.008	1.000	9827307	8.75	Target=2.81	98.5	12516	
298.70 > 98.80	5.381	5.389	-0.008	1.000	3366068		2.92(1.40-4.21)	98.5	8778	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.434	5.442	-0.008	1.035	1544934	2.20		110	4841	
23 HFPO-DA										
284.90 > 168.90	5.434	5.442	-0.008	1.000	5717460	7.15	Target=2.38	95.3	11072	
284.90 > 184.90	5.434	5.442	-0.008	1.000	2394741		2.39(1.19-3.57)	95.3	18611	
21 FBSA										
297.90 > 78.00	5.467	5.476	-0.009	1.016	8229974	10.7		107	2559	
26 PFEESA										
314.80 > 134.90	5.611	5.620	-0.009	1.068	25679907	8.78	Target=13.39	98.4	17305	
314.80 > 82.90	5.611	5.620	-0.009	1.068	1915938		13.40(6.69-20.08)	98.4	4669	
D 28 13C4 PFHpA										
367.10 > 322.00	5.674	5.672	0.002	1.080	2104361	2.17		109	5058	
27 PFHpA										
363.10 > 319.00	5.674	5.684	-0.010	1.000	8096468	10.3	Target=1.71	103	5672	
363.10 > 169.00	5.674	5.684	-0.010	1.000	4605736		1.76(0.86-2.57)	103	6308	
29 ADONA										
376.90 > 250.90	5.821	5.830	-0.009	1.071	22928882	8.88	Target=2.10	93.9	6307	
376.90 > 84.80	5.821	5.830	-0.009	1.071	11245233		2.04(1.05-3.15)	93.9	6500	
30 PFPeS										
349.10 > 79.90	5.855	5.865	-0.010	0.931	9511746	9.32	Target=3.08	99.2	12513	
349.10 > 98.90	5.855	5.865	-0.010	0.931	3089993		3.08(1.54-4.62)	99.2	8638	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.867	5.876	-0.009	0.933	677162	4.41		92.6	2439	
31 6:2FTS										
427.10 > 407.00	5.877	5.876	0.001	1.002	5075235	19.6	Target=1.60	103	1292	
427.10 > 80.90	5.877	5.876	0.001	1.002	3031843		1.67(0.80-2.40)	103	1075	
33 BTS										
280.00 > 147.00	6.014	6.014	0.0	0.956	23358020	9.90		101	17857	
* 34 13C4 PFOA										
417.10 > 372.00	6.076	6.084	-0.008		6367946	5.00			5842	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 35 13C8 PFOA										
421.10 > 376.00	6.076	6.084	-0.008	1.000	2837790	2.17		109	5588	
36 PFOA										
413.00 > 369.00	6.076	6.084	-0.008	1.000	8352569	10.2	Target=1.64	102	6422	
413.00 > 169.00	6.076	6.084	-0.008	1.000	4962177		1.68(0.82-2.46)	102	4855	
37 7:3 FTCA										
441.00 > 316.90	6.177	6.176	0.001	1.176	2829181	56.2	Target=0.27	112	3425	
441.00 > 336.90	6.177	6.176	0.001	1.176	9758617		0.29(0.14-0.41)	112	3545	
D 38 13C3 PFHxS										
402.10 > 79.90	6.288	6.297	-0.009	1.000	1644777	2.11		112	3499	
* 39 18O2 PFHxS										
403.00 > 83.90	6.288	6.297	-0.009		1472117	1.90			4366	
40 PFHxS										
398.70 > 79.90	6.297	6.306	-0.009	1.001	7597301	8.72	Target=3.19	95.7	12406	
398.70 > 98.90	6.297	6.306	-0.009	1.001	2414524		3.15(1.60-4.78)	95.7	3736	
* 42 13C5 PFNA										
468.00 > 423.00	6.471	6.479	-0.008		2063397	2.00			7290	
D 41 13C9 PFNA										
472.10 > 427.00	6.471	6.479	-0.008	1.000	2281354	2.26		113	7386	
43 PFNA										
463.00 > 419.00	6.471	6.479	-0.008	1.000	9583233	10.3	Target=1.91	103	8919	
463.00 > 219.00	6.471	6.479	-0.008	1.000	4750665		2.02(0.96-2.87)	103	4396	
D 44 13C2-8:2FTS										
529.10 > 80.90	6.656	6.666	-0.010	1.059	744834	5.19		108	2484	
45 8:2FTS										
527.10 > 507.00	6.645	6.666	-0.021	0.998	4729964	17.8	Target=1.66	92.6	8499	
527.10 > 80.80	6.656	6.666	-0.010	1.000	2837501		1.67(0.83-2.49)	92.6	3612	
46 PFECHS										
461.00 > 381.00	6.678	6.686	-0.008	1.062	2087939	9.95	Target=0.20	108	6500	
461.00 > 99.00	6.678	6.686	-0.008	1.062	10286639		0.20(0.10-0.30)	108	17948	
47 PFHpS										
449.00 > 79.90	6.718	6.725	-0.007	0.942	9643725	9.88	Target=3.28	104	10235	
449.00 > 98.80	6.718	6.725	-0.007	0.942	2808169		3.43(1.64-4.92)	104	5106	
D 49 d3-NMeFOSAA										
573.20 > 419.00	6.816	6.823	-0.007	0.956	1548522	5.46		109	3811	
50 NMeFOSAA										
570.10 > 419.00	6.825	6.833	-0.008	1.001	3155178	9.95	Target=1.60	99.5	5668	
570.10 > 483.00	6.816	6.833	-0.017	1.000	1930690		1.63(0.80-2.40)	99.5	2803	
D 52 13C6 PFDA										
519.10 > 474.10	6.874	6.881	-0.007	1.000	2334008	2.11		106	6231	
* 51 13C2 PFDA										
515.10 > 470.10	6.874	6.881	-0.007		2166067	2.00			5814	
53 PFDA										
512.90 > 469.00	6.874	6.881	-0.007	1.000	7614427	10.8	Target=2.79	108	6777	
512.90 > 219.00	6.874	6.881	-0.007	1.000	2439514		3.12(1.39-4.18)	108	5424	
48 FHxSA										
397.90 > 78.00	6.883	6.890	-0.007	1.095	11081507	10.3		103	5901	

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	6.997	7.005	-0.008	0.981	1424720	5.68		114	2119	
55 NEtFOSAA										
584.20 > 419.10	7.008	7.005	0.003	1.001	2387923	10.0	Target=1.35	99.9	3969	
584.20 > 526.00	7.008	7.005	0.003	1.001	1741790		1.37(0.67-2.02)	99.9	3957	
D 56 13C8 PFOS										
507.10 > 79.90	7.132	7.139	-0.007	1.000	1390126	2.04		107	2387	
58 PFOS										
498.90 > 79.90	7.132	7.139	-0.007	1.000	10064989	9.23	Target=4.17	99.3	14718	
498.90 > 98.80	7.132	7.139	-0.007	1.000	2536394		3.97(2.08-6.25)	99.3	4975	
* 57 13C4 PFOS										
502.80 > 79.90	7.132	7.139	-0.007		1300104	1.92			5904	
D 59 13C7 PFUnA										
570.00 > 525.10	7.275	7.283	-0.008	1.058	2529605	2.10		105	4127	
60 PFUnA										
563.10 > 519.00	7.275	7.283	-0.008	1.000	10254103	10.2	Target=5.71	102	12215	
563.10 > 269.10	7.275	7.283	-0.008	1.000	1723746		5.95(2.86-8.56)	102	5648	
61 9ClFOS										
530.80 > 351.00	7.441	7.451	-0.010	1.043	21314704	9.90	Target=3.03	106	11431	
532.80 > 353.00	7.441	7.451	-0.010	1.043	7167975		2.97(1.51-4.54)	106	14910	
62 PFNS										
548.80 > 79.90	7.535	7.544	-0.009	1.057	7316876	9.91	Target=3.29	103	11813	
548.80 > 98.80	7.535	7.544	-0.009	1.057	2231098		3.28(1.65-4.94)	103	12062	
63 PFDoA										
613.10 > 569.00	7.680	7.687	-0.007		8762898	10.6	Target=4.72	106	6125	
613.10 > 319.00	7.680	7.687	-0.007		1751514		5.00(2.36-7.08)	106	4085	
D 81 PFDoA										
615.10 > 570.00	7.671	7.687	-0.016	1.116	2253665	2.04		102	4142	
66 PFDS										
599.00 > 79.90	7.930	7.937	-0.007	1.112	8715817	10.1	Target=3.35	104	6242	
599.00 > 98.80	7.930	7.937	-0.007	1.112	2557972		3.41(1.67-5.02)	104	3666	
D 65 13C8 FOSA										
506.10 > 77.80	7.946	7.954	-0.008	1.114	1745881	2.19		110	5848	
64 PFOSA										
498.10 > 77.90	7.946	7.963	-0.017	1.000	8568506	10.3	Target=40.44	103	8905	
498.10 > 478.00	7.946	7.963	-0.017	1.000	214902		39.87(20.22-60.66)	103	367	
67 PFTrDA										
663.00 > 619.00	8.072	8.081	-0.009	0.955	12378101	9.74	Target=7.60	97.4	9287	
663.00 > 168.90	8.081	8.081	0.0	0.956	1679772		7.37(3.80-11.40)	97.4	5475	
68 11ClFOS										
630.90 > 450.90	8.240	8.250	-0.010	1.155	14065643	9.83	Target=3.14	104	15586	
632.90 > 452.90	8.240	8.250	-0.010	1.155	4668386		3.01(1.57-4.71)	104	8120	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.455	8.464	-0.009	1.230	1482031	2.15		108	5314	
69 PFTeDA										
713.10 > 168.90	8.455	8.474	-0.019	1.000	1310892	9.38	Target=1.10	93.8	5345	
713.10 > 219.00	8.455	8.474	-0.019	1.000	1162668		1.13(0.55-1.65)	93.8	2043	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
71 PFDoS										
699.10 > 79.90	8.668	8.668	0.0	1.215	7441389	10.3	Target=3.69	106	6266	
699.10 > 98.80	8.668	8.668	0.0	1.215	1999542		3.72(1.84-5.53)	106	7717	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.815	8.825	-0.010	1.236	324457	5.60		112	493	
73 N-MeFOSE-M										
616.10 > 58.90	8.834	8.844	-0.010	1.002	8885772	50.0		99.9	5192	
D 75 d3-NMePFOSA										
515.00 > 219.00	8.932	8.942	-0.010	1.252	524734	2.29		114	2475	
74 NMeFOSA										
511.90 > 219.00	8.942	8.942	0.0	1.001	2597827	9.96	Target=0.69	99.6	4104	
511.90 > 169.00	8.942	8.942	0.0	1.001	3644493		0.71(0.34-1.03)	99.6	2977	
D 76 d9-N-EtFOSE										
639.20 > 58.90	9.052	9.066	-0.014	1.269	374340	5.43		109	509	
77 N-EtFOSE-M										
630.00 > 58.90	9.080	9.080	0.0	1.003	12605084	50.2		100	44099	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.150	9.151	0.0	1.283	632762	2.28		114	2089	
79 N-EtFOSA-M										
526.00 > 219.00	9.164	9.164	0.0	1.001	2807938	9.70	Target=0.85	97.0	3741	
526.00 > 169.00	9.150	9.164	-0.014	1.000	3367837		0.83(0.43-1.28)	97.0	5849	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.372	9.385	-0.013	1.108	8484822	10.6	Target=16.54	106	32082	
913.00 > 169.00	9.372	9.385	-0.013	1.108	468827		18.10(8.27-24.81)	106	12529	

QC Flag Legend

Processing Flags

Reagents:

1633_125_CAL7_00036

Amount Added: 1.00

Units: mL

Data File: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\25DEC03CAL-07.d

Injection Date: 03-Dec-2025 17:19:53

Instrument ID: 30577

Lims ID: IC CAL 7

Client ID:

Operator ID: ETUS023_USR_INS00009

ALS Bottle#: 8

Worklist Smp#: 7

Injection Vol: 7.0 ul

Dil. Factor: 1.0000

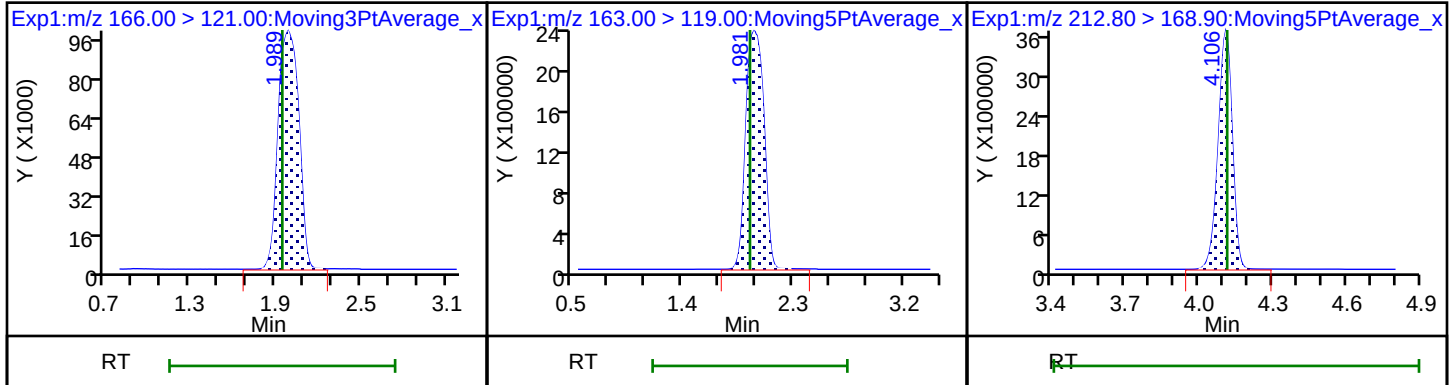
Method: 30577-1633-125

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid

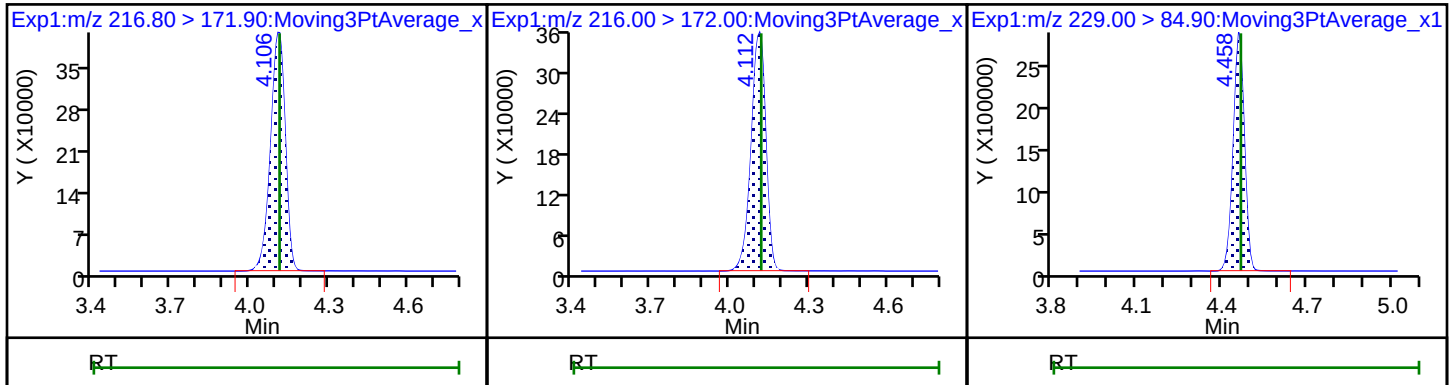
3 PFBA



D 4 13C4-PFBA

* 5 13C3PFBA

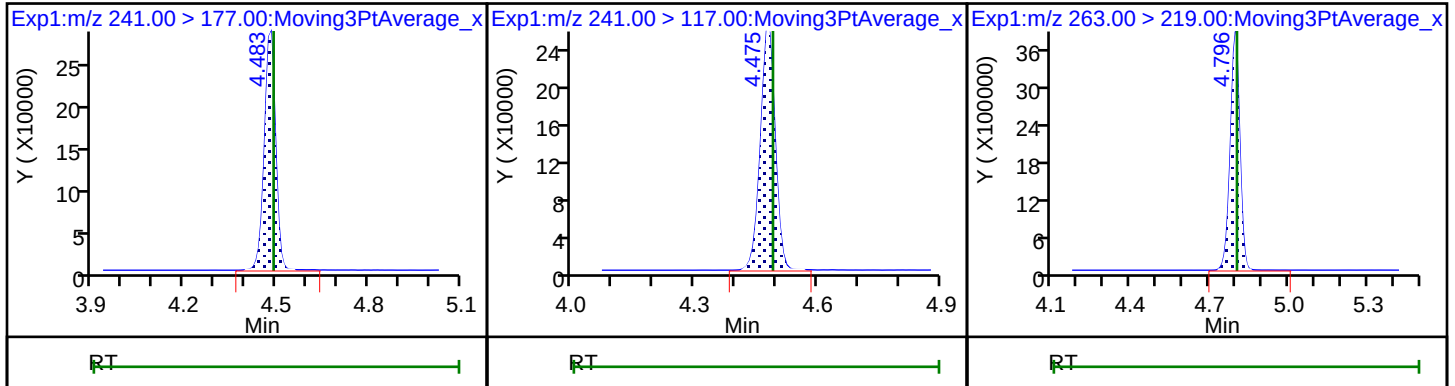
6 PFMPA



7 3:3 FTCA

7 3:3 FTCA

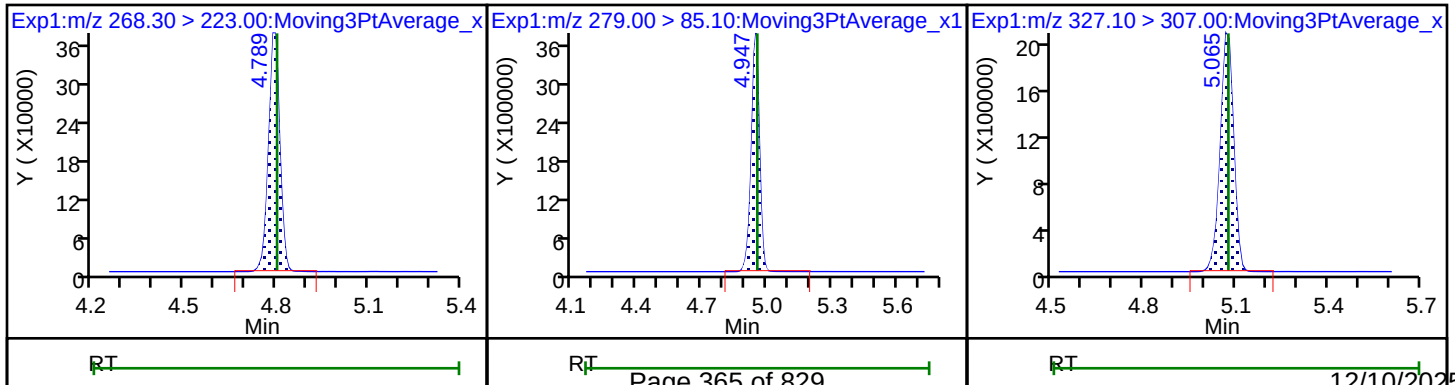
9 PFPA

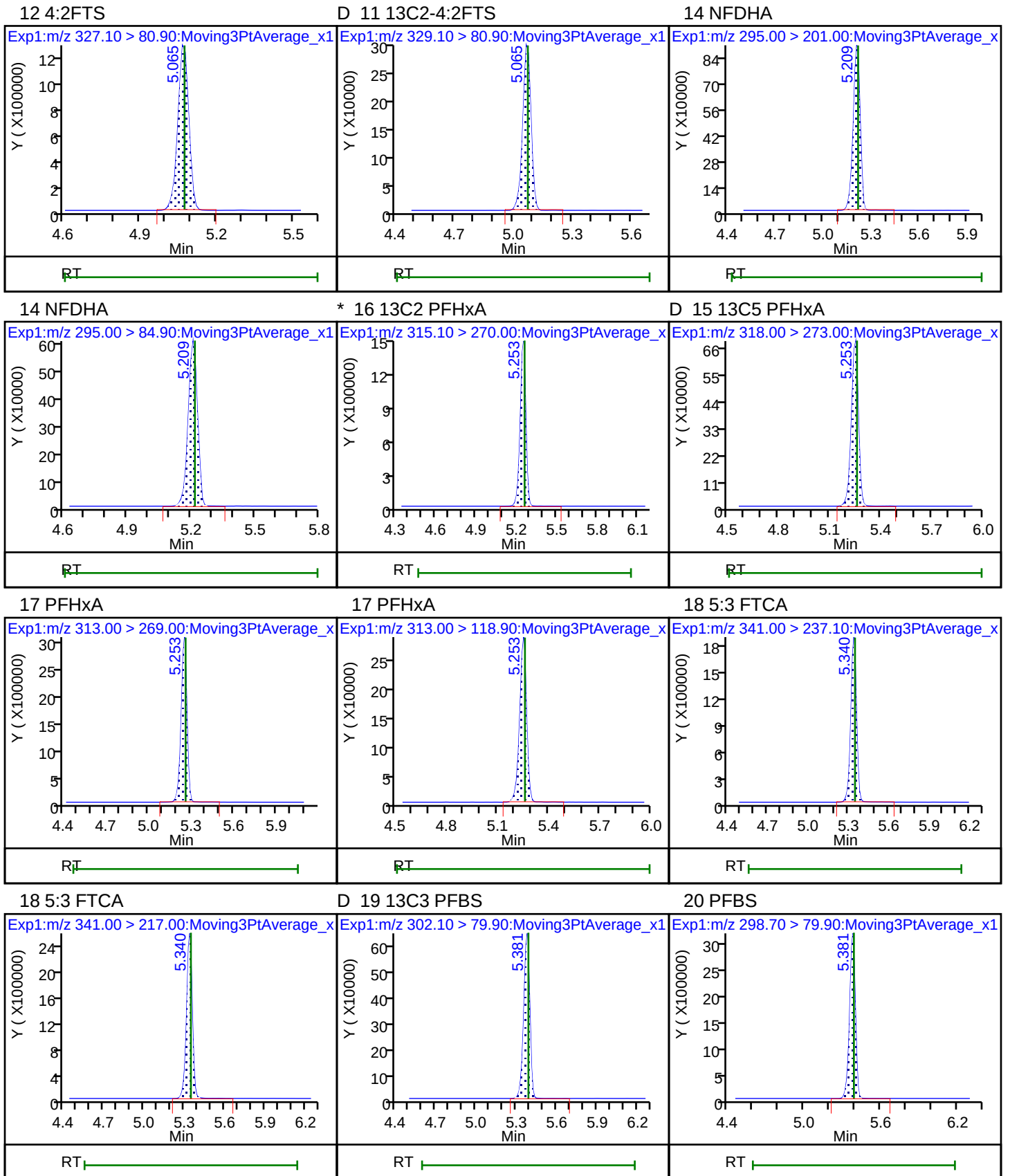


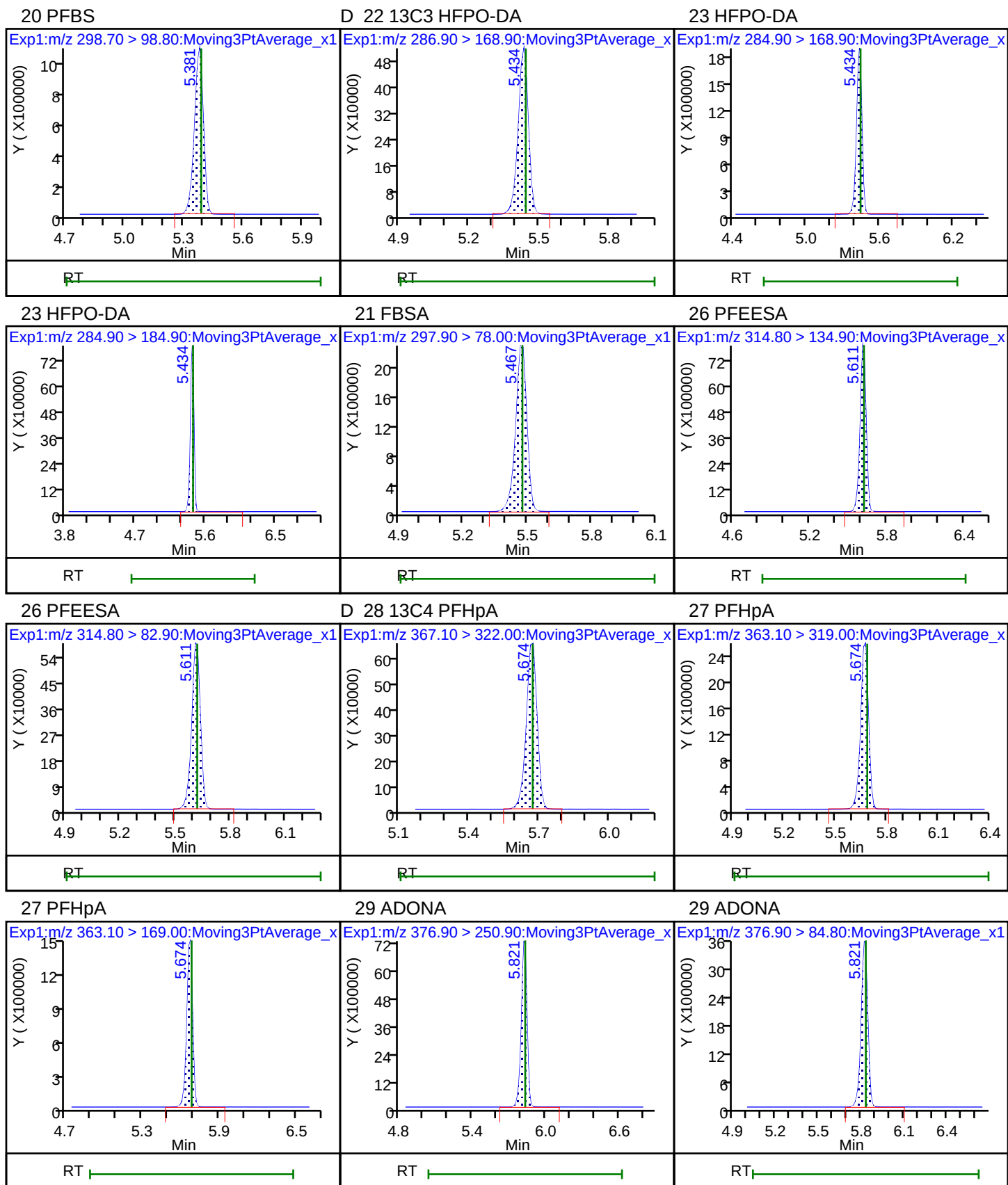
D 8 13C5 PFPeA

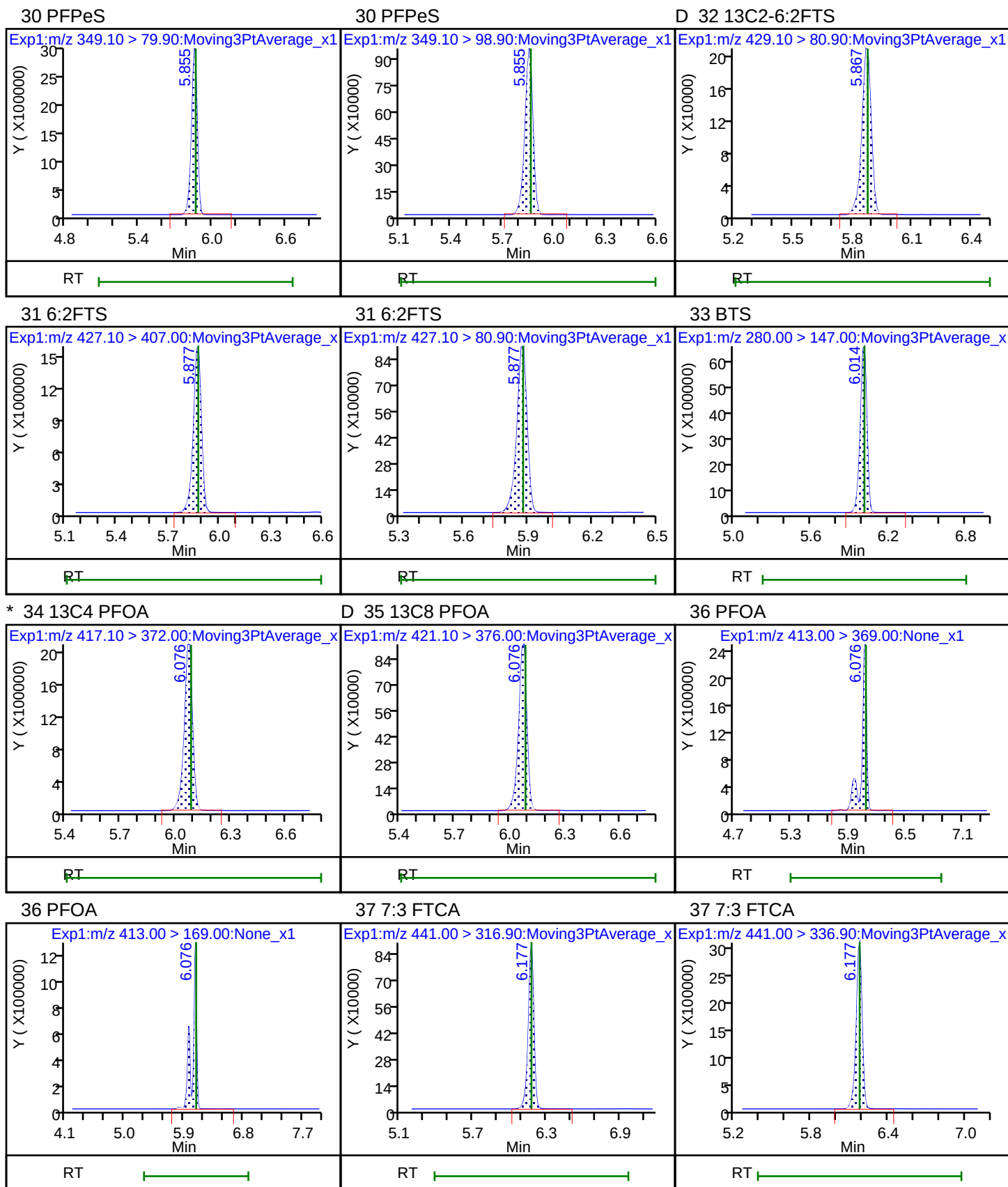
10 PFMBa

12 4:2FTS





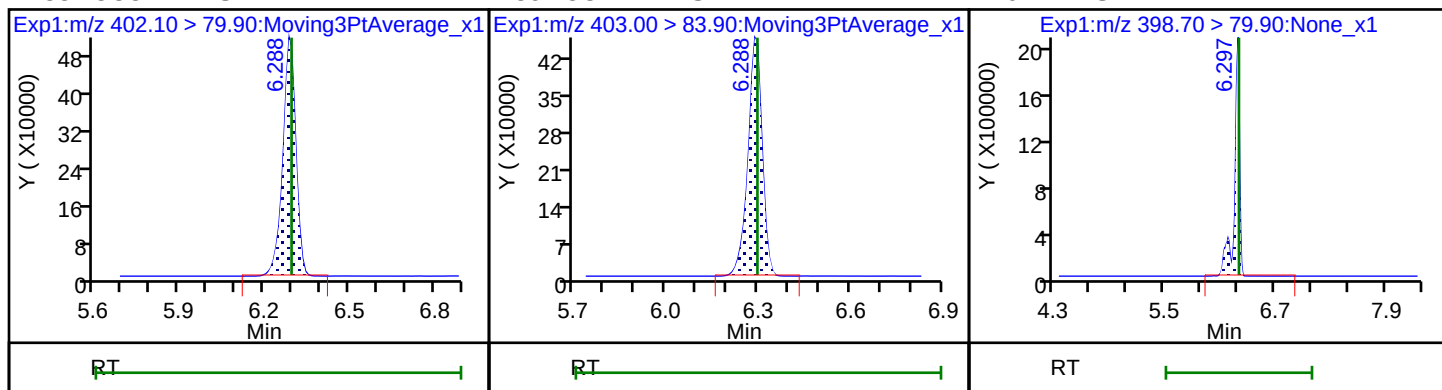




D 38 13C3 PFHxS

* 39 18O2 PFHxS

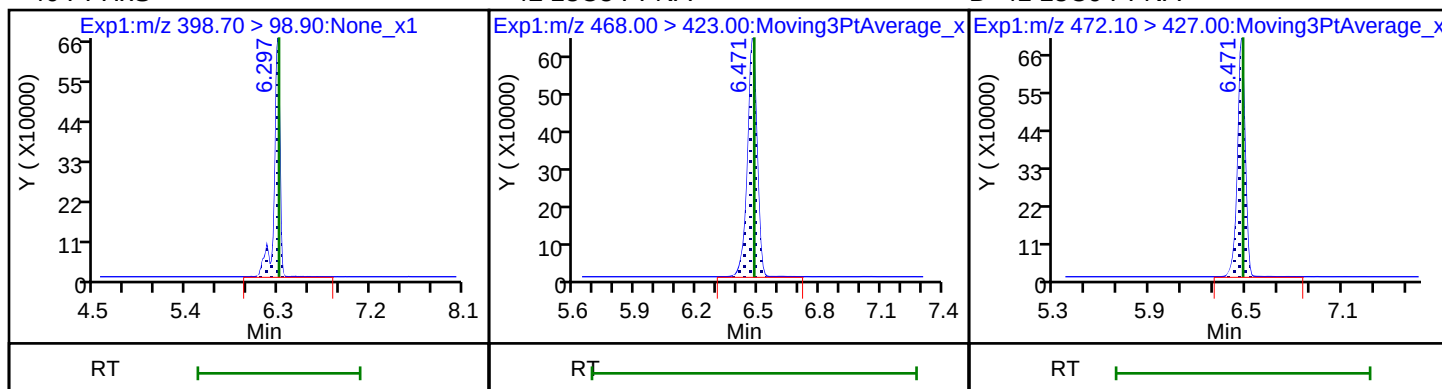
40 PFHxS



40 PFHxS

* 42 13C5 PFNA

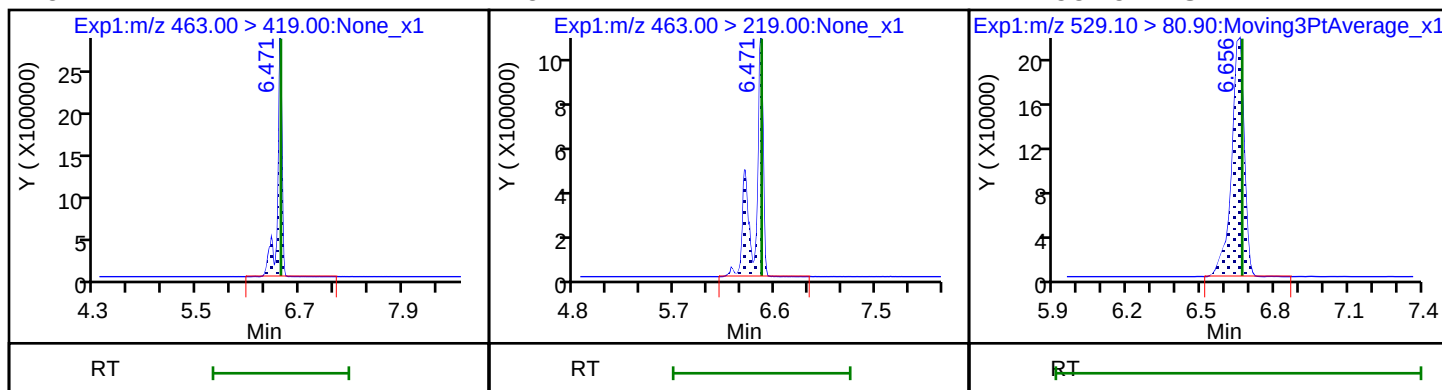
D 41 13C9 PFNA



43 PFNA

43 PFNA

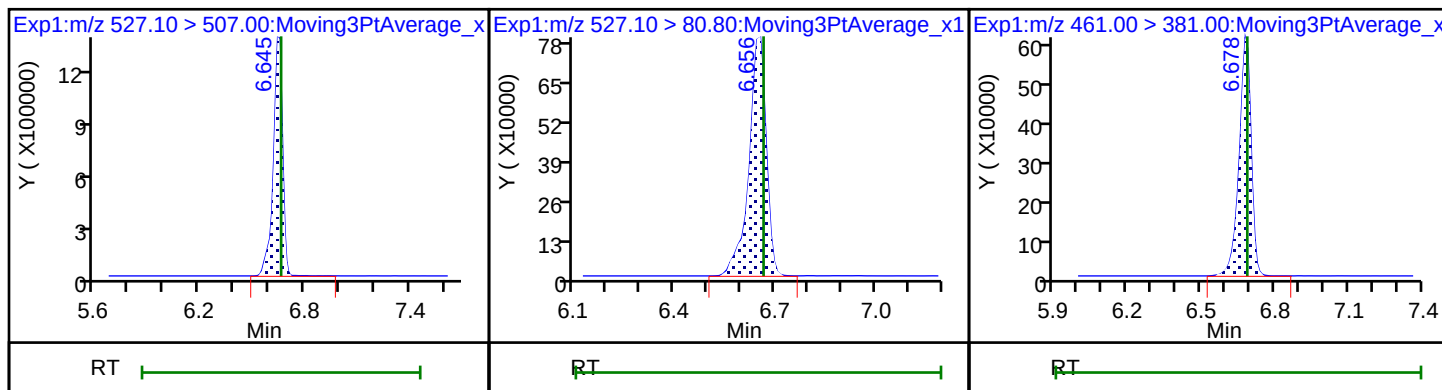
D 44 13C2-8:2FTS



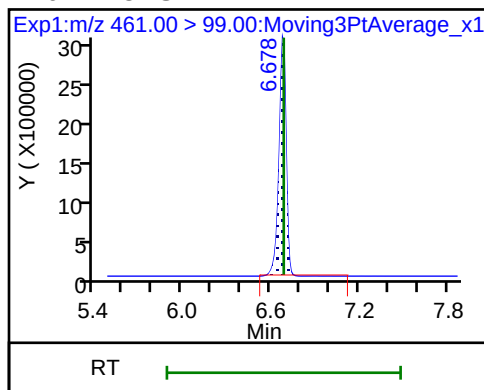
45 8:2FTS

45 8:2FTS

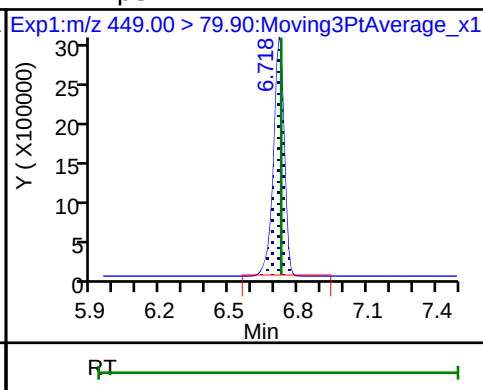
46 PFECHS



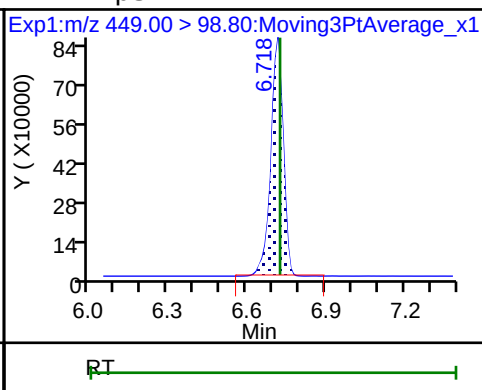
46 PFECHS



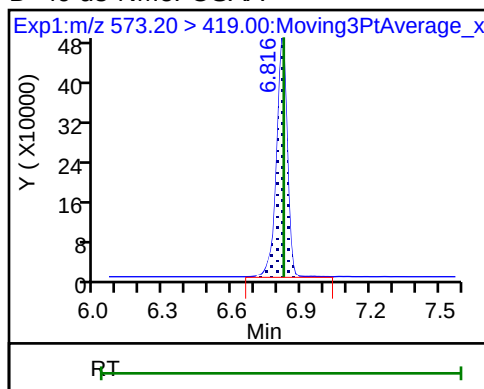
47 PFHpS



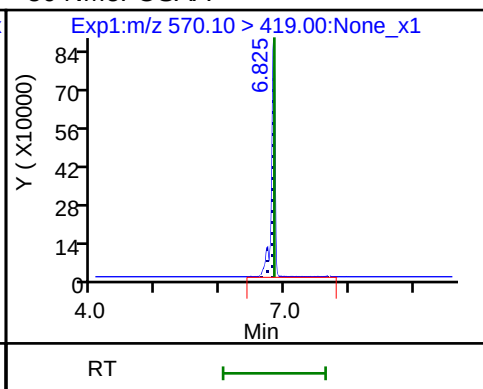
47 PFHpS



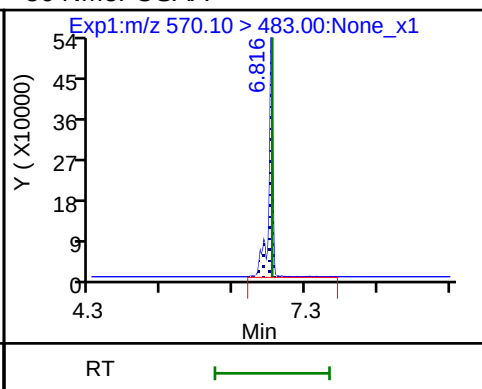
D 49 d3-NMeFOSAA



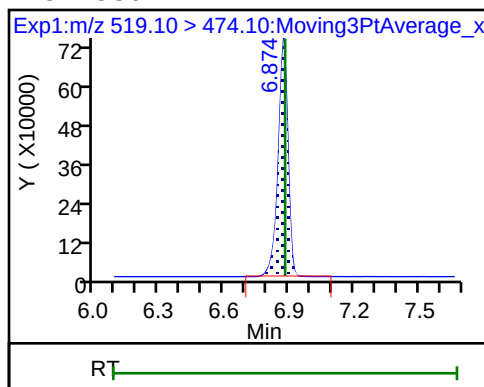
50 NMeFOSAA



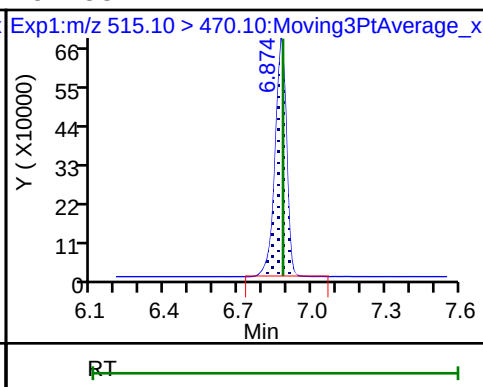
50 NMeFOSAA



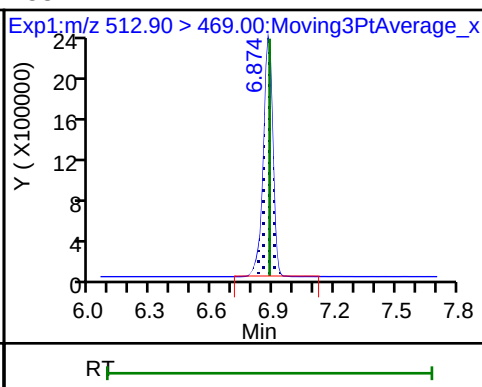
D 52 13C6 PFDA



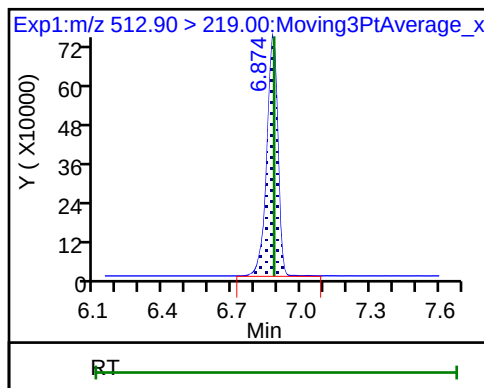
* 51 13C2 PFDA



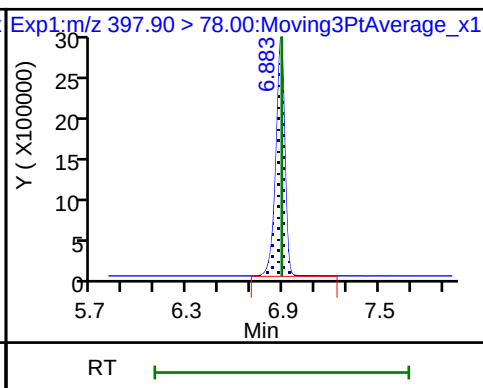
53 PFDA



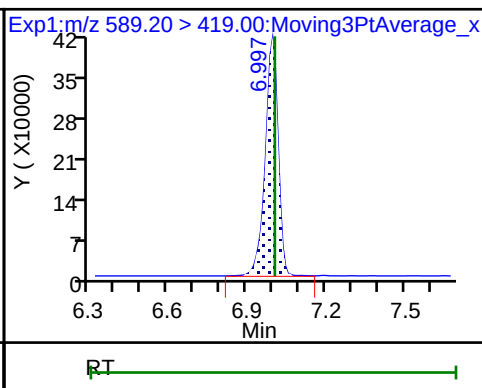
53 PFDA

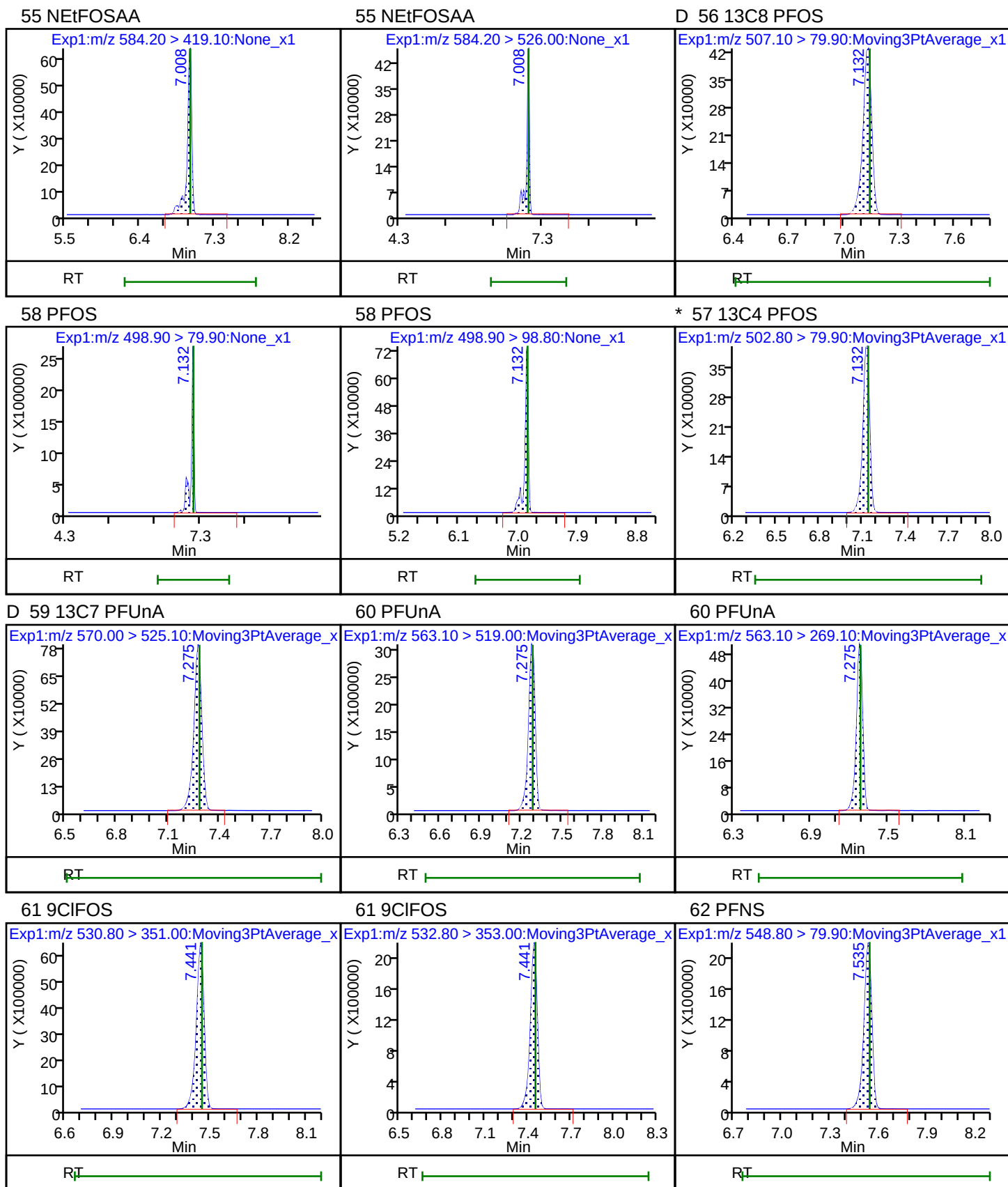


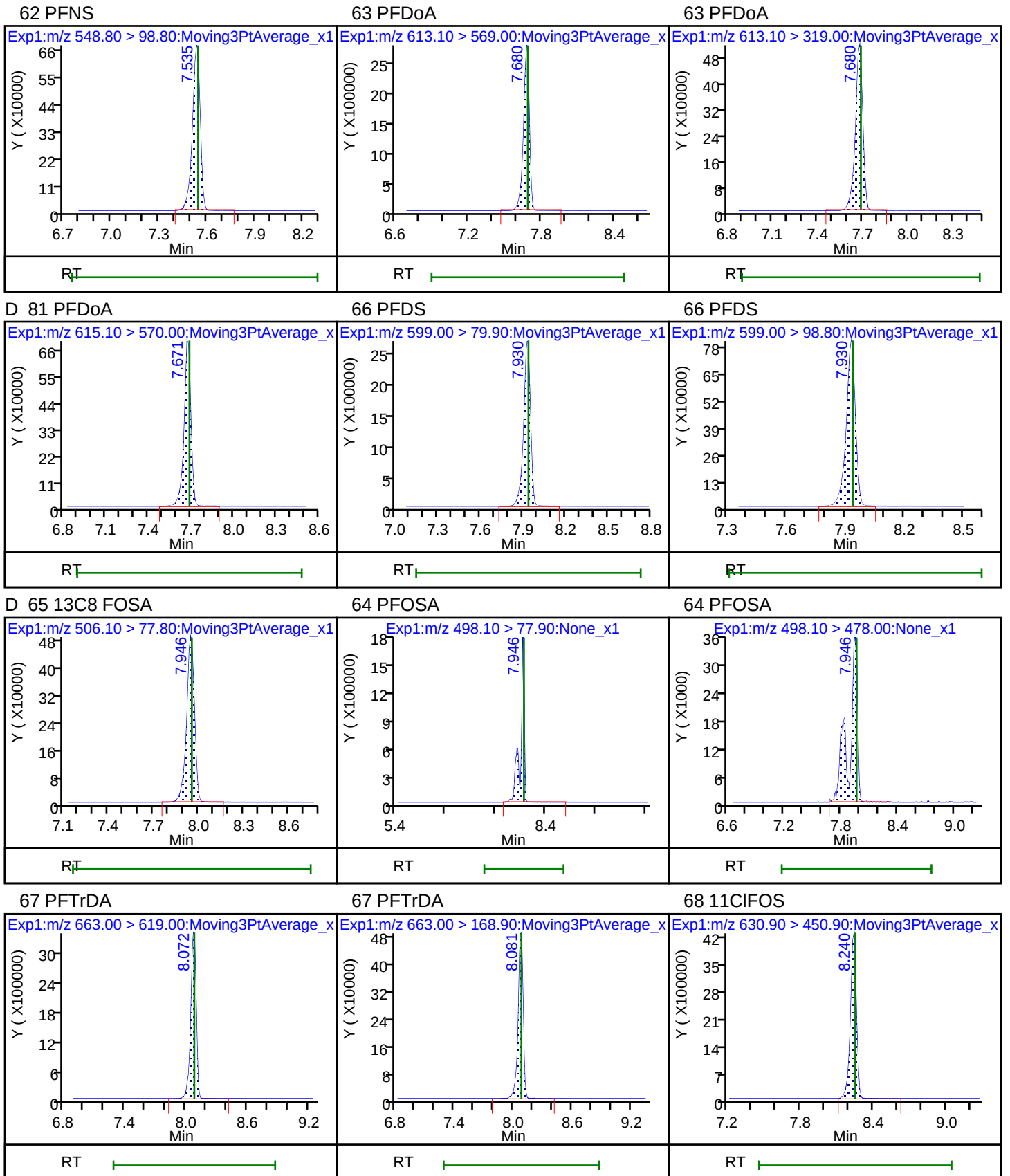
48 FHxSA

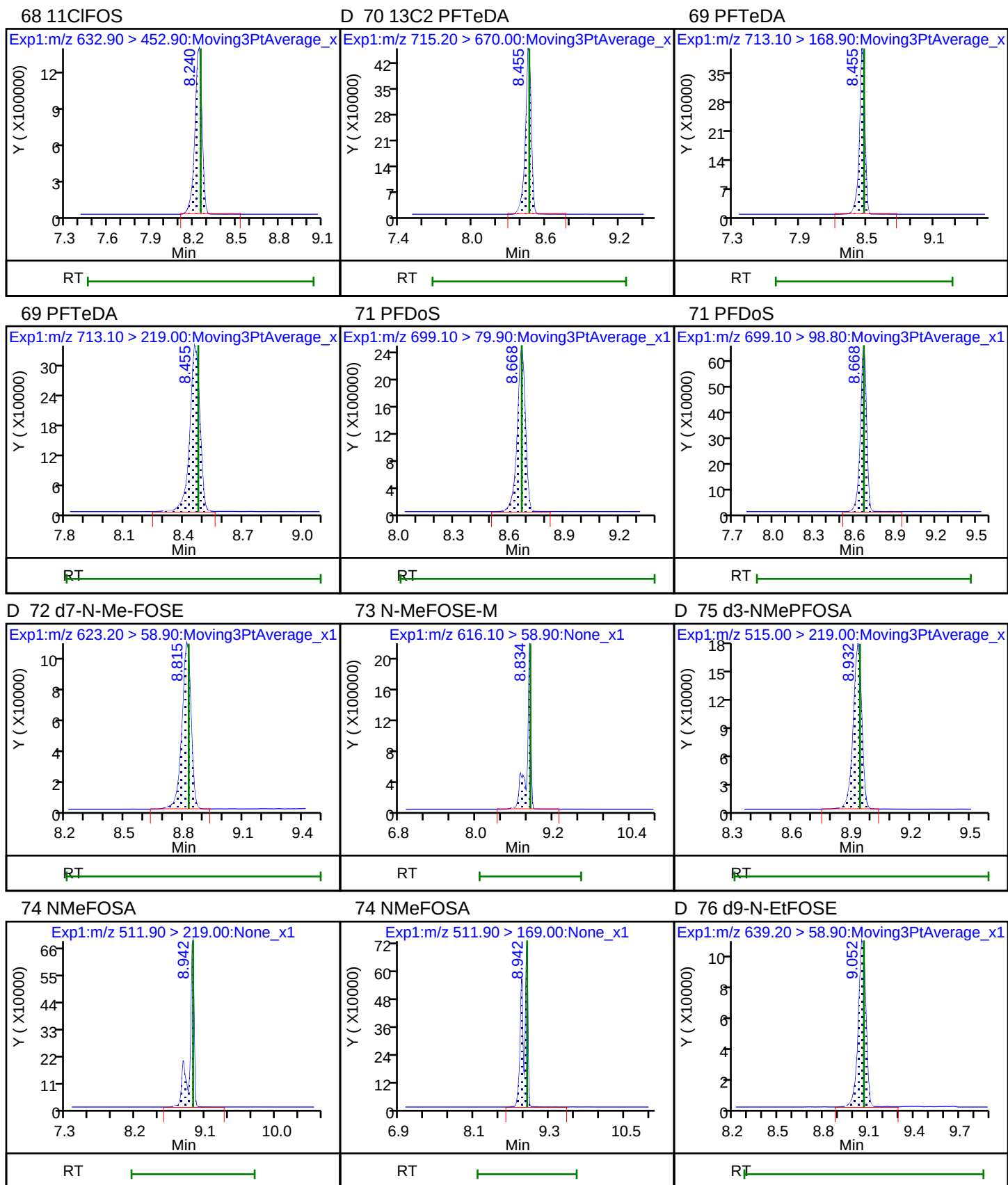


D 54 d5-NEtFOSAA

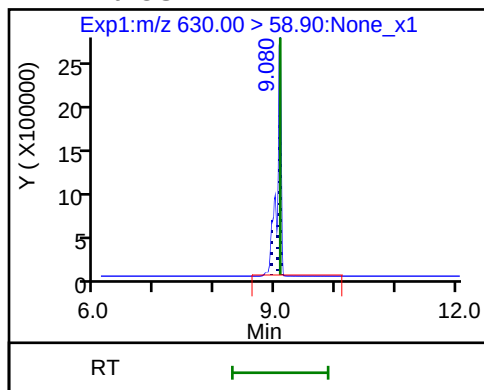




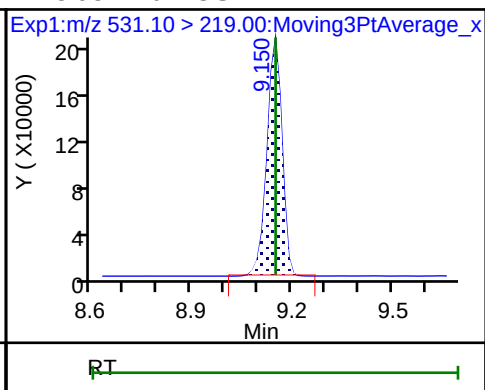




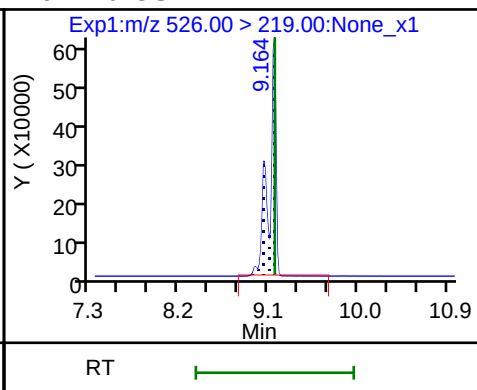
77 N-EtFOSE-M



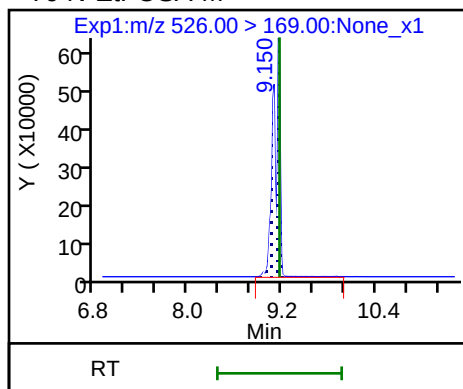
D 78 d5-NEtPFOSA



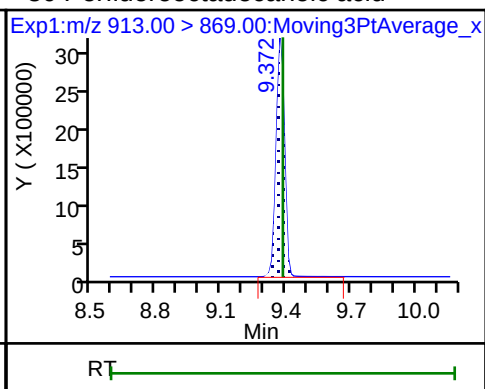
79 N-EtFOSA-M



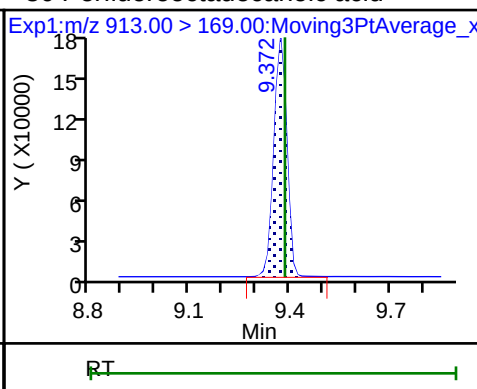
79 N-EtFOSA-M



80 Perfluorooctadecanoic acid



80 Perfluorooctadecanoic acid



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\25DEC03CAL-08.d
 Lims ID: IC CAL 8
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 03-Dec-2025 17:33:28 ALS Bottle#: 9 Worklist Smp#: 8
 Injection Vol: 7.0 ul Dil. Factor: 1.0000
 Sample Info: IC CAL 8
 Misc. Info.: Plate: 1 Rack: 1 410-0168744-008
 Operator ID: ETUS023_USR_INS00009 Instrument ID: 30577
 Sublist: chrom-30577-1633-125*sub7
 Method: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\30577-1633-125.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 03-Dec-2025 20:30:38 Calib Date: 03-Dec-2025 17:33:28
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\25DEC03CAL-08.d
 Column 1 : Det: EXP1
 Process Host: CTX1687

First Level Reviewer: XBL5

Date: 03-Dec-2025 18:51:21

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	1.996	1.947	0.049	0.485	1132929	2.90		145	1695	
3 PFBA										
212.80 > 168.90	4.112	4.112	0.0	0.998	52602010	96.6		96.6	159994	
D 4 13C4-PFBA										
216.80 > 171.90	4.119	4.112	0.007	1.000	1173505	1.98		99.1	2608	
* 5 13C3PFBA										
216.00 > 172.00	4.119	4.118	0.001		1127649	2.00			2238	
9 PFPA										
263.00 > 219.00	4.796	4.802	-0.006	1.000	38041040	47.3		94.6	5332	
D 8 13C5 PFPeA										
268.30 > 223.00	4.796	4.802	-0.006	0.913	796188	1.96		97.8	3070	
D 11 13C2-4:2FTS										
329.10 > 80.90	5.065	5.074	-0.009	0.806	990110	6.19		132	4795	
* 16 13C2 PFHxA										
315.10 > 270.00	5.253	5.260	-0.007		3763319	5.00			5503	
D 15 13C5 PFHxA										
318.00 > 273.00	5.253	5.260	-0.007	1.000	1672153	1.97		98.4	4448	
17 PFHxA										
313.00 > 269.00	5.253	5.260	-0.007	1.000	33145135	47.7	Target=10.04	95.5	6719	
313.00 > 118.90	5.253	5.260	-0.007	1.000	3312339		10.01(5.02-15.06)	95.5	8428	
D 19 13C3 PFBS										
302.10 > 79.90	5.381	5.389	-0.008	0.856	1517977	1.76		94.2	5126	
20 PFBS										
298.70 > 79.90	5.381	5.389	-0.008	1.000	34225781	40.7	Target=2.81	91.6	12020	
298.70 > 98.80	5.381	5.389	-0.008	1.000	12219451		2.80(1.40-4.21)	91.6	7548	

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	5.423	5.442	-0.019	1.033	1360365	2.10		105	6375	
23 HFPO-DA										
284.90 > 168.90	5.434	5.442	-0.008	1.002	31498930	44.7	Target=2.38	89.4	5162	
284.90 > 184.90	5.434	5.442	-0.008	1.002	13804673		2.28(1.19-3.57)	89.4	97382	
D 28 13C4 PFHpA										
367.10 > 322.00	5.663	5.672	-0.009	1.078	1716430	1.92		96.1	4687	
27 PFHpA										
363.10 > 319.00	5.674	5.684	-0.010	1.002	34157476	53.4	Target=1.71	107	7737	
363.10 > 169.00	5.674	5.684	-0.010	1.002	17415840		1.96(0.86-2.57)	107	5646	
29 ADONA										
376.90 > 250.90	5.821	5.830	-0.009	1.073	67584123	29.7	Target=2.10	83.8	5247	
376.90 > 84.80	5.821	5.830	-0.009	1.073	33473969		2.02(1.05-3.15)	83.8	7342	
30 PFPeS										
349.10 > 79.90	5.855	5.865	-0.010	0.931	34947687	43.2	Target=3.08	91.9	9724	
349.10 > 98.90	5.855	5.865	-0.010	0.931	11247791		3.11(1.54-4.62)	91.9	9333	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.878	5.876	0.002	0.935	503996	3.63		76.2	1897	
* 34 13C4 PFOA										
417.10 > 372.00	6.067	6.084	-0.017		5950509	5.00			5054	
D 35 13C8 PFOA										
421.10 > 376.00	6.067	6.084	-0.017	1.000	2437068	1.99		99.7	5088	
36 PFOA										
413.00 > 369.00	6.067	6.084	-0.017	1.000	37014583	52.8	Target=1.64	106	8663	
413.00 > 169.00	6.067	6.084	-0.017	1.000	21623899		1.71(0.82-2.46)	106	8497	
D 38 13C3 PFHxS										
402.10 > 79.90	6.288	6.297	-0.009	1.000	1304171	1.85		97.7	3732	
* 39 18O2 PFHxS										
403.00 > 83.90	6.288	6.297	-0.009		1332511	1.90			2910	
40 PFHxS										
398.70 > 79.90	6.298	6.306	-0.008	1.001	29912147	43.3	Target=3.19	95.0	21200	
398.70 > 98.90	6.298	6.306	-0.008	1.001	9437493		3.17(1.60-4.78)	95.0	12621	
43 PFNA										
463.00 > 419.00	6.471	6.479	-0.008	1.000	37792711	47.2	Target=1.91	94.3	39807	
463.00 > 219.00	6.471	6.479	-0.008	1.000	19782828		1.91(0.96-2.87)	94.3	7525	
* 42 13C5 PFNA										
468.00 > 423.00	6.471	6.479	-0.008		2048058	2.00			5200	
D 41 13C9 PFNA										
472.10 > 427.00	6.471	6.479	-0.008	1.000	1972086	1.97		98.3	5242	
D 44 13C2-8:2FTS										
529.10 > 80.90	6.645	6.666	-0.021	1.057	745083	5.73		119	1884	
47 PFHpS										
449.00 > 79.90	6.718	6.725	-0.007	0.942	35859990	45.1	Target=3.28	94.6	9711	
449.00 > 98.80	6.718	6.725	-0.007	0.942	10747403		3.34(1.64-4.92)	94.6	9823	
D 49 d3-NMeFOSAA										
573.20 > 419.00	6.816	6.823	-0.007	0.956	1548974	6.24		125	4187	
* 51 13C2 PFDA										
515.10 > 470.10	6.874	6.881	-0.007		2347542	2.00			6141	

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	6.874	6.881	-0.007	1.000	2461805	2.06		103	5600	
D 54 d5-NEtFOSAA 589.20 > 419.00	6.998	7.005	-0.007	0.981	1248791	5.69		114	2455	
D 56 13C8 PFOS 507.10 > 79.90	7.132	7.139	-0.007	1.000	1132004	1.90		99.0	1746	
58 PFOS 498.90 > 79.90	7.132	7.139	-0.007	1.000	40259155	45.3	Target=4.17	97.5	31147	
498.90 > 98.80	7.132	7.139	-0.007	1.000	9767844		4.12(2.08-6.25)	97.5	16113	
* 57 13C4 PFOS 502.80 > 79.90	7.132	7.139	-0.007		1138666	1.92			3503	
D 59 13C7 PFUnA 570.00 > 525.10	7.275	7.283	-0.008	1.058	2649633	2.03		101	4795	
D 81 PFDaA 615.10 > 570.00	7.680	7.687	-0.007	1.117	2406279	2.01		100	4242	
D 65 13C8 FOSA 506.10 > 77.80	7.948	7.954	-0.006	1.114	1829031	2.62		131	4758	
D 70 13C2 PFTeDA 715.20 > 670.00	8.457	8.464	-0.007	1.230	1555655	2.09		104	4861	
D 72 d7-N-Me-FOSE 623.20 > 58.90	8.817	8.825	-0.008	1.236	331501	6.53		131	590	
D 75 d3-NMePFOSA 515.00 > 219.00	8.934	8.942	-0.008	1.253	501576	2.50		125	2680	
D 76 d9-N-EtFOSE 639.20 > 58.90	9.053	9.066	-0.013	1.269	372696	6.17		123	527	
D 78 d5-NEtPFOSA 531.10 > 219.00	9.152	9.151	0.002	1.283	620699	2.55		128	2699	

QC Flag Legend

Processing Flags

Reagents:

1633_125_CAL8_00032

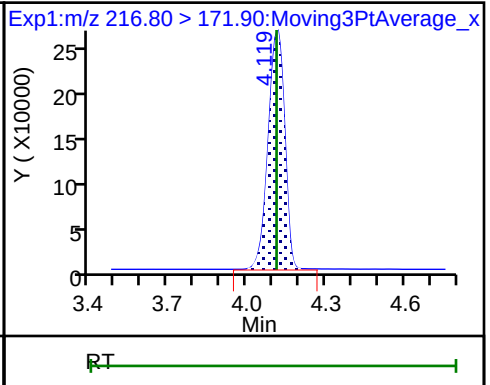
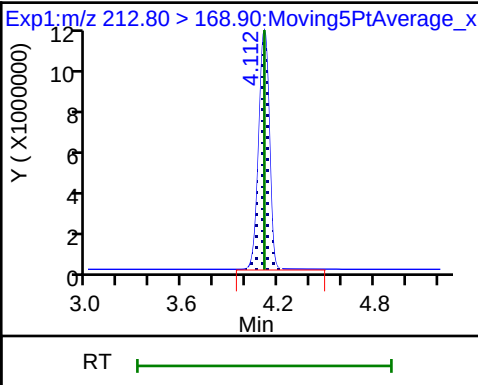
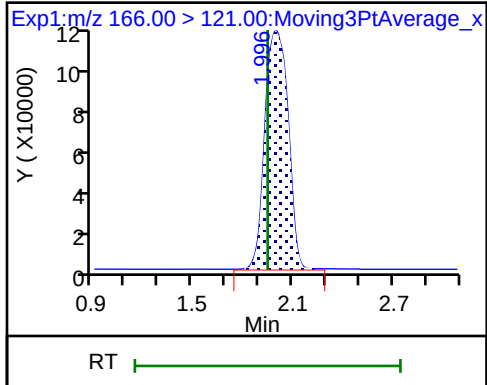
Amount Added: 1.00

Units: mL

D 1 13C3PFPrA

3 PFBA

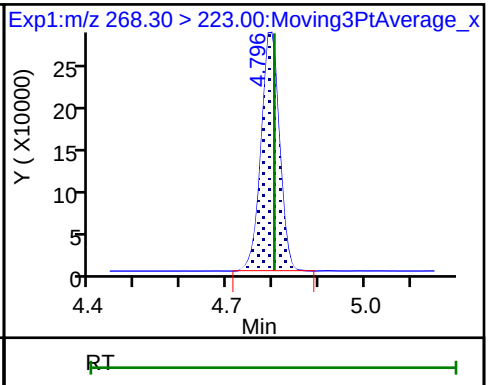
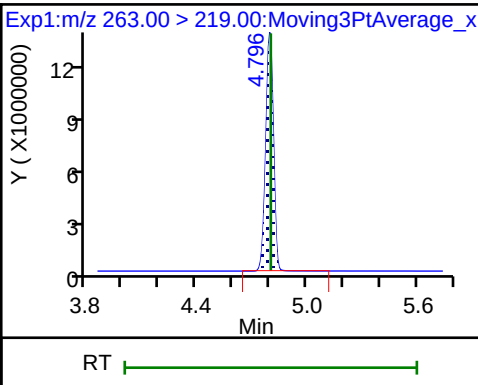
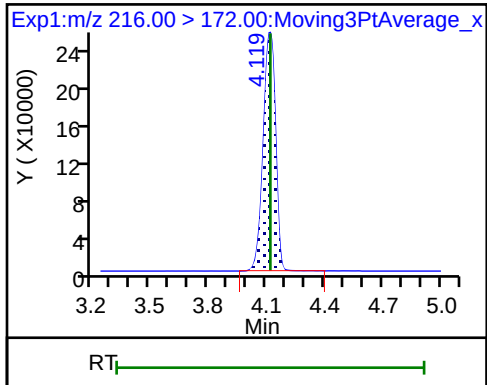
D 4 13C4-PFBA



* 5 13C3PFBA

9 PFPA

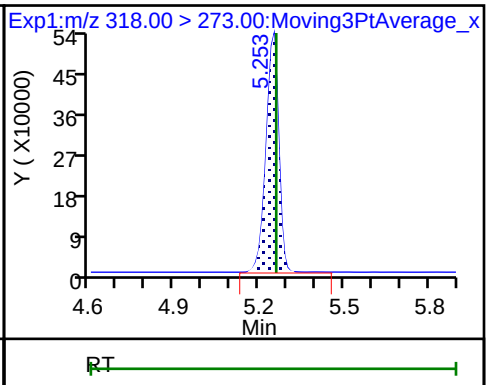
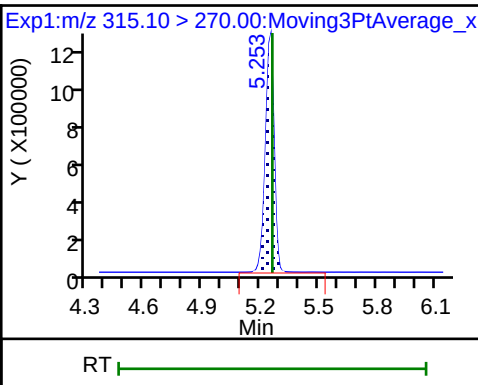
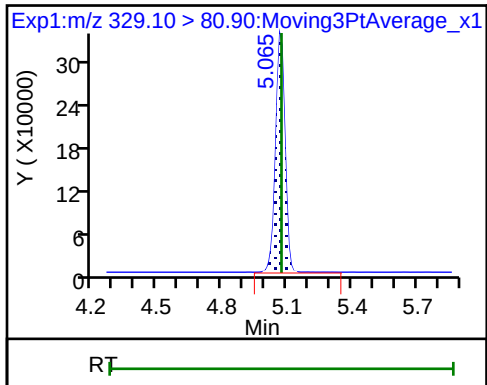
D 8 13C5 PFPeA



D 11 13C2-4:2FTS

* 16 13C2 PFHxA

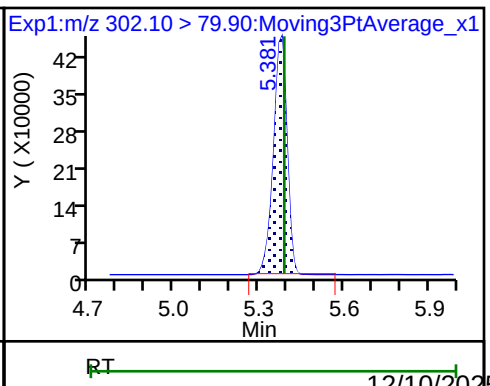
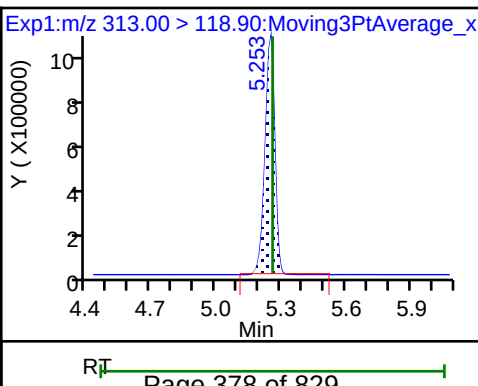
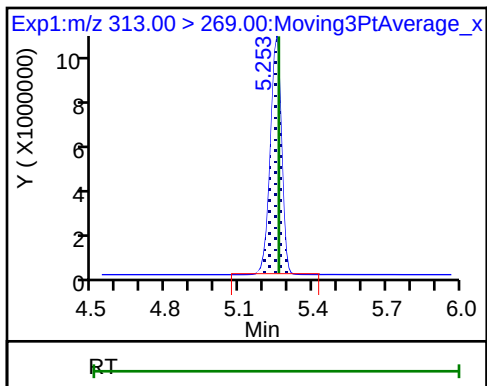
D 15 13C5 PFHxA

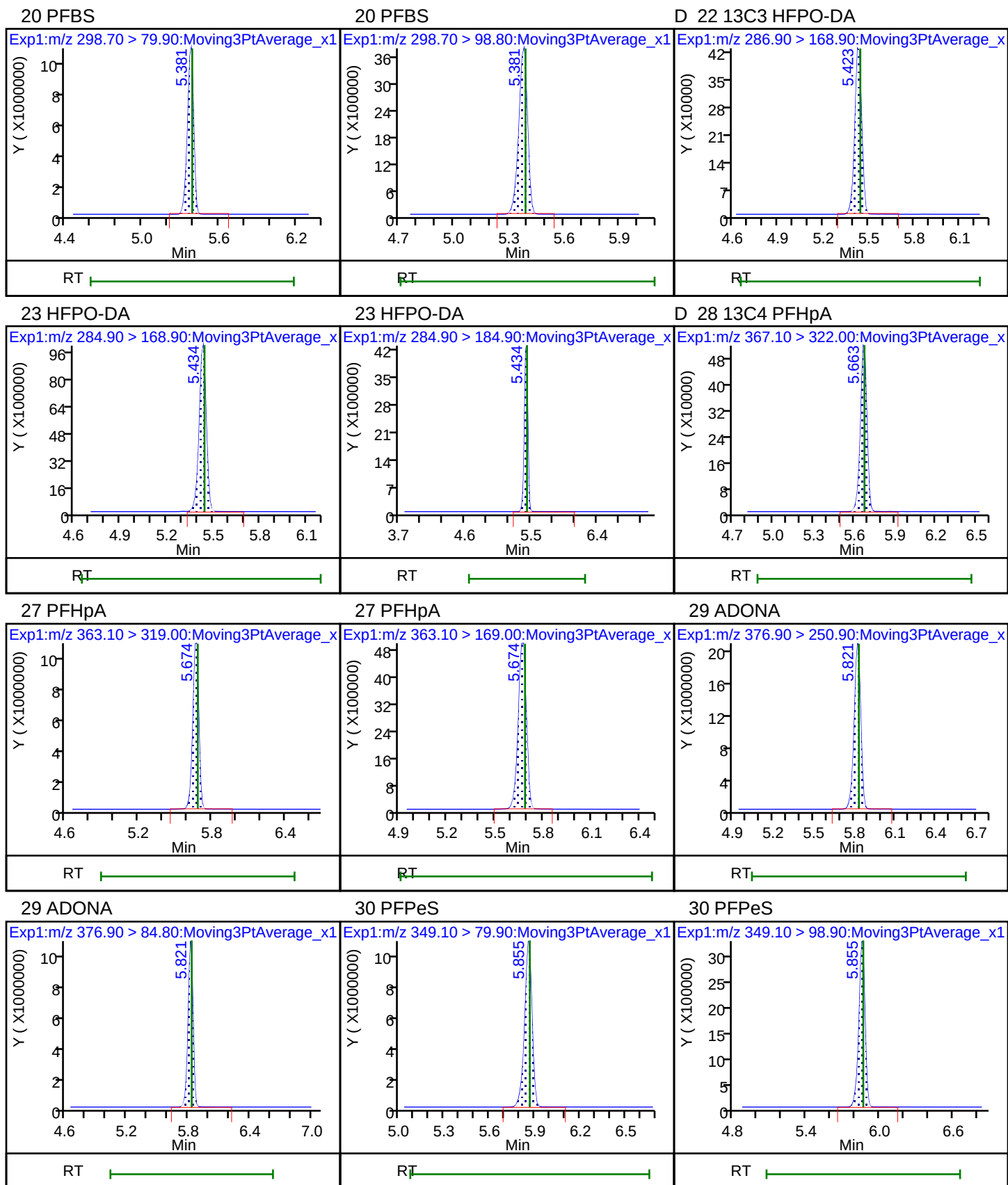


17 PFHxA

17 PFHxA

D 19 13C3 PFBS

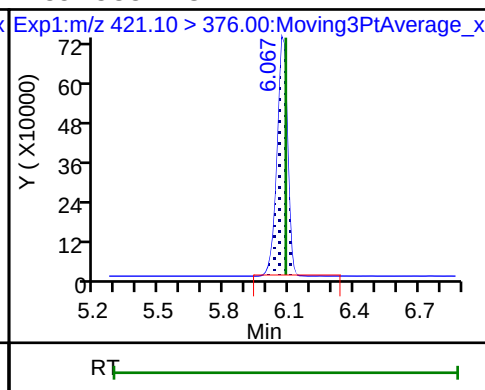
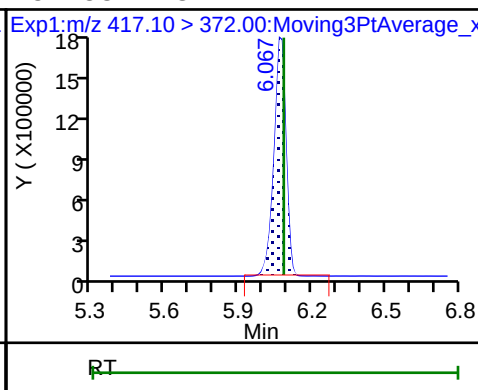
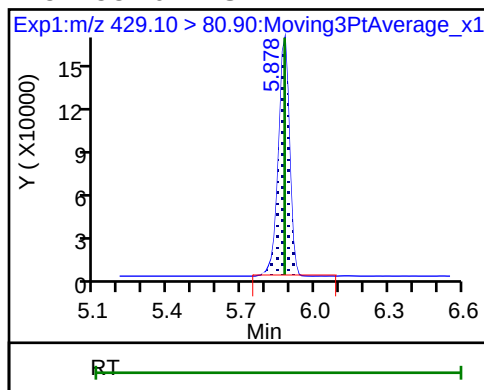




D 32 13C2-6:2FTS

* 34 13C4 PFOA

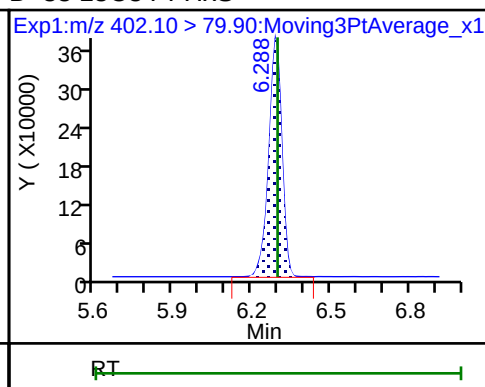
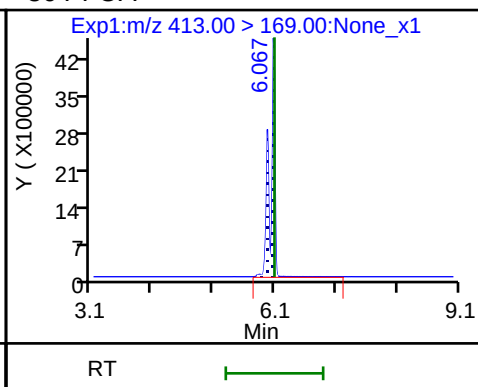
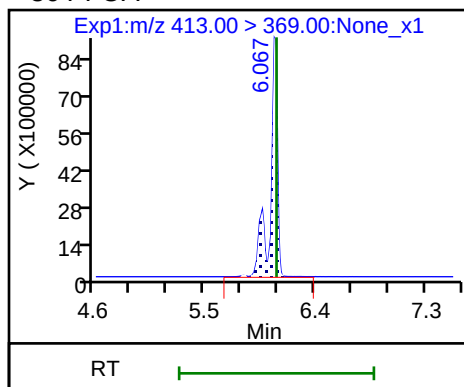
D 35 13C8 PFOA



36 PFOA

36 PFOA

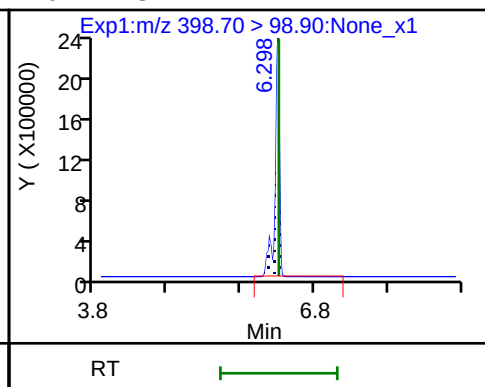
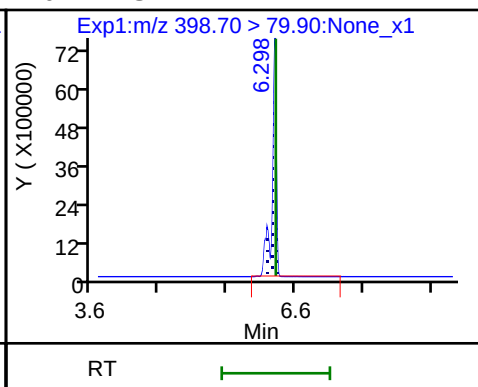
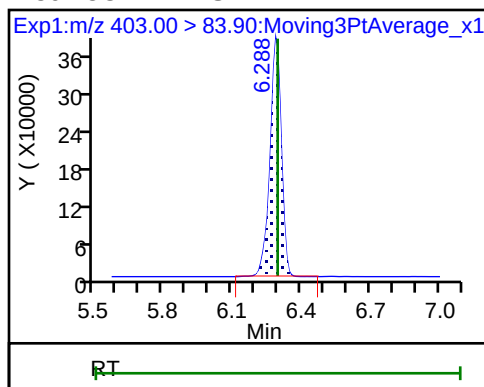
D 38 13C3 PFHxS



* 39 18O2 PFHxS

40 PFHxS

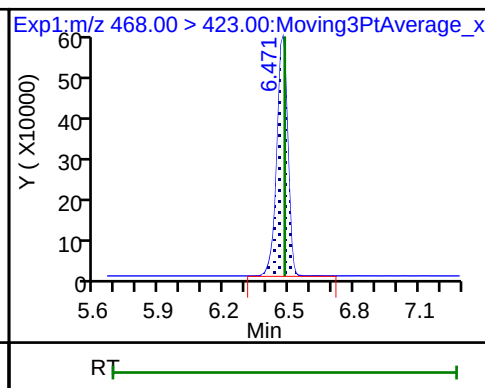
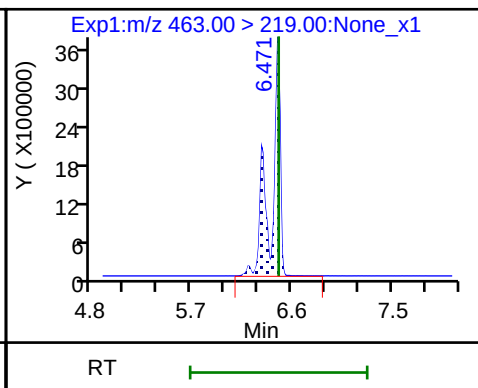
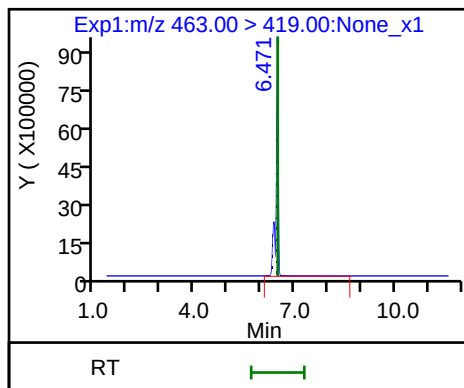
40 PFHxS



43 PFNA

43 PFNA

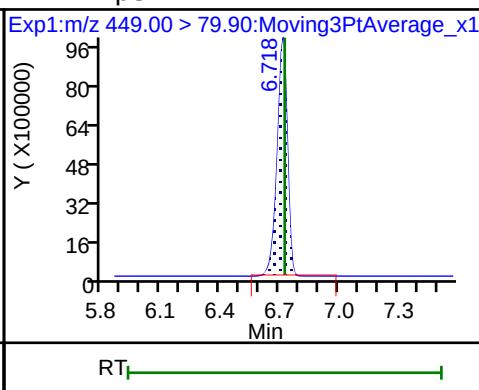
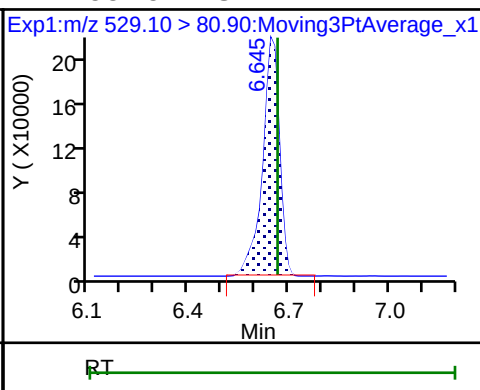
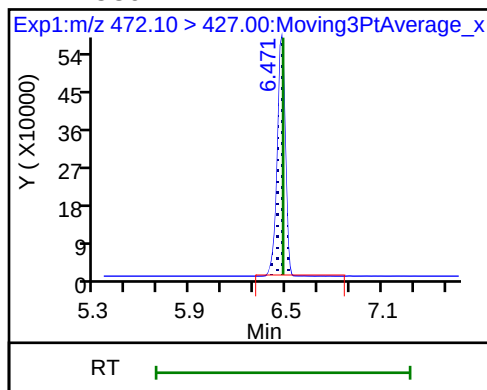
* 42 13C5 PFNA



D 41 13C9 PFNA

D 44 13C2-8:2FTS

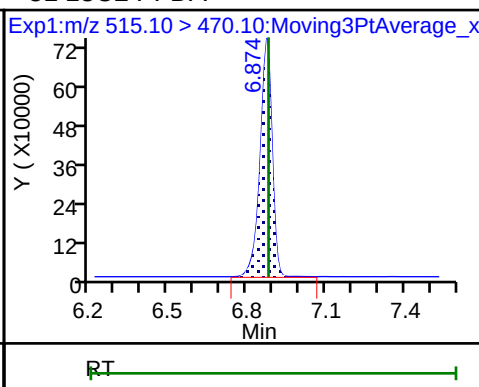
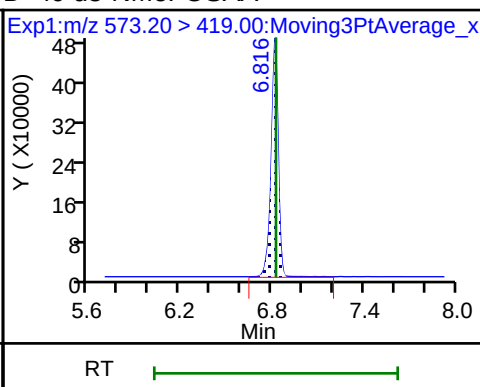
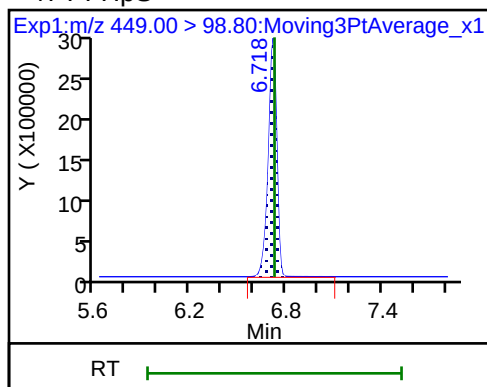
47 PFHpS



47 PFHpS

D 49 d3-NMeFOSAA

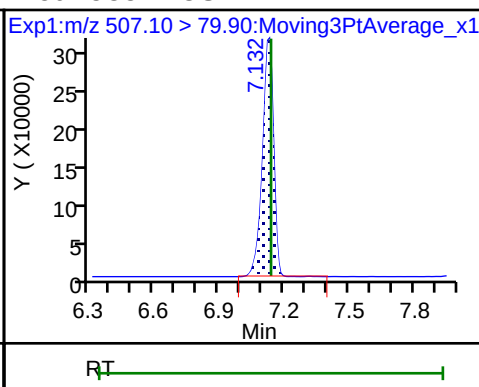
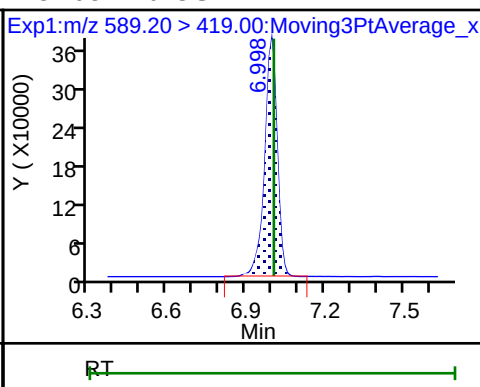
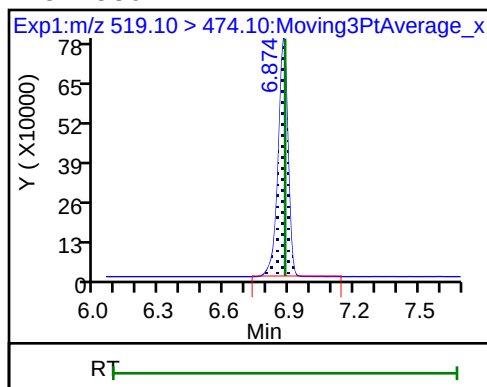
* 51 13C2 PFDA



D 52 13C6 PFDA

D 54 d5-NEtFOSAA

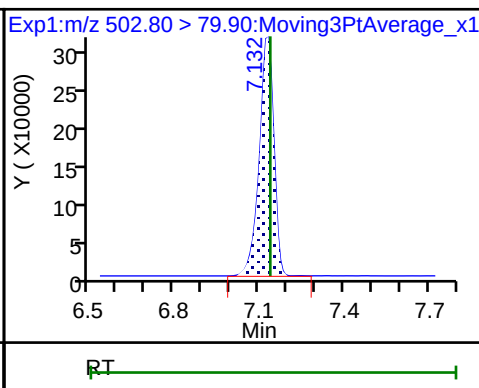
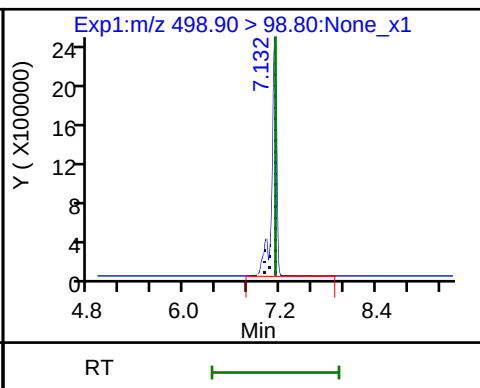
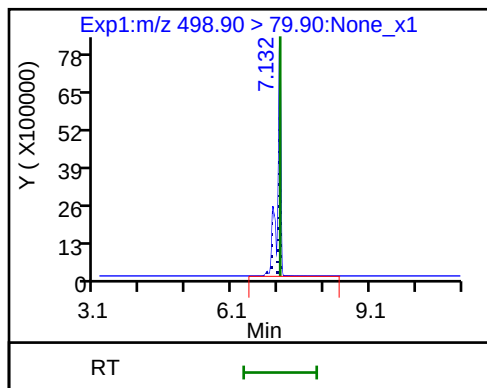
D 56 13C8 PFOS



58 PFOS

58 PFOS

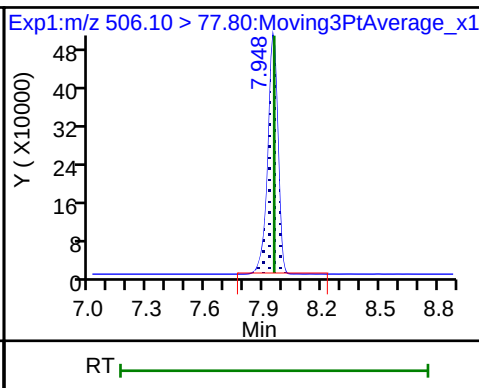
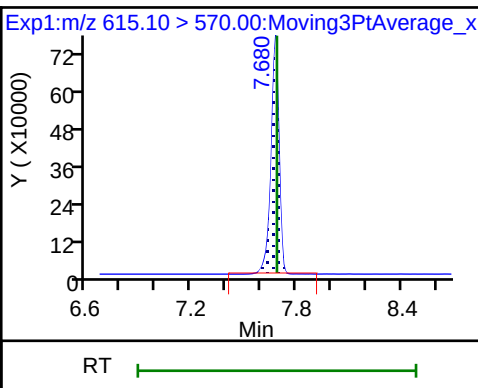
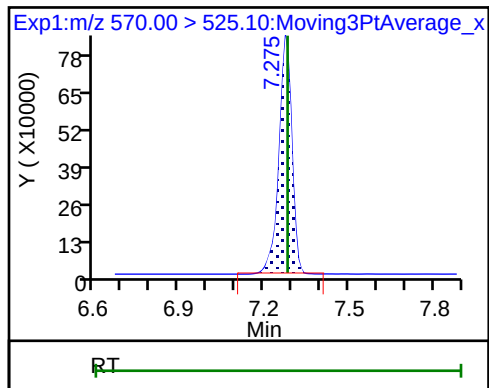
* 57 13C4 PFOS



D 59 13C7 PFUnA

D 81 PFDaA

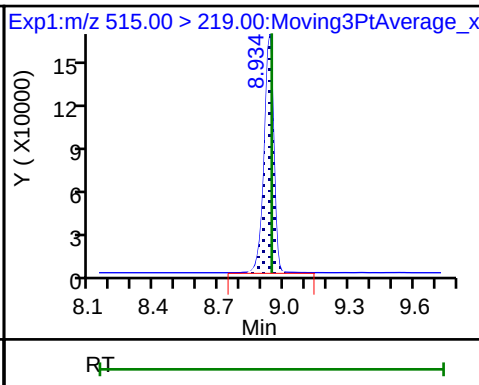
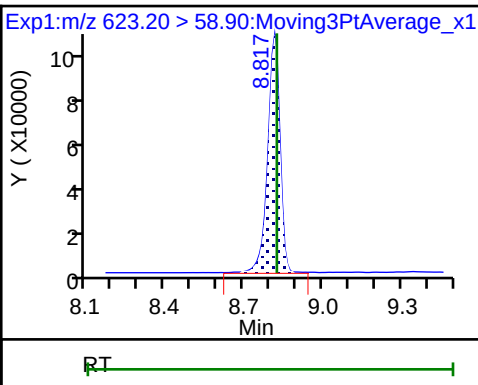
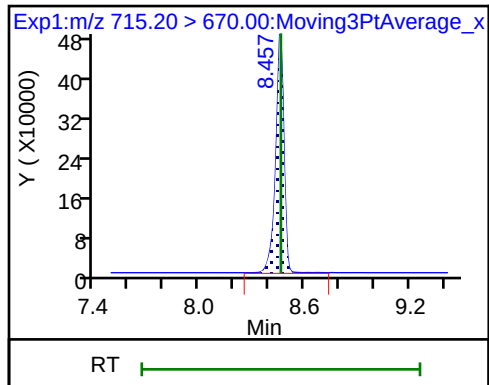
D 65 13C8 FOsa



D 70 13C2 PFTeDA

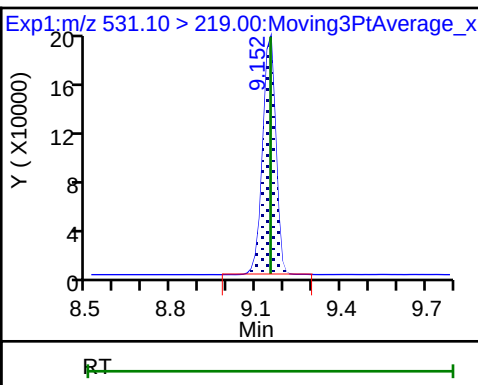
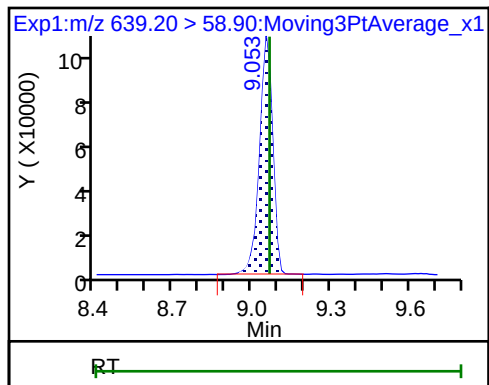
D 72 d7-N-Me-FOSE

D 75 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

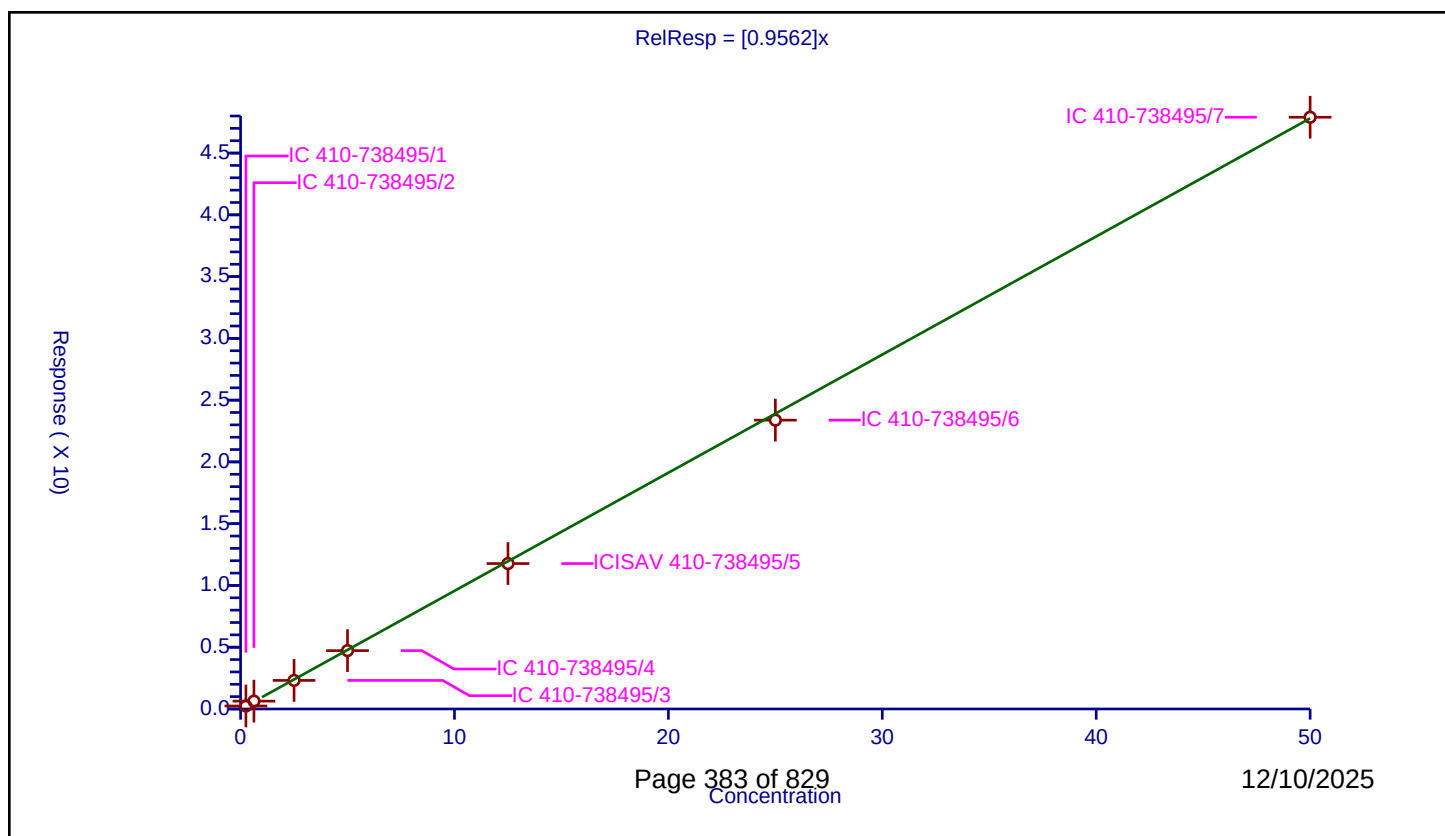
Curve Coefficients

Intercept: 0
Slope: 0.9562

Error Coefficients

Relative Standard Deviation: 3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.25	0.242809	2.0	1109686.0	0.971237	Y
2	IC 410-738495/2	0.625	0.636077	2.0	1133502.0	1.017722	Y
3	IC 410-738495/3	2.5	2.311954	2.0	1151209.0	0.924782	Y
4	IC 410-738495/4	5.0	4.724505	2.0	1116969.0	0.944901	Y
5	ICISAV 410-738495/5	12.5	11.771429	2.0	1136244.0	0.941714	Y
6	IC 410-738495/6	25.0	23.380023	2.0	1077707.0	0.935201	Y
7	IC 410-738495/7	50.0	47.900652	2.0	1002198.0	0.958013	Y



Calibration

/ Perfluorobutanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

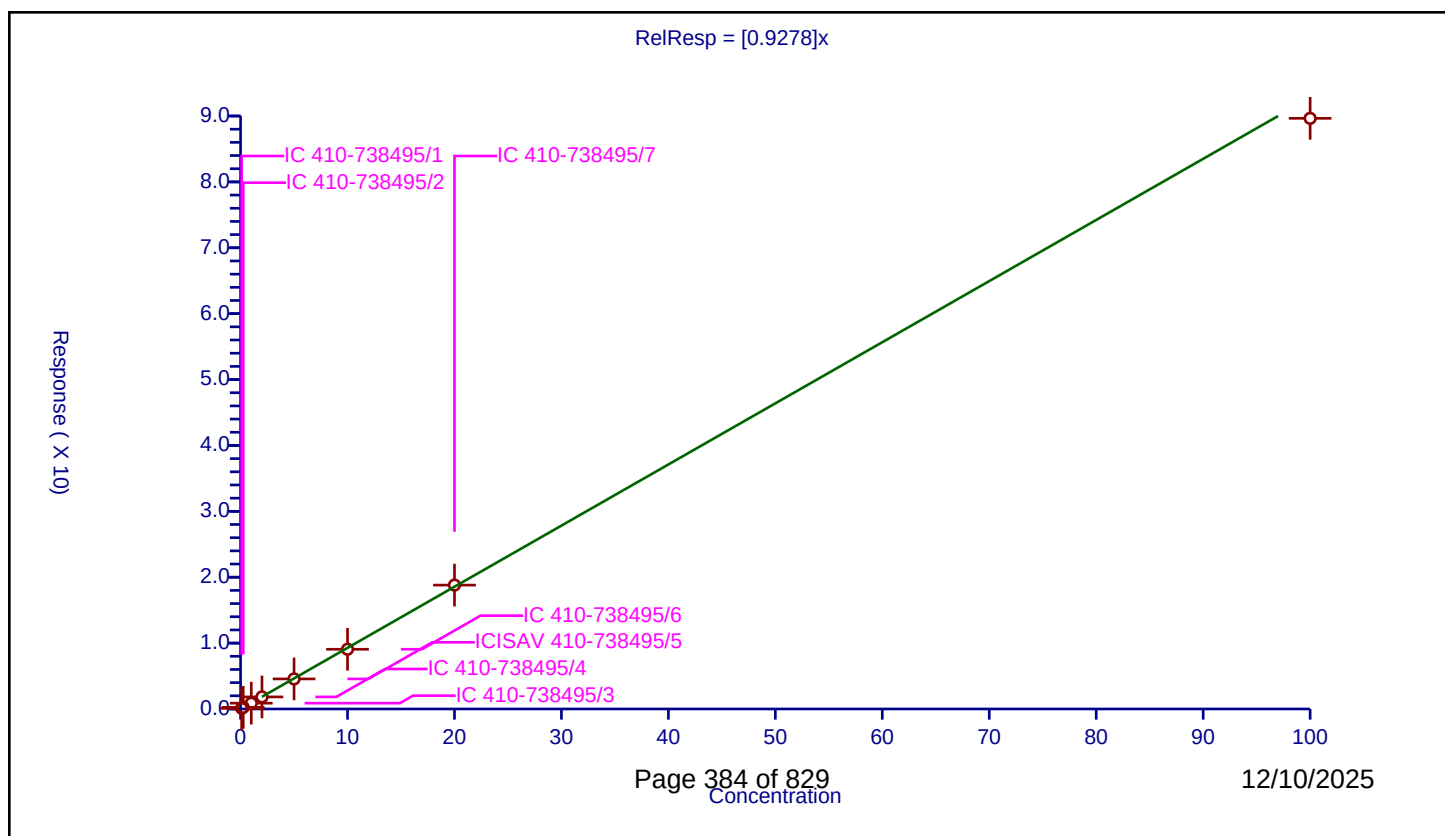
Curve Coefficients

Intercept: 0
Slope: 0.9278

Error Coefficients

Relative Standard Deviation: 4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.1	0.098549	2.0	1721757.0	0.985493	Y
2	IC 410-738495/2	0.25	0.24511	2.0	1691374.0	0.980438	Y
3	IC 410-738495/3	1.0	0.885159	2.0	1719408.0	0.885159	Y
4	IC 410-738495/4	2.0	1.83102	2.0	1658944.0	0.91551	Y
5	ICISAV 410-738495/5	5.0	4.563055	2.0	1707556.0	0.912611	Y
6	IC 410-738495/6	10.0	9.063992	2.0	1677862.0	0.906399	Y
7	IC 410-738495/7	20.0	18.802529	2.0	1554488.0	0.940126	Y
8	IC 410-738495/8	100.0	89.649401	2.0	1173505.0	0.896494	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

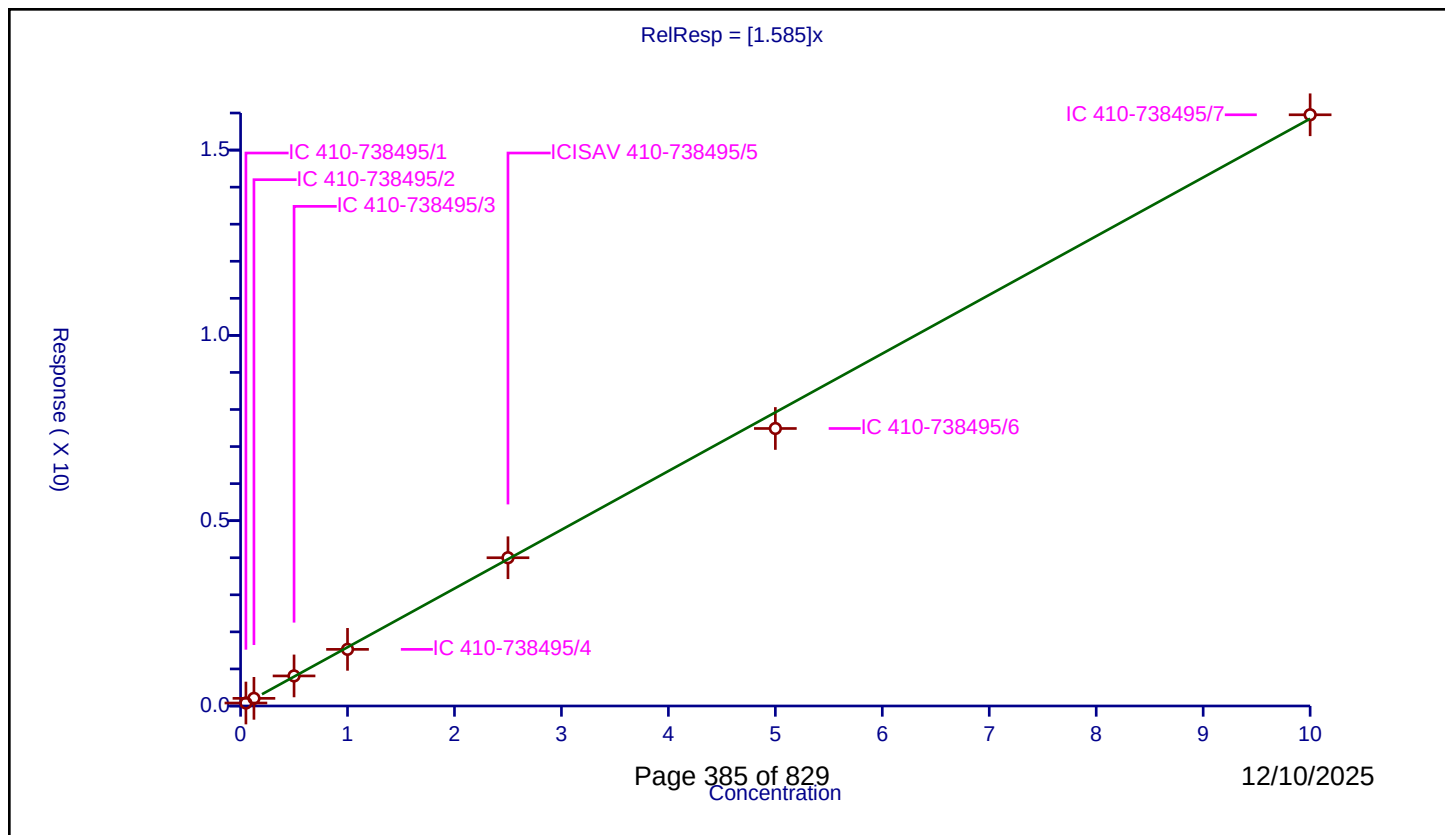
Curve Coefficients

Intercept: 0
 Slope: 1.585

Error Coefficients

Relative Standard Deviation: 3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.05	0.079908	2.0	1013121.0	1.598151	Y
2	IC 410-738495/2	0.125	0.20638	2.0	983431.0	1.651036	Y
3	IC 410-738495/3	0.5	0.811239	2.0	953044.0	1.622477	Y
4	IC 410-738495/4	1.0	1.52776	2.0	974281.0	1.52776	Y
5	ICISAV 410-738495/5	2.5	4.000221	2.0	1003788.0	1.600088	Y
6	IC 410-738495/6	5.0	7.488181	2.0	1049817.0	1.497636	Y
7	IC 410-738495/7	10.0	15.952587	2.0	956951.0	1.595259	Y



Calibration

/ 3:3 FTCA

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

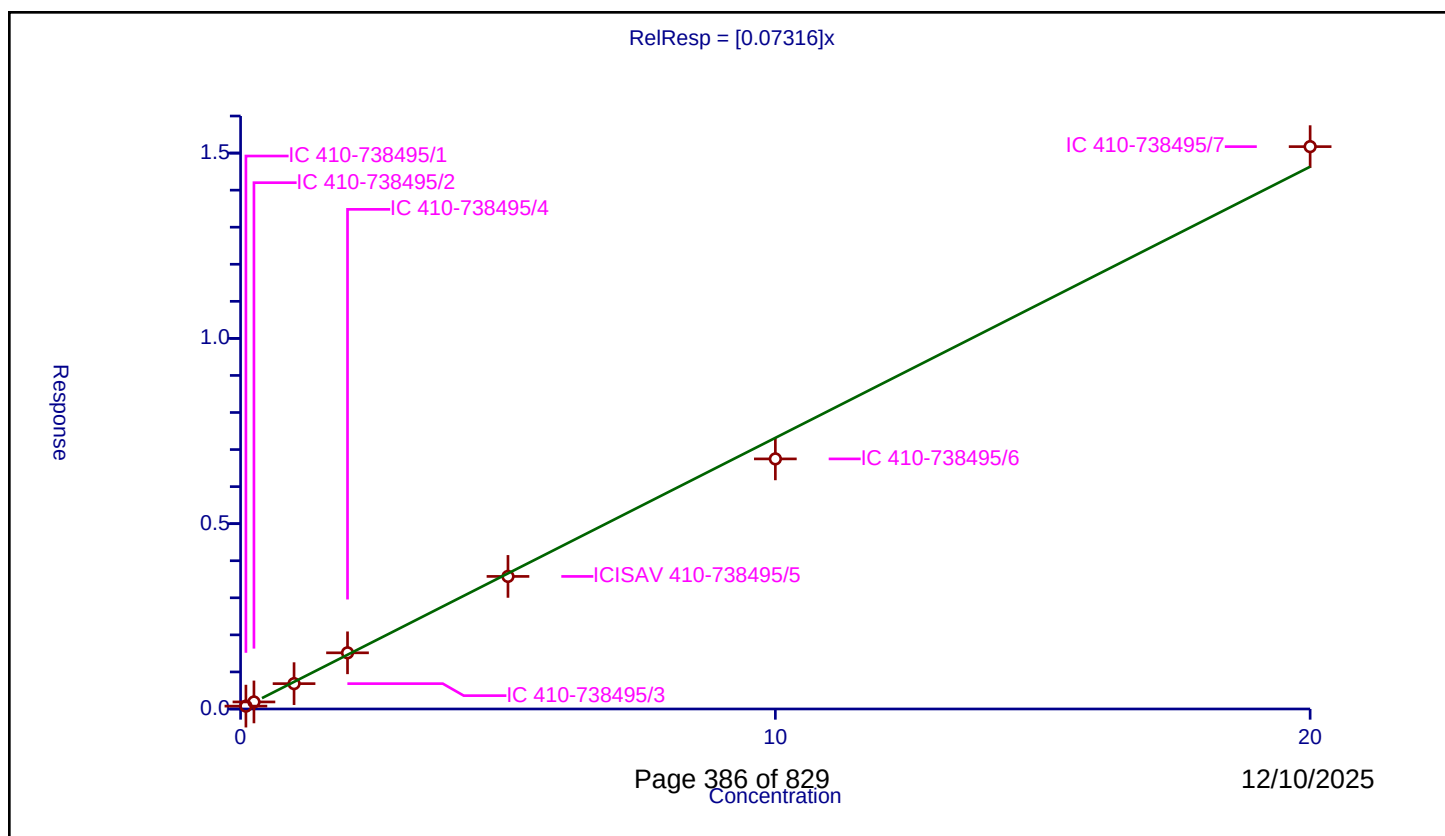
Curve Coefficients

Intercept: 0
Slope: 0.07316

Error Coefficients

Relative Standard Deviation: 5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.1	0.007703	2.0	1013121.0	0.077029	Y
2	IC 410-738495/2	0.25	0.019013	2.0	983431.0	0.076052	Y
3	IC 410-738495/3	1.0	0.068379	2.0	953044.0	0.068379	Y
4	IC 410-738495/4	2.0	0.151544	2.0	974281.0	0.075772	Y
5	ICISAV 410-738495/5	5.0	0.357685	2.0	1003788.0	0.071537	Y
6	IC 410-738495/6	10.0	0.674788	2.0	1049817.0	0.067479	Y
7	IC 410-738495/7	20.0	1.517367	2.0	956951.0	0.075868	Y



Calibration

/ Perfluoropentanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

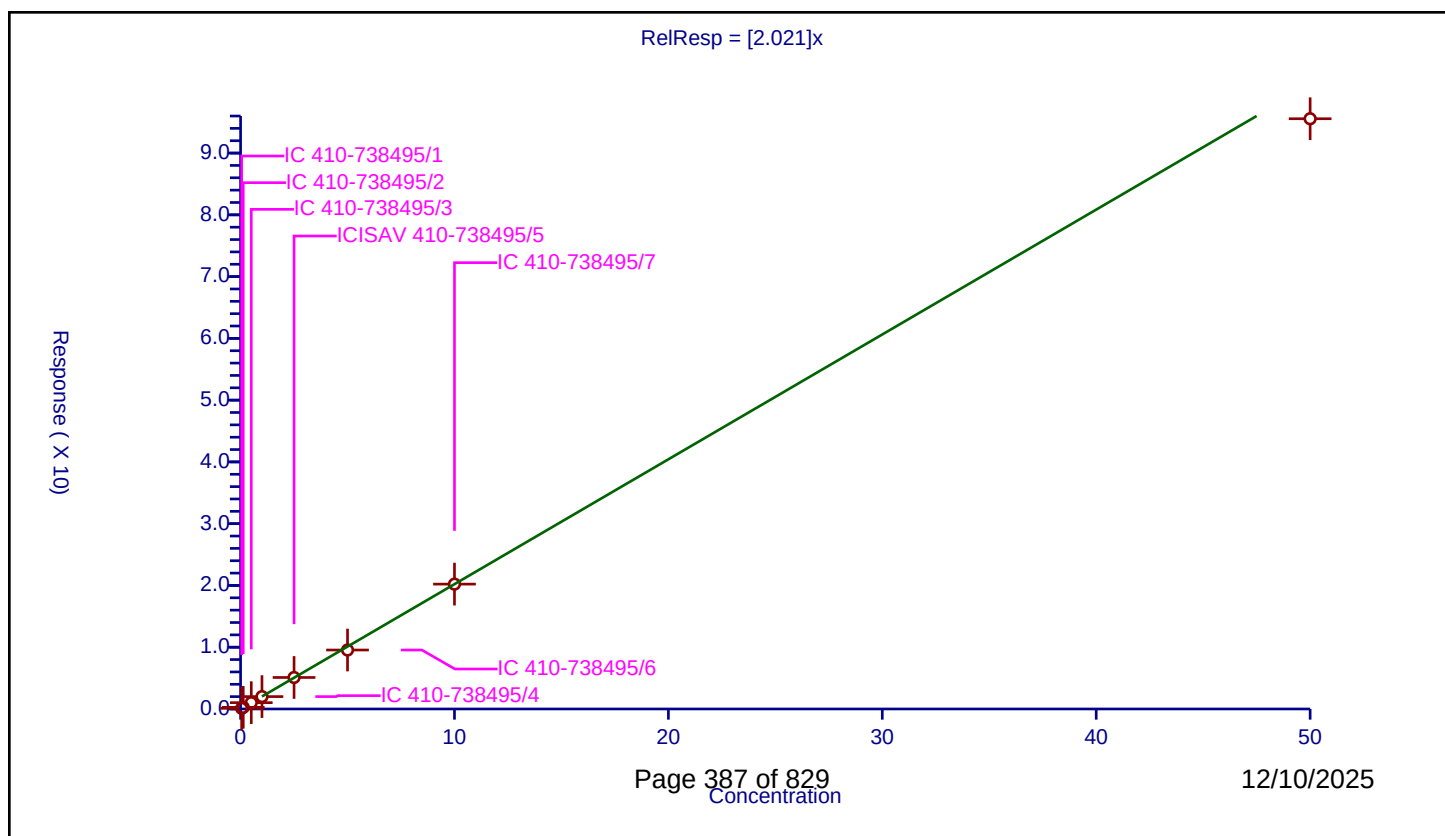
Curve Coefficients

Intercept: 0
Slope: 2.021

Error Coefficients

Relative Standard Deviation: 3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.05	0.1052	2.0	1013121.0	2.103994	Y
2	IC 410-738495/2	0.125	0.265871	2.0	983431.0	2.12697	Y
3	IC 410-738495/3	0.5	1.026058	2.0	953044.0	2.052115	Y
4	IC 410-738495/4	1.0	2.003974	2.0	974281.0	2.003974	Y
5	ICISAV 410-738495/5	2.5	5.100202	2.0	1003788.0	2.040081	Y
6	IC 410-738495/6	5.0	9.546801	2.0	1049817.0	1.90936	Y
7	IC 410-738495/7	10.0	20.214383	2.0	956951.0	2.021438	Y
8	IC 410-738495/8	50.0	95.557934	2.0	796188.0	1.911159	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

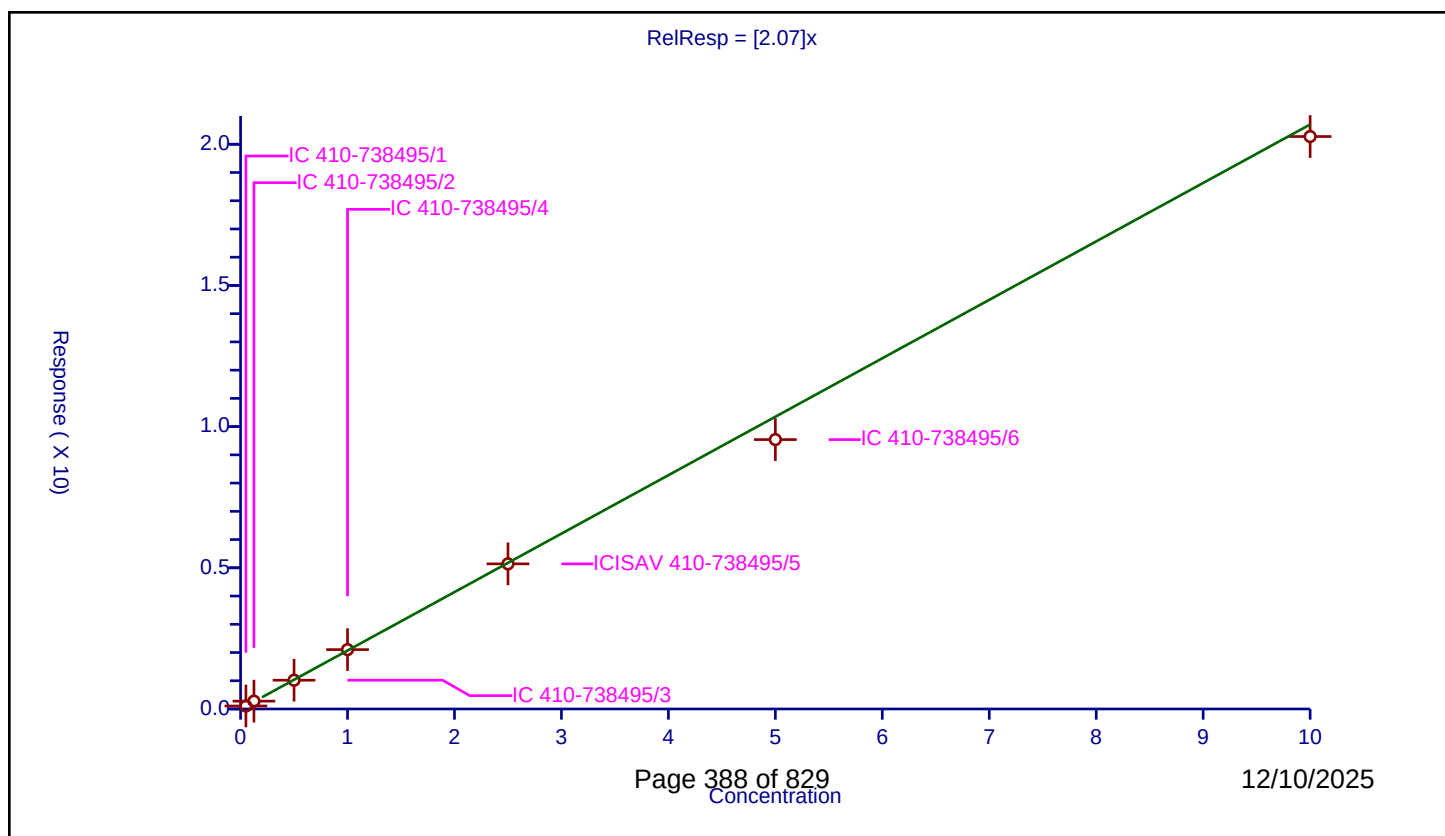
Curve Coefficients

Intercept: 0
Slope: 2.07

Error Coefficients

Relative Standard Deviation: 4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.05	0.106568	2.0	1013121.0	2.131354	Y
2	IC 410-738495/2	0.125	0.278344	2.0	983431.0	2.226751	Y
3	IC 410-738495/3	0.5	1.018486	2.0	953044.0	2.036972	Y
4	IC 410-738495/4	1.0	2.102783	2.0	974281.0	2.102783	Y
5	ICISAV 410-738495/5	2.5	5.140032	2.0	1003788.0	2.056013	Y
6	IC 410-738495/6	5.0	9.540518	2.0	1049817.0	1.908104	Y
7	IC 410-738495/7	10.0	20.273792	2.0	956951.0	2.027379	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

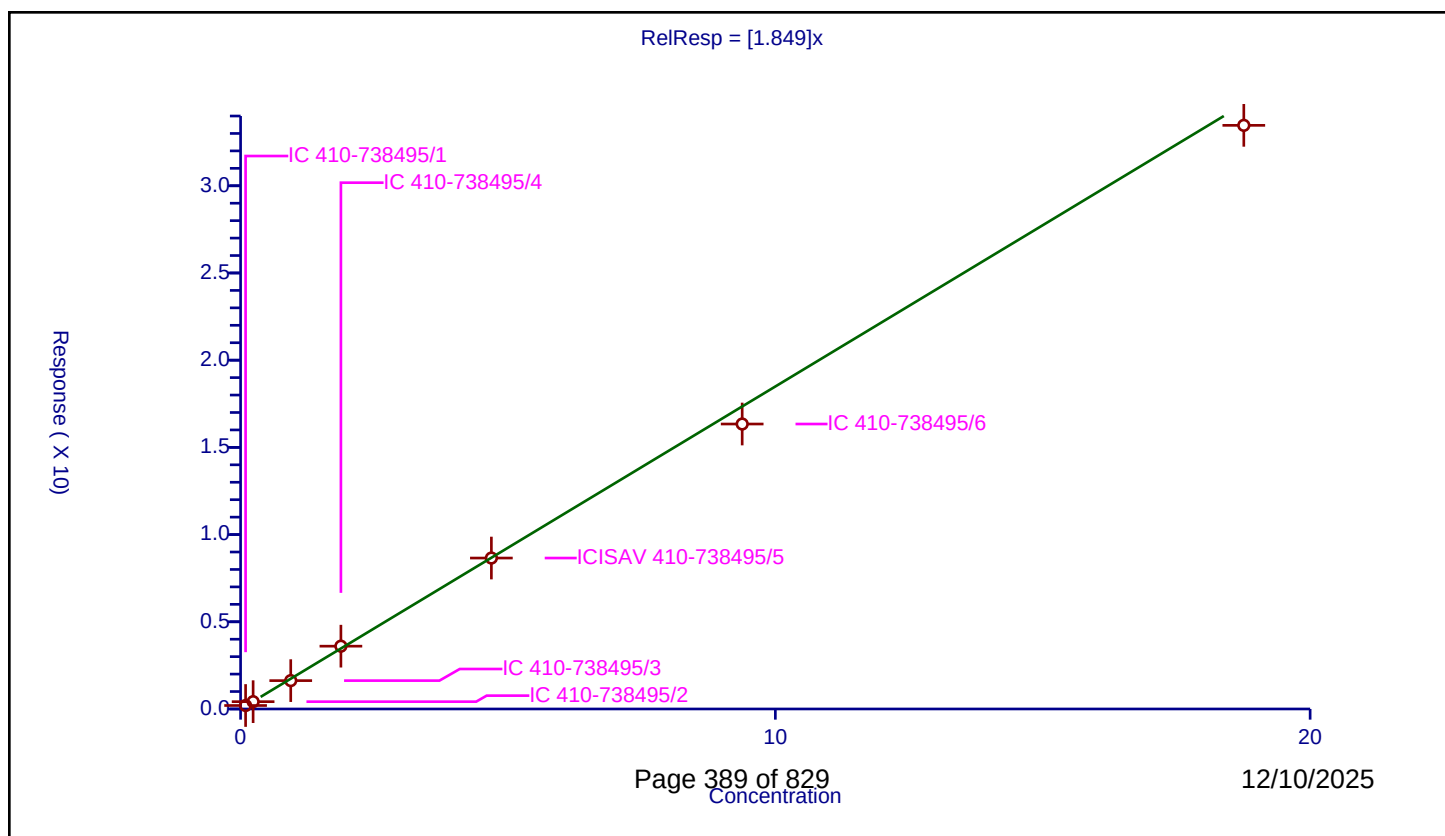
Curve Coefficients

Intercept: 0
Slope: 1.849

Error Coefficients

Relative Standard Deviation: 7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.0938	0.199811	4.69	1003201.0	2.130181	Y
2	IC 410-738495/2	0.2345	0.419602	4.69	1021455.0	1.78935	Y
3	IC 410-738495/3	0.938	1.626656	4.69	1034005.0	1.734174	Y
4	IC 410-738495/4	1.876	3.601037	4.69	990244.0	1.919529	Y
5	ICISAV 410-738495/5	4.69	8.654366	4.69	973763.0	1.845281	Y
6	IC 410-738495/6	9.38	16.340451	4.69	924488.0	1.742052	Y
7	IC 410-738495/7	18.76	33.464729	4.69	872358.0	1.783834	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

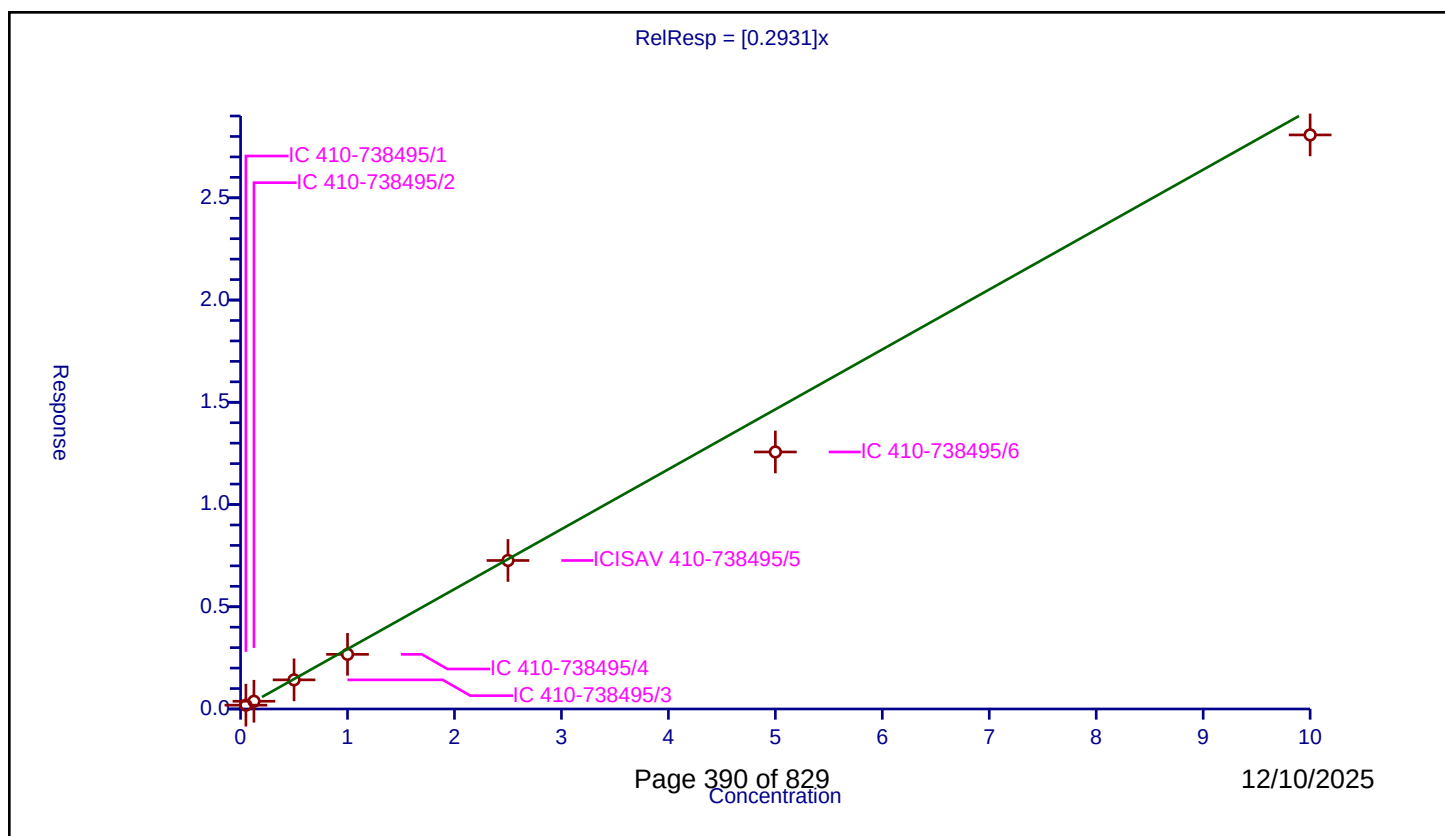
Curve Coefficients

Intercept: 0
Slope: 0.2931

Error Coefficients

Relative Standard Deviation: 13.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.05	0.01868	2.0	2030702.0	0.373605	Y
2	IC 410-738495/2	0.125	0.037853	2.0	2120771.0	0.302826	Y
3	IC 410-738495/3	0.5	0.142465	2.0	2100636.0	0.284931	Y
4	IC 410-738495/4	1.0	0.267345	2.0	2070586.0	0.267345	Y
5	ICISAV 410-738495/5	2.5	0.726288	2.0	2066820.0	0.290515	Y
6	IC 410-738495/6	5.0	1.257002	2.0	2107748.0	0.2514	Y
7	IC 410-738495/7	10.0	2.807556	2.0	1970920.0	0.280756	Y



Calibration

/ Perfluorohexanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

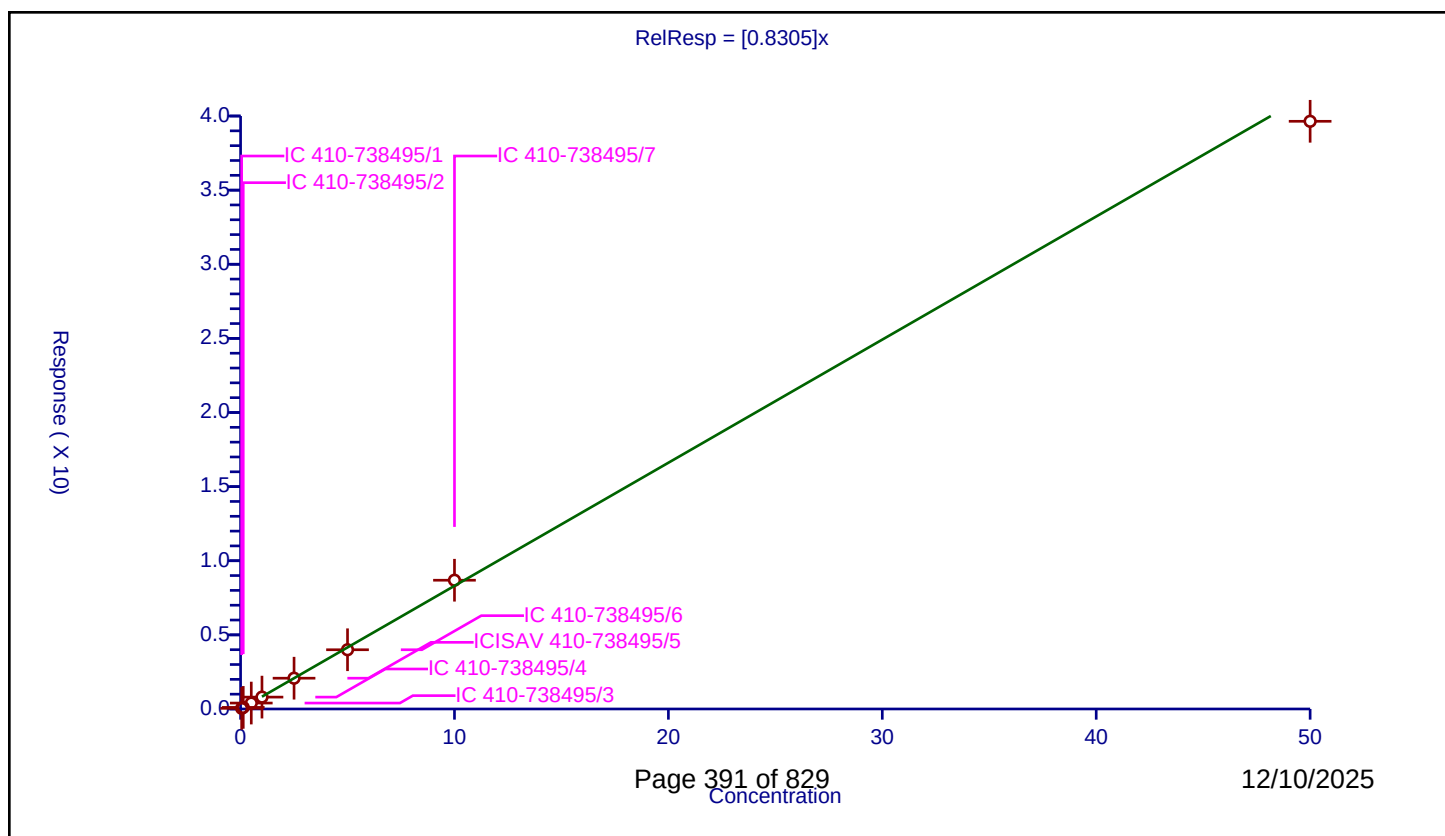
Curve Coefficients

Intercept: 0
Slope: 0.8305

Error Coefficients

Relative Standard Deviation: 4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.05	0.044876	2.0	2030702.0	0.897522	Y
2	IC 410-738495/2	0.125	0.106547	2.0	2120771.0	0.852377	Y
3	IC 410-738495/3	0.5	0.400941	2.0	2100636.0	0.801883	Y
4	IC 410-738495/4	1.0	0.801317	2.0	2070586.0	0.801317	Y
5	ICISAV 410-738495/5	2.5	2.076159	2.0	2066820.0	0.830463	Y
6	IC 410-738495/6	5.0	3.995759	2.0	2107748.0	0.799152	Y
7	IC 410-738495/7	10.0	8.686553	2.0	1970920.0	0.868655	Y
8	IC 410-738495/8	50.0	39.643663	2.0	1672153.0	0.792873	Y



Calibration

/ 5:3 FTCA

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

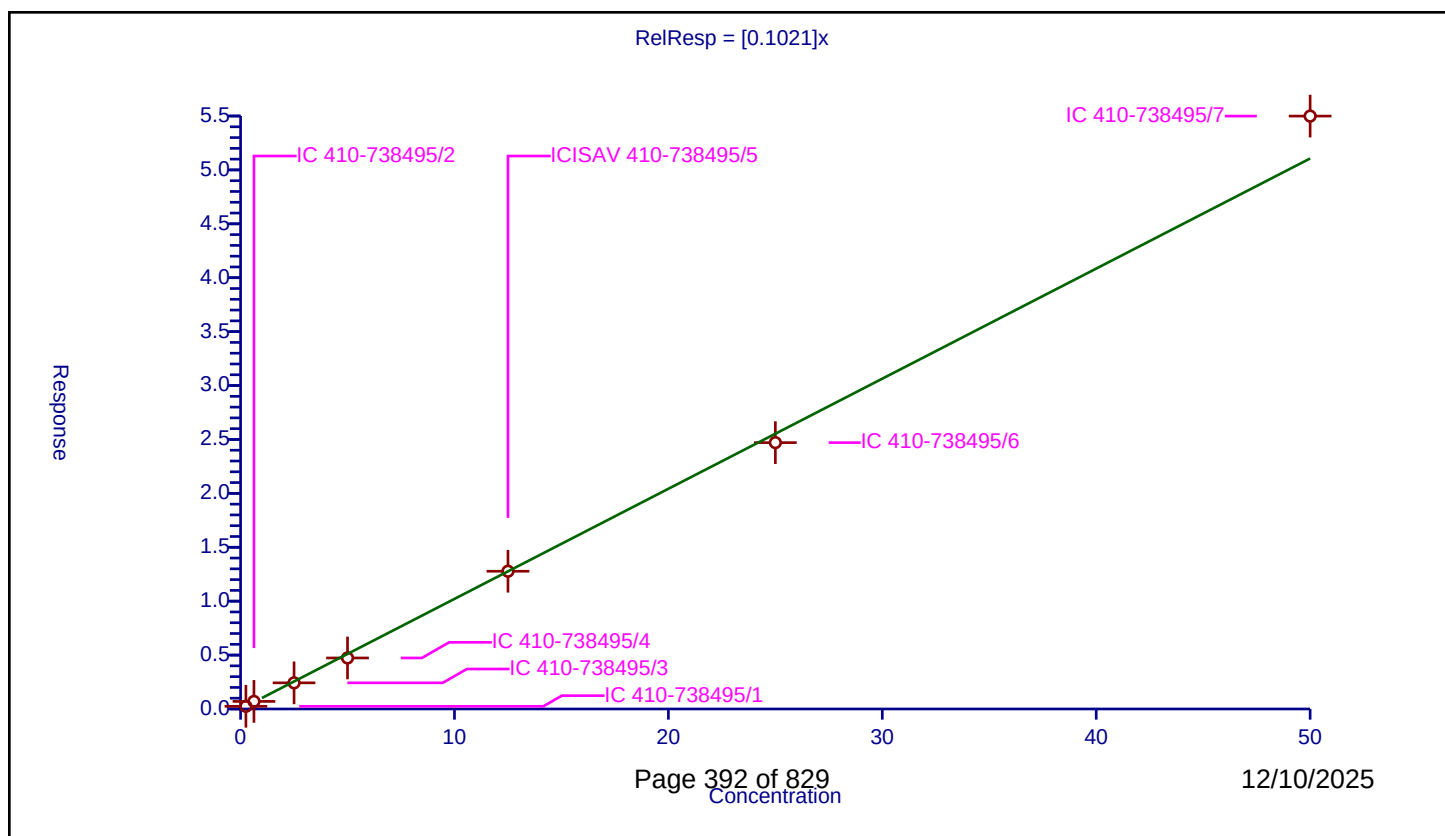
Curve Coefficients

Intercept: 0
Slope: 0.1021

Error Coefficients

Relative Standard Deviation: 6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.25	0.024881	2.0	2030702.0	0.099524	Y
2	IC 410-738495/2	0.625	0.070398	2.0	2120771.0	0.112637	Y
3	IC 410-738495/3	2.5	0.242497	2.0	2100636.0	0.096999	Y
4	IC 410-738495/4	5.0	0.473237	2.0	2070586.0	0.094647	Y
5	ICISAV 410-738495/5	12.5	1.277728	2.0	2066820.0	0.102218	Y
6	IC 410-738495/6	25.0	2.470657	2.0	2107748.0	0.098826	Y
7	IC 410-738495/7	50.0	5.499242	2.0	1970920.0	0.109985	Y



Calibration

/ Perfluorobutanesulfonic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

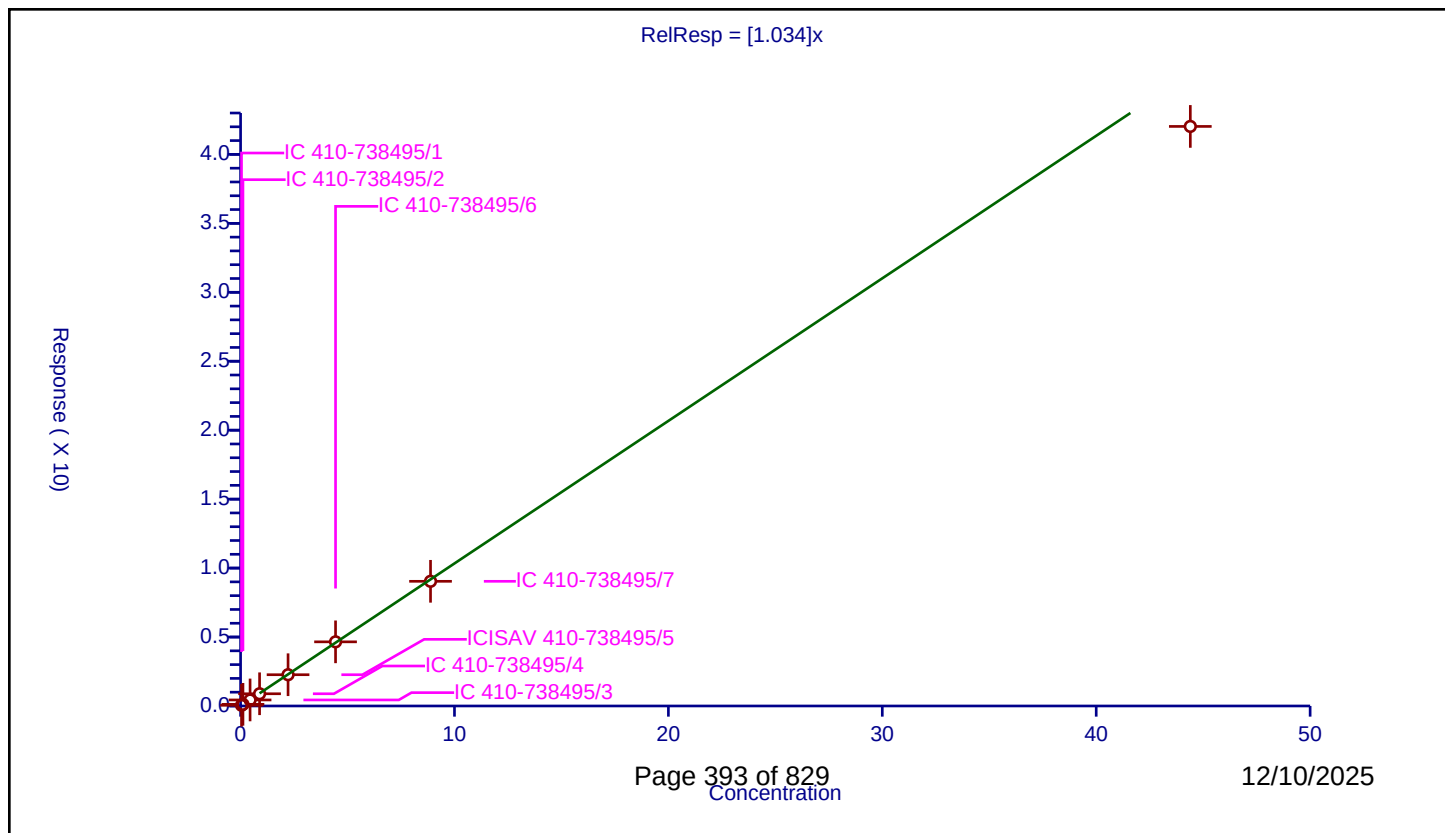
Curve Coefficients

Intercept: 0
Slope: 1.034

Error Coefficients

Relative Standard Deviation: 6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.0444	0.051273	1.864	2098708.0	1.154795	Y
2	IC 410-738495/2	0.111	0.121566	1.864	2073707.0	1.095192	Y
3	IC 410-738495/3	0.444	0.438858	1.864	2179845.0	0.988419	Y
4	IC 410-738495/4	0.888	0.886056	1.864	2103401.0	0.997811	Y
5	ICISAV 410-738495/5	2.22	2.266827	1.864	2173823.0	1.021093	Y
6	IC 410-738495/6	4.44	4.650786	1.864	2086133.0	1.047474	Y
7	IC 410-738495/7	8.88	9.041814	1.864	2025932.0	1.018222	Y
8	IC 410-738495/8	44.4	42.027551	1.864	1517977.0	0.946566	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

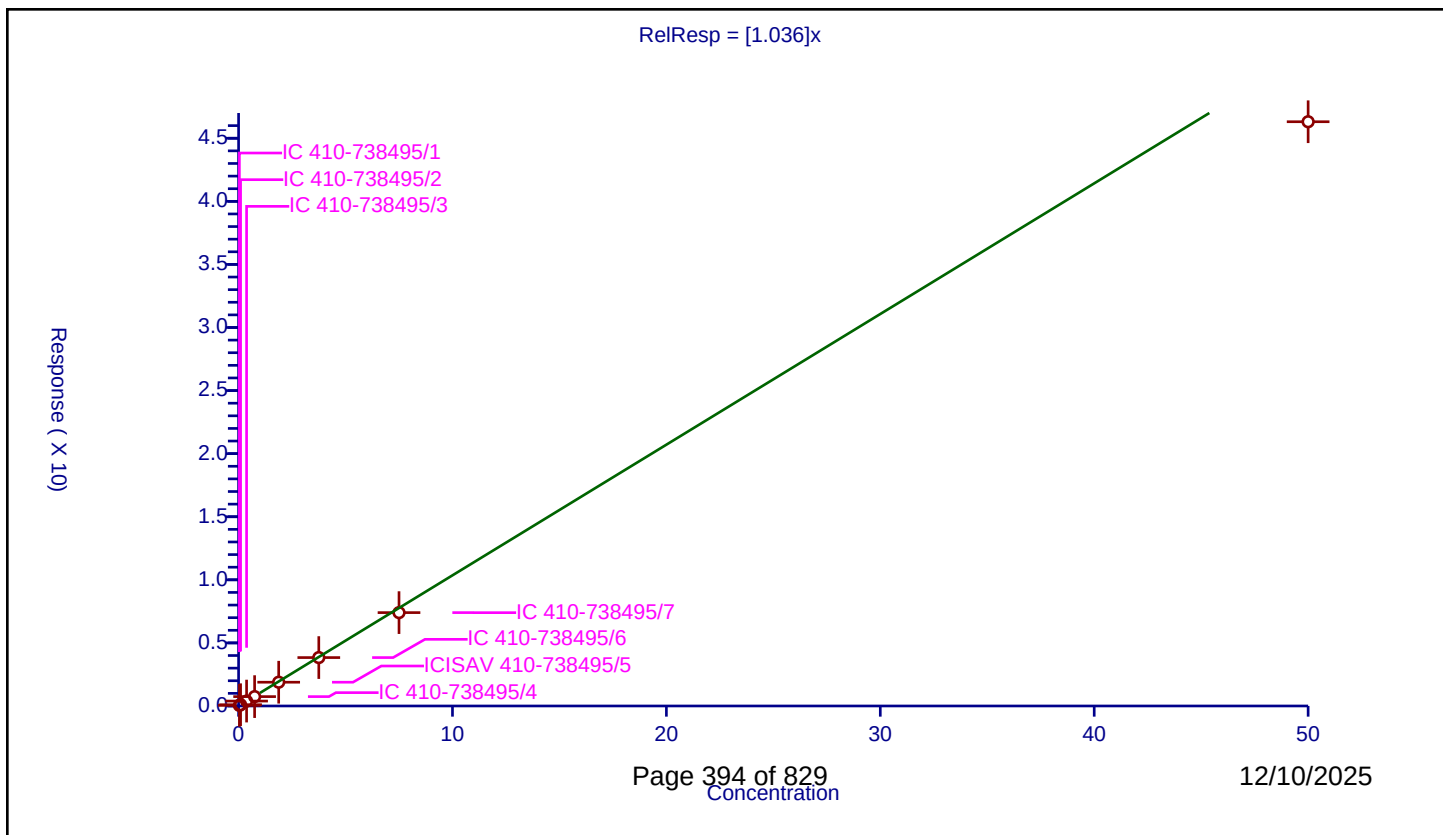
Curve Coefficients

Intercept: 0
 Slope: 1.036

Error Coefficients

Relative Standard Deviation: 9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.0375	0.046519	2.0	1524653.0	1.240518	Y
2	IC 410-738495/2	0.09375	0.100669	2.0	1562343.0	1.073806	Y
3	IC 410-738495/3	0.375	0.389687	2.0	1565648.0	1.039164	Y
4	IC 410-738495/4	0.75	0.742323	2.0	1603319.0	0.989764	Y
5	ICISAV 410-738495/5	1.875	1.885025	2.0	1585076.0	1.005347	Y
6	IC 410-738495/6	3.75	3.837185	2.0	1532560.0	1.023249	Y
7	IC 410-738495/7	7.5	7.401559	2.0	1544934.0	0.986875	Y
8	IC 410-738495/8	50.0	46.309527	2.0	1360365.0	0.926191	Y



Calibration

/ FBSA

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

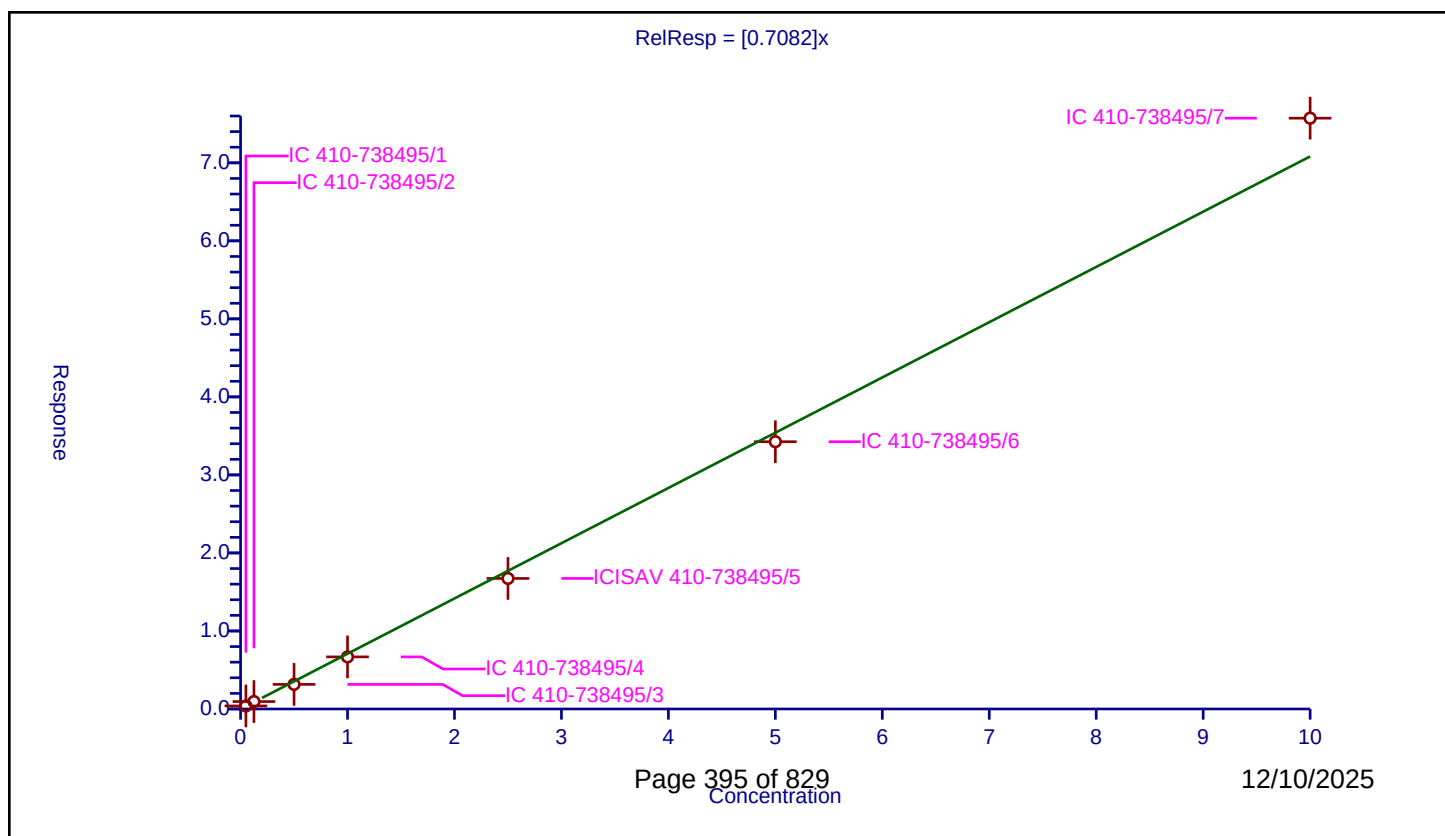
Curve Coefficients

Intercept: 0
Slope: 0.7082

Error Coefficients

Relative Standard Deviation: 8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.05	0.039234	1.864	2098708.0	0.784676	Y
2	IC 410-738495/2	0.125	0.095327	1.864	2073707.0	0.762619	Y
3	IC 410-738495/3	0.5	0.31534	1.864	2179845.0	0.630681	Y
4	IC 410-738495/4	1.0	0.66763	1.864	2103401.0	0.66763	Y
5	ICISAV 410-738495/5	2.5	1.673305	1.864	2173823.0	0.669322	Y
6	IC 410-738495/6	5.0	3.425599	1.864	2086133.0	0.68512	Y
7	IC 410-738495/7	10.0	7.572155	1.864	2025932.0	0.757216	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

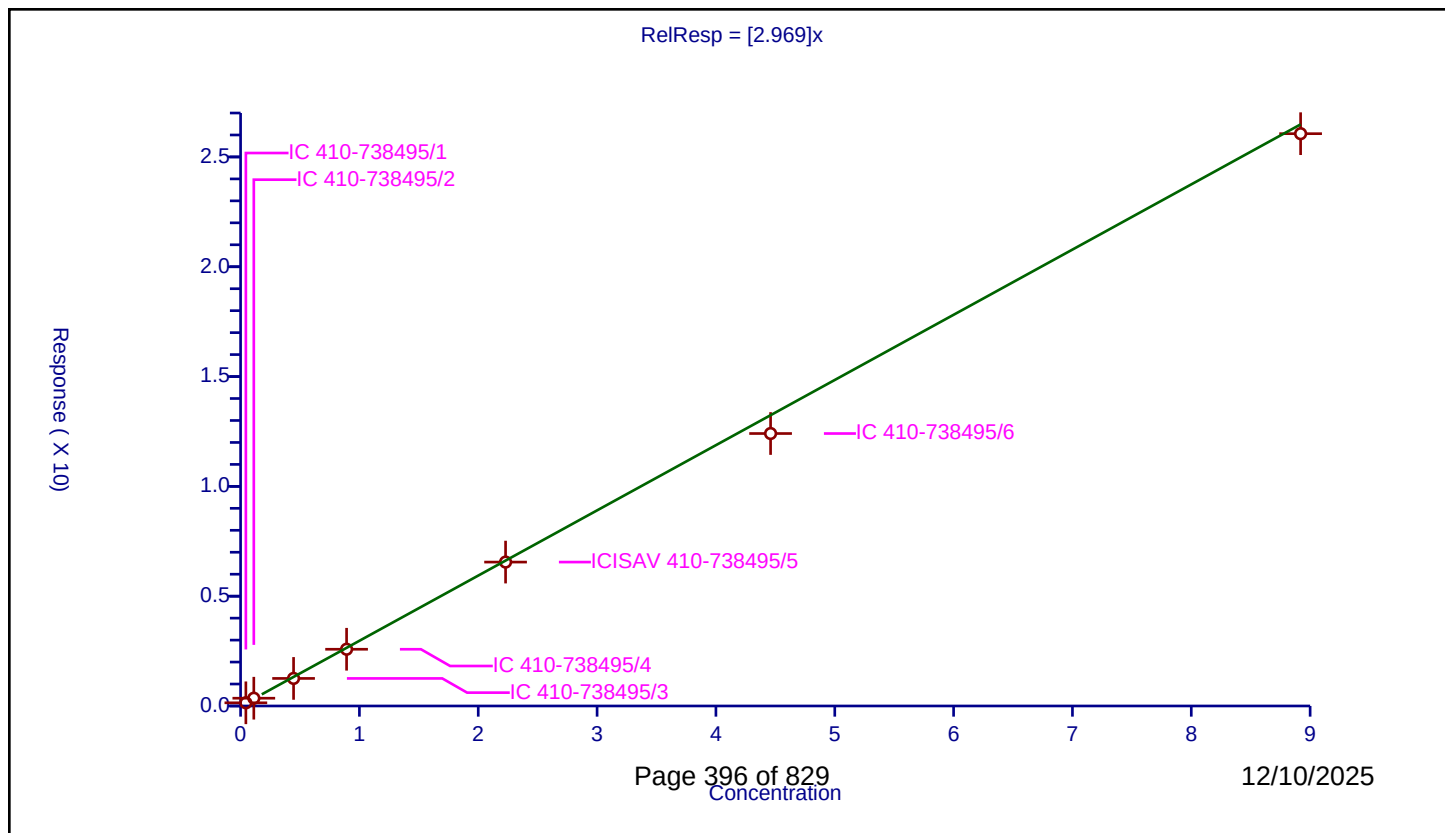
Curve Coefficients

Intercept: 0
 Slope: 2.969

Error Coefficients

Relative Standard Deviation: 6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.0446	0.144944	2.0	2030702.0	3.249865	Y
2	IC 410-738495/2	0.1115	0.354504	2.0	2120771.0	3.179409	Y
3	IC 410-738495/3	0.446	1.255391	2.0	2100636.0	2.814779	Y
4	IC 410-738495/4	0.892	2.583453	2.0	2070586.0	2.896248	Y
5	ICISAV 410-738495/5	2.23	6.552654	2.0	2066820.0	2.93841	Y
6	IC 410-738495/6	4.46	12.405855	2.0	2107748.0	2.781582	Y
7	IC 410-738495/7	8.92	26.058802	2.0	1970920.0	2.92139	Y



Calibration

/ Perfluoroheptanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

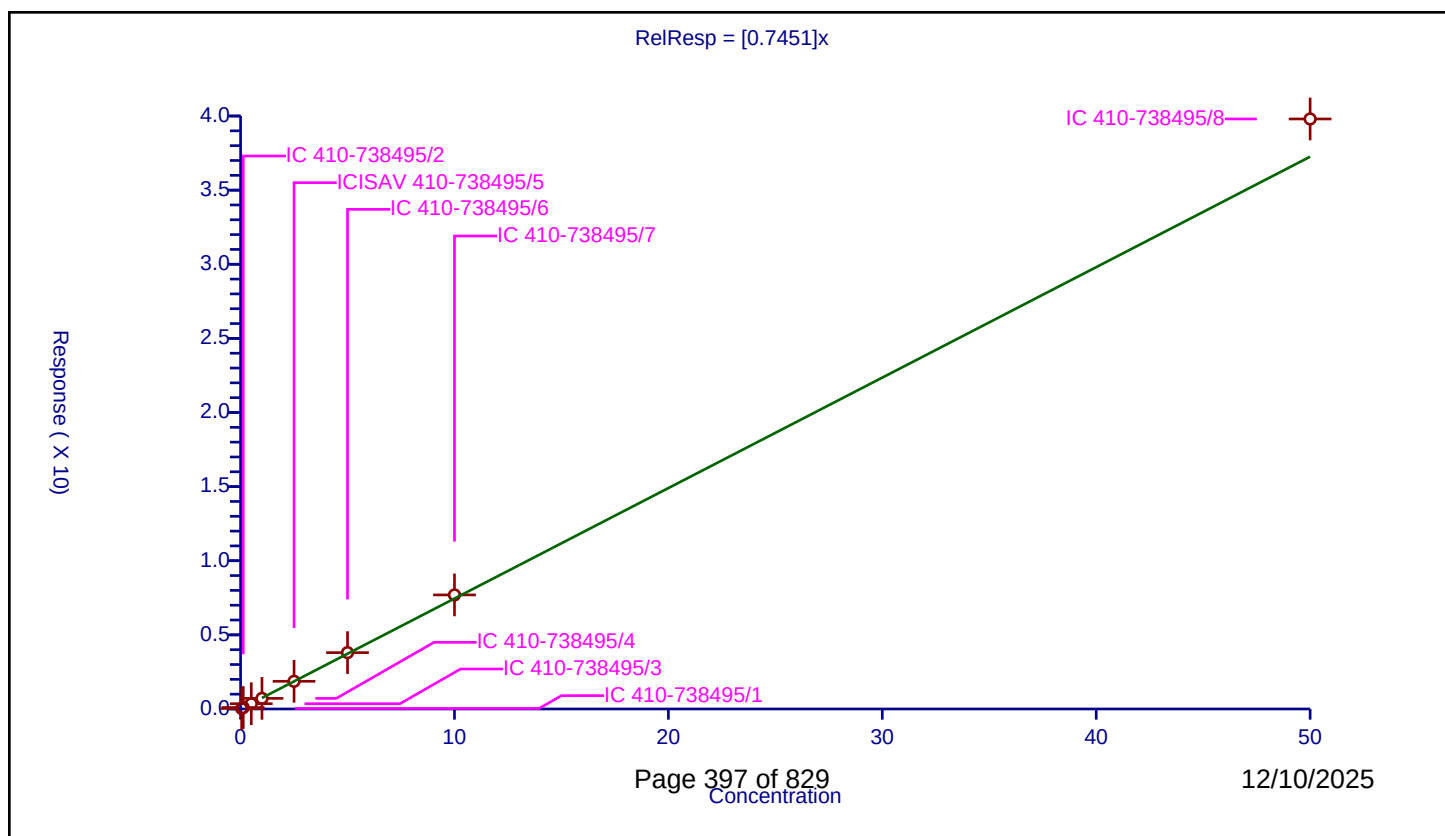
Curve Coefficients

Intercept: 0
Slope: 0.7451

Error Coefficients

Relative Standard Deviation: 5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.05	0.034173	2.0	2177823.0	0.683453	Y
2	IC 410-738495/2	0.125	0.097324	2.0	2199017.0	0.778595	Y
3	IC 410-738495/3	0.5	0.355042	2.0	2216892.0	0.710084	Y
4	IC 410-738495/4	1.0	0.715685	2.0	2116859.0	0.715685	Y
5	ICISAV 410-738495/5	2.5	1.868306	2.0	2261180.0	0.747322	Y
6	IC 410-738495/6	5.0	3.801207	2.0	2176731.0	0.760241	Y
7	IC 410-738495/7	10.0	7.694942	2.0	2104361.0	0.769494	Y
8	IC 410-738495/8	50.0	39.800605	2.0	1716430.0	0.796012	Y



Calibration

/ DONA

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

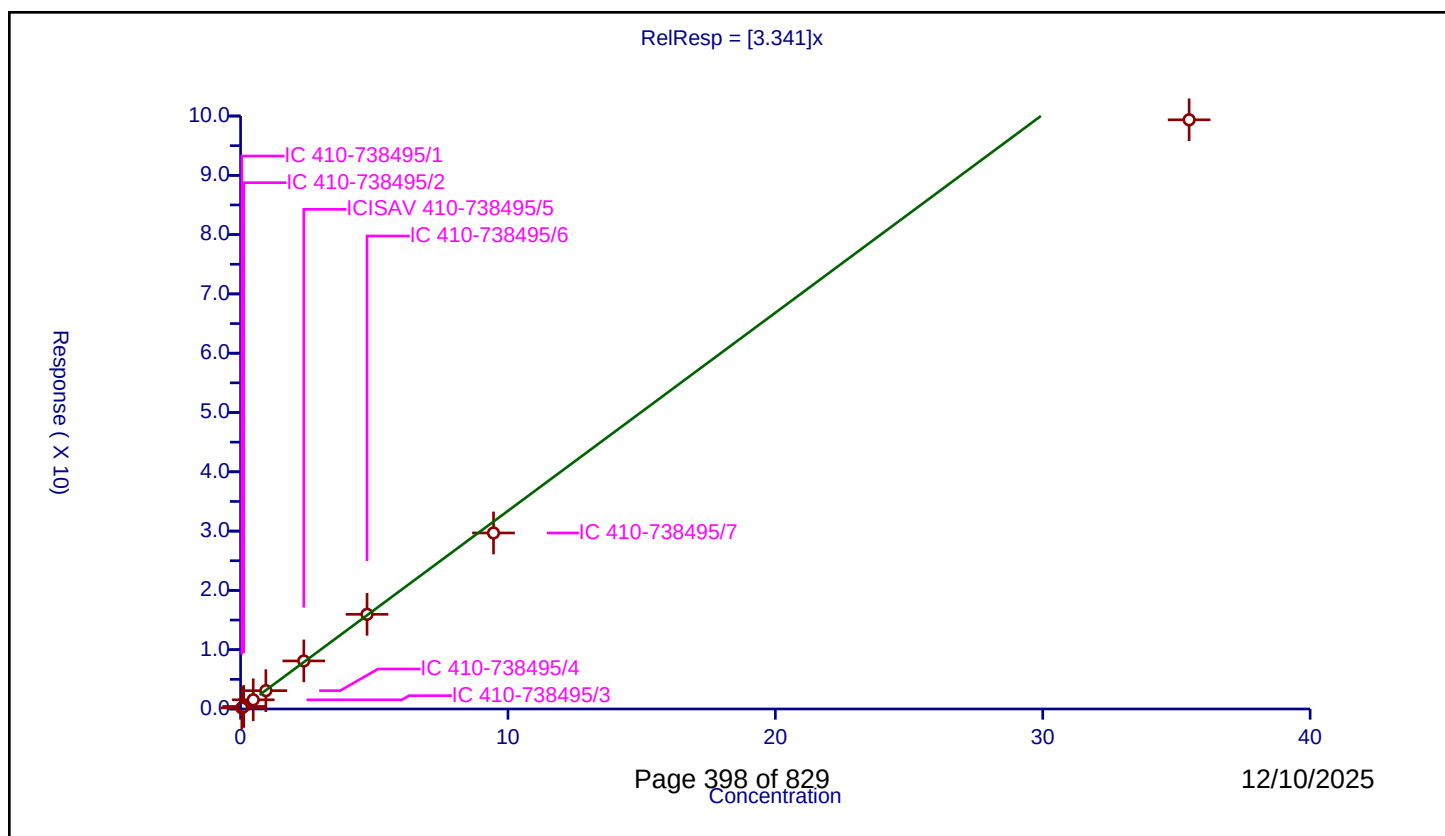
Curve Coefficients

Intercept: 0
Slope: 3.341

Error Coefficients

Relative Standard Deviation: 9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.0473	0.180686	2.0	1524653.0	3.820008	Y
2	IC 410-738495/2	0.11825	0.428657	2.0	1562343.0	3.62501	Y
3	IC 410-738495/3	0.473	1.548432	2.0	1565648.0	3.273641	Y
4	IC 410-738495/4	0.946	3.092991	2.0	1603319.0	3.269547	Y
5	ICISAV 410-738495/5	2.365	8.104633	2.0	1585076.0	3.426906	Y
6	IC 410-738495/6	4.73	15.967341	2.0	1532560.0	3.375759	Y
7	IC 410-738495/7	9.46	29.682669	2.0	1544934.0	3.137703	Y
8	IC 410-738495/8	35.475	99.361749	2.0	1360365.0	2.800895	Y



Calibration

/ Perfluoropentanesulfonic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

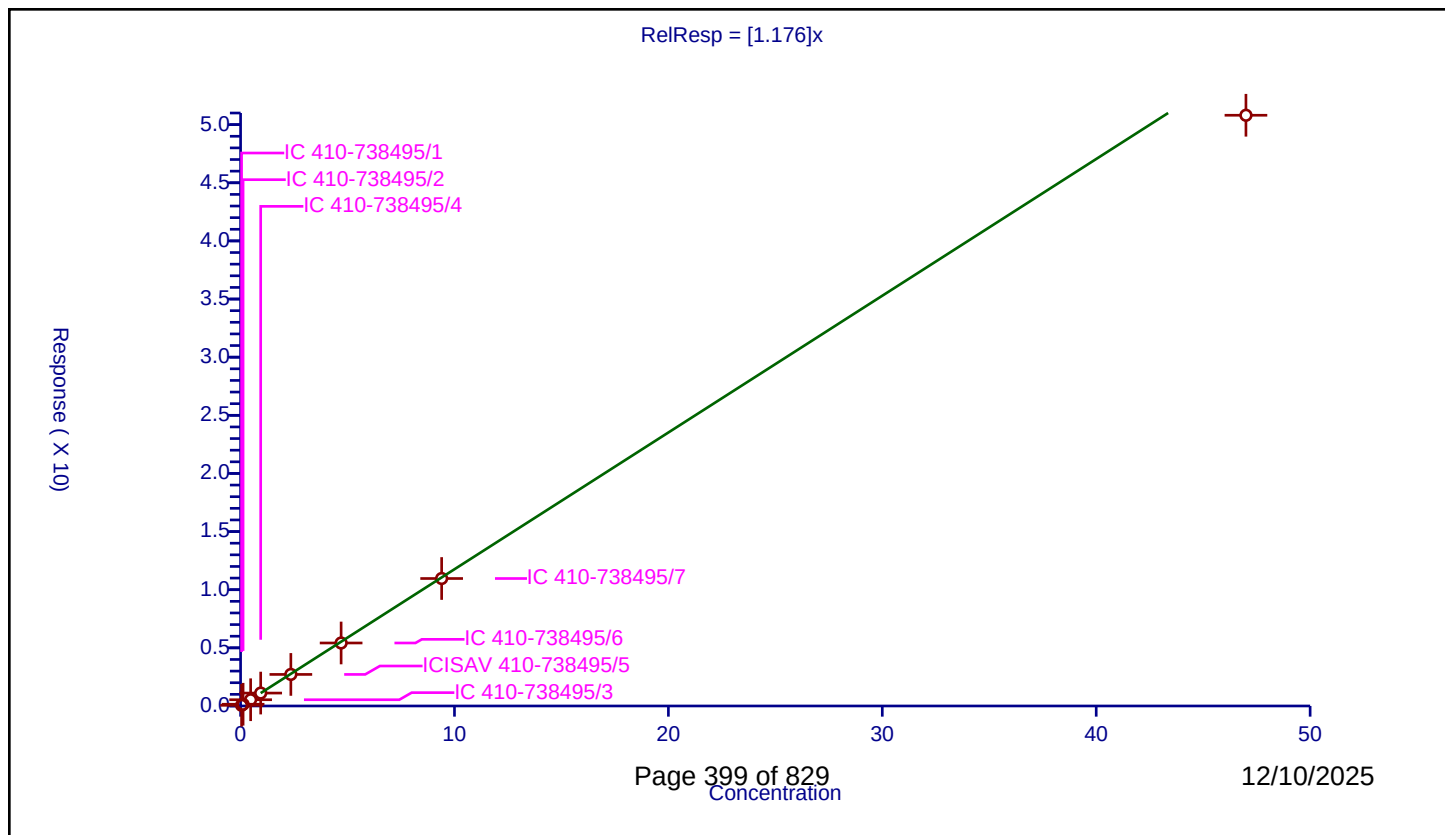
Curve Coefficients

Intercept: 0
Slope: 1.176

Error Coefficients

Relative Standard Deviation: 5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.047	0.058811	1.896	1673741.0	1.251301	Y
2	IC 410-738495/2	0.1175	0.149843	1.896	1737553.0	1.275262	Y
3	IC 410-738495/3	0.47	0.538324	1.896	1741519.0	1.145371	Y
4	IC 410-738495/4	0.94	1.11064	1.896	1753544.0	1.181532	Y
5	ICISAV 410-738495/5	2.35	2.714532	1.896	1851022.0	1.15512	Y
6	IC 410-738495/6	4.7	5.418976	1.896	1742338.0	1.152974	Y
7	IC 410-738495/7	9.4	10.964569	1.896	1644777.0	1.166443	Y
8	IC 410-738495/8	47.0	50.806846	1.896	1304171.0	1.080997	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

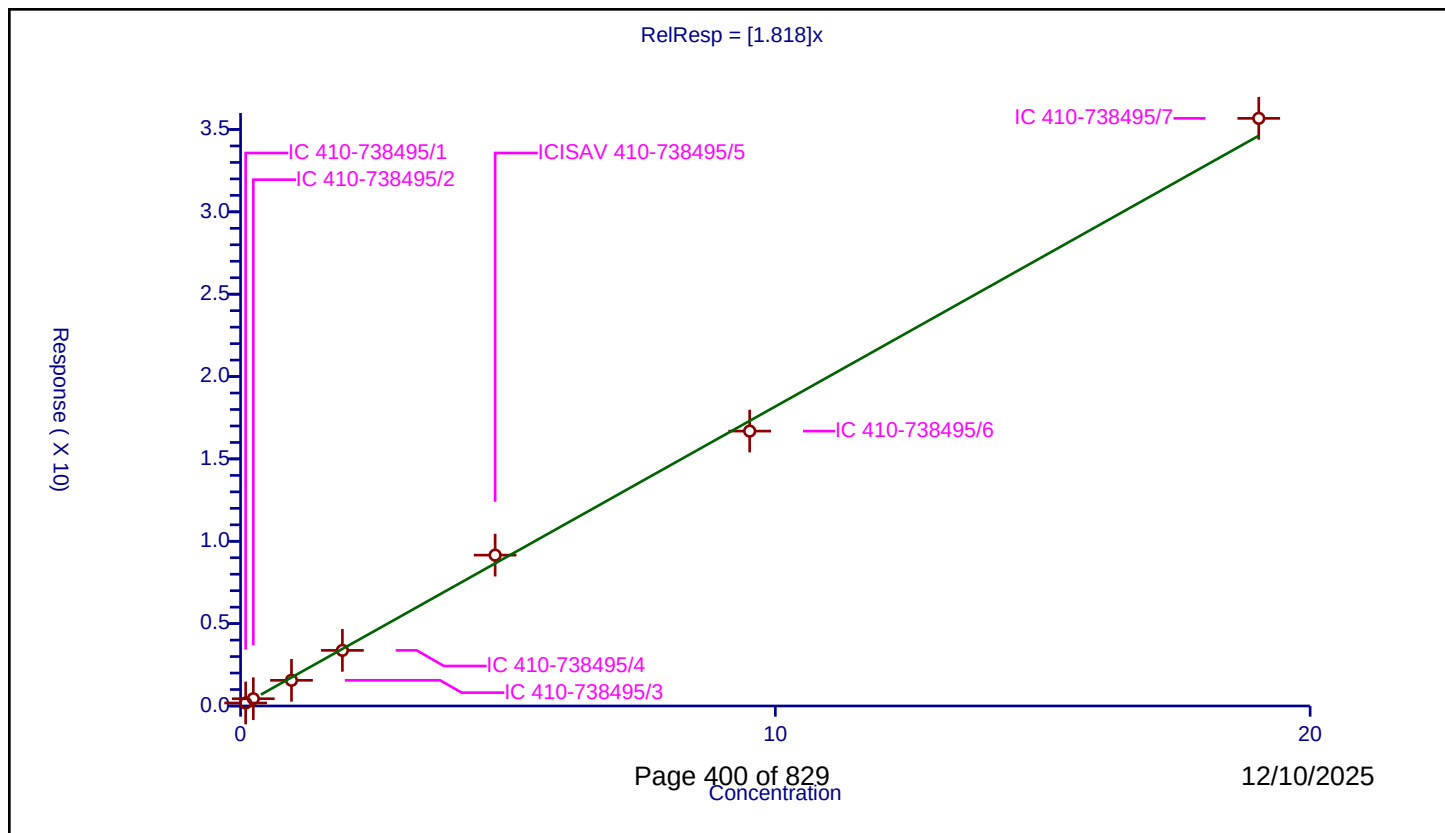
Curve Coefficients

Intercept: 0
Slope: 1.818

Error Coefficients

Relative Standard Deviation: 5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.0952	0.182132	4.76	885842.0	1.913152	Y
2	IC 410-738495/2	0.238	0.441292	4.76	924922.0	1.854167	Y
3	IC 410-738495/3	0.952	1.558647	4.76	977832.0	1.637234	Y
4	IC 410-738495/4	1.904	3.375935	4.76	915191.0	1.773075	Y
5	ICISAV 410-738495/5	4.76	9.158863	4.76	856804.0	1.924131	Y
6	IC 410-738495/6	9.52	16.689172	4.76	796021.0	1.753064	Y
7	IC 410-738495/7	19.04	35.675538	4.76	677162.0	1.873715	Y



Calibration

/ bis(trifluoromethane)sulfonimide

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

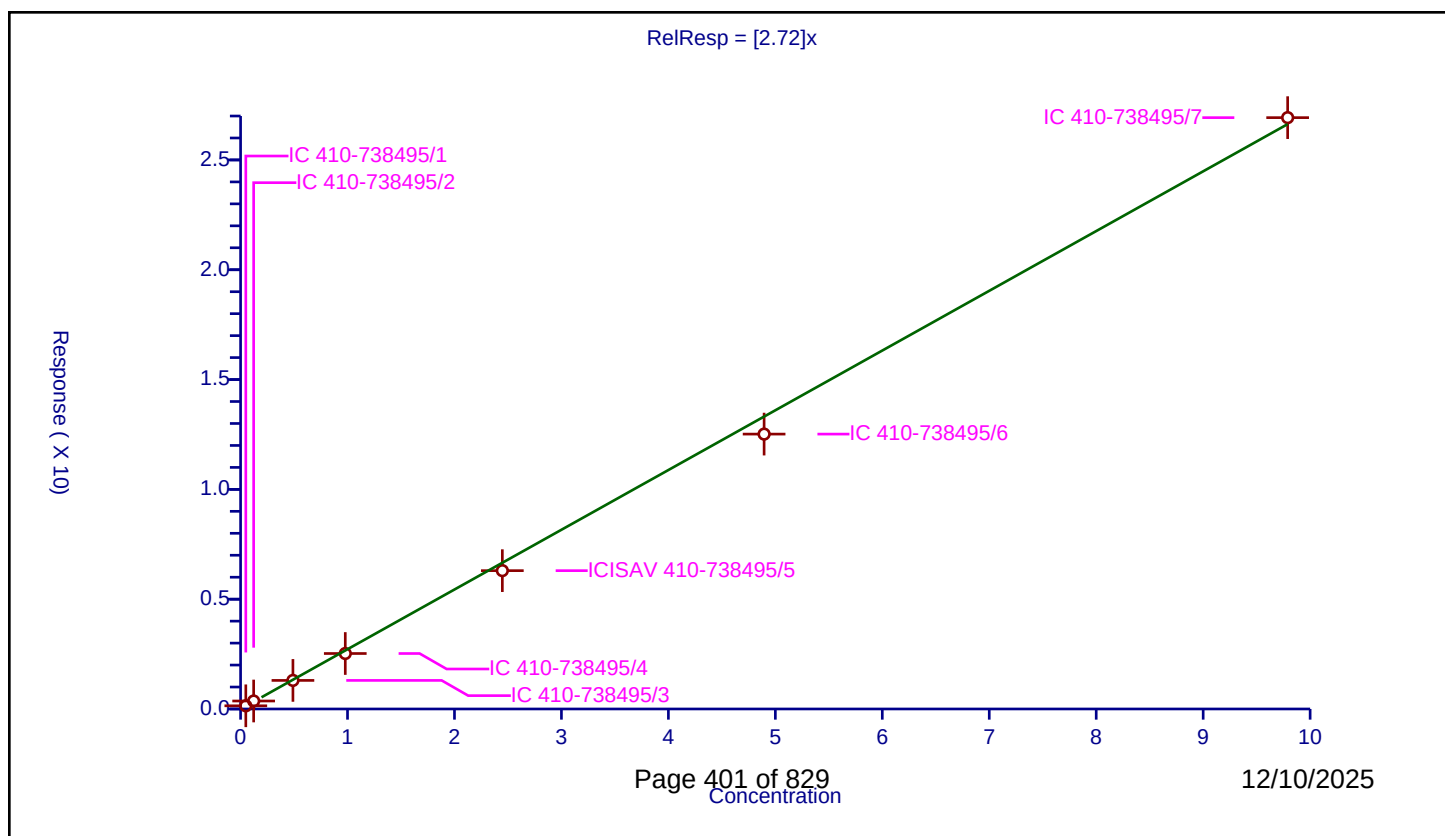
Curve Coefficients

Intercept: 0
 Slope: 2.72

Error Coefficients

Relative Standard Deviation: 6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.04895	0.144545	1.896	1673741.0	2.952918	Y
2	IC 410-738495/2	0.122375	0.363378	1.896	1737553.0	2.969383	Y
3	IC 410-738495/3	0.4895	1.300811	1.896	1741519.0	2.657427	Y
4	IC 410-738495/4	0.979	2.525746	1.896	1753544.0	2.579924	Y
5	ICISAV 410-738495/5	2.4475	6.299257	1.896	1851022.0	2.573751	Y
6	IC 410-738495/6	4.895	12.516763	1.896	1742338.0	2.557051	Y
7	IC 410-738495/7	9.79	26.925721	1.896	1644777.0	2.750329	Y



Calibration

/ Perfluorooctanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

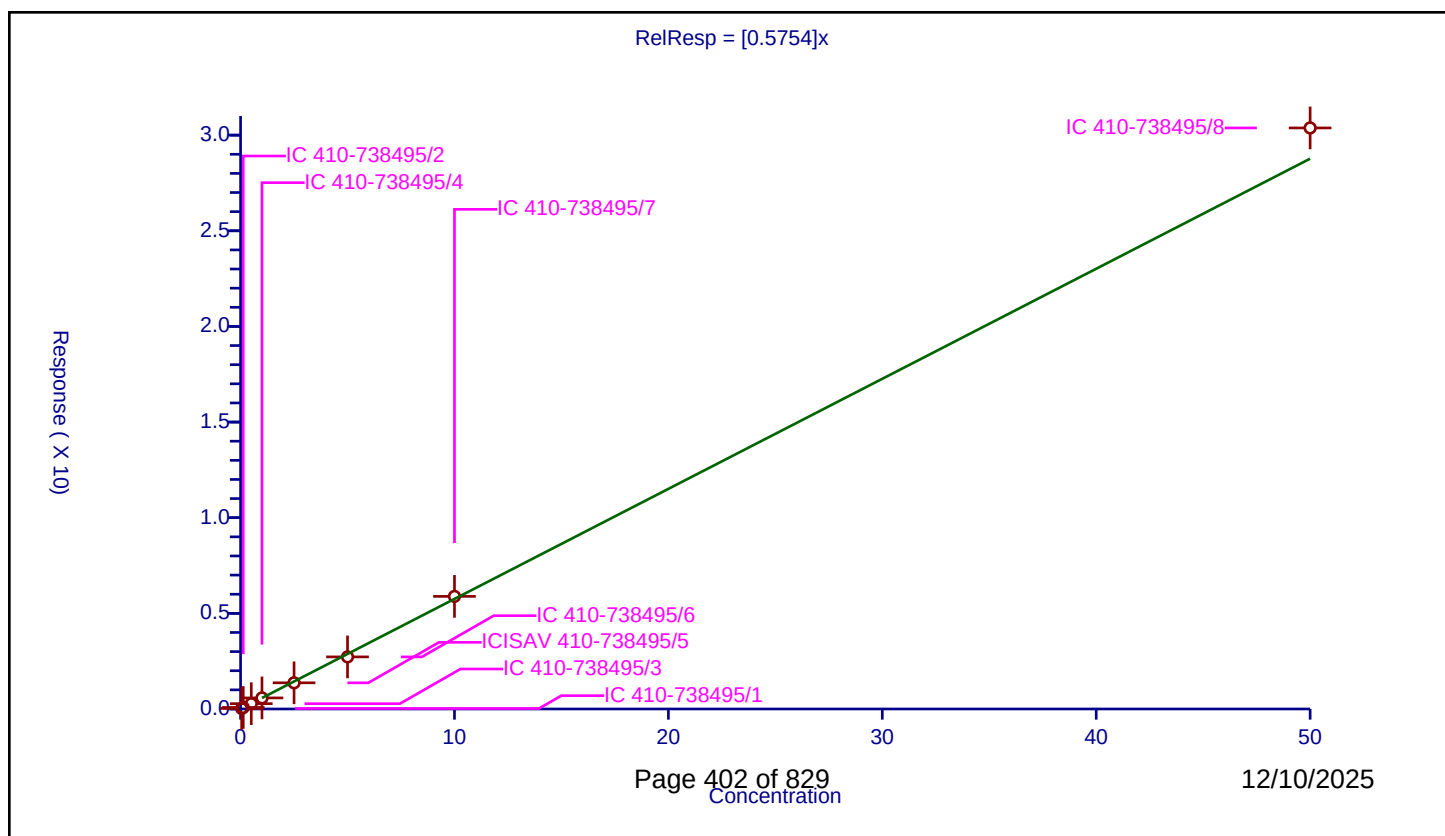
Curve Coefficients

Intercept: 0
Slope: 0.5754

Error Coefficients

Relative Standard Deviation: 6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.05	0.027014	2.0	2903686.0	0.540279	Y
2	IC 410-738495/2	0.125	0.080079	2.0	2942980.0	0.640635	Y
3	IC 410-738495/3	0.5	0.277596	2.0	2901984.0	0.555191	Y
4	IC 410-738495/4	1.0	0.578698	2.0	2807412.0	0.578698	Y
5	ICISAV 410-738495/5	2.5	1.3682	2.0	2955178.0	0.54728	Y
6	IC 410-738495/6	5.0	2.723488	2.0	2868658.0	0.544698	Y
7	IC 410-738495/7	10.0	5.886672	2.0	2837790.0	0.588667	Y
8	IC 410-738495/8	50.0	30.376324	2.0	2437068.0	0.607526	Y



Calibration

/ 7:3 FTCA

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

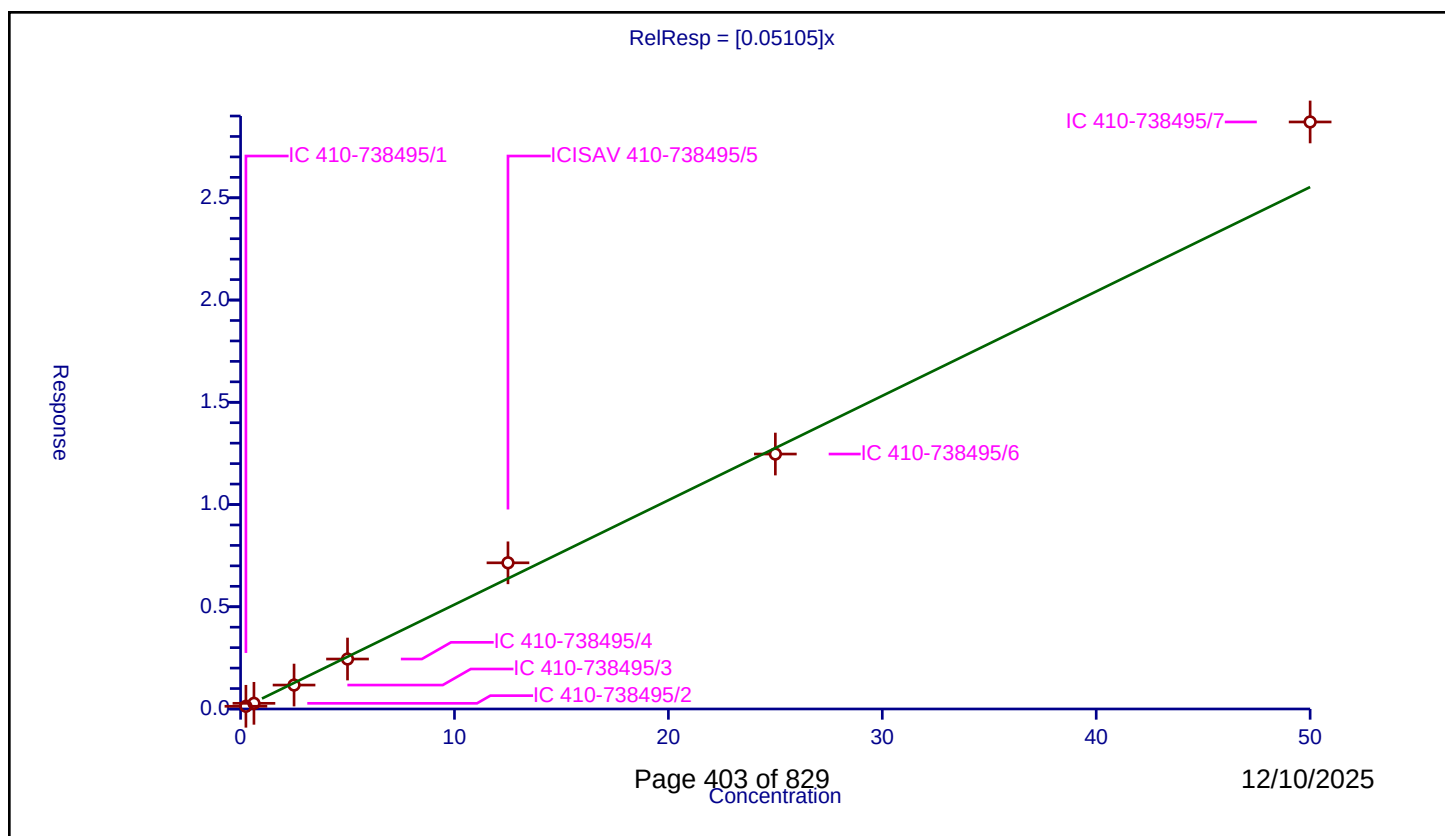
Curve Coefficients

Intercept: 0
Slope: 0.05105

Error Coefficients

Relative Standard Deviation: 9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.25	0.013227	2.0	2030702.0	0.052908	Y
2	IC 410-738495/2	0.625	0.02768	2.0	2120771.0	0.044287	Y
3	IC 410-738495/3	2.5	0.117036	2.0	2100636.0	0.046814	Y
4	IC 410-738495/4	5.0	0.244295	2.0	2070586.0	0.048859	Y
5	ICISAV 410-738495/5	12.5	0.714922	2.0	2066820.0	0.057194	Y
6	IC 410-738495/6	25.0	1.246882	2.0	2107748.0	0.049875	Y
7	IC 410-738495/7	50.0	2.870924	2.0	1970920.0	0.057418	Y



Calibration

/ Perfluorohexanesulfonic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

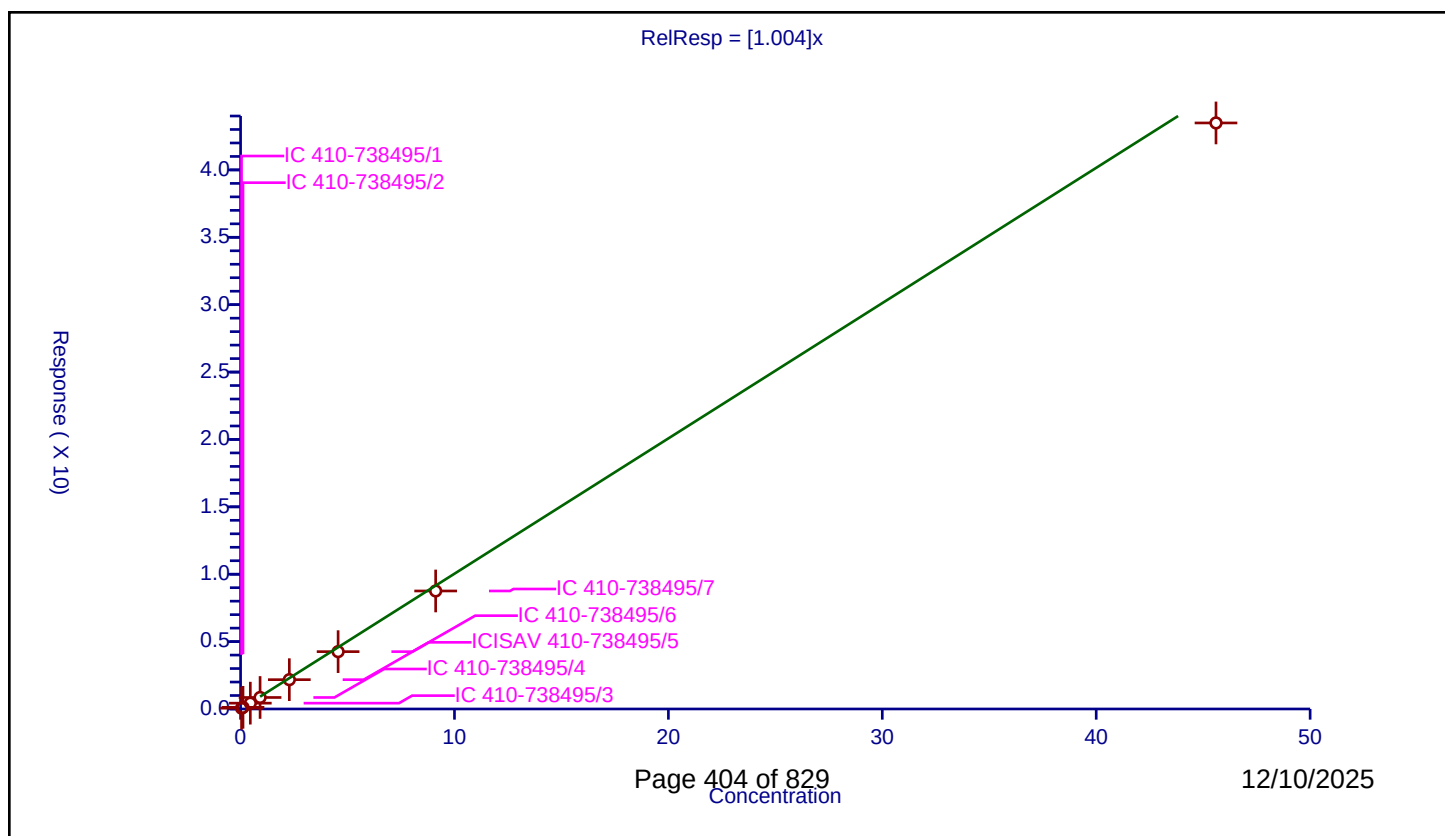
Curve Coefficients

Intercept: 0
Slope: 1.004

Error Coefficients

Relative Standard Deviation: 11.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.0456	0.057778	1.896	1673741.0	1.267062	Y
2	IC 410-738495/2	0.114	0.122974	1.896	1737553.0	1.078718	Y
3	IC 410-738495/3	0.456	0.432761	1.896	1741519.0	0.949038	Y
4	IC 410-738495/4	0.912	0.853052	1.896	1753544.0	0.935364	Y
5	ICISAV 410-738495/5	2.28	2.175377	1.896	1851022.0	0.954113	Y
6	IC 410-738495/6	4.56	4.254504	1.896	1742338.0	0.933005	Y
7	IC 410-738495/7	9.12	8.757712	1.896	1644777.0	0.960275	Y
8	IC 410-738495/8	45.6	43.486192	1.896	1304171.0	0.953645	Y



Calibration

/ Perfluorononanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

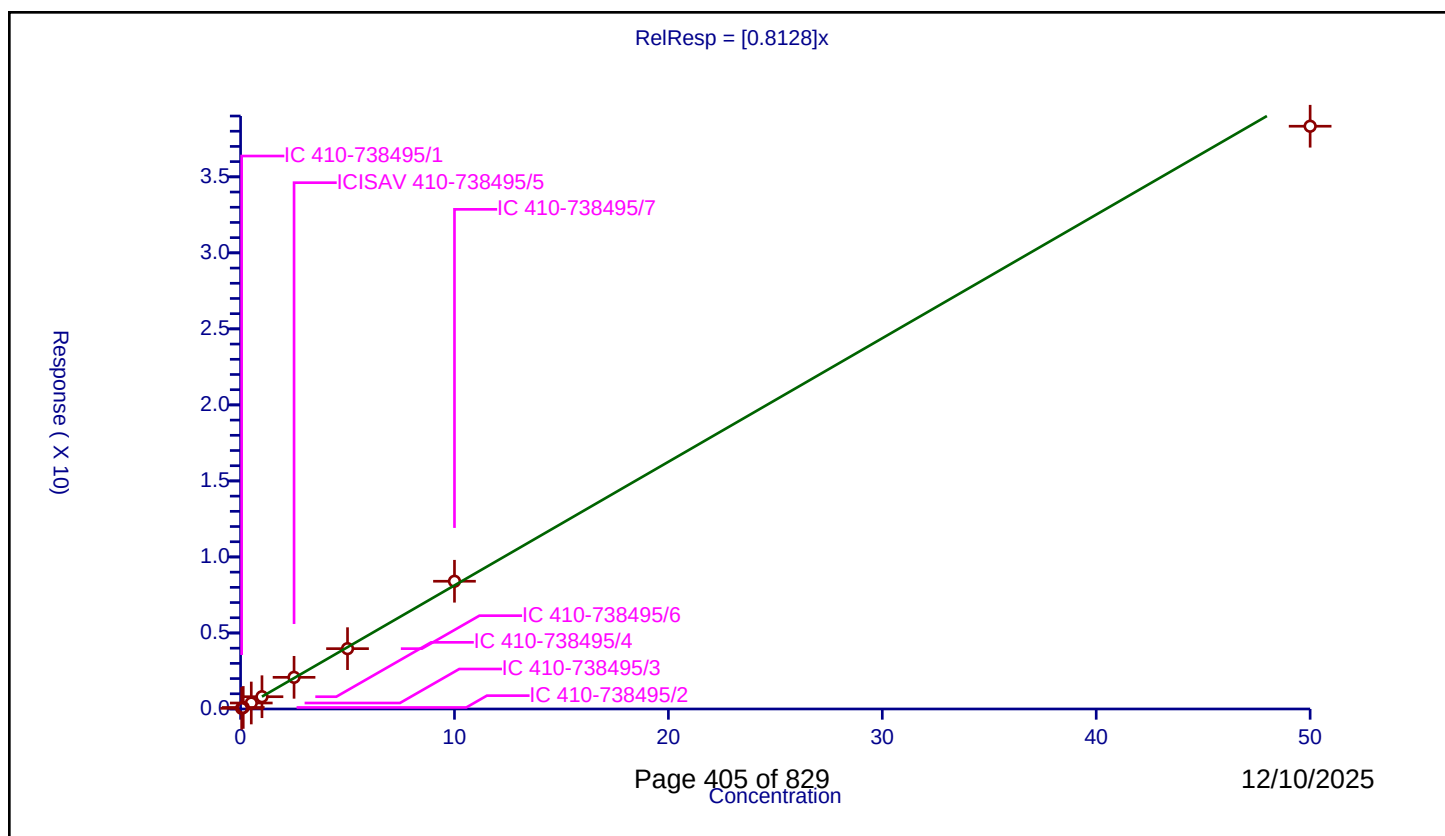
Curve Coefficients

Intercept: 0
Slope: 0.8128

Error Coefficients

Relative Standard Deviation: 4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.05	0.04359	2.0	2271680.0	0.871795	Y
2	IC 410-738495/2	0.125	0.100404	2.0	2347863.0	0.803229	Y
3	IC 410-738495/3	0.5	0.393406	2.0	2321328.0	0.786812	Y
4	IC 410-738495/4	1.0	0.807394	2.0	2272686.0	0.807394	Y
5	ICISAV 410-738495/5	2.5	2.08304	2.0	2350347.0	0.833216	Y
6	IC 410-738495/6	5.0	3.96798	2.0	2387176.0	0.793596	Y
7	IC 410-738495/7	10.0	8.401356	2.0	2281354.0	0.840136	Y
8	IC 410-738495/8	50.0	38.32765	2.0	1972086.0	0.766553	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

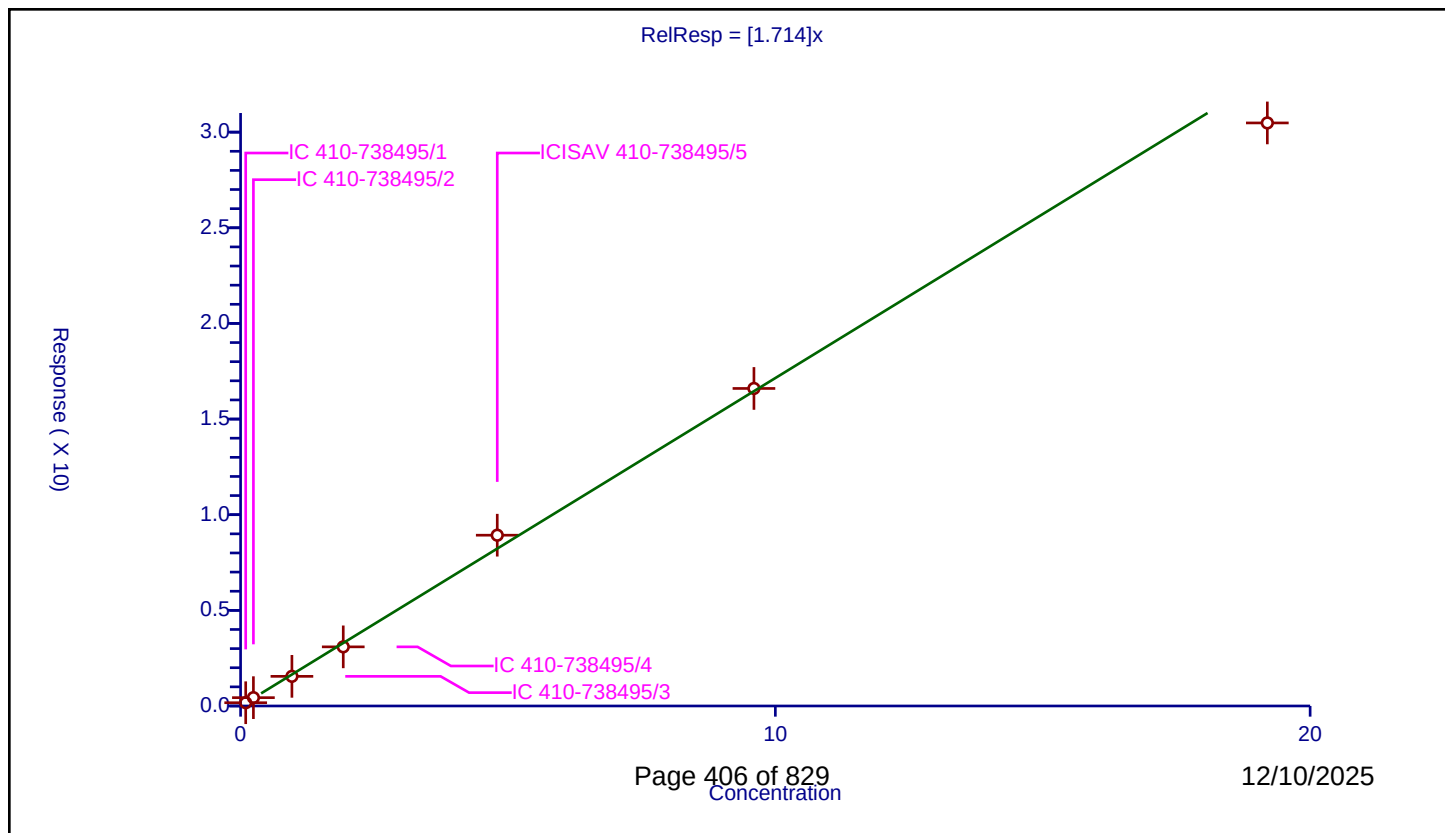
Curve Coefficients

Intercept: 0
Slope: 1.714

Error Coefficients

Relative Standard Deviation: 6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.096	0.171062	4.8	860518.0	1.781892	Y
2	IC 410-738495/2	0.24	0.436227	4.8	818117.0	1.817613	Y
3	IC 410-738495/3	0.96	1.549734	4.8	842139.0	1.614306	Y
4	IC 410-738495/4	1.92	3.090786	4.8	856245.0	1.609785	Y
5	ICISAV 410-738495/5	4.8	8.928837	4.8	790005.0	1.860174	Y
6	IC 410-738495/6	9.6	16.60069	4.8	755196.0	1.729239	Y
7	IC 410-738495/7	19.2	30.481728	4.8	744834.0	1.58759	Y



Calibration

/ PFECHS

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

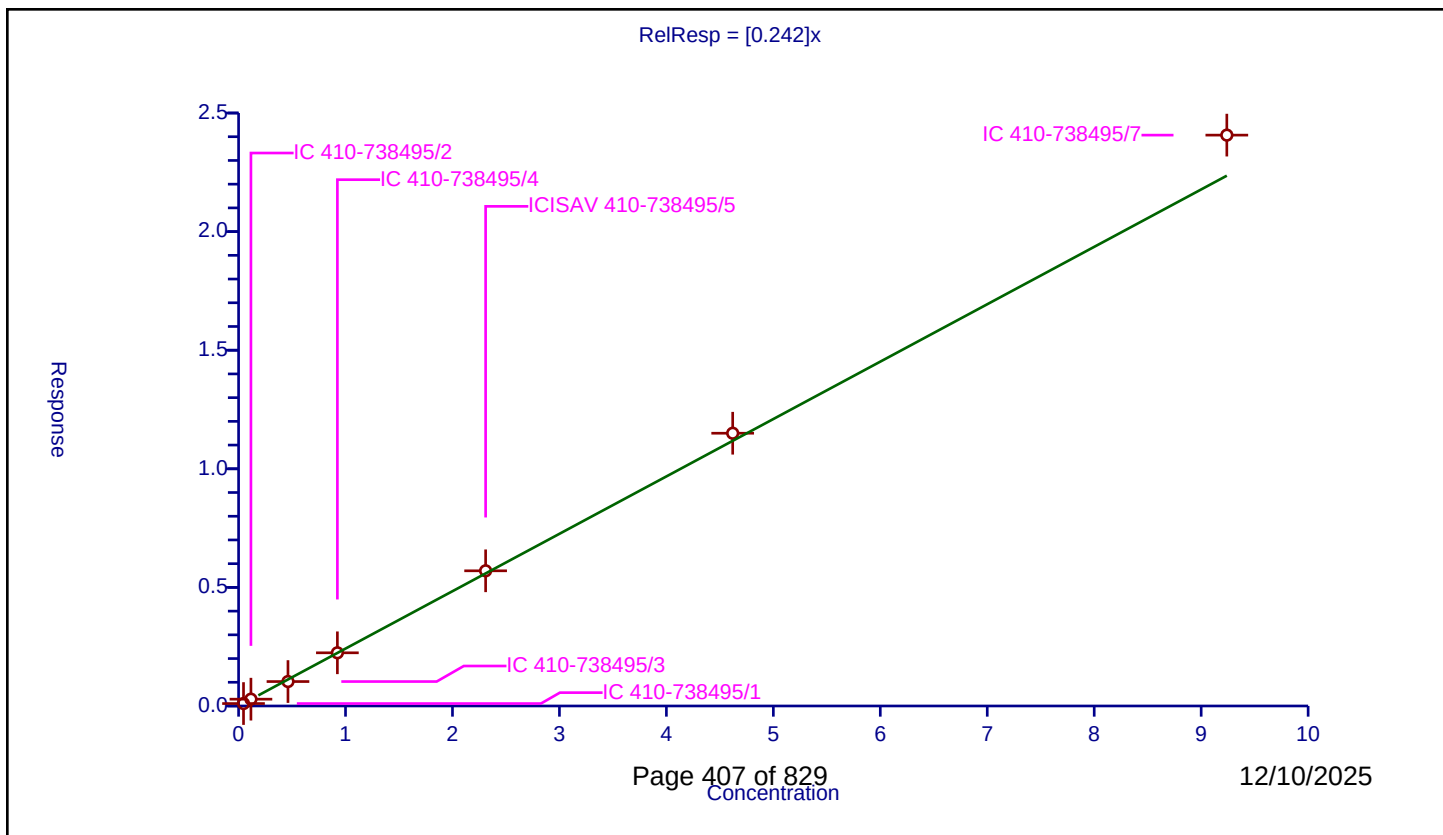
Curve Coefficients

Intercept: 0
Slope: 0.242

Error Coefficients

Relative Standard Deviation: 5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.0462	0.010289	1.896	1673741.0	0.222709	Y
2	IC 410-738495/2	0.1155	0.028777	1.896	1737553.0	0.24915	Y
3	IC 410-738495/3	0.462	0.103089	1.896	1741519.0	0.223137	Y
4	IC 410-738495/4	0.924	0.224186	1.896	1753544.0	0.242626	Y
5	ICISAV 410-738495/5	2.31	0.569992	1.896	1851022.0	0.24675	Y
6	IC 410-738495/6	4.62	1.149938	1.896	1742338.0	0.248904	Y
7	IC 410-738495/7	9.24	2.40685	1.896	1644777.0	0.260482	Y



Calibration

/ Perfluoroheptanesulfonic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

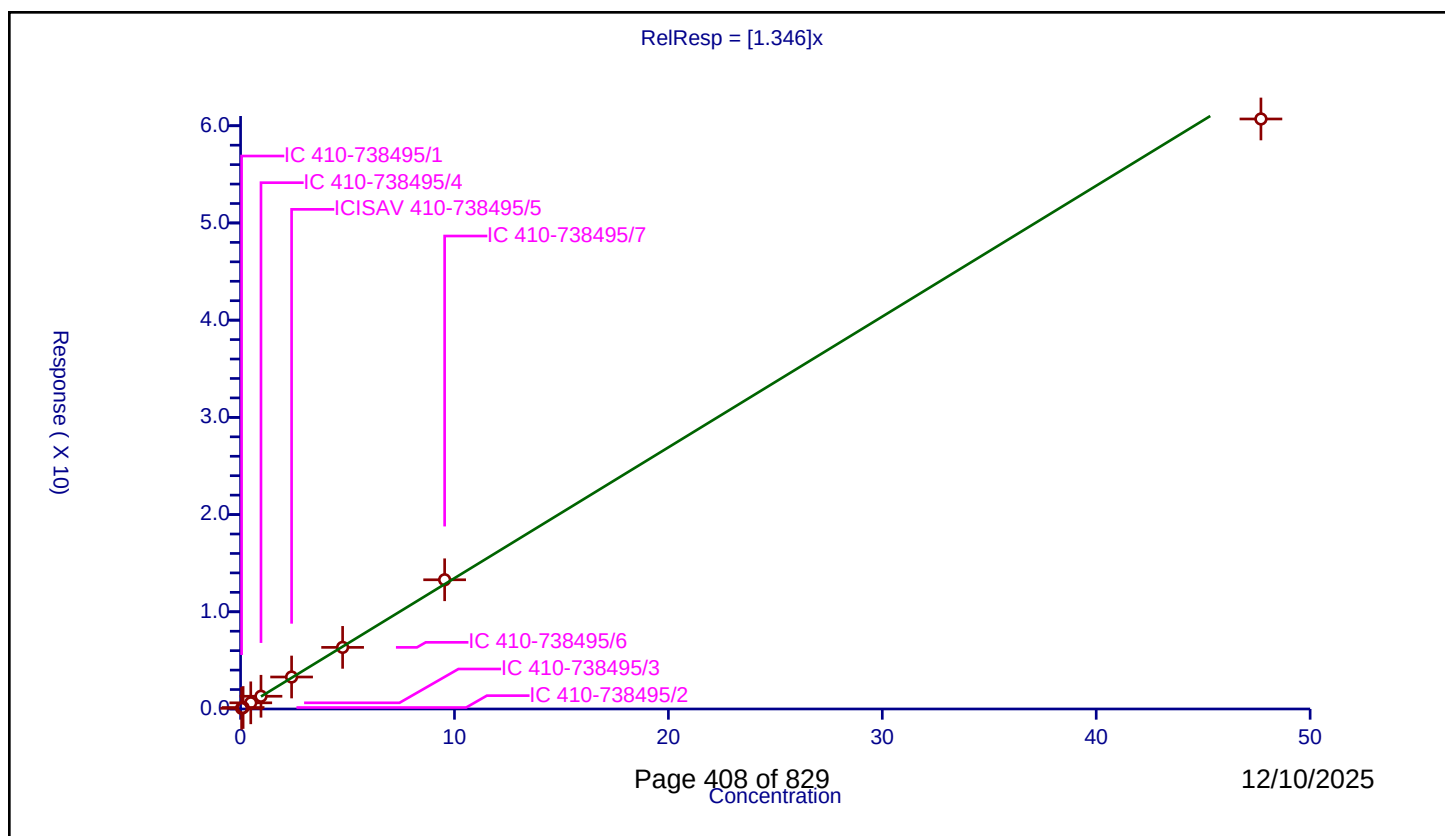
Curve Coefficients

Intercept: 0
Slope: 1.346

Error Coefficients

Relative Standard Deviation: 4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.0477	0.06753	1.916	1489160.0	1.415726	Y
2	IC 410-738495/2	0.11925	0.151223	1.916	1513093.0	1.268117	Y
3	IC 410-738495/3	0.477	0.635824	1.916	1543059.0	1.332965	Y
4	IC 410-738495/4	0.954	1.310865	1.916	1424413.0	1.374072	Y
5	ICISAV 410-738495/5	2.385	3.290326	1.916	1515763.0	1.379591	Y
6	IC 410-738495/6	4.77	6.338832	1.916	1487297.0	1.328896	Y
7	IC 410-738495/7	9.54	13.291872	1.916	1390126.0	1.393278	Y
8	IC 410-738495/8	47.7	60.69567	1.916	1132004.0	1.272446	Y



Calibration

/ N-methylperfluorooctanesulfonamidoacetic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

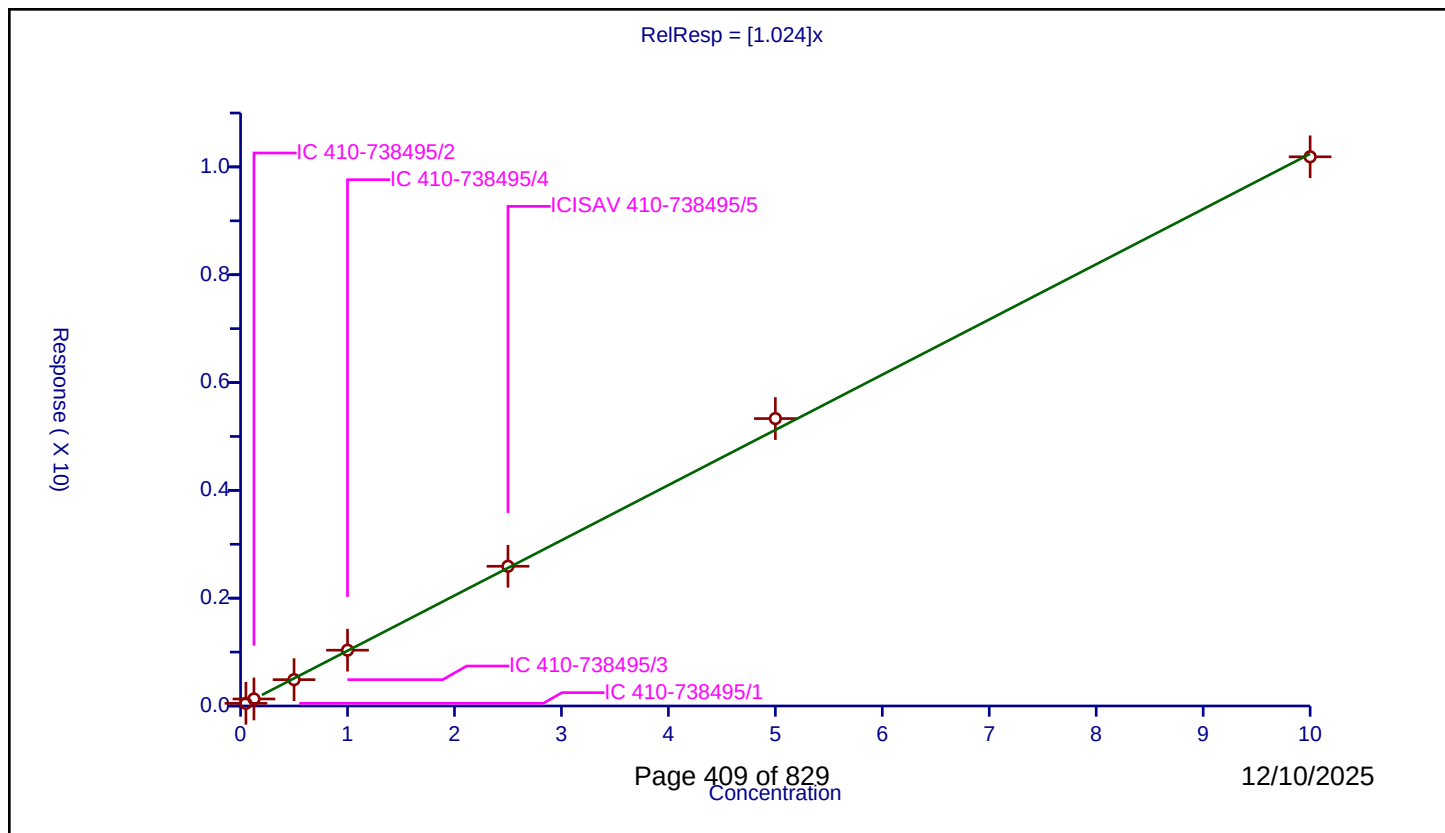
Curve Coefficients

Intercept: 0
 Slope: 1.024

Error Coefficients

Relative Standard Deviation: 3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.05	0.049667	5.0	1566937.0	0.993339	Y
2	IC 410-738495/2	0.125	0.130379	5.0	1623918.0	1.043033	Y
3	IC 410-738495/3	0.5	0.488258	5.0	1639512.0	0.976516	Y
4	IC 410-738495/4	1.0	1.03505	5.0	1607101.0	1.03505	Y
5	ICISAV 410-738495/5	2.5	2.591813	5.0	1694777.0	1.036725	Y
6	IC 410-738495/6	5.0	5.332089	5.0	1545687.0	1.066418	Y
7	IC 410-738495/7	10.0	10.187708	5.0	1548522.0	1.018771	Y



Calibration

/ Perfluorodecanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

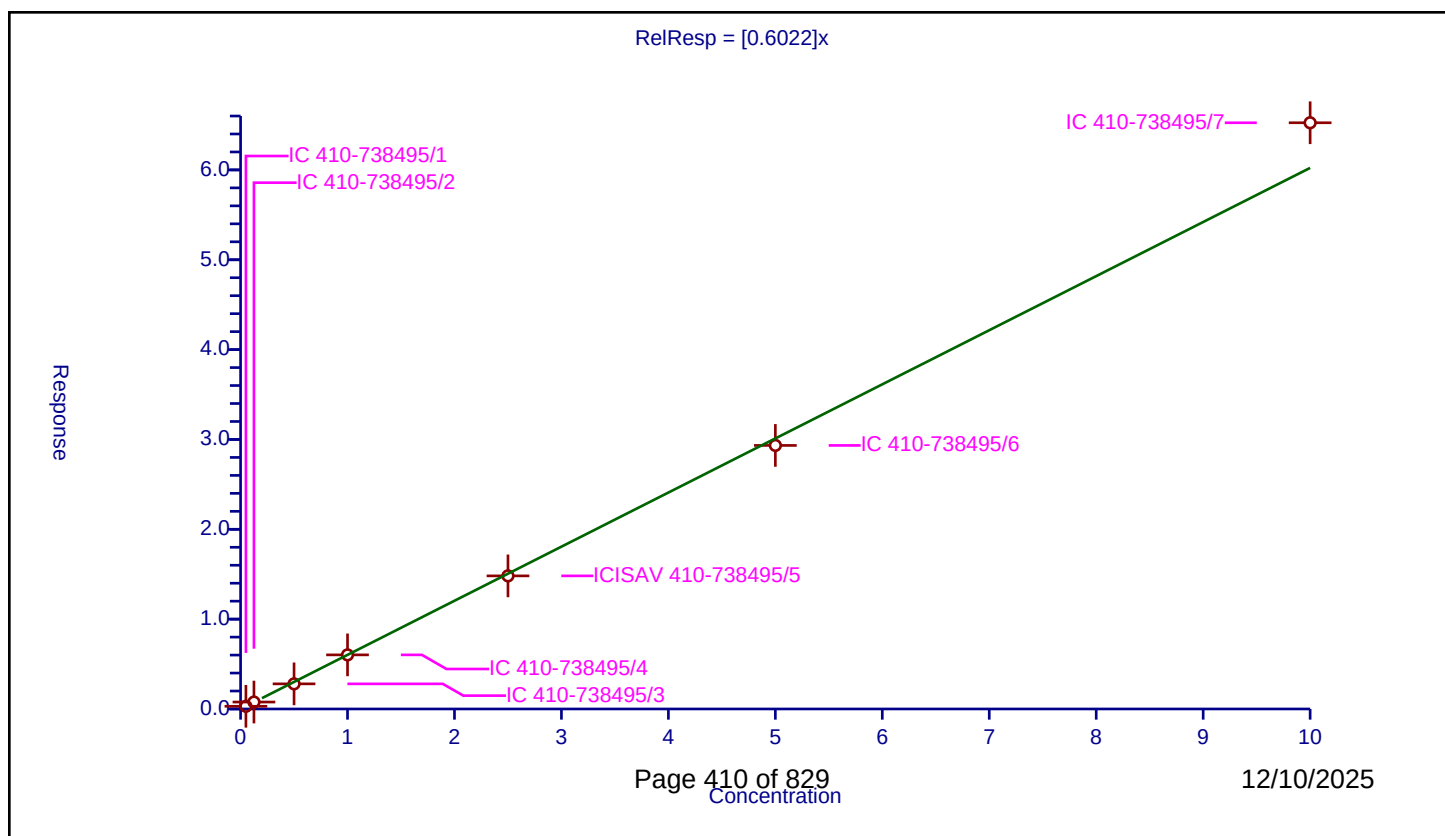
Curve Coefficients

Intercept: 0
Slope: 0.6022

Error Coefficients

Relative Standard Deviation: 4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.05	0.03019	2.0	2425478.0	0.603807	Y
2	IC 410-738495/2	0.125	0.077303	2.0	2412793.0	0.618424	Y
3	IC 410-738495/3	0.5	0.279702	2.0	2503832.0	0.559403	Y
4	IC 410-738495/4	1.0	0.602224	2.0	2378309.0	0.602224	Y
5	ICISAV 410-738495/5	2.5	1.481583	2.0	2519580.0	0.592633	Y
6	IC 410-738495/6	5.0	2.933403	2.0	2314046.0	0.586681	Y
7	IC 410-738495/7	10.0	6.524765	2.0	2334008.0	0.652477	Y



Calibration

/ FHxSA

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

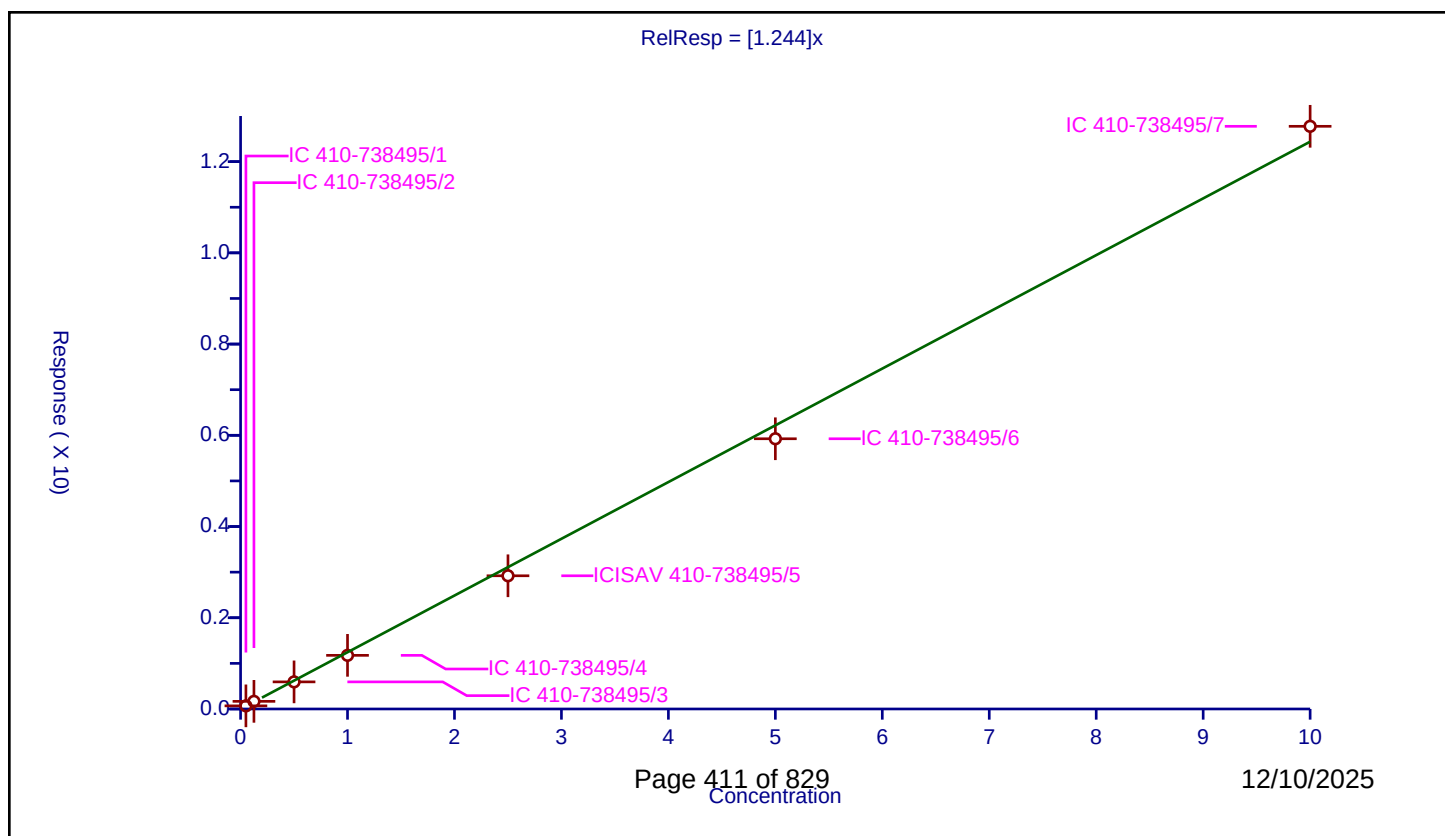
Curve Coefficients

Intercept: 0
Slope: 1.244

Error Coefficients

Relative Standard Deviation: 6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.05	0.068639	1.896	1673741.0	1.372785	Y
2	IC 410-738495/2	0.125	0.167361	1.896	1737553.0	1.33889	Y
3	IC 410-738495/3	0.5	0.594044	1.896	1741519.0	1.188088	Y
4	IC 410-738495/4	1.0	1.175721	1.896	1753544.0	1.175721	Y
5	ICISAV 410-738495/5	2.5	2.920762	1.896	1851022.0	1.168305	Y
6	IC 410-738495/6	5.0	5.924477	1.896	1742338.0	1.184895	Y
7	IC 410-738495/7	10.0	12.774095	1.896	1644777.0	1.277409	Y



Calibration

/ N-ethylperfluorooctanesulfonamidoacetic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

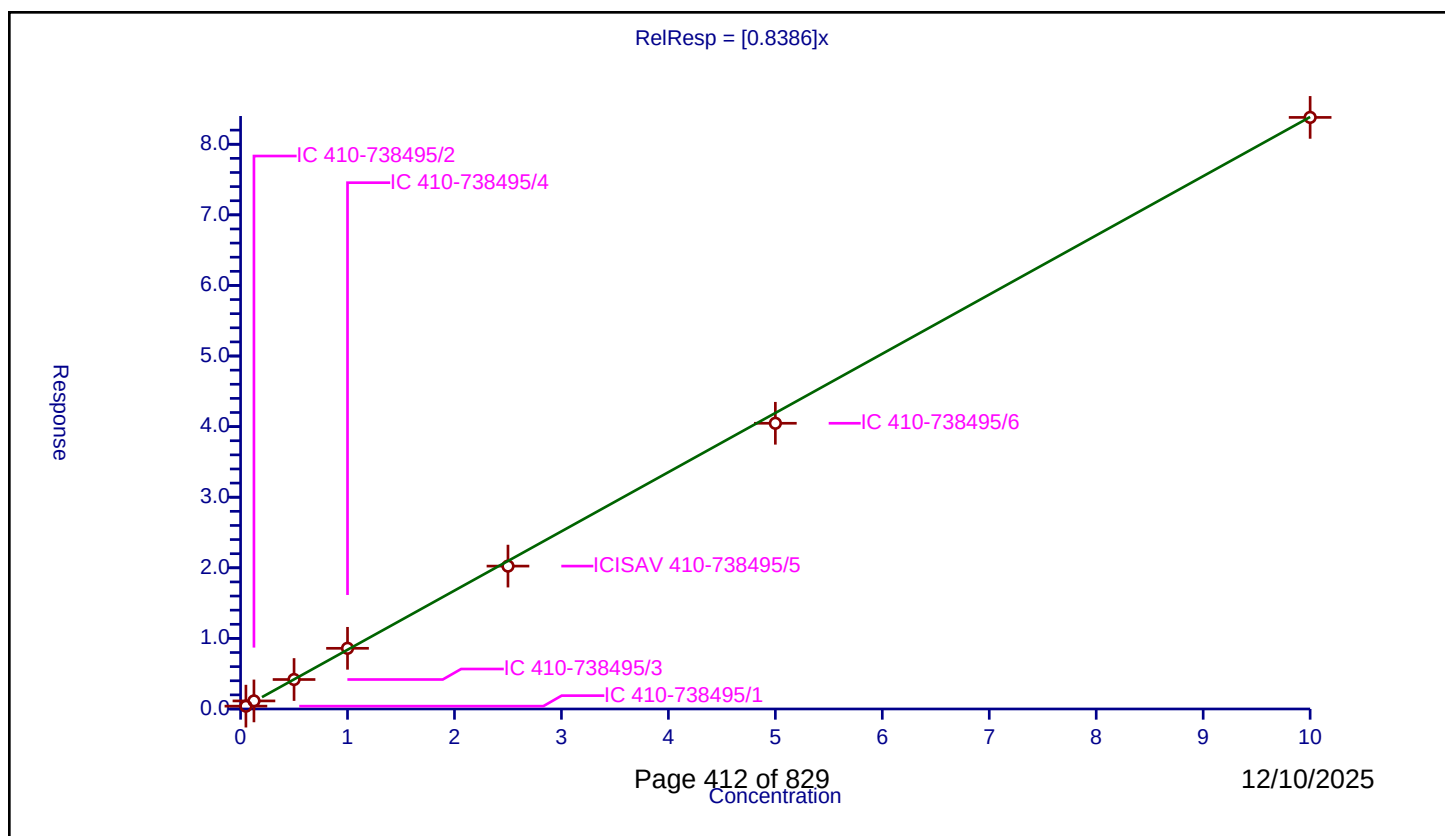
Curve Coefficients

Intercept: 0
Slope: 0.8386

Error Coefficients

Relative Standard Deviation: 4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.05	0.040165	5.0	1385299.0	0.803292	Y
2	IC 410-738495/2	0.125	0.114412	5.0	1408113.0	0.915296	Y
3	IC 410-738495/3	0.5	0.417522	5.0	1406658.0	0.835043	Y
4	IC 410-738495/4	1.0	0.859683	5.0	1341285.0	0.859683	Y
5	ICISAV 410-738495/5	2.5	2.024126	5.0	1540603.0	0.809651	Y
6	IC 410-738495/6	5.0	4.047468	5.0	1412152.0	0.809494	Y
7	IC 410-738495/7	10.0	8.380324	5.0	1424720.0	0.838032	Y



Calibration

/ Perfluorooctanesulfonic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

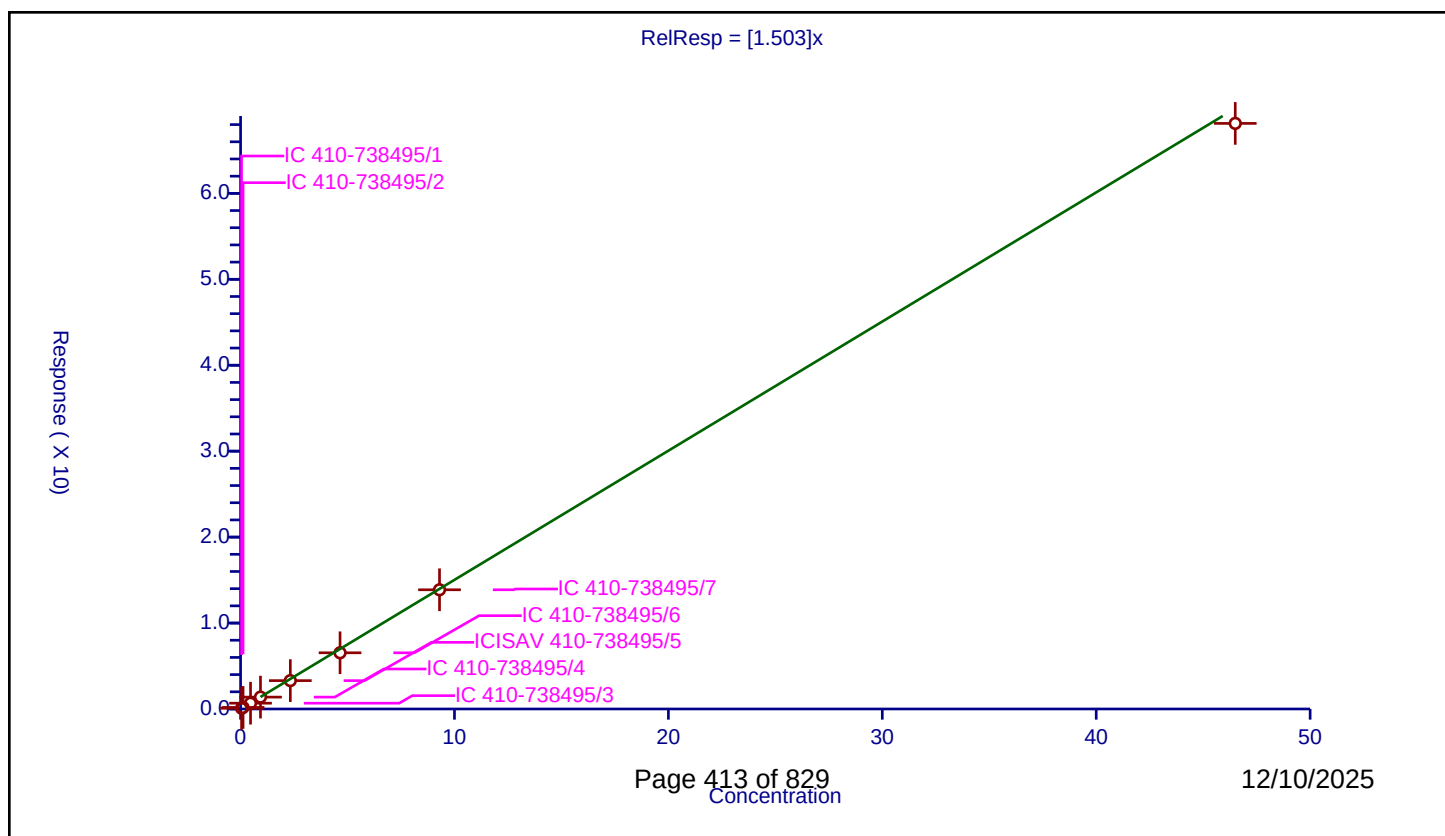
Curve Coefficients

Intercept: 0
Slope: 1.503

Error Coefficients

Relative Standard Deviation: 7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.0465	0.080717	1.916	1489160.0	1.735846	Y
2	IC 410-738495/2	0.11625	0.182072	1.916	1513093.0	1.566212	Y
3	IC 410-738495/3	0.465	0.674068	1.916	1543059.0	1.44961	Y
4	IC 410-738495/4	0.93	1.383722	1.916	1424413.0	1.487873	Y
5	ICISAV 410-738495/5	2.325	3.29948	1.916	1515763.0	1.419131	Y
6	IC 410-738495/6	4.65	6.540369	1.916	1487297.0	1.406531	Y
7	IC 410-738495/7	9.3	13.872497	1.916	1390126.0	1.491666	Y
8	IC 410-738495/8	46.5	68.14158	1.916	1132004.0	1.46541	Y



Calibration

/ Perfluoroundecanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

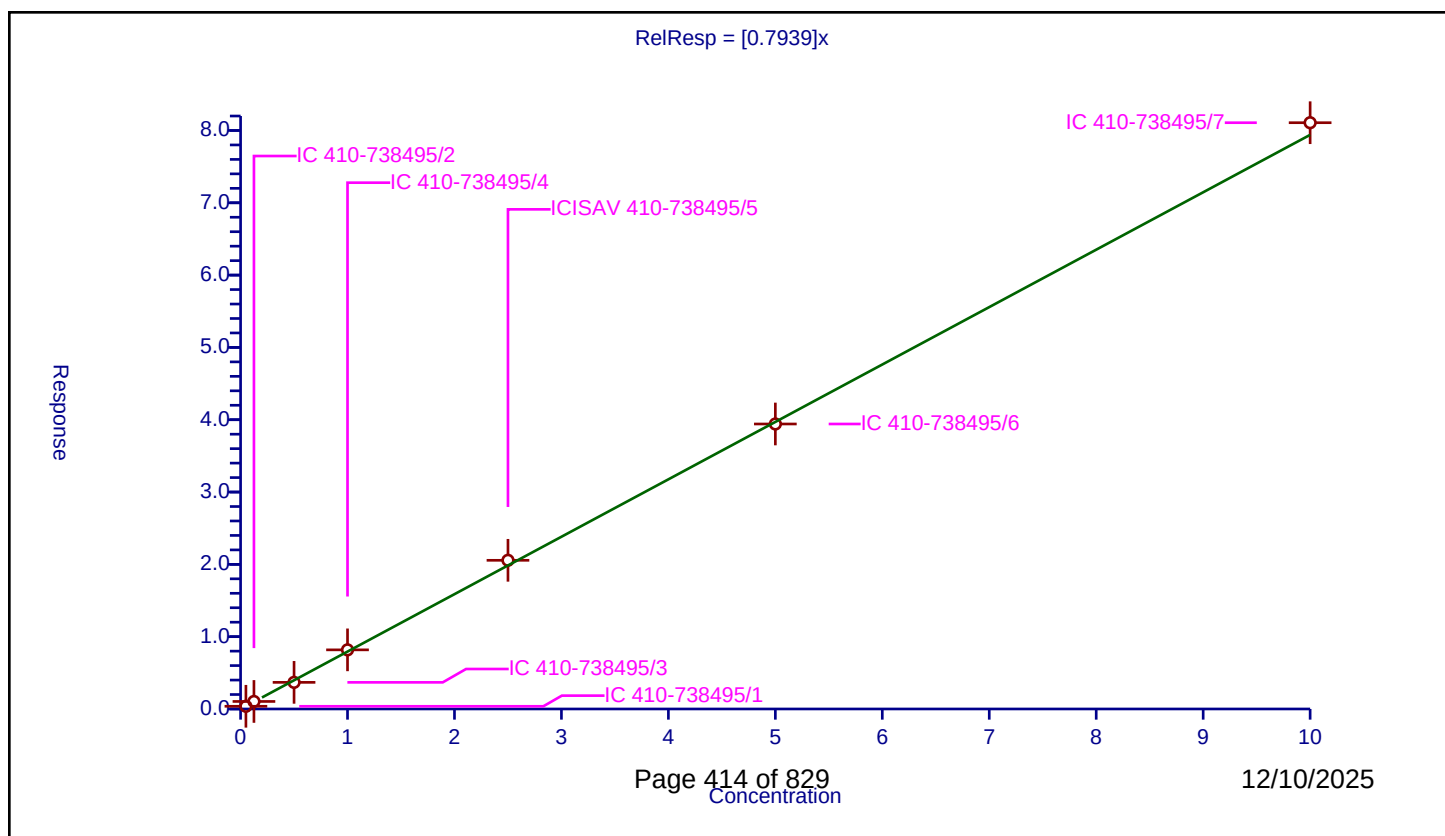
Curve Coefficients

Intercept: 0
Slope: 0.7939

Error Coefficients

Relative Standard Deviation: 4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.05	0.037436	2.0	2786484.0	0.748729	Y
2	IC 410-738495/2	0.125	0.10416	2.0	2625896.0	0.833282	Y
3	IC 410-738495/3	0.5	0.368266	2.0	2659384.0	0.736531	Y
4	IC 410-738495/4	1.0	0.817697	2.0	2640915.0	0.817697	Y
5	ICISAV 410-738495/5	2.5	2.056099	2.0	2649231.0	0.82244	Y
6	IC 410-738495/6	5.0	3.941048	2.0	2586925.0	0.78821	Y
7	IC 410-738495/7	10.0	8.107276	2.0	2529605.0	0.810728	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

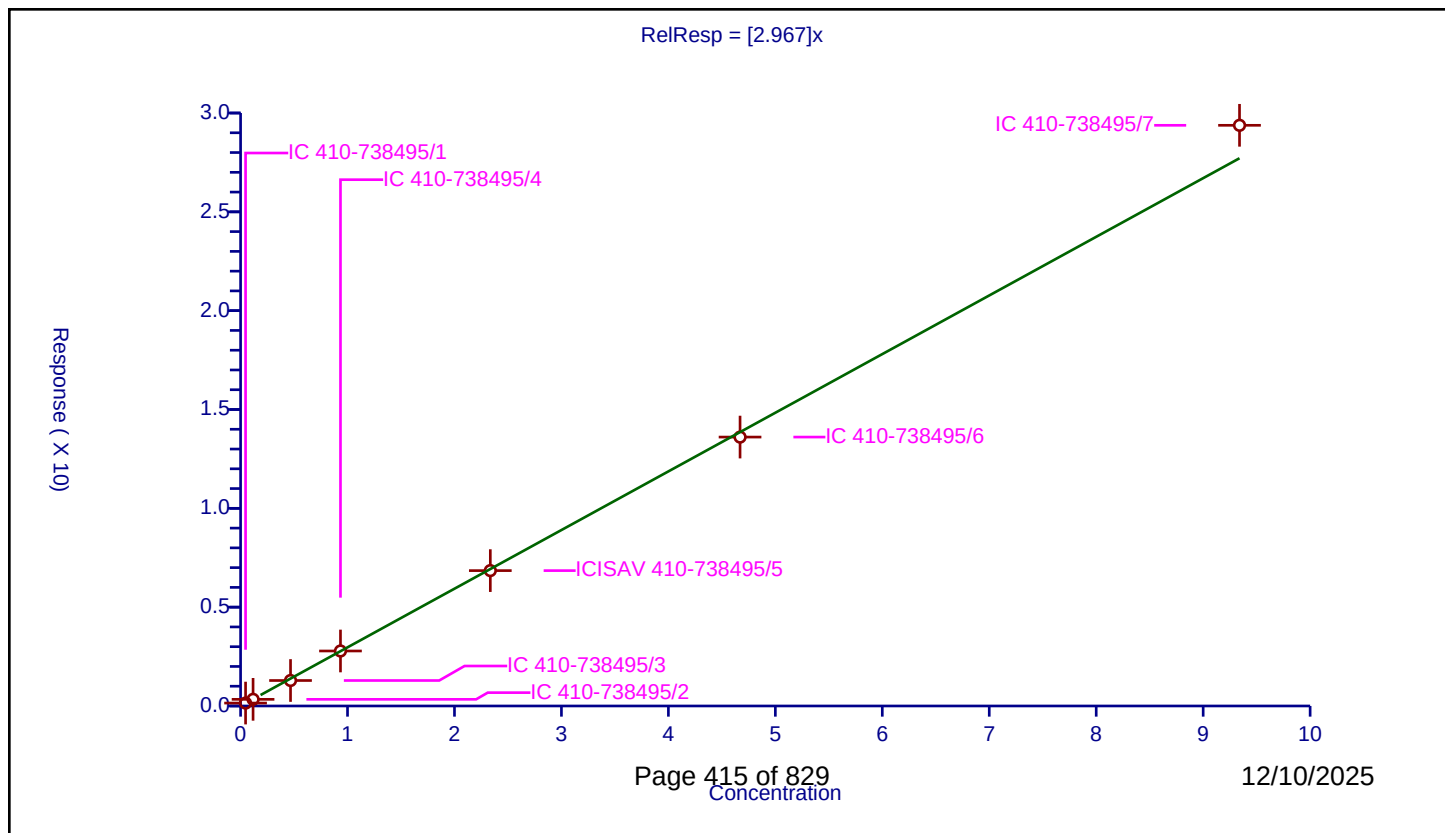
Curve Coefficients

Intercept: 0
 Slope: 2.967

Error Coefficients

Relative Standard Deviation: 4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.0467	0.147222	1.916	1489160.0	3.152495	Y
2	IC 410-738495/2	0.11675	0.336838	1.916	1513093.0	2.885124	Y
3	IC 410-738495/3	0.467	1.289003	1.916	1543059.0	2.760177	Y
4	IC 410-738495/4	0.934	2.782934	1.916	1424413.0	2.979586	Y
5	ICISAV 410-738495/5	2.335	6.84945	1.916	1515763.0	2.933383	Y
6	IC 410-738495/6	4.67	13.604652	1.916	1487297.0	2.913202	Y
7	IC 410-738495/7	9.34	29.377893	1.916	1390126.0	3.145385	Y



Calibration

/ Perfluorononanesulfonic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

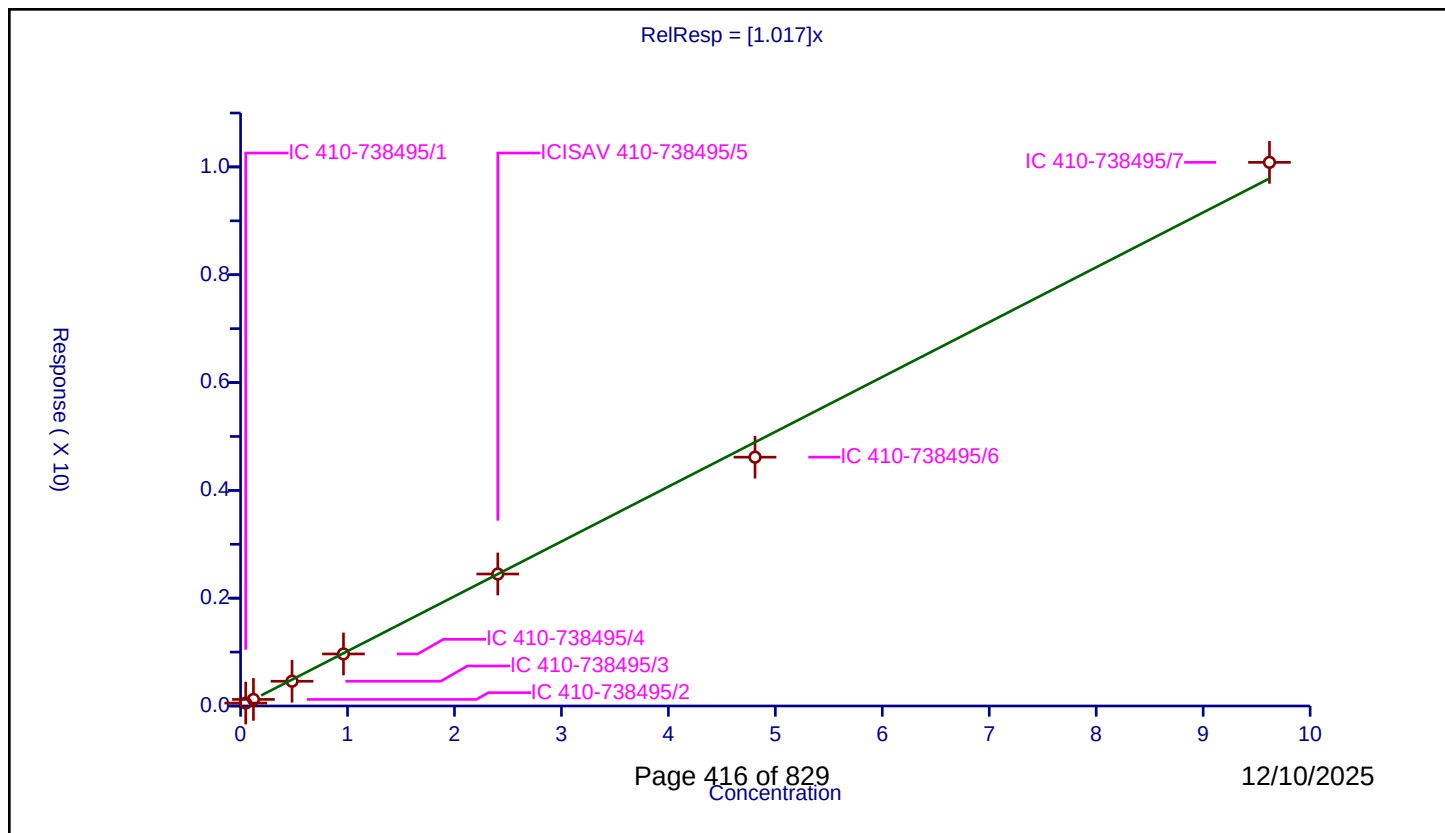
Curve Coefficients

Intercept: 0
Slope: 1.017

Error Coefficients

Relative Standard Deviation: 5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.0481	0.054156	1.916	1489160.0	1.125896	Y
2	IC 410-738495/2	0.12025	0.121702	1.916	1513093.0	1.012077	Y
3	IC 410-738495/3	0.481	0.458633	1.916	1543059.0	0.953499	Y
4	IC 410-738495/4	0.962	0.965154	1.916	1424413.0	1.003279	Y
5	ICISAV 410-738495/5	2.405	2.448324	1.916	1515763.0	1.018014	Y
6	IC 410-738495/6	4.81	4.615712	1.916	1487297.0	0.959607	Y
7	IC 410-738495/7	9.62	10.084794	1.916	1390126.0	1.048315	Y



Calibration

/ Perfluorododecanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

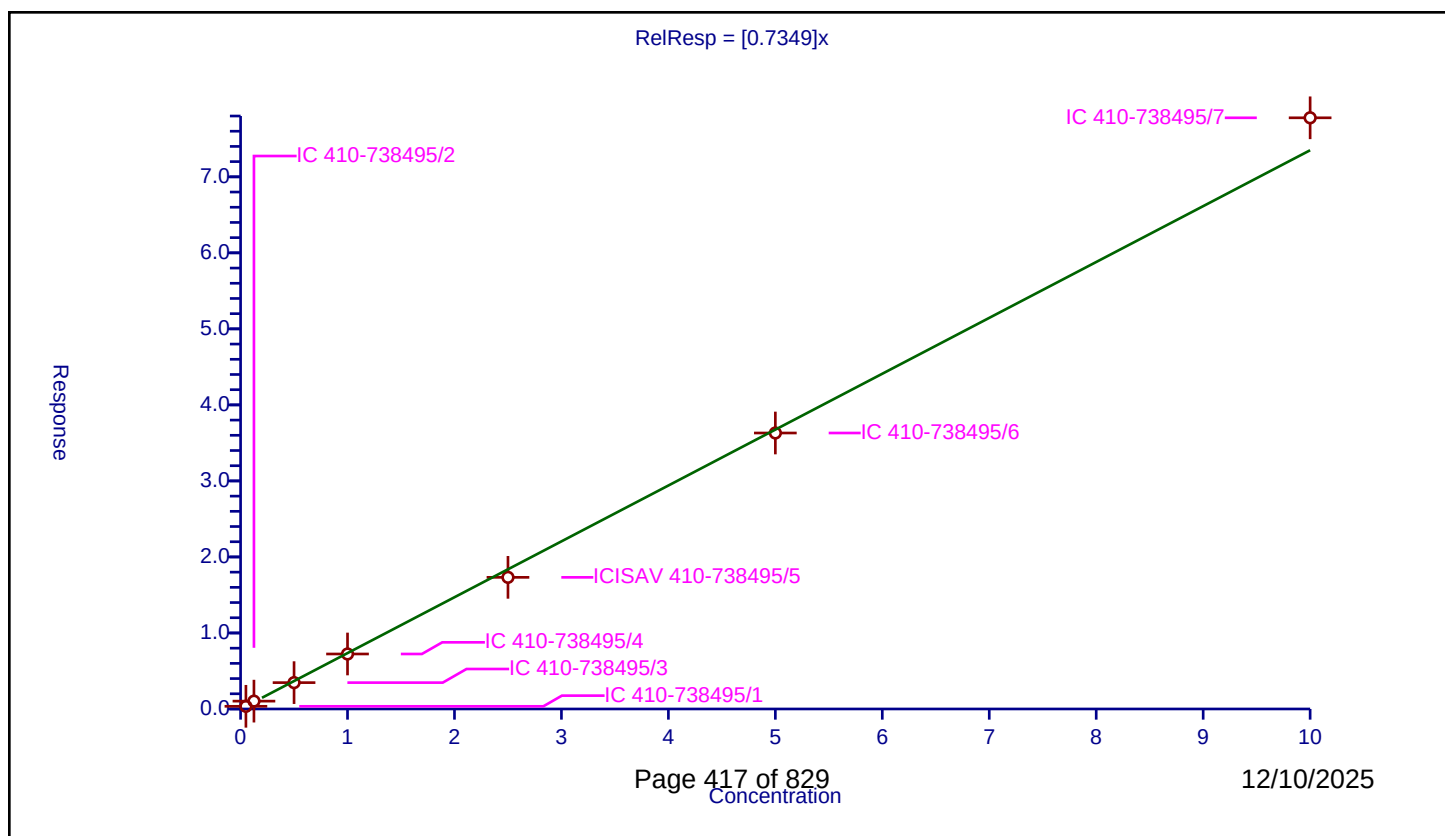
Curve Coefficients

Intercept: 0
Slope: 0.7349

Error Coefficients

Relative Standard Deviation: 6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.05	0.035214	2.0	2426621.0	0.704288	Y
2	IC 410-738495/2	0.125	0.103344	2.0	2410102.0	0.826753	Y
3	IC 410-738495/3	0.5	0.346902	2.0	2480155.0	0.693803	Y
4	IC 410-738495/4	1.0	0.723406	2.0	2387778.0	0.723406	Y
5	ICISAV 410-738495/5	2.5	1.731586	2.0	2566487.0	0.692634	Y
6	IC 410-738495/6	5.0	3.63051	2.0	2444329.0	0.726102	Y
7	IC 410-738495/7	10.0	7.776575	2.0	2253665.0	0.777658	Y



Calibration

/ Perfluorodecanesulfonic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

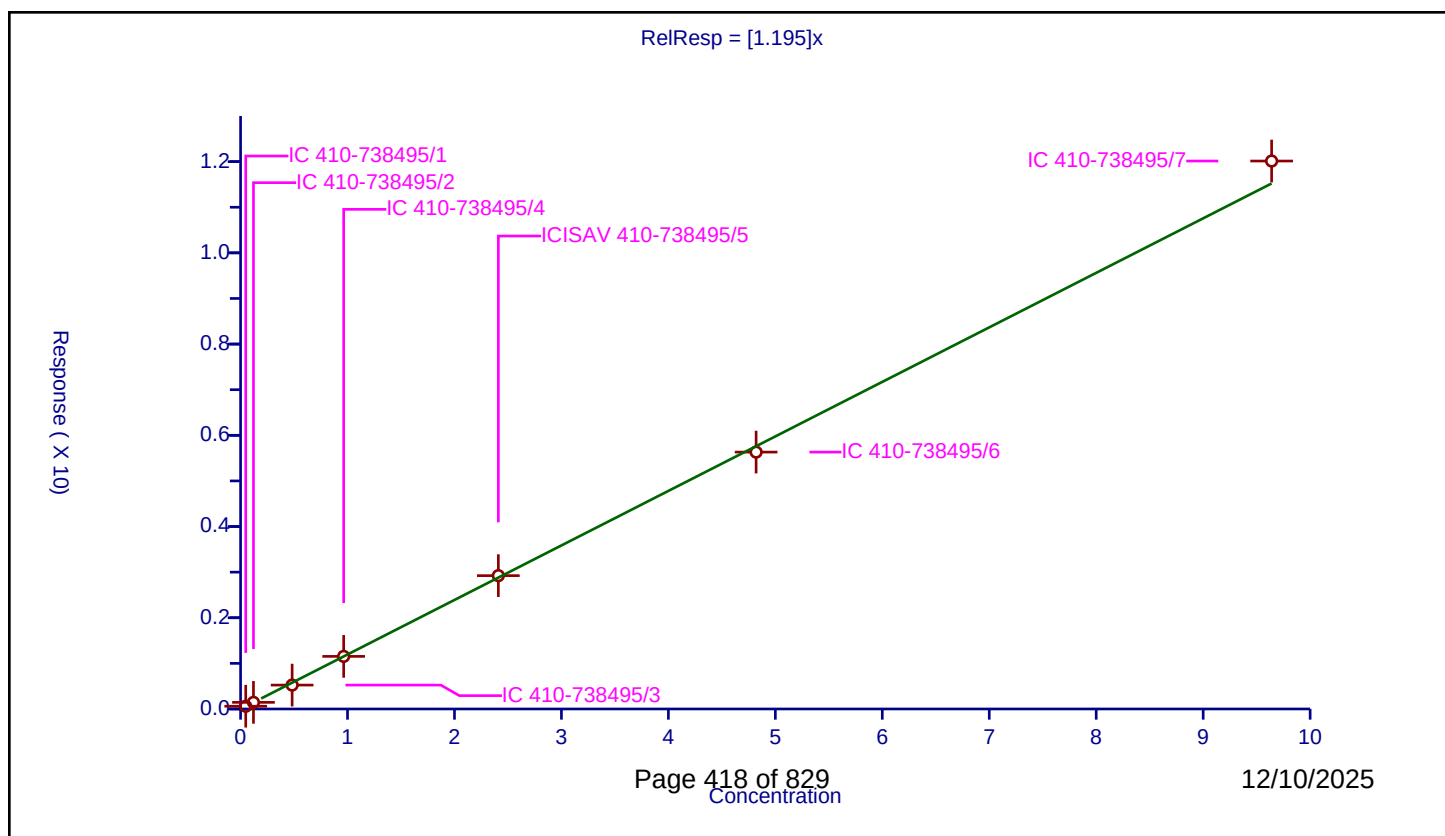
Curve Coefficients

Intercept: 0
 Slope: 1.195

Error Coefficients

Relative Standard Deviation: 4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.0482	0.06027	1.916	1489160.0	1.250408	Y
2	IC 410-738495/2	0.1205	0.145144	1.916	1513093.0	1.204511	Y
3	IC 410-738495/3	0.482	0.524127	1.916	1543059.0	1.0874	Y
4	IC 410-738495/4	0.964	1.153328	1.916	1424413.0	1.196398	Y
5	ICISAV 410-738495/5	2.41	2.923201	1.916	1515763.0	1.212947	Y
6	IC 410-738495/6	4.82	5.631726	1.916	1487297.0	1.168408	Y
7	IC 410-738495/7	9.64	12.012944	1.916	1390126.0	1.246156	Y



Calibration

/ Perfluorooctanesulfonamide

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

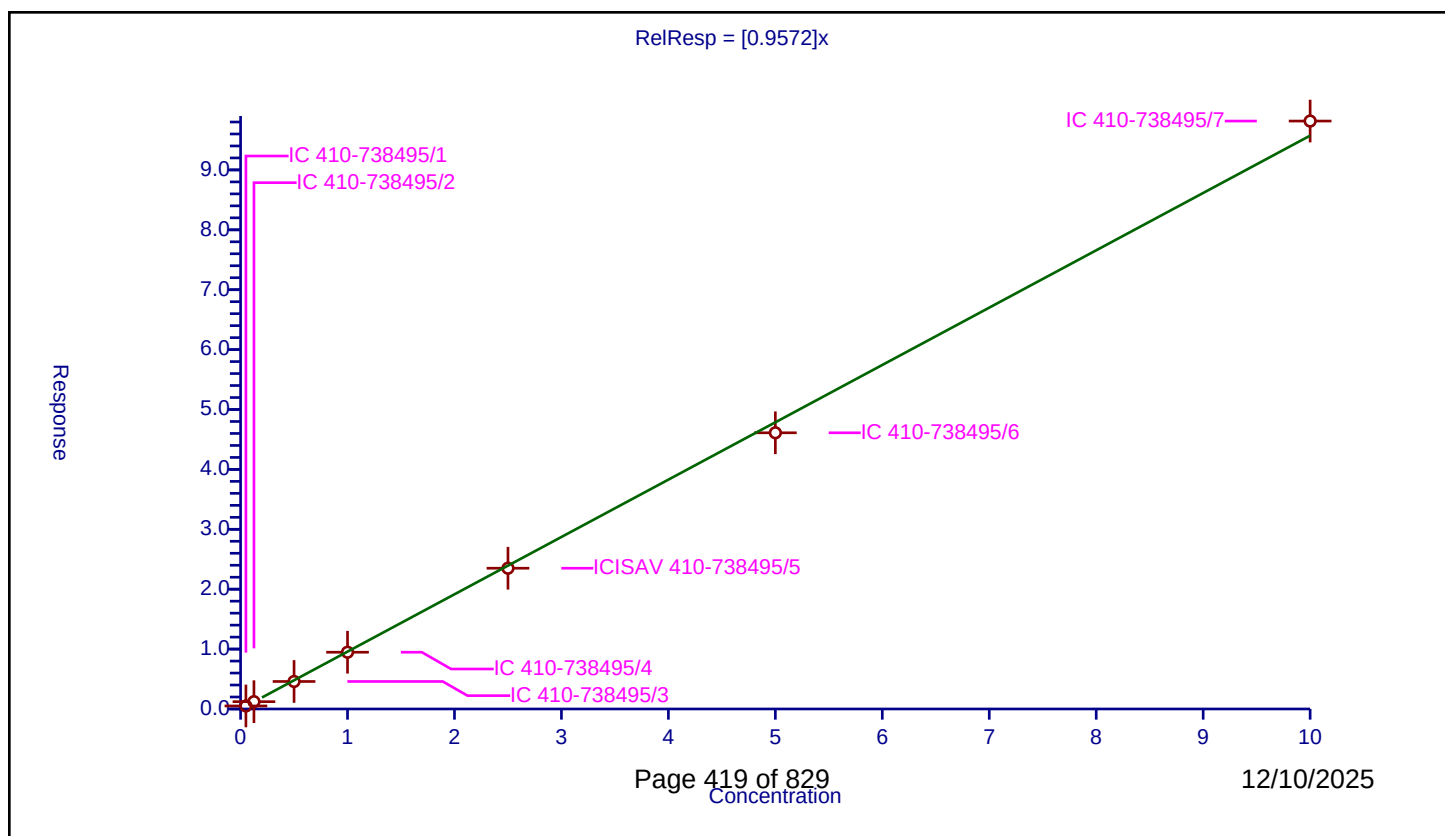
Curve Coefficients

Intercept: 0
Slope: 0.9572

Error Coefficients

Relative Standard Deviation: 3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.05	0.050641	2.0	1795644.0	1.012829	Y
2	IC 410-738495/2	0.125	0.122251	2.0	1847006.0	0.978007	Y
3	IC 410-738495/3	0.5	0.459138	2.0	1844579.0	0.918276	Y
4	IC 410-738495/4	1.0	0.947472	2.0	1769105.0	0.947472	Y
5	ICISAV 410-738495/5	2.5	2.350268	2.0	1835668.0	0.940107	Y
6	IC 410-738495/6	5.0	4.611126	2.0	1787504.0	0.922225	Y
7	IC 410-738495/7	10.0	9.815682	2.0	1745881.0	0.981568	Y



Calibration

/ Perfluorotridecanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

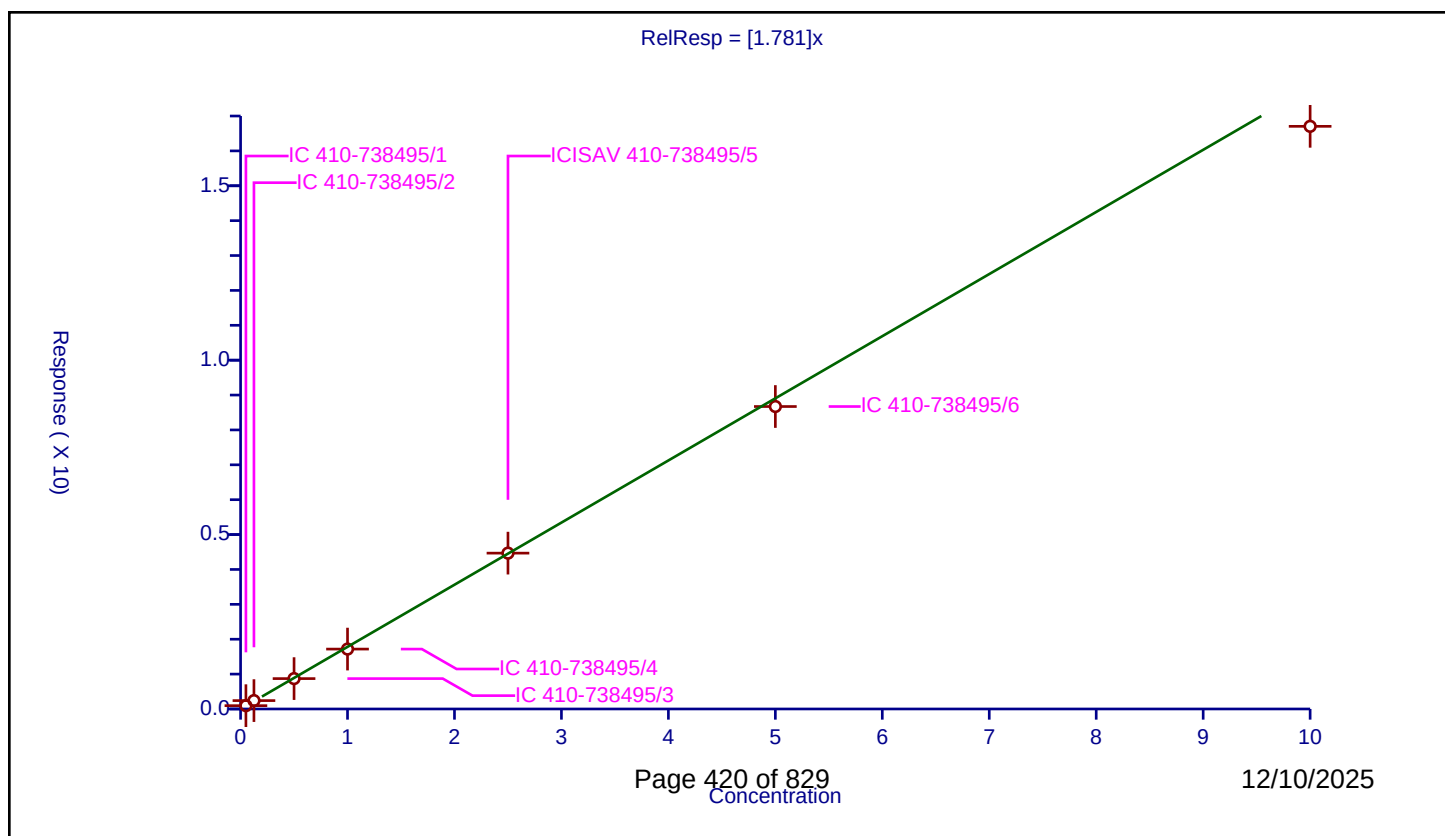
Curve Coefficients

Intercept: 0
Slope: 1.781

Error Coefficients

Relative Standard Deviation: 5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.05	0.094808	2.0	1484880.0	1.896153	Y
2	IC 410-738495/2	0.125	0.24012	2.0	1511842.0	1.920963	Y
3	IC 410-738495/3	0.5	0.870988	2.0	1500087.0	1.741976	Y
4	IC 410-738495/4	1.0	1.717277	2.0	1545264.0	1.717277	Y
5	ICISAV 410-738495/5	2.5	4.468148	2.0	1492608.0	1.787259	Y
6	IC 410-738495/6	5.0	8.671688	2.0	1473752.0	1.734338	Y
7	IC 410-738495/7	10.0	16.70424	2.0	1482031.0	1.670424	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

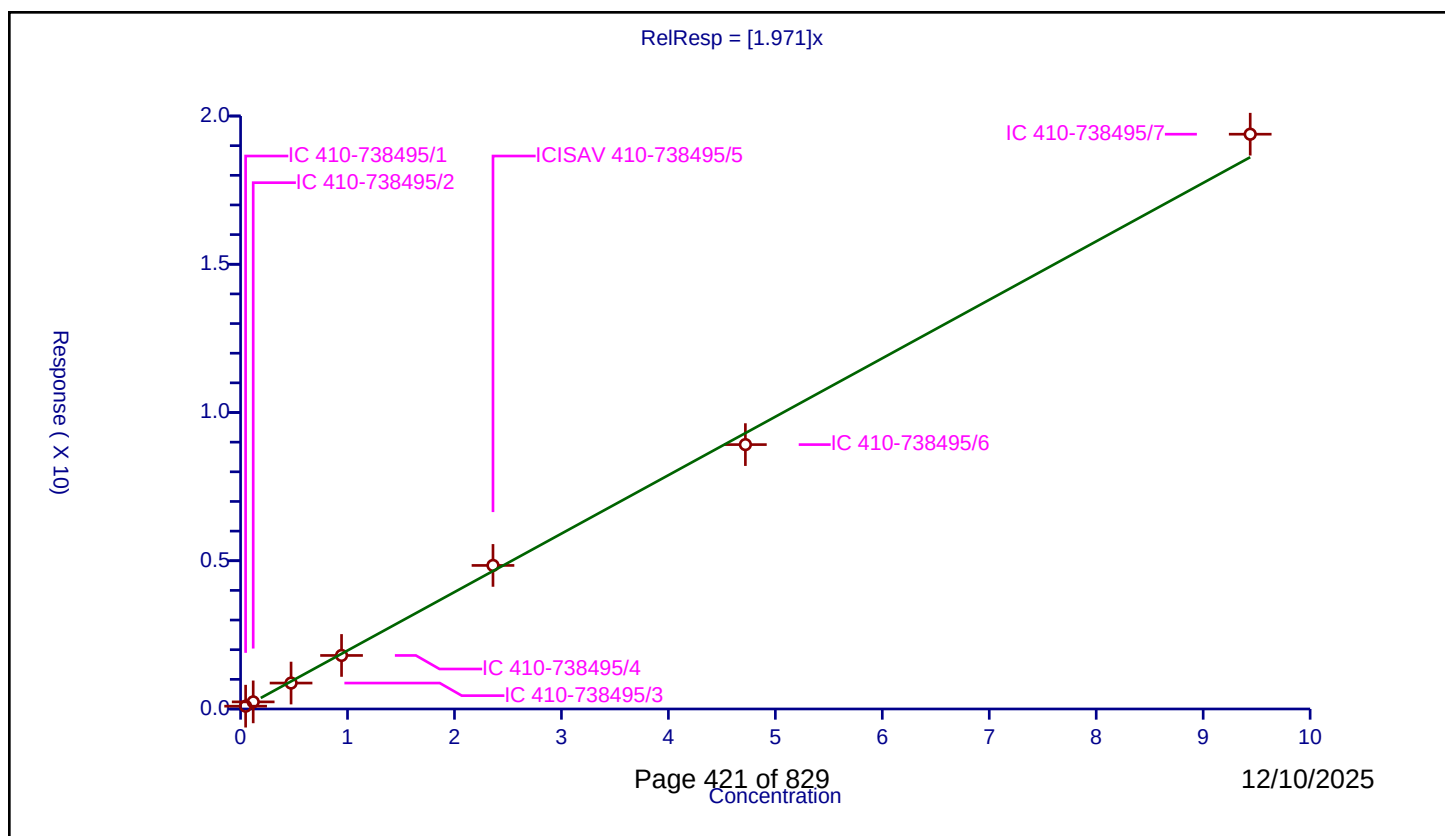
Curve Coefficients

Intercept: 0
Slope: 1.971

Error Coefficients

Relative Standard Deviation: 4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.0472	0.094787	1.916	1489160.0	2.008208	Y
2	IC 410-738495/2	0.118	0.23965	1.916	1513093.0	2.030931	Y
3	IC 410-738495/3	0.472	0.874846	1.916	1543059.0	1.853487	Y
4	IC 410-738495/4	0.944	1.805787	1.916	1424413.0	1.91291	Y
5	ICISAV 410-738495/5	2.36	4.842414	1.916	1515763.0	2.051871	Y
6	IC 410-738495/6	4.72	8.917357	1.916	1487297.0	1.889271	Y
7	IC 410-738495/7	9.44	19.386568	1.916	1390126.0	2.053662	Y



Calibration

/ Perfluorotetradecanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

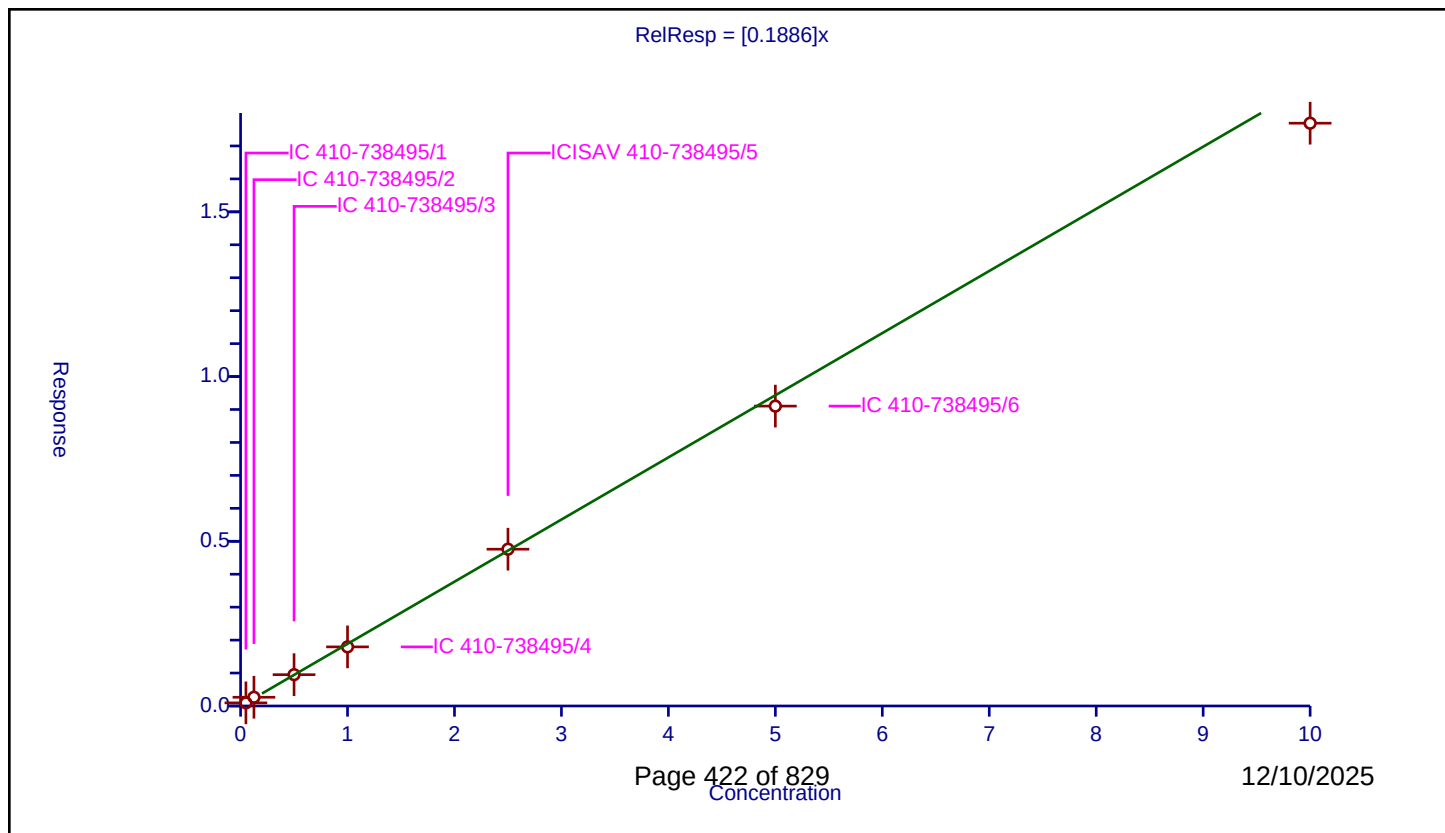
Curve Coefficients

Intercept: 0
Slope: 0.1886

Error Coefficients

Relative Standard Deviation: 6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.05	0.009484	2.0	1484880.0	0.189672	Y
2	IC 410-738495/2	0.125	0.026478	2.0	1511842.0	0.211821	Y
3	IC 410-738495/3	0.5	0.09511	2.0	1500087.0	0.190221	Y
4	IC 410-738495/4	1.0	0.179404	2.0	1545264.0	0.179404	Y
5	ICISAV 410-738495/5	2.5	0.475924	2.0	1492608.0	0.19037	Y
6	IC 410-738495/6	5.0	0.910332	2.0	1473752.0	0.182066	Y
7	IC 410-738495/7	10.0	1.769048	2.0	1482031.0	0.176905	Y



Calibration

/ Perfluorododecanesulfonic acid (PFDoS)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

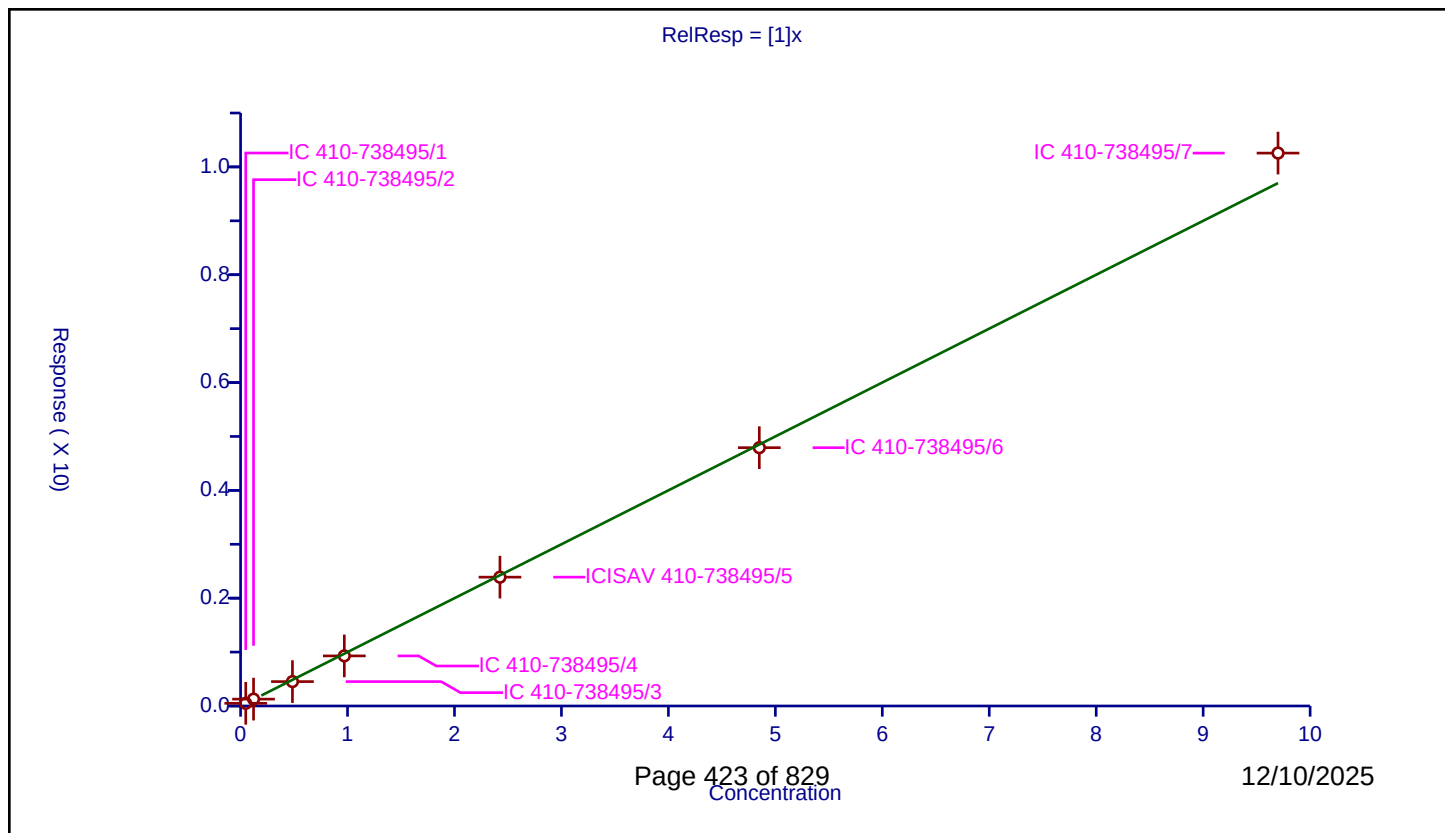
Curve Coefficients

Intercept: 0
Slope: 1

Error Coefficients

Relative Standard Deviation: 4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.0485	0.049836	1.916	1489160.0	1.027554	Y
2	IC 410-738495/2	0.12125	0.127354	1.916	1513093.0	1.050339	Y
3	IC 410-738495/3	0.485	0.452525	1.916	1543059.0	0.933041	Y
4	IC 410-738495/4	0.97	0.929437	1.916	1424413.0	0.958183	Y
5	ICISAV 410-738495/5	2.425	2.389806	1.916	1515763.0	0.985487	Y
6	IC 410-738495/6	4.85	4.791673	1.916	1487297.0	0.987974	Y
7	IC 410-738495/7	9.7	10.256409	1.916	1390126.0	1.057362	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

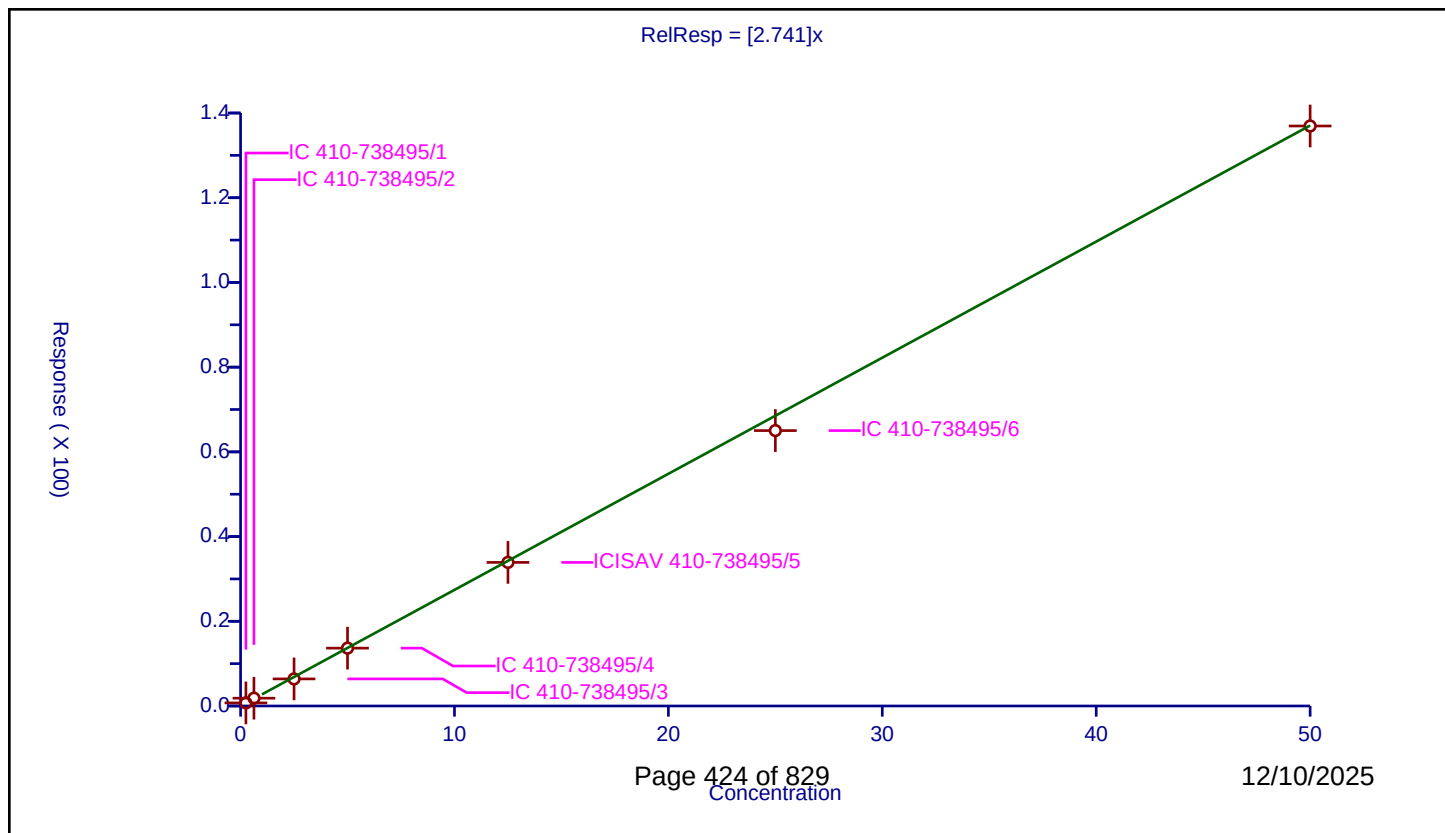
Curve Coefficients

Intercept: 0
 Slope: 2.741

Error Coefficients

Relative Standard Deviation: 5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.25	0.724777	5.0	321823.0	2.899109	Y
2	IC 410-738495/2	0.625	1.842387	5.0	320063.0	2.94782	Y
3	IC 410-738495/3	2.5	6.393059	5.0	343521.0	2.557224	Y
4	IC 410-738495/4	5.0	13.656317	5.0	313143.0	2.731263	Y
5	ICISAV 410-738495/5	12.5	33.901346	5.0	331624.0	2.712108	Y
6	IC 410-738495/6	25.0	65.018998	5.0	341612.0	2.60076	Y
7	IC 410-738495/7	50.0	136.932968	5.0	324457.0	2.738659	Y



Calibration

/ NMeFOSA

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

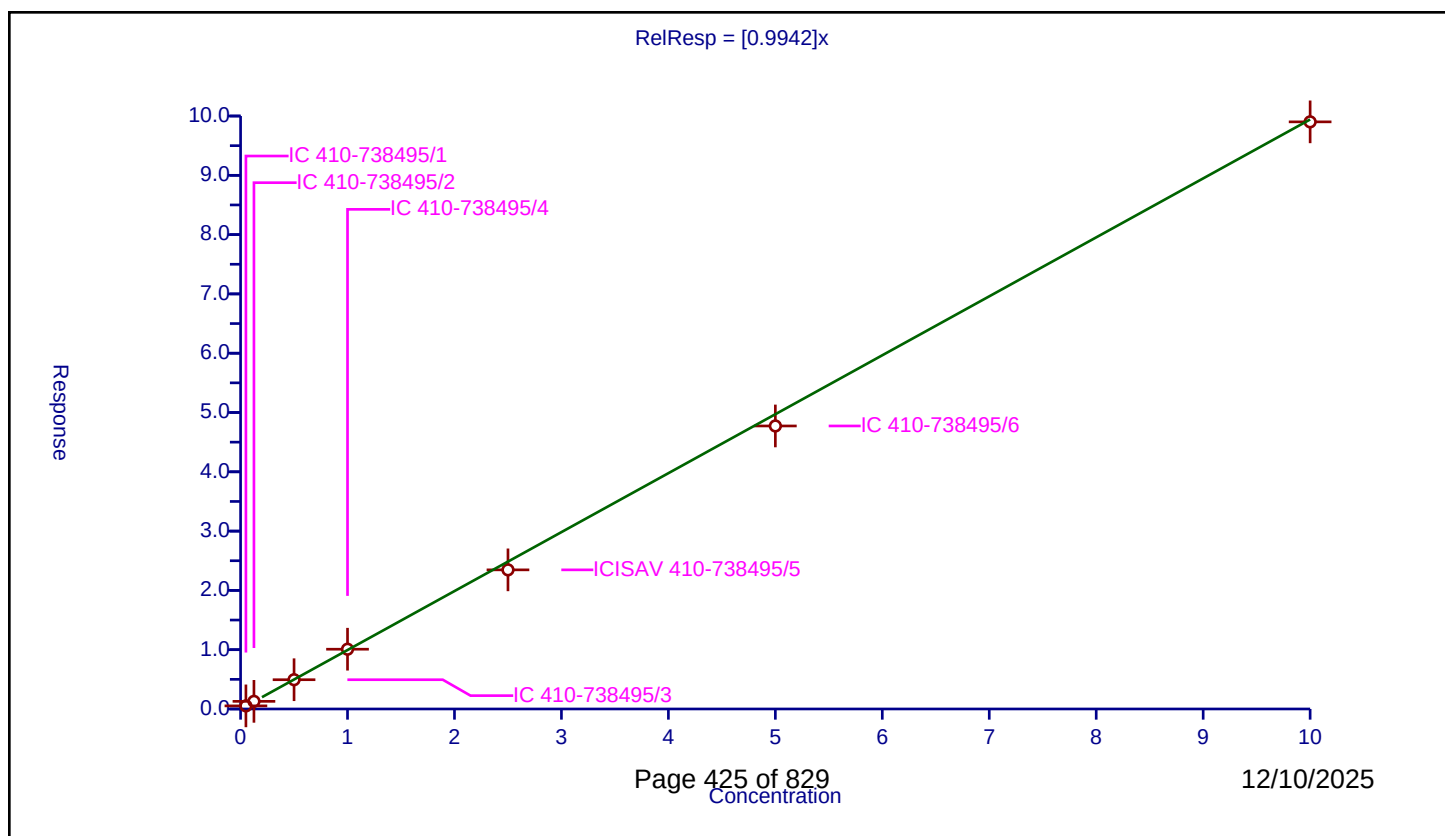
Curve Coefficients

Intercept: 0
Slope: 0.9942

Error Coefficients

Relative Standard Deviation: 4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.05	0.052474	2.0	503525.0	1.049481	Y
2	IC 410-738495/2	0.125	0.128899	2.0	503698.0	1.031189	Y
3	IC 410-738495/3	0.5	0.493587	2.0	505313.0	0.987174	Y
4	IC 410-738495/4	1.0	1.00801	2.0	510098.0	1.00801	Y
5	ICISAV 410-738495/5	2.5	2.346473	2.0	543708.0	0.938589	Y
6	IC 410-738495/6	5.0	4.772918	2.0	540324.0	0.954584	Y
7	IC 410-738495/7	10.0	9.901501	2.0	524734.0	0.99015	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

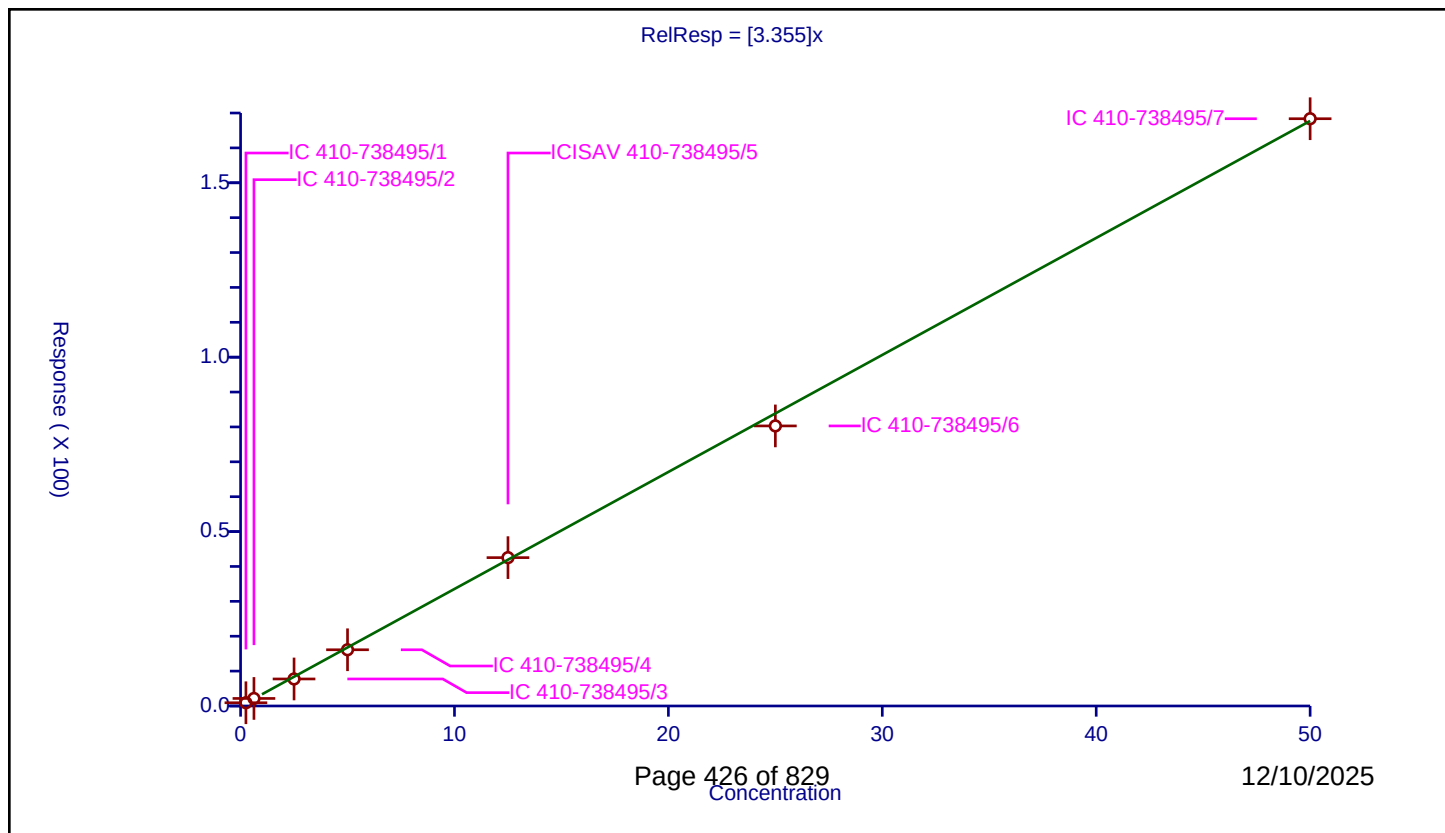
Curve Coefficients

Intercept: 0
 Slope: 3.355

Error Coefficients

Relative Standard Deviation: 6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.25	0.932063	5.0	380409.0	3.72825	Y
2	IC 410-738495/2	0.625	2.157467	5.0	392882.0	3.451947	Y
3	IC 410-738495/3	2.5	7.744495	5.0	398669.0	3.097798	Y
4	IC 410-738495/4	5.0	16.120138	5.0	383484.0	3.224028	Y
5	ICISAV 410-738495/5	12.5	42.530698	5.0	400765.0	3.402456	Y
6	IC 410-738495/6	25.0	80.2929	5.0	402970.0	3.211716	Y
7	IC 410-738495/7	50.0	168.364107	5.0	374340.0	3.367282	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

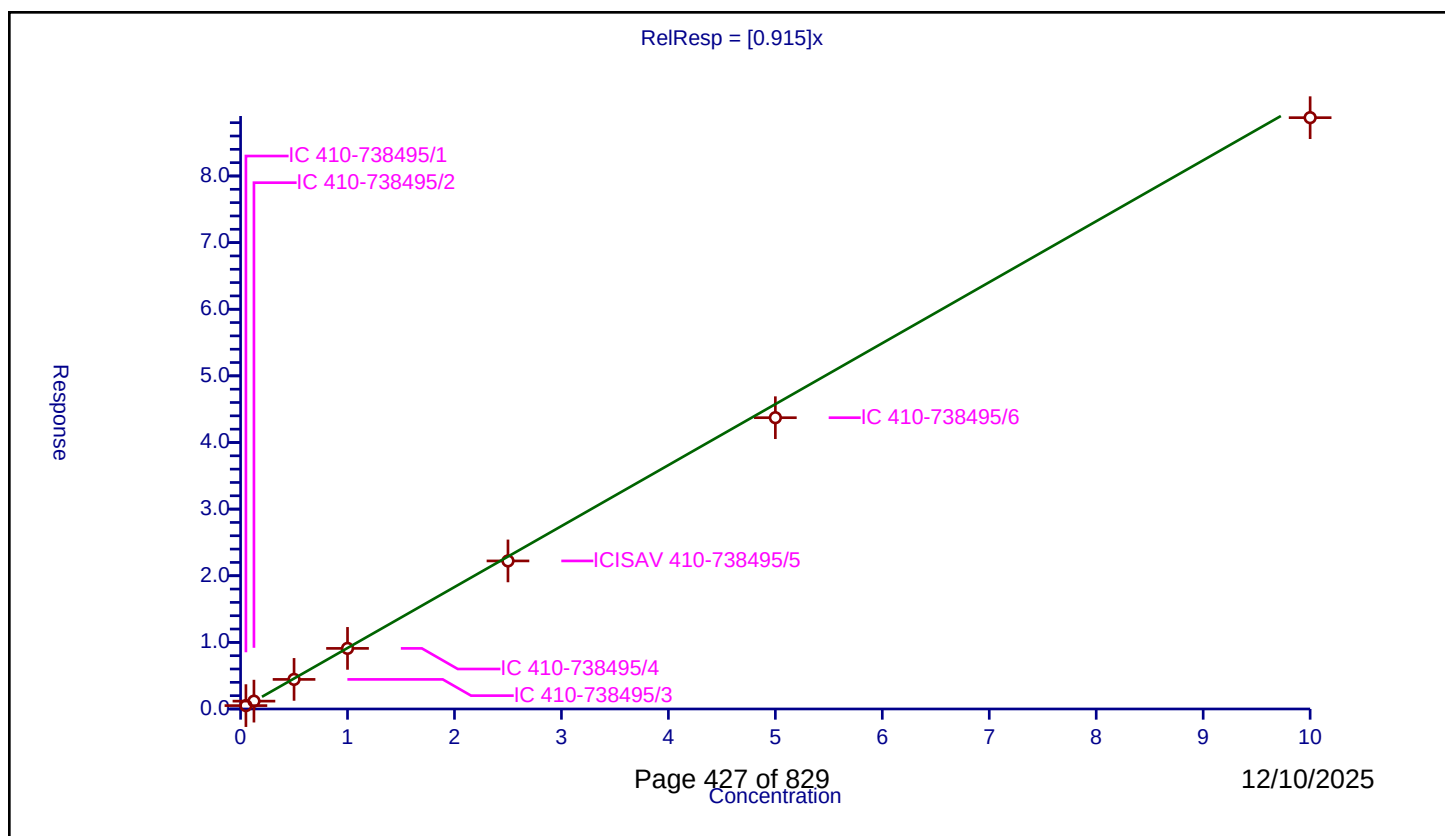
Curve Coefficients

Intercept: 0
Slope: 0.915

Error Coefficients

Relative Standard Deviation: 5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.05	0.050712	2.0	608855.0	1.014232	Y
2	IC 410-738495/2	0.125	0.117869	2.0	632227.0	0.942952	Y
3	IC 410-738495/3	0.5	0.443915	2.0	619335.0	0.88783	Y
4	IC 410-738495/4	1.0	0.909428	2.0	602937.0	0.909428	Y
5	ICISAV 410-738495/5	2.5	2.222316	2.0	652197.0	0.888927	Y
6	IC 410-738495/6	5.0	4.371897	2.0	644335.0	0.874379	Y
7	IC 410-738495/7	10.0	8.875179	2.0	632762.0	0.887518	Y



Calibration

/ Perfluorooctadecanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

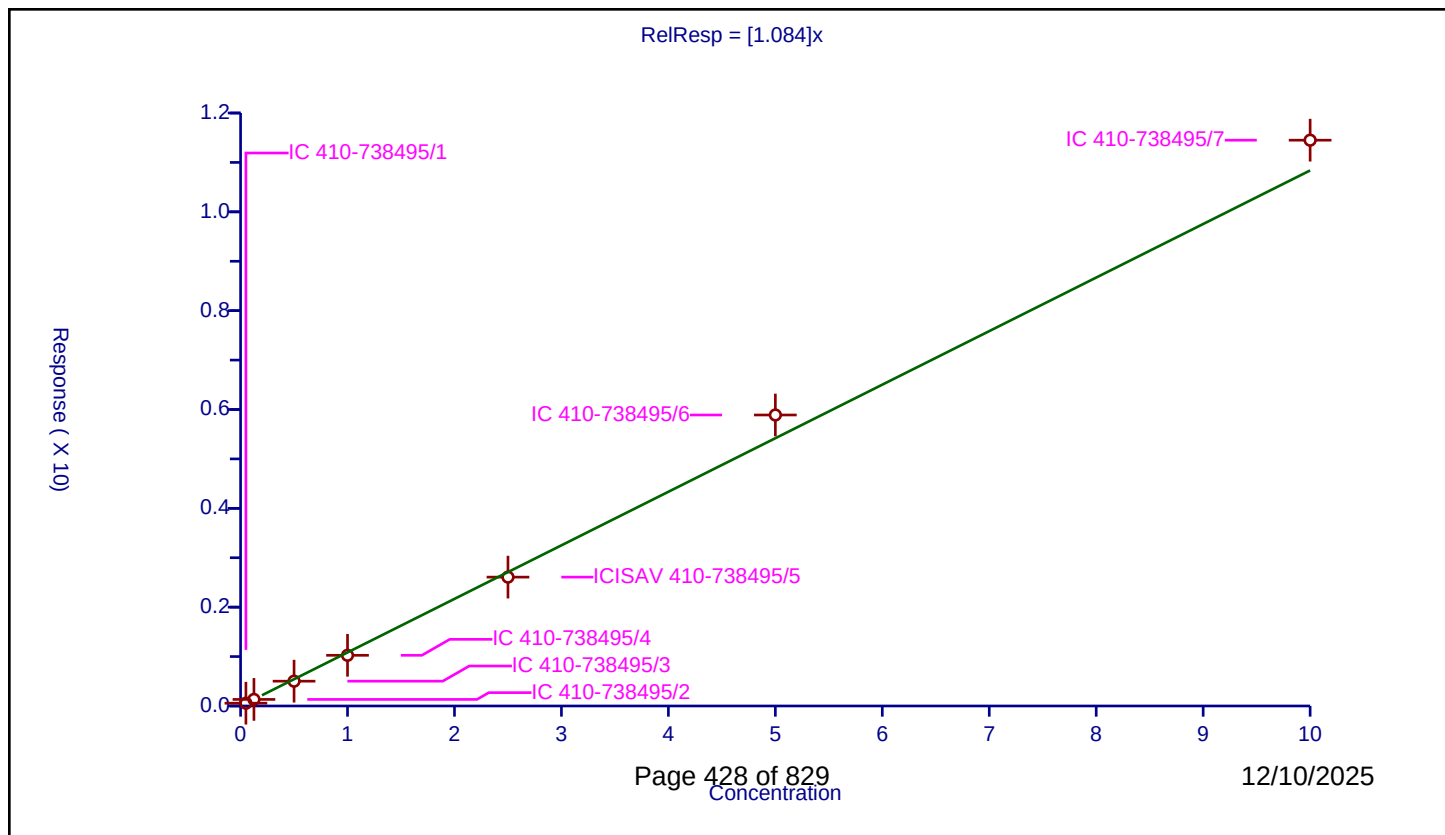
Curve Coefficients

Intercept: 0
Slope: 1.084

Error Coefficients

Relative Standard Deviation: 6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-738495/1	0.05	0.056324	2.0	1484880.0	1.126475	Y
2	IC 410-738495/2	0.125	0.133046	2.0	1511842.0	1.064365	Y
3	IC 410-738495/3	0.5	0.501955	2.0	1500087.0	1.00391	Y
4	IC 410-738495/4	1.0	1.025666	2.0	1545264.0	1.025666	Y
5	ICISAV 410-738495/5	2.5	2.607856	2.0	1492608.0	1.043142	Y
6	IC 410-738495/6	5.0	5.888733	2.0	1473752.0	1.177747	Y
7	IC 410-738495/7	10.0	11.450263	2.0	1482031.0	1.145026	Y



FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Lab Sample ID: ICV 410-736567/10

Calibration Date: 11/29/2025 13:18

Instrument ID: 30570

Calib Start Date: 11/29/2025 11:15

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 11/29/2025 12:50

Lab File ID: 25NOV29CAL-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	0.9875	0.8636		2.19	2.50	-13.0	30.0
Perfluorobutanoic acid	AveID	0.9142	0.8878		4.86	5.00	-3.0	30.0
Perfluoro-3-methoxypropanoic acid	AveID	1.295	1.325		2.56	2.50	2.0	30.0
3-Perfluoropropylpropanoic acid (3:3 FTCA)	AveID	0.0611	0.0581		5.94	6.25	-5.0	30.0
Perfluoropentanoic acid	AveID	1.207	1.181		2.45	2.50	-2.0	30.0
Perfluoro(4-methoxybutanoic acid)	AveID	1.723	1.661		2.41	2.50	-4.0	30.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	1.645	1.554		4.43	4.69	-6.0	30.0
Perfluoro-3,6-dioxahexanoic acid	AveID	0.1758	0.1718		2.44	2.50	-2.0	30.0
Perfluorohexanoic acid	AveID	0.9656	0.8811		1.14	1.25	-9.0	30.0
3-Perfluoropentylpropanoic acid (5:3 FTCA)	AveID	0.1310	0.1227		29.3	31.3	-6.0	30.0
Perfluorobutanesulfonic acid	AveID	1.226	1.226		1.11	1.11	0.0	30.0
HFPO-DA	AveID	1.035	1.015		4.90	5.00	-2.0	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	1.033	0.8923		2.16	2.50	-14.0	30.0
PFEESA	AveID	2.916	2.951		2.26	2.23	1.0	30.0
Perfluoroheptanoic acid	AveID	0.9509	0.9182		1.21	1.25	-3.0	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	3.296	3.260		4.67	4.73	-1.0	30.0
Perfluoropentanesulfonic acid	AveID	1.255	1.282		1.20	1.18	2.0	30.0
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	AveID	1.881	1.807		4.57	4.76	-4.0	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	2.278	2.090		4.49	4.90	-8.0	30.0
Perfluorooctanoic acid	L2ID		0.7738		1.19	1.25	-5.0	30.0
7:3 FTCA	AveID	0.0692	0.0659		29.8	31.3	-5.0	30.0
Perfluorohexanesulfonic acid	L2ID		1.165		1.16	1.14	2.0	30.0
Perfluorononanoic acid	AveID	0.9220	0.8686		1.18	1.25	-6.0	30.0
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	AveID	1.320	1.239		4.50	4.80	-6.0	30.0
Perfluoro-4-ethylcyclohexane sulfonic acid (PFECHS)	AveID	0.3542	0.3186		2.08	2.31	-10.0	30.0
Perfluoroheptanesulfonic acid	AveID	1.230	1.305		1.26	1.19	6.0	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	1.488	1.374		2.31	2.50	-8.0	30.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.9877	1.018		1.29	1.25	3.0	30.0
Perfluorodecanoic acid	AveID	1.000	0.9764		1.22	1.25	-2.0	30.0
NETFOSAA	AveID	0.7659	0.8266		1.35	1.25	8.0	30.0
Perfluorooctanesulfonic acid	AveID	1.535	1.595		1.21	1.16	4.0	30.0
Perfluoroundecanoic acid	AveID	0.8783	0.8826		1.26	1.25	0.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Lab Sample ID: ICV 410-736567/10

Calibration Date: 11/29/2025 13:18

Instrument ID: 30570

Calib Start Date: 11/29/2025 11:15

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 11/29/2025 12:50

Lab File ID: 25NOV29CAL-10.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
9-Chlorohexadecafluoro-3-oxa nonane-1-sulfonic acid	AveID	2.755	2.862		4.85	4.67	4.0	30.0
Perfluorononanesulfonic acid	AveID	1.145	1.198		1.26	1.20	5.0	30.0
Perfluorododecanoic acid	AveID	1.031	1.088		1.32	1.25	6.0	30.0
Perfluorooctanesulfonamide (PFOSA)	AveID	0.8957	0.8972		1.26	1.26	0.0	30.0
Perfluorodecanesulfonic acid	AveID	1.228	1.279		1.26	1.21	4.0	30.0
Perfluorotridecanoic acid	AveID	1.409	1.429		1.27	1.25	1.0	30.0
11-Chloroeicosafluoro-3-oxa undecane-1-sulfonic acid	AveID	1.924	2.043		5.01	4.72	6.0	30.0
Perfluorotetradecanoic acid	AveID	0.2913	0.2962		1.27	1.25	2.0	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.9869	0.9938		1.22	1.21	1.0	30.0
2- (N-methylperfluoro-1-octanes ulfonamido) ethanol	AveID	2.328	2.303		12.4	12.5	-1.0	30.0
NMeFOSA	AveID	1.030	1.053		1.28	1.25	2.0	30.0
2- (N-ethylperfluoro-1-octanesu lfonamido) ethanol	AveID	2.840	2.868		12.7	12.5	1.0	30.0
N-ethylperfluoro-1-octanesul fonamide	AveID	0.9256	0.9908		1.34	1.25	7.0	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	2.284	2.082		2.28	2.50	-9.0	30.0
13C3 PFPrA	Ave	0.8545	0.8670		2.03	2.00	1.0	30.0
13C4 PFBA	Ave	1.161	1.115		1.92	2.00	-4.0	30.0
13C5 PFPeA	Ave	0.8217	0.7906		1.92	2.00	-4.0	30.0
13C2 4:2 FTS	Ave	0.2688	0.2466		4.30	4.69	-8.0	30.0
13C5 PFHxA	Ave	1.134	1.126		1.99	2.00	-1.0	30.0
13C3 PFBS	Ave	1.385	1.352		1.82	1.86	-2.0	30.0
13C3 HFPO-DA	Ave	0.7791	0.7424		1.91	2.00	-5.0	30.0
13C4 PFHpA	Ave	0.9642	0.9323		1.93	2.00	-3.0	30.0
13C2 6:2 FTS	Ave	0.2032	0.1832		4.29	4.76	-10.0	30.0
13C8 PFOA	Ave	1.033	1.042		2.02	2.00	1.0	30.0
13C3 PFHxS	Ave	1.017	0.9709		1.81	1.90	-5.0	30.0
13C9 PFNA	Ave	0.9623	0.9109		1.89	2.00	-5.0	30.0
M2-8:2 FTS	Ave	0.2535	0.2402		4.55	4.80	-5.0	30.0
d3-NMeFOSAA	Ave	0.3888	0.3669		4.72	5.00	-6.0	30.0
13C6 PFDA	Ave	1.014	0.9842		1.94	2.00	-3.0	30.0
d5-NEtFOSAA	Ave	0.3899	0.3305		4.24	5.00	-15.0	30.0
13C8 PFOS	Ave	0.8819	0.8123		1.76	1.92	-8.0	30.0
13C7 PFUnA	Ave	1.153	1.075		1.87	2.00	-7.0	30.0
13C2 PFDoA	Ave	0.9721	0.8909		1.83	2.00	-8.0	30.0
13C8 FOSA	Ave	1.146	1.092		1.91	2.00	-5.0	30.0
13C2 PFTeDA	Ave	0.4955	0.4434		1.79	2.00	-11.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Lab Sample ID: ICV 410-736567/10

Calibration Date: 11/29/2025 13:18

Instrument ID: 30570

Calib Start Date: 11/29/2025 11:15

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 11/29/2025 12:50

Lab File ID: 25NOV29CAL-10.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d7-N-MeFOSE-M	Ave	0.1589	0.1465		4.61	5.00	-8.0	30.0
d3-NMePFOSA	Ave	0.2779	0.2676		1.93	2.00	-4.0	30.0
d9-N-EtFOSE-M	Ave	0.1837	0.1737		4.73	5.00	-5.0	30.0
d5-NEtPFOSA	Ave	0.3346	0.3065		1.83	2.00	-8.0	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-10.d
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 29-Nov-2025 13:18:09 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: Plate: 1 Rack: 1 410-0168303-010
Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570
Sublist:
Method: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\30570-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 02-Dec-2025 10:40:10 Calib Date: 29-Nov-2025 12:50:55
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1614

First Level Reviewer: QY4X Date: 29-Nov-2025 13:37:36

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	1.984	1.984	0.0	0.482	1309269	2.03		101	125903	
2 Perfluoropropionic acid										
163.00 > 119.00	1.996	1.996	0.0	1.006	1413343	2.19			12243	
5 PFBA										
212.80 > 168.90	4.109	4.103	0.007	1.000	3738779	4.86			36312	
D 3 13C4-PFBA										
216.80 > 171.90	4.109	4.103	0.007	0.998	1684472	1.92		96.1	4675	
* 4 13C3PFBA										
216.00 > 172.00	4.115	4.109	0.006		1510122	2.00			1477	
6 PFMPA										
229.00 > 84.90	4.415	4.415	0.0	0.933	2282028	2.56			5337	
7 3:3 FTCA										
241.00 > 177.00	4.424	4.424	0.0	0.934	250011	5.94	Target=1.35		1882	
241.00 > 117.00	4.424	4.424	0.0	0.934	188327		1.33(0.68-2.03)		1360	
D 8 13C5 PFPeA										
268.30 > 223.00	4.734	4.744	-0.010	0.912	1377516	1.92		96.2	4978	
9 PFPA										
263.00 > 219.00	4.745	4.744	0.001	1.002	2034210	2.45			1751	
10 PFMBA										
279.00 > 85.10	4.890	4.890	0.0	1.033	2859472	2.41			5874	
11 4:2FTS										
327.10 > 307.00	5.008	5.017	-0.009	1.000	1284920	4.43	Target=1.50		4454	
327.10 > 80.90	5.008	5.017	-0.009	1.000	856209		1.50(0.75-2.25)		1107	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.008	5.017	-0.009	0.805	827815	4.30		91.7	5296	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.153	5.153	0.001	0.993	421296	2.44	Target=1.60		2429	
295.00 > 84.90	5.153	5.153	0.001	0.993	264801		1.59(0.80-2.41)		2109	
D 15 13C5 PFHxA										
318.00 > 273.00	5.191	5.190	0.001	1.000	1962056	1.99		99.3	4922	
17 PFHxA										
313.00 > 269.00	5.191	5.200	-0.009	1.000	1080440	1.14	Target=10.68		2313	
313.00 > 118.90	5.191	5.200	-0.009	1.000	99754		10.83(5.34-16.01)		503	
* 16 13C2 PFHxA										
315.10 > 270.00	5.191	5.200	-0.009		4356053	5.00			10644	
18 5:3 FTCA										
341.00 > 237.10	5.268	5.278	-0.010	1.015	3762457	29.3	Target=0.91		3387	
341.00 > 217.00	5.268	5.278	-0.010	1.015	4167884		0.90(0.46-1.37)		8414	
D 20 13C3 PFBS										
302.10 > 79.90	5.329	5.329	0.0	0.856	1804095	1.82		97.6	16796	
19 PFBS										
298.70 > 79.90	5.329	5.329	0.0	1.000	1316610	1.11	Target=2.86		2308	
298.70 > 98.80	5.329	5.329	0.0	1.000	445072		2.96(1.43-4.30)		2065	
21 HFPO-DA										
284.90 > 168.90	5.373	5.384	-0.011	1.000	3283401	4.90	Target=2.59		3050	
284.90 > 184.90	5.373	5.384	-0.011	1.000	1351739		2.43(1.30-3.89)		5408	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.373	5.384	-0.011	1.035	1293562	1.91		95.3	4116	
23 FBSA										
297.90 > 78.00	5.395	5.395	0.0	1.012	2159025	2.16			2258	
26 PFEESA										
314.80 > 134.90	5.567	5.566	0.001	1.072	6455191	2.26	Target=12.75		14550	
314.80 > 82.90	5.567	5.566	0.001	1.072	524047		12.32(6.37-19.12)		2704	
28 PFHpA										
363.10 > 319.00	5.610	5.610	0.0	1.000	932291	1.21	Target=2.26		1772	
363.10 > 169.00	5.610	5.610	0.0	1.000	432357		2.16(1.13-3.39)		1771	
D 27 13C4 PFHpA										
367.10 > 322.00	5.610	5.610	0.0	1.081	1624497	1.93		96.7	8647	
29 ADONA										
376.90 > 250.90	5.765	5.765	0.0	1.073	9961378	4.67	Target=1.92		9722	
376.90 > 84.80	5.765	5.765	0.0	1.073	5526575		1.80(0.96-2.88)		33419	
30 PFPeS										
349.10 > 79.90	5.799	5.799	0.0	0.932	1046926	1.20	Target=3.26		2333	
349.10 > 98.90	5.799	5.799	0.0	0.932	320050		3.27(1.63-4.89)		2164	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.810	5.810	0.0	0.934	624070	4.29		90.1	1795	
31 6:2FTS										
427.10 > 407.00	5.810	5.810	0.0	1.000	1126510	4.57	Target=1.68		332	
427.10 > 80.90	5.810	5.810	0.0	1.000	681144		1.65(0.84-2.52)		223	
33 BTS										
280.00 > 147.00	5.967	5.967	0.0	0.959	7108013	4.49			17071	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
36 PFOA										
413.00 > 369.00	6.008	6.007	0.001	1.000	989093	1.19	Target=2.08		1163	
413.00 > 169.00	6.008	6.007	0.001	1.000	477516		2.07(1.04-3.13)		753	
* 35 13C4 PFOA										
417.10 > 372.00	6.008	6.007	0.001		4899519	5.00			4619	
D 34 13C8 PFOA										
421.10 > 376.00	6.008	6.007	0.001	1.000	2042835	2.02		101	3426	
37 7:3 FTCA										
441.00 > 316.90	6.076	6.067	0.009	1.171	2020089	29.8	Target=0.45		5580	
441.00 > 336.90	6.076	6.067	0.009	1.171	4280588		0.47(0.23-0.68)		7016	
D 39 13C3 PFHxS										
402.10 > 79.90	6.223	6.223	0.0	1.000	1317590	1.81		95.5	1692	
* 38 18O2 PFHxS										
403.00 > 83.90	6.223	6.223	0.0		1357106	1.90			6099	
40 PFHxS										
398.70 > 79.90	6.223	6.223	0.0	1.000	923681	1.16	Target=3.32		595	
398.70 > 98.90	6.232	6.223	0.009	1.001	266380		3.47(1.66-4.97)		392	
43 PFNA										
463.00 > 419.00	6.389	6.389	0.0	1.000	969104	1.18	Target=2.36		1396	
463.00 > 219.00	6.389	6.389	0.0	1.000	383042		2.53(1.18-3.54)		669	
* 41 13C5 PFNA										
468.00 > 423.00	6.389	6.389	0.0		1961361	2.00			3667	
D 42 13C9 PFNA										
472.10 > 427.00	6.389	6.389	0.0	1.000	1786642	1.89		94.7	2177	
44 8:2FTS										
527.10 > 507.00	6.558	6.558	0.0	1.000	1022254	4.50	Target=1.32		1571	
527.10 > 80.80	6.558	6.558	0.0	1.000	772778		1.32(0.66-1.99)		5065	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.558	6.558	0.0	1.054	825258	4.55		94.8	2743	
46 PFECHS										
461.00 > 381.00	6.600	6.600	0.0	1.060	511378	2.08	Target=0.28		3152	
461.00 > 99.00	6.600	6.600	0.0	1.060	1788428		0.29(0.14-0.42)		2353	
47 PFHpS										
449.00 > 79.90	6.631	6.631	0.0	0.943	1028278	1.26	Target=3.76		3409	
449.00 > 98.80	6.631	6.631	0.0	0.943	270019		3.81(1.88-5.64)		1391	
53 FHxSA										
397.90 > 78.00	6.652	6.641	0.011	1.069	2386485	2.31			2894	
49 NMeFOSAA										
570.10 > 419.00	6.715	6.715	0.0	1.000	380373	1.29	Target=1.91		1174	
570.10 > 483.00	6.715	6.715	0.0	1.000	191153		1.99(0.96-2.87)		216	
D 48 d3-NMeFOSAA										
573.20 > 419.00	6.715	6.715	0.0	0.955	1495241	4.72		94.4	1115	
* 50 13C2 PFDA										
515.10 > 470.10	6.772	6.772	0.0		1683240	2.00			5154	
D 51 13C6 PFDA										
519.10 > 474.10	6.772	6.772	0.0	1.000	1656720	1.94		97.0	7623	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
52 PFDA										
512.90 > 469.00	6.781	6.772	0.009	1.001	1011065	1.22	Target=4.25		1062	
512.90 > 219.00	6.781	6.772	0.009	1.001	238000		4.25(2.12-6.37)		1215	
D 54 d5-NEtFOSAA										
589.20 > 419.00	6.880	6.880	0.0	0.979	1346687	4.24		84.7	1167	
55 NEtFOSAA										
584.20 > 419.10	6.880	6.889	-0.009	1.000	278611	1.35	Target=1.44		932	
584.20 > 526.00	6.880	6.889	-0.009	1.000	198628		1.40(0.72-2.15)		589	
D 56 13C8 PFOS										
507.10 > 79.90	7.029	7.029	0.0	1.000	1268532	1.76		92.1	1128	
58 PFOS										
498.90 > 79.90	7.029	7.029	0.0	1.000	1224640	1.21	Target=4.40		3307	
498.90 > 98.80	7.029	7.029	0.0	1.000	274672		4.46(2.20-6.60)		952	
* 57 13C4 PFOS										
502.80 > 79.90	7.029	7.029	0.0		1561591	1.92			4345	
D 59 13C7 PFUnA										
570.00 > 525.10	7.162	7.162	0.0	1.058	1810123	1.87		93.3	2769	
60 PFUnA										
563.10 > 519.00	7.173	7.172	0.001	1.001	998558	1.26	Target=6.12		4485	
563.10 > 269.10	7.173	7.172	0.001	1.001	160599		6.22(3.06-9.18)		1115	
61 9ClFOS										
530.80 > 351.00	7.333	7.333	0.0	1.043	8838269	4.85	Target=3.14		7585	
532.80 > 353.00	7.333	7.333	0.0	1.043	2836031		3.12(1.57-4.71)		4504	
62 PFNS										
548.80 > 79.90	7.425	7.433	-0.008	1.056	951972	1.26	Target=3.48		3937	
548.80 > 98.80	7.425	7.433	-0.008	1.056	259574		3.67(1.74-5.23)		1183	
63 PFDoA										
613.10 > 569.00	7.563	7.570	-0.007		1019309	1.32	Target=6.22		2068	
613.10 > 319.00	7.563	7.570	-0.007		163219		6.25(3.11-9.33)		1643	
D 81 13C2 PFDoA										
615.10 > 570.00	7.563	7.570	-0.007	1.117	1499650	1.83		91.7	2644	
D 65 13C8 FOSA										
506.10 > 77.80	7.738	7.745	-0.007	1.101	1780004	1.91		95.3	2906	
64 PFOSA										
498.10 > 77.90	7.738	7.752	-0.014	1.000	1002080	1.26	Target=53.04		2295	
498.10 > 478.00	7.738	7.752	-0.014	1.000	18931		52.93(26.52-79.56)		49.8	
66 PFDS										
599.00 > 79.90	7.814	7.831	-0.017	1.112	1020384	1.26	Target=3.66		3080	
599.00 > 98.80	7.814	7.831	-0.017	1.112	281949		3.62(1.83-5.49)		1809	
67 PFTTrDA										
663.00 > 619.00	7.960	7.976	-0.016	0.954	1002936	1.27	Target=5.85		3009	
663.00 > 168.90	7.960	7.976	-0.016	0.954	177643		5.65(2.93-8.78)		2207	
68 11ClFOS										
630.90 > 450.90	8.126	8.136	-0.010	1.156	6377984	5.01	Target=3.12		4427	
632.90 > 452.90	8.126	8.136	-0.010	1.156	2097309		3.04(1.56-4.68)		9760	
70 PFTeDA										
713.10 > 168.90	8.347	8.358	-0.011	1.000	138187	1.27	Target=1.15		1960	
713.10 > 219.00	8.347	8.358	-0.011	1.000	108896		1.27(0.58-1.73)		1138	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 69 13C2 PFTeDA										
715.20 > 670.00	8.347	8.358	-0.011	1.233	746327	1.79		89.5	4026	
71 PFDoS										
699.10 > 79.90	8.574	8.574	0.0	1.220	796102	1.22	Target=4.11		2317	
699.10 > 98.80	8.563	8.574	-0.011	1.218	200051		3.98(2.05-6.16)		3024	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.727	8.728	-0.001	1.242	596971	4.61		92.2	549	
73 N-MeFOSE-M										
616.10 > 58.90	8.754	8.741	0.013	1.003	3441560	12.4			13626	
D 74 d3-NMePFOSA										
515.00 > 219.00	8.848	8.849	-0.001	1.259	436127	1.93		96.3	2076	
75 NMeFOSA										
511.90 > 219.00	8.861	8.849	0.012	1.001	287158	1.28	Target=0.69		1279	
511.90 > 169.00	8.861	8.849	0.012	1.001	406642		0.71(0.35-1.04)		1044	
D 76 d9-N-EtFOSE										
639.20 > 58.90	8.975	8.976	-0.001	1.277	707988	4.73		94.6	356	
77 N-EtFOSE-M										
630.00 > 58.90	9.000	9.000	0.0	1.003	5092465	12.7			26294	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.079	9.069	0.010	1.292	499628	1.83		91.6	1572	
79 N-EtFOSA-M										
526.00 > 219.00	9.079	9.080	-0.001	1.000	310019	1.34	Target=0.81		1398	
526.00 > 169.00	9.079	9.080	-0.001	1.000	374987		0.83(0.41-1.22)		1098	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.329	9.330	-0.001	1.118	1942329	2.28	Target=18.31		9702	
913.00 > 169.00	9.329	9.330	-0.001	1.118	113851		17.06(9.15-27.46)		2246	

QC Flag Legend

Processing Flags

Reagents:

1633_125_ICV_00032

Amount Added: 1.00

Units: mL

Data File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-10.d

Injection Date: 29-Nov-2025 13:18:09

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

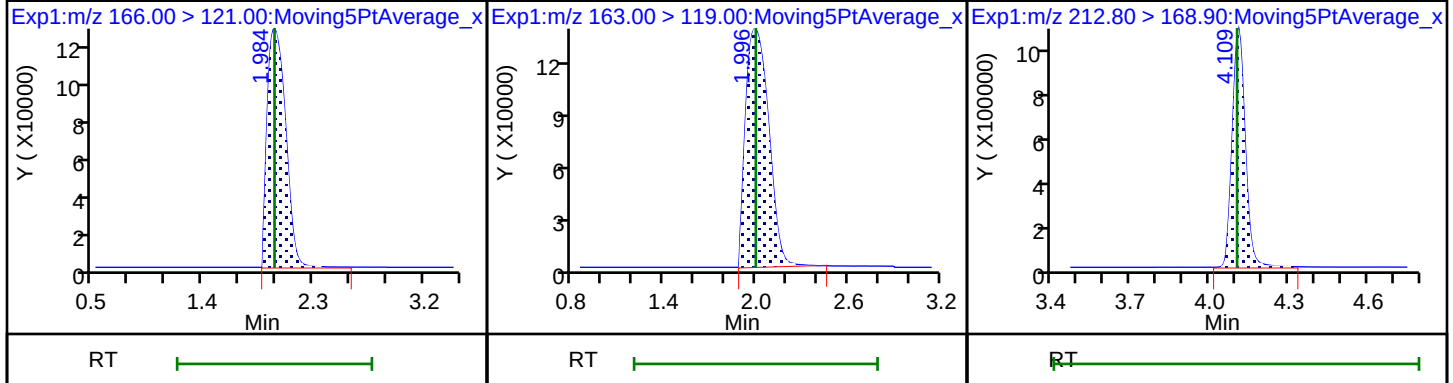
Method: 30570-1633-125ml

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid

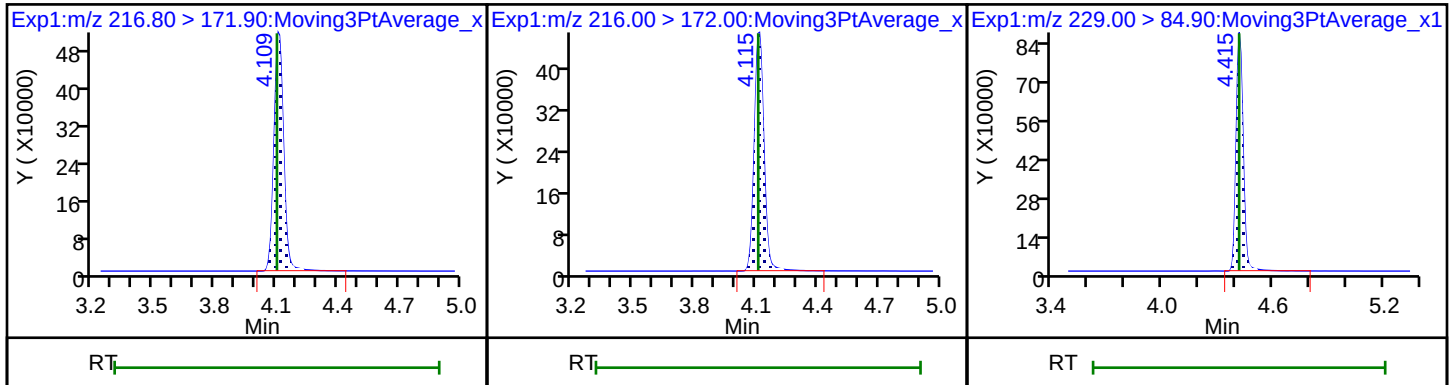
5 PFBA



D 3 13C4-PFBA

* 4 13C3PFBA

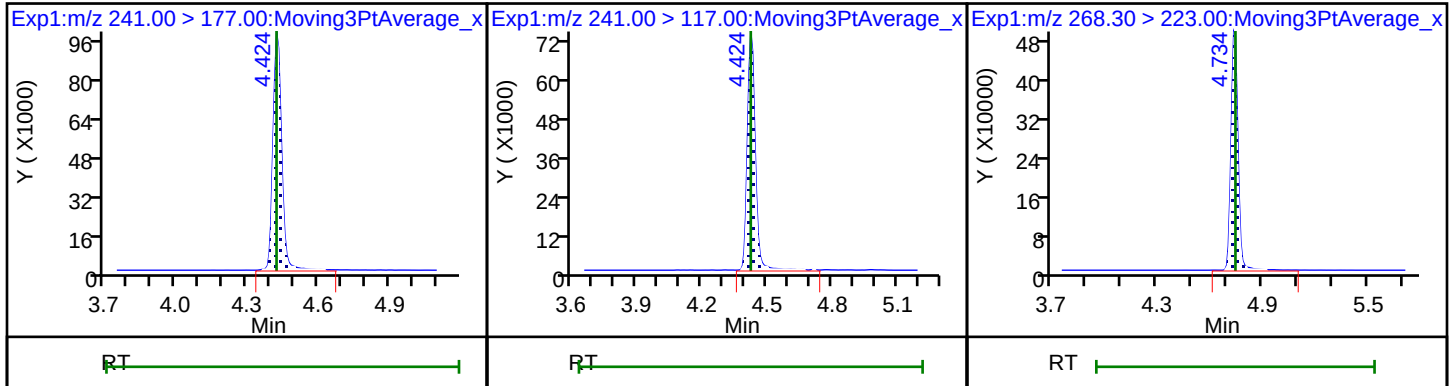
6 PFMPA



7 3:3 FTCA

7 3:3 FTCA

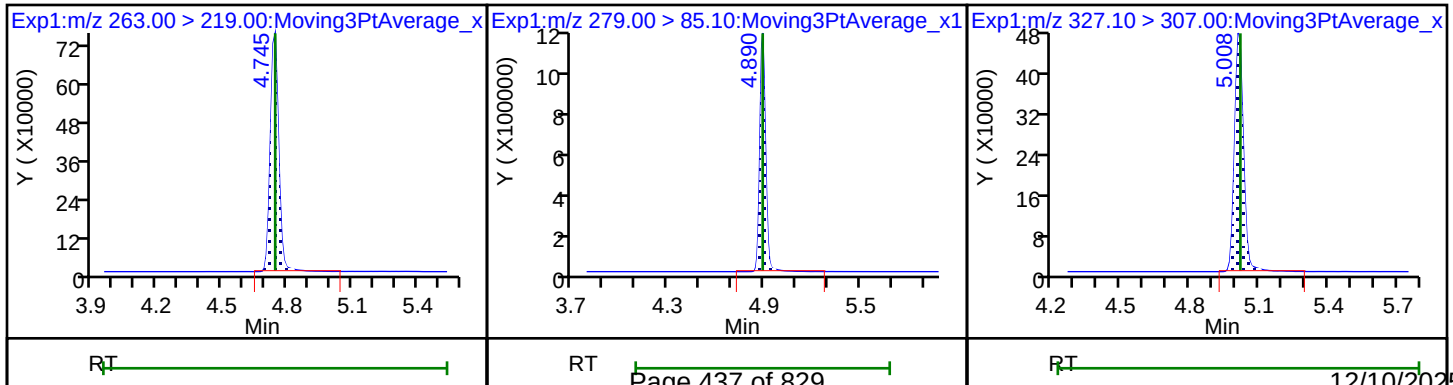
D 8 13C5 PFPeA

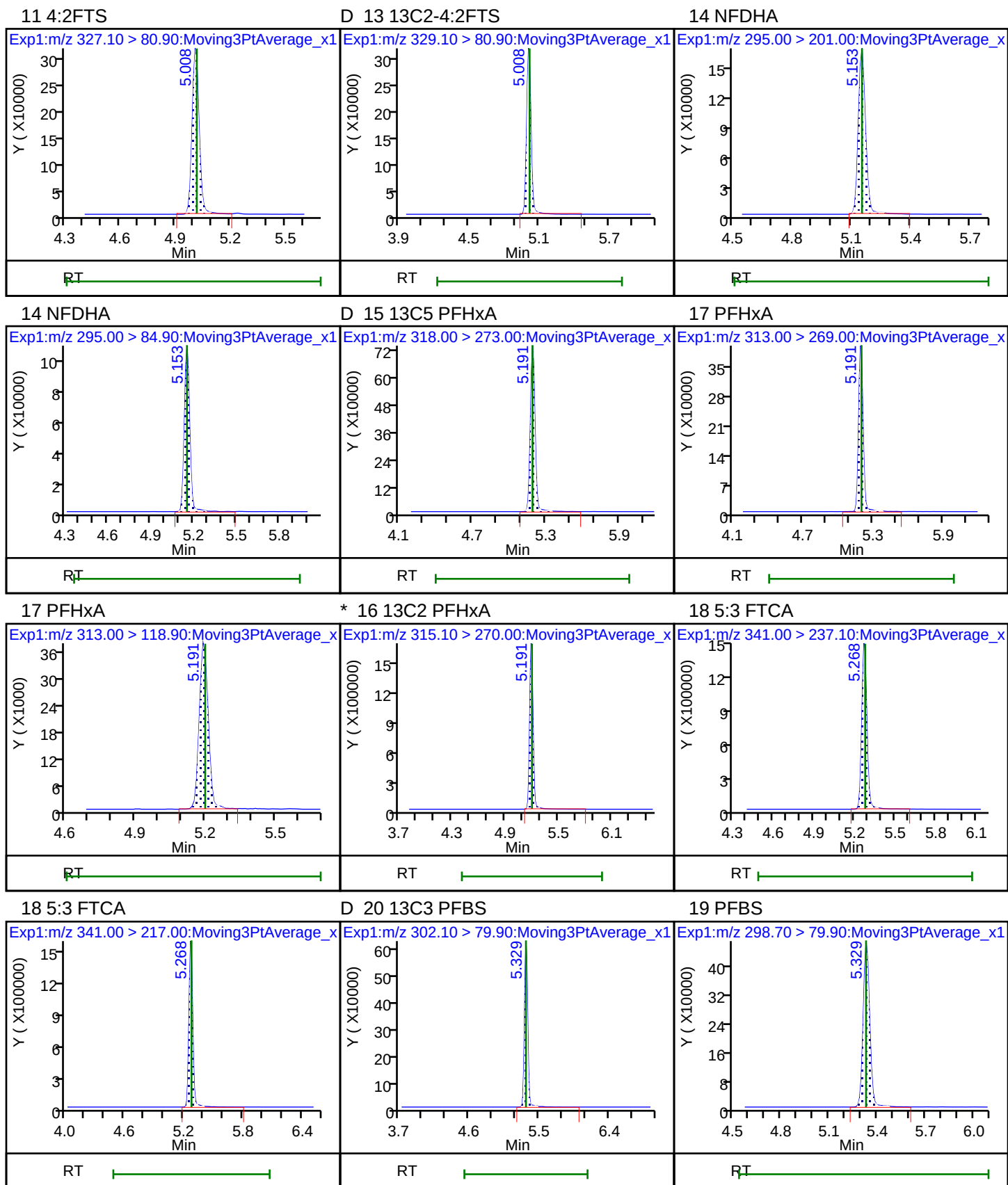


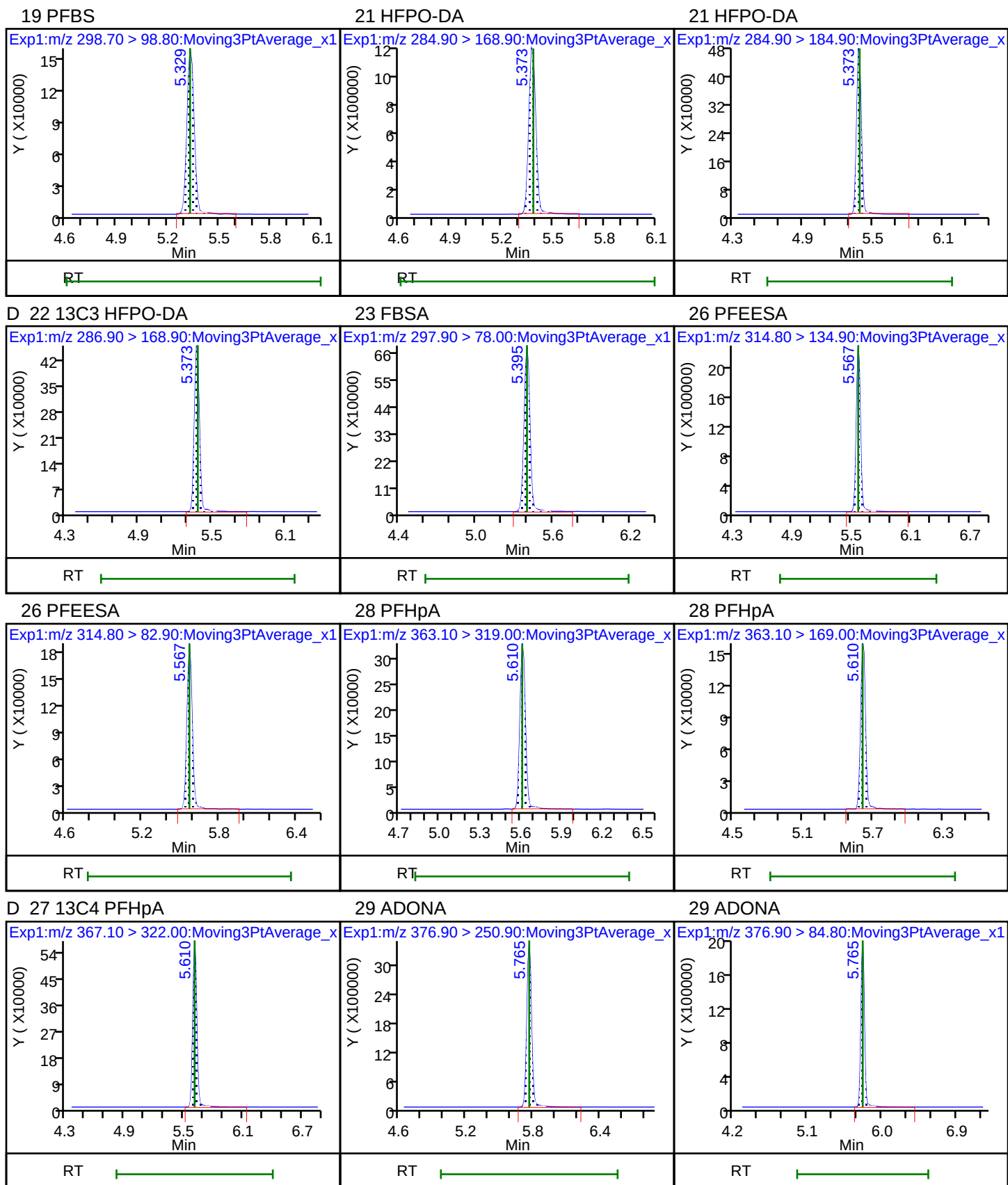
9 PFPA

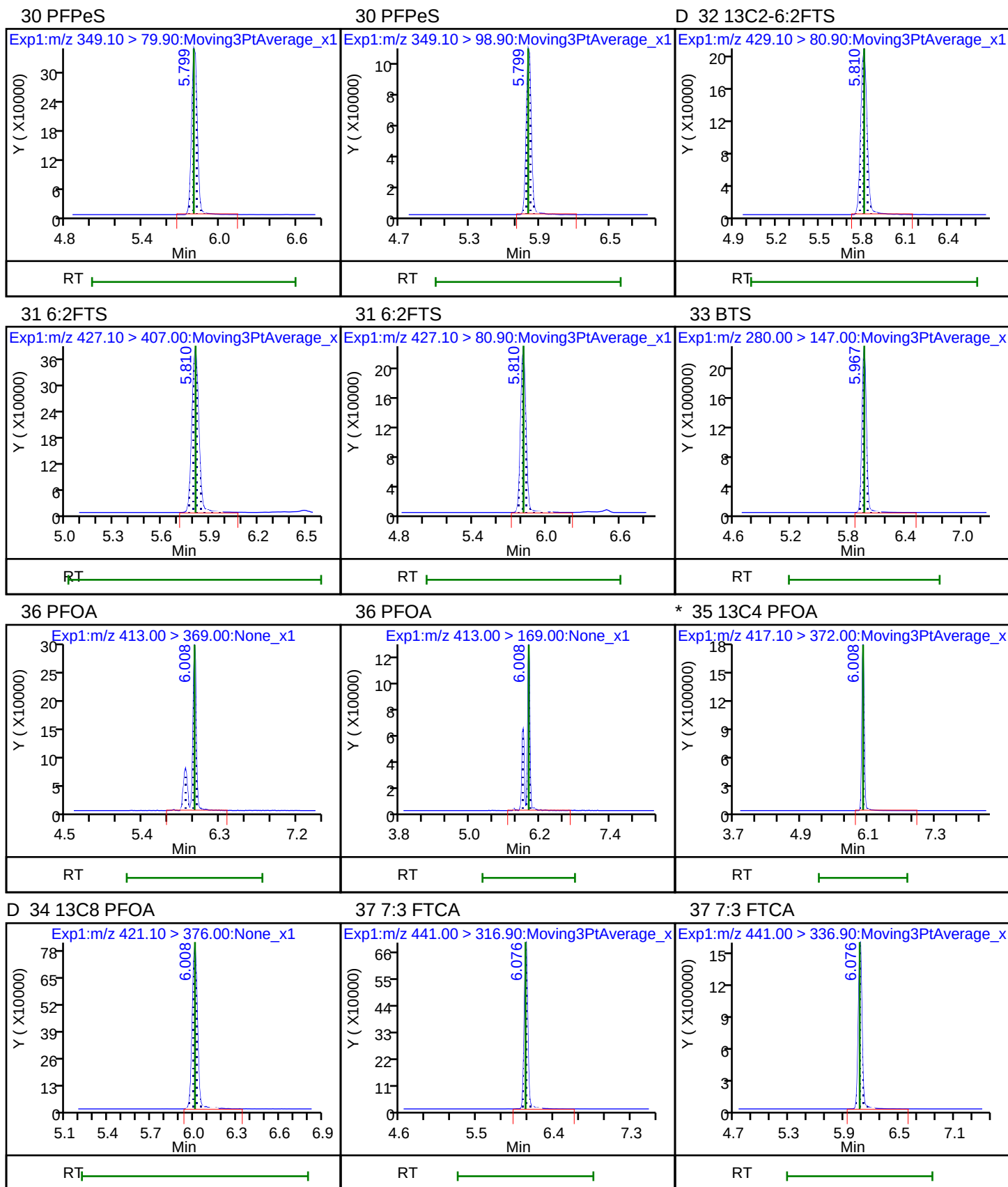
10 PFMB A

11 4:2FTS





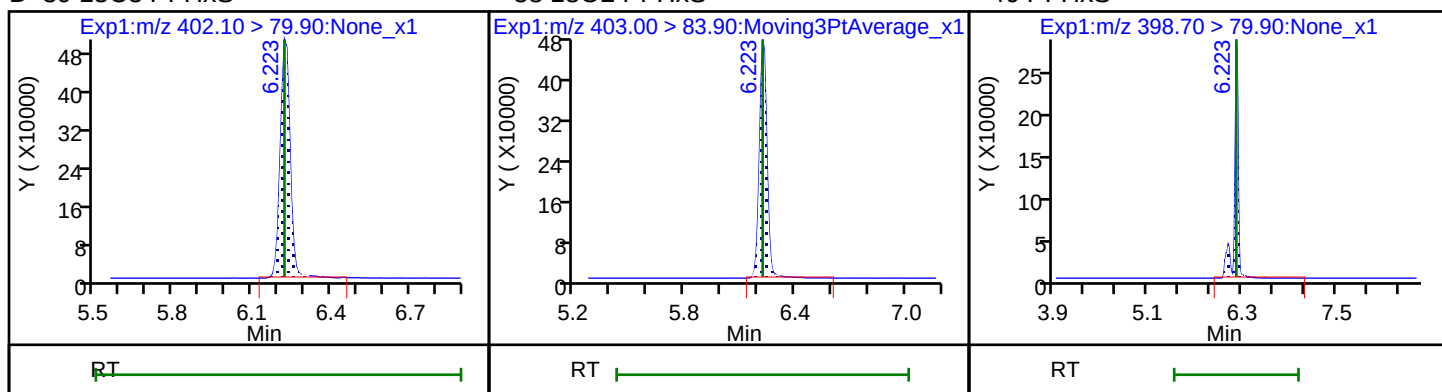




D 39 13C3 PFHxS

* 38 18O2 PFHxS

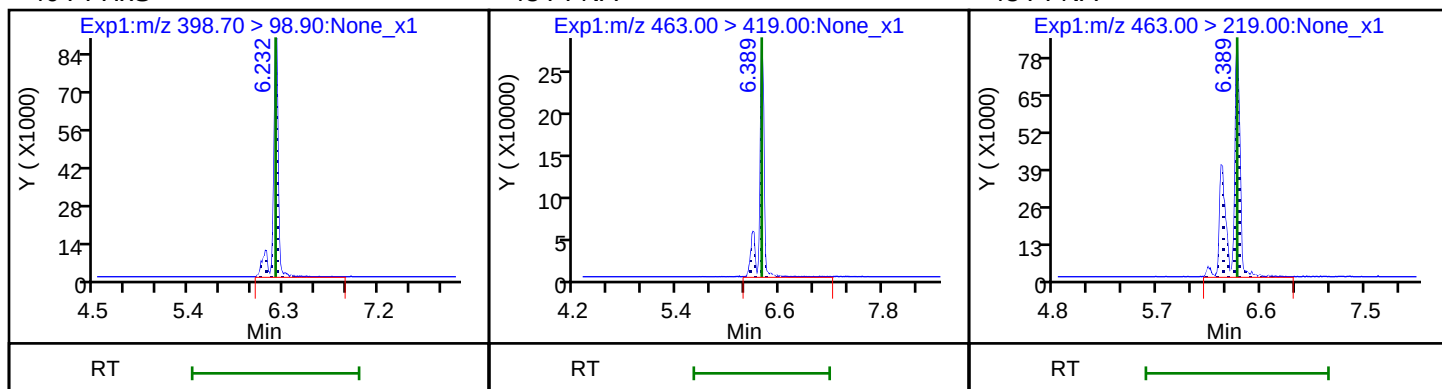
40 PFHxS



40 PFHxS

43 PFNA

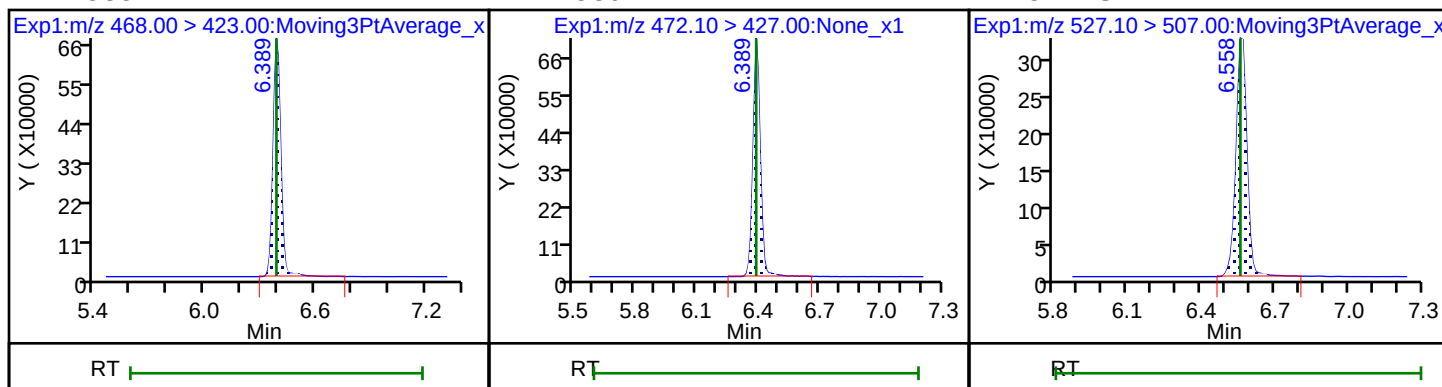
43 PFNA



* 41 13C5 PFNA

D 42 13C9 PFNA

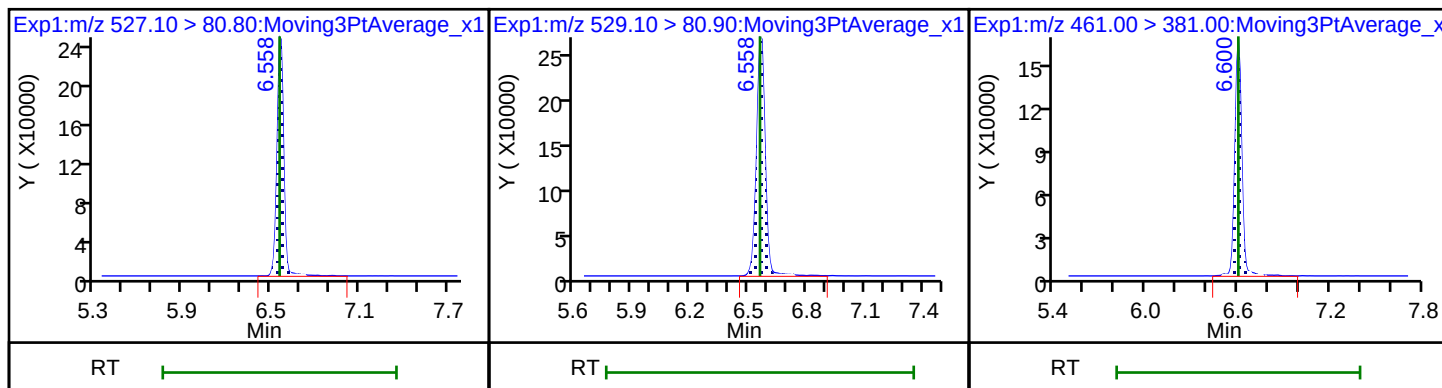
44 8:2FTS



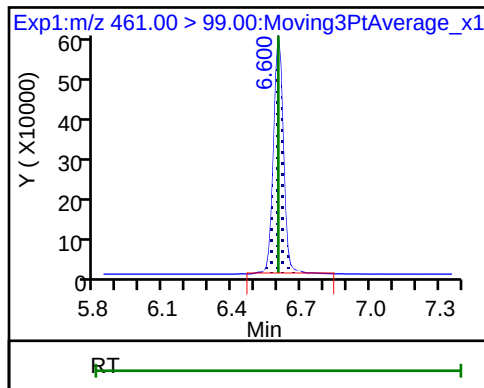
44 8:2FTS

D 45 13C2-8:2FTS

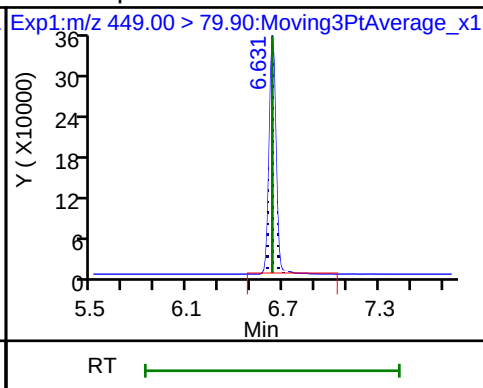
46 PFECHS



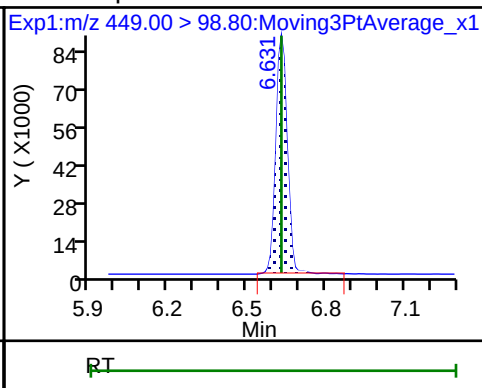
46 PFECHS



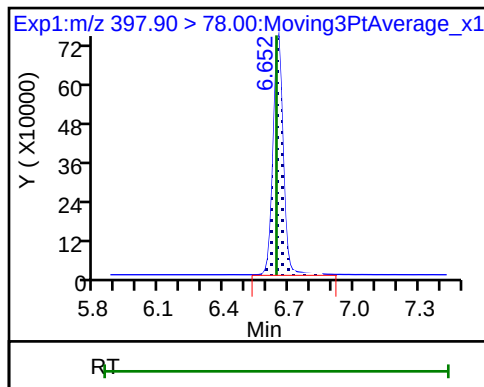
47 PFHpS



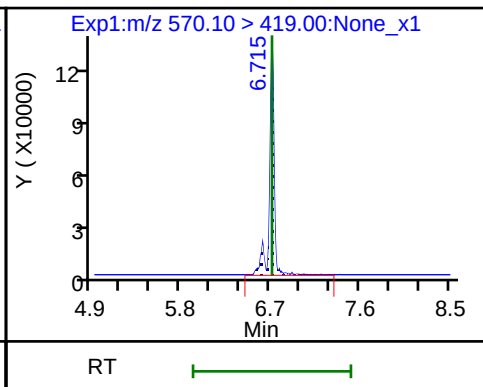
47 PFHpS



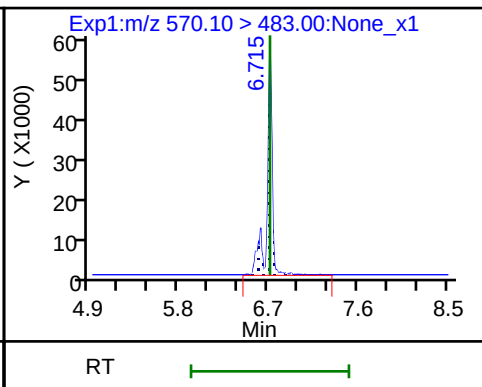
53 FHxSA



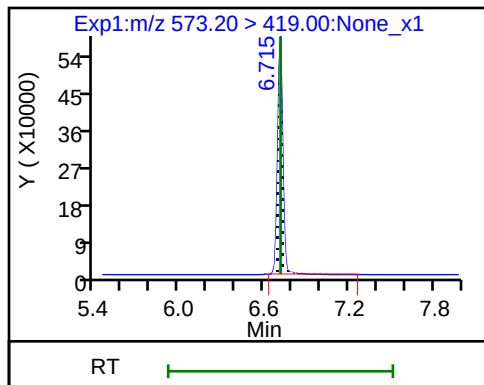
49 NMeFOSAA



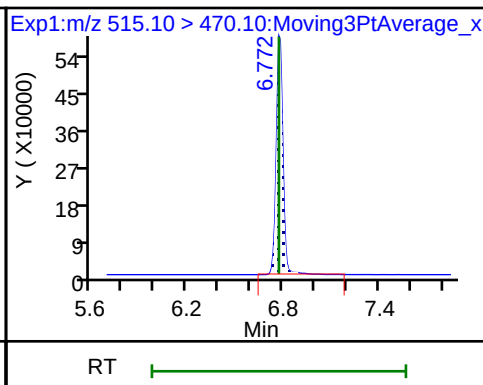
49 NMeFOSAA



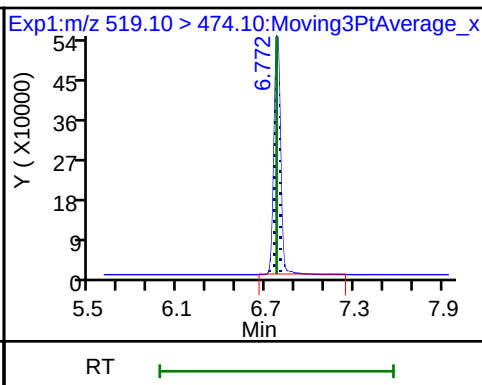
D 48 d3-NMeFOSAA



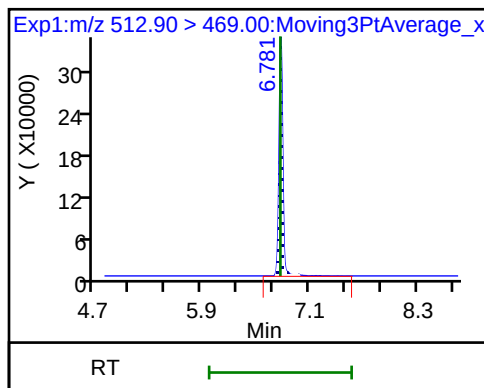
* 50 13C2 PFDA



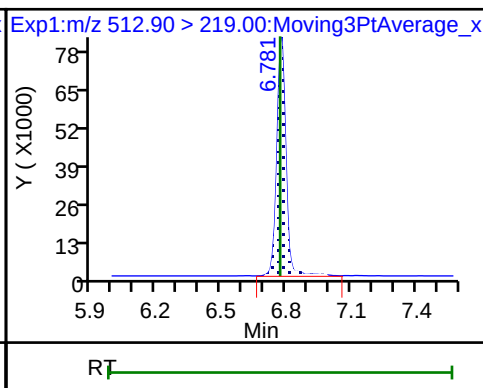
D 51 13C6 PFDA



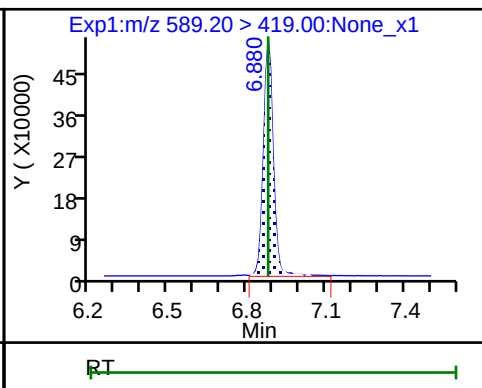
52 PFDA

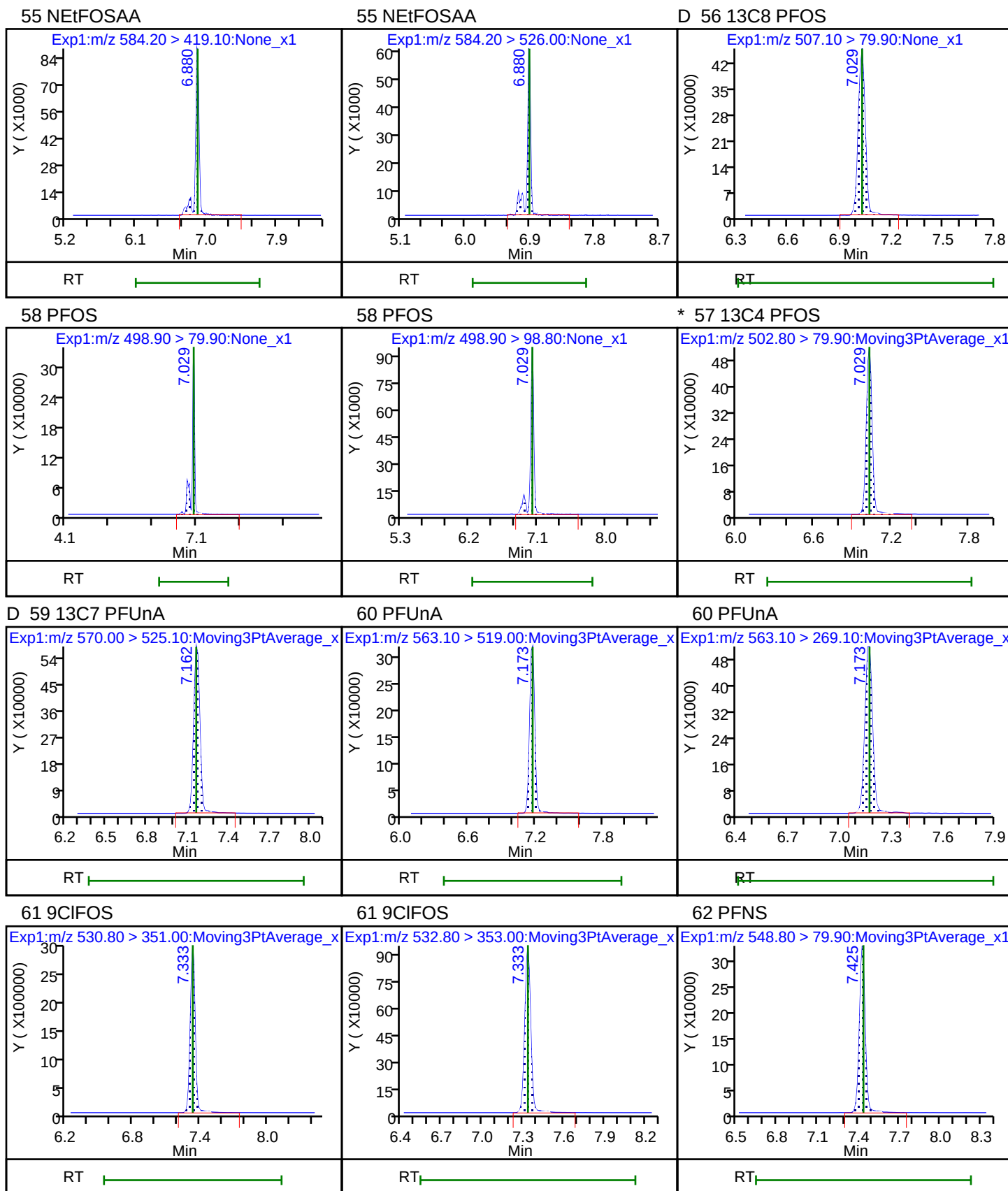


52 PFDA

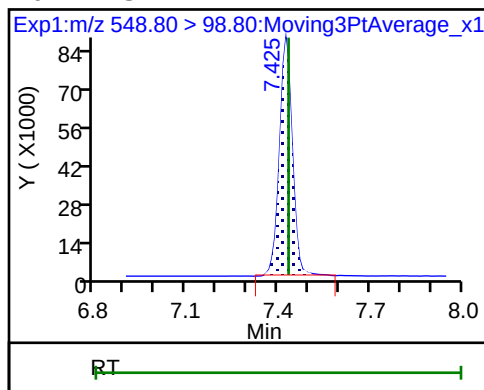


D 54 d5-NEtFOSAA

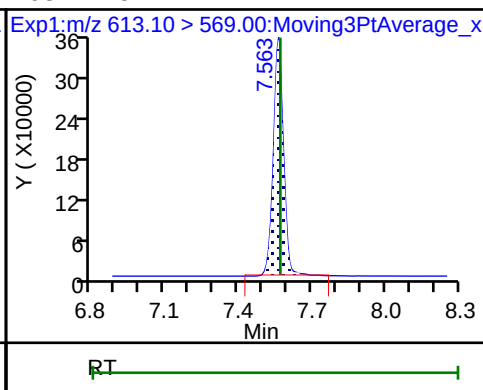




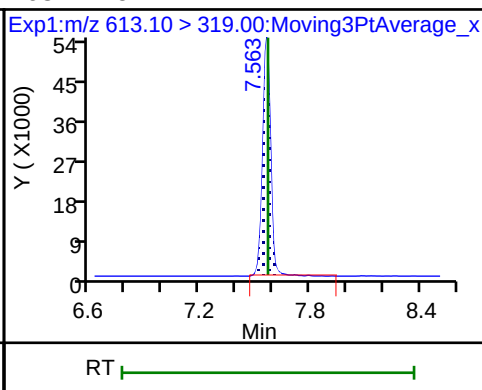
62 PFNS



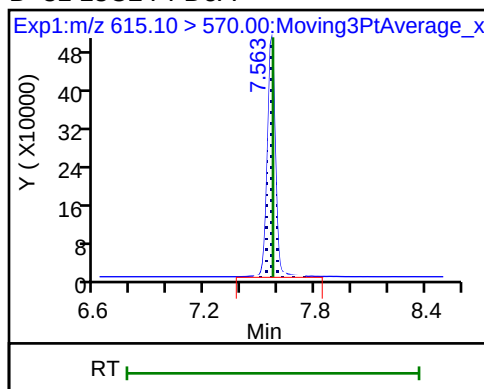
63 PFDaA



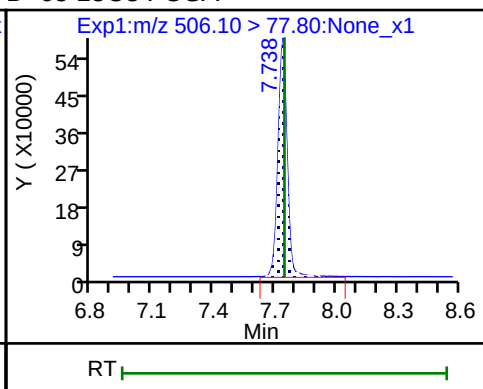
63 PFDaA



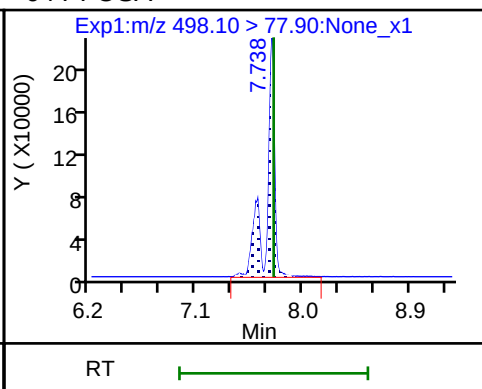
D 81 13C2 PFDaA



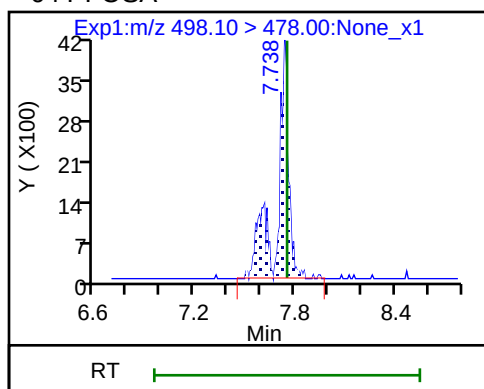
D 65 13C8 FOSA



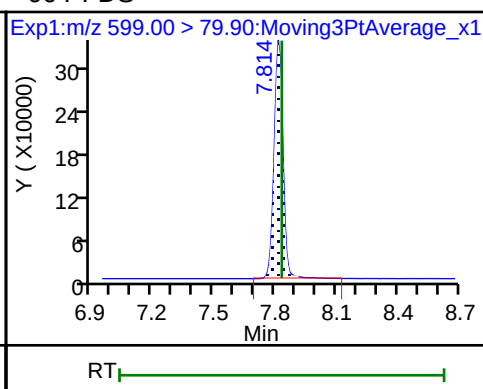
64 PFOSA



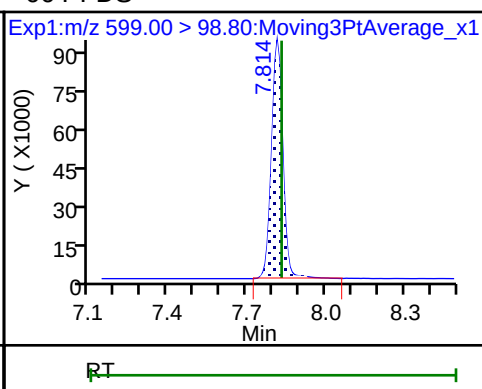
64 PFOSA



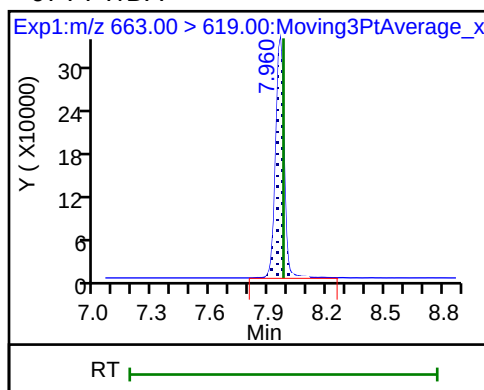
66 PFDS



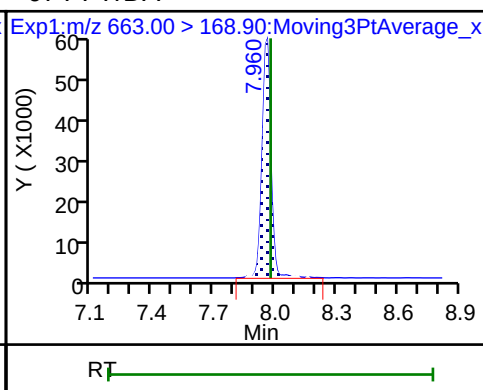
66 PFDS



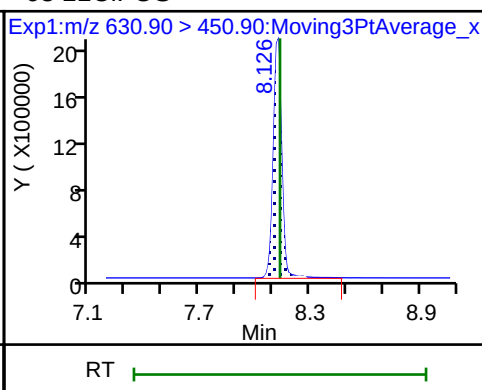
67 PFTTrDA



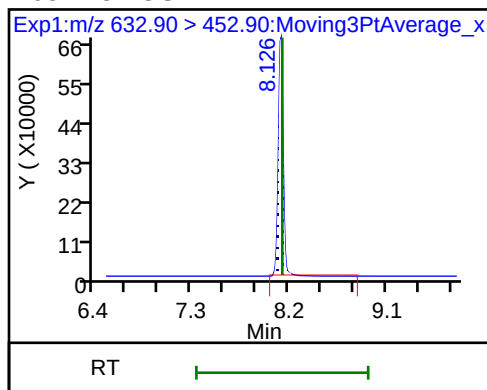
67 PFTTrDA



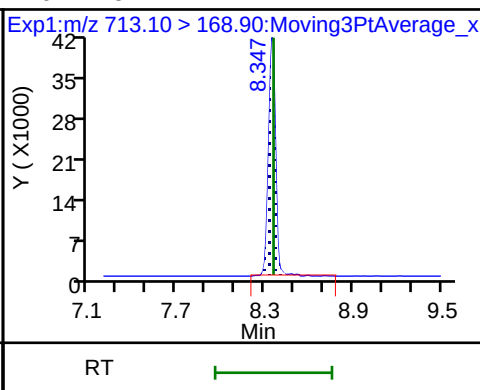
68 11CIFOS



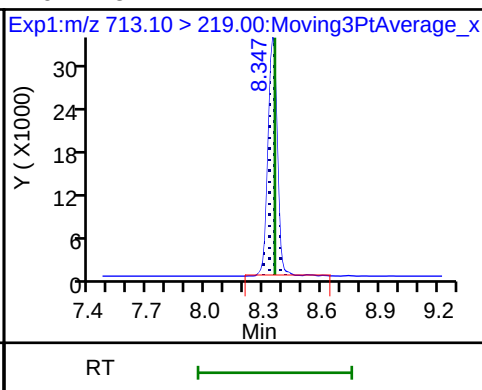
68 11CIFOS



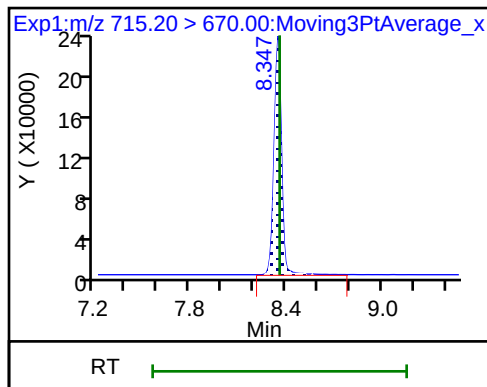
70 PFTeDA



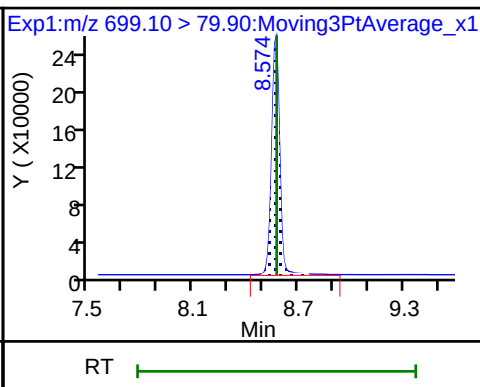
70 PFTeDA



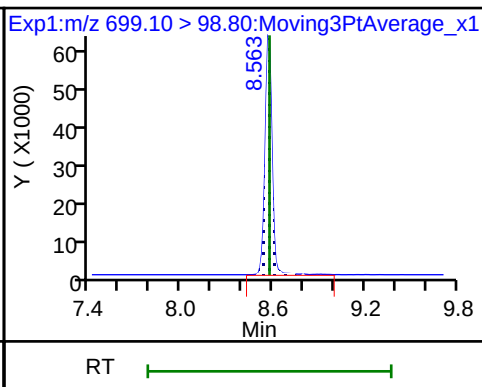
D 69 13C2 PFTeDA



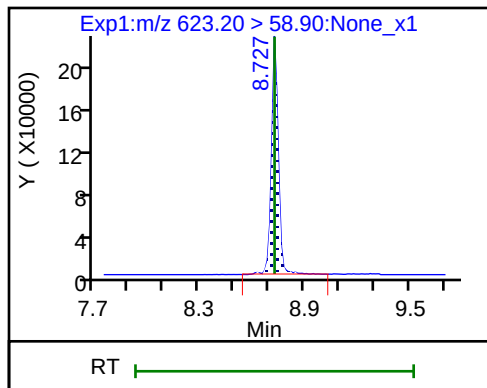
71 PFDoS



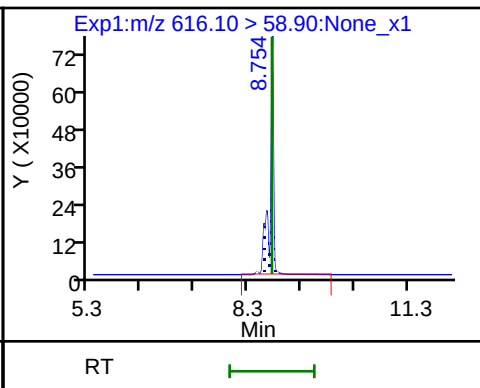
71 PFDoS



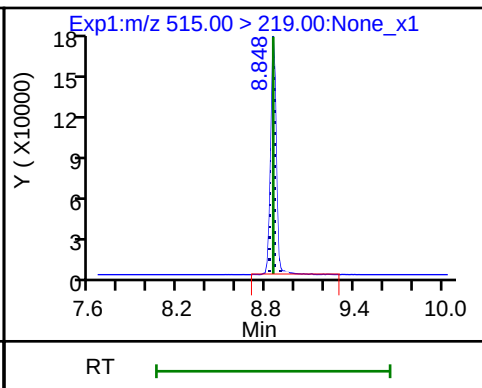
D 72 d7-N-Me-FOSE



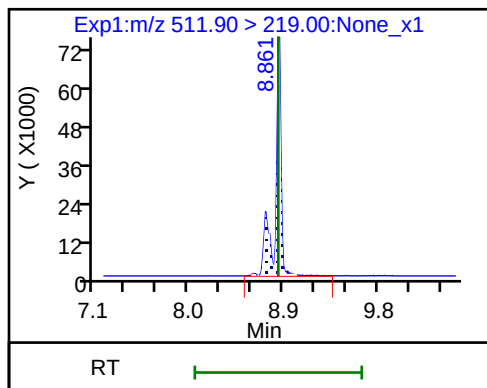
73 N-MeFOSE-M



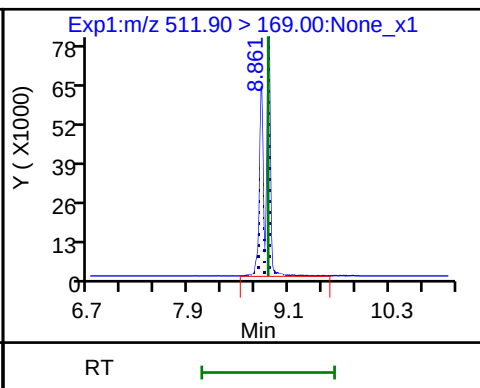
D 74 d3-NMePFOSA



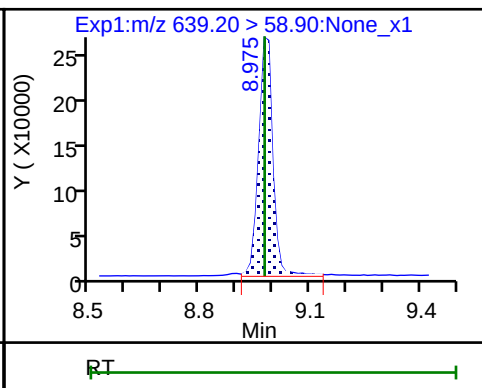
75 NMeFOSA

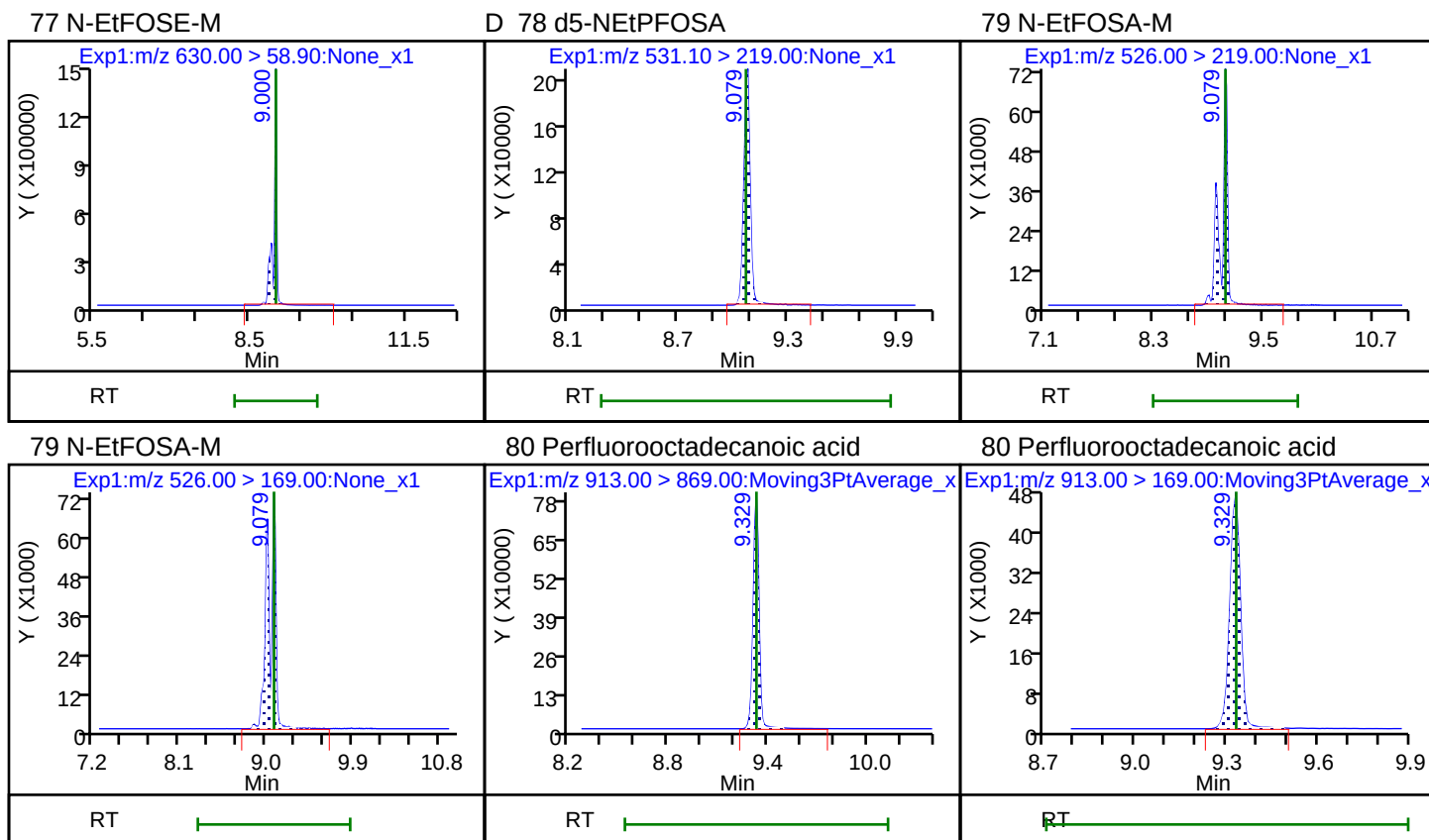


75 NMeFOSA



D 76 d9-N-EtFOSE





FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.: _____

Lab Sample ID: CCVO 410-737075/1

Calibration Date: 12/01/2025 10:14

Instrument ID: 30570

Calib Start Date: 11/29/2025 11:15

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 11/29/2025 12:50

Lab File ID: 25DEC01-01.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoropropionic acid (PFPrA)	AveID	0.9875	1.080		0.273	0.250	9.0	30.0
Perfluorobutanoic acid	AveID	0.9142	0.9646		0.106	0.100	6.0	30.0
Perfluoro-3-methoxypropanoic acid	AveID	1.295	1.256		0.0485	0.0500	-3.0	30.0
3-Perfluoropropylpropanoic acid (3:3 FTCA)	AveID	0.0611	0.0528		0.0864	0.100	-14.0	30.0
Perfluoropentanoic acid	AveID	1.207	1.306		0.0541	0.0500	8.0	30.0
Perfluoro(4-methoxybutanoic acid)	AveID	1.723	1.670		0.0485	0.0500	-3.0	30.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	1.645	1.737		0.0991	0.0938	6.0	30.0
Perfluoro-3,6-dioxahexanoic acid	AveID	0.1758	0.2152		0.0612	0.0500	22.0	30.0
Perfluorohexanoic acid	AveID	0.9656	1.102		0.0571	0.0500	14.0	30.0
3-Perfluoropentylpropanoic acid (5:3 FTCA)	AveID	0.1310	0.1069		0.204	0.250	-18.0	30.0
Perfluorobutanesulfonic acid	AveID	1.226	1.252		0.0453	0.0444	2.0	30.0
HFPO-DA	AveID	1.035	1.075		0.0389	0.0375	4.0	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	1.033	0.8672		0.0420	0.0500	-16.0	30.0
PFEESA	AveID	2.916	2.886		0.0441	0.0446	-1.0	30.0
Perfluoroheptanoic acid	AveID	0.9509	1.140		0.0599	0.0500	20.0	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	3.296	3.021		0.0434	0.0473	-8.0	30.0
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	AveID	1.881	1.792		0.0907	0.0952	-5.0	30.0
Perfluoropentanesulfonic acid	AveID	1.255	1.306		0.0489	0.0470	4.0	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	2.278	2.244		0.0482	0.0490	-2.0	30.0
Perfluorooctanoic acid	L2ID		1.053		0.0507	0.0500	1.0	30.0
7:3 FTCA	AveID	0.0692	0.0690		0.249	0.250	0.0	30.0
Perfluorohexanesulfonic acid	L2ID		1.440		0.0433	0.0456	-5.0	30.0
Perfluorononanoic acid	AveID	0.9220	1.025		0.0556	0.0500	11.0	30.0
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	AveID	1.320	1.264		0.0919	0.0960	-4.0	30.0
Perfluoro-4-ethylcyclohexane sulfonic acid (PFECHS)	AveID	0.3542	0.3258		0.0425	0.0462	-8.0	30.0
Perfluoroheptanesulfonic acid	AveID	1.230	1.293		0.0501	0.0477	5.0	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	1.488	1.361		0.0457	0.0500	-9.0	30.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.9877	0.9459		0.0479	0.0500	-4.0	30.0
Perfluorodecanoic acid	AveID	1.000	1.018		0.0509	0.0500	2.0	30.0
NETFOSAA	AveID	0.7659	0.8487		0.0554	0.0500	11.0	30.0
Perfluorooctanesulfonic acid	AveID	1.535	1.732		0.0525	0.0465	13.0	30.0
Perfluoroundecanoic acid	AveID	0.8783	0.9094		0.0518	0.0500	4.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Lab Sample ID: CCVO 410-737075/1

Calibration Date: 12/01/2025 10:14

Instrument ID: 30570

Calib Start Date: 11/29/2025 11:15

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 11/29/2025 12:50

Lab File ID: 25DEC01-01.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
9-Chlorohexadecafluoro-3-oxa nonane-1-sulfonic acid	AveID	2.755	2.783		0.0472	0.0467	1.0	30.0
Perfluorononanesulfonic acid	AveID	1.145	1.128		0.0474	0.0481	-1.0	30.0
Perfluorododecanoic acid	AveID	1.031	1.116		0.0542	0.0500	8.0	30.0
Perfluorooctanesulfonamide (PFOSA)	AveID	0.8957	0.9408		0.0525	0.0500	5.0	30.0
Perfluorodecanesulfonic acid	AveID	1.228	1.218		0.0478	0.0482	-1.0	30.0
Perfluorotridecanoic acid	AveID	1.409	1.303		0.0462	0.0500	-8.0	30.0
11-Chloroeicosafluoro-3-oxa undecane-1-sulfonic acid	AveID	1.924	2.004		0.0492	0.0472	4.0	30.0
Perfluorotetradecanoic acid	AveID	0.2913	0.2661		0.0457	0.0500	-9.0	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.9869	1.054		0.0518	0.0485	7.0	30.0
2- (N-methylperfluoro-1-octanes ulfonamido) ethanol	AveID	2.328	2.467		0.265	0.250	6.0	30.0
NMeFOSA	AveID	1.030	1.079		0.0523	0.0500	5.0	30.0
2- (N-ethylperfluoro-1-octanesu lfonamido) ethanol	AveID	2.840	2.841		0.250	0.250	0.0	30.0
N-ethylperfluoro-1-octanesul fonamide	AveID	0.9256	0.9714		0.0525	0.0500	5.0	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	2.284	2.201		0.0482	0.0500	-4.0	30.0
13C3 PFPrA	Ave	0.8545	0.8174		1.91	2.00	-4.0	30.0
13C4 PFBA	Ave	1.161	1.157		1.99	2.00	0.0	30.0
13C5 PFPeA	Ave	0.8217	0.8091		1.97	2.00	-2.0	30.0
13C2 4:2 FTS	Ave	0.2688	0.2860		4.99	4.69	6.0	30.0
13C5 PFHxA	Ave	1.134	1.172		2.07	2.00	3.0	30.0
13C3 PFBS	Ave	1.385	1.356		1.83	1.86	-2.0	30.0
13C3 HFPO-DA	Ave	0.7791	0.8516		2.19	2.00	9.0	30.0
13C4 PFHpA	Ave	0.9642	0.9709		2.01	2.00	1.0	30.0
13C2 6:2 FTS	Ave	0.2032	0.2401		5.63	4.76	18.0	30.0
13C8 PFOA	Ave	1.033	1.012		1.96	2.00	-2.0	30.0
13C3 PFHxS	Ave	1.017	1.014		1.89	1.90	0.0	30.0
13C9 PFNA	Ave	0.9623	0.9338		1.94	2.00	-3.0	30.0
M2-8:2 FTS	Ave	0.2535	0.2785		5.27	4.80	10.0	30.0
d3-NMeFOSAA	Ave	0.3888	0.4426		5.69	5.00	14.0	30.0
13C6 PFDA	Ave	1.014	1.044		2.06	2.00	3.0	30.0
d5-NEtFOSAA	Ave	0.3899	0.3658		4.69	5.00	-6.0	30.0
13C8 PFOS	Ave	0.8819	0.8689		1.89	1.92	-1.0	30.0
13C7 PFUnA	Ave	1.153	1.130		1.96	2.00	-2.0	30.0
13C2 PFDoA	Ave	0.9721	0.9658		1.99	2.00	-1.0	30.0
13C8 FOSA	Ave	1.146	1.028		1.79	2.00	-10.0	30.0
13C2 PFTeDA	Ave	0.4955	0.5287		2.13	2.00	7.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Lab Sample ID: CCVO 410-737075/1

Calibration Date: 12/01/2025 10:14

Instrument ID: 30570

Calib Start Date: 11/29/2025 11:15

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 11/29/2025 12:50

Lab File ID: 25DEC01-01.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d7-N-MeFOSE-M	Ave	0.1589	0.1528		4.81	5.00	-4.0	30.0
d3-NMePFOSA	Ave	0.2779	0.2802		2.02	2.00	1.0	30.0
d9-N-EtFOSE-M	Ave	0.1837	0.1888		5.14	5.00	3.0	30.0
d5-NEtPFOSA	Ave	0.3346	0.3362		2.01	2.00	0.0	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\25DEC01-01.d
Lims ID: CCVO 1_CAL1
Client ID:
Sample Type: CCVO
Inject. Date: 01-Dec-2025 10:14:17 ALS Bottle#: 2 Worklist Smp#: 1
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: CAL1
Misc. Info.: Plate: 1 Rack: 1
Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570
Sublist: chrom-30570-1633-125ml*sub7
Method: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\30570-1633-125ml.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 02-Dec-2025 07:03:53 Calib Date: 29-Nov-2025 12:50:55
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-08.d

Column 1 : Det: EXP1
Process Host: CTX1649

First Level Reviewer: VGQ7 Date: 01-Dec-2025 14:03:07

Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C3PFPrA										
166.00 > 121.00	1.973	1.973	0.0	0.480	1196112	1.91		95.7	116700	
2 Perfluoropropionic acid										
163.00 > 119.00	1.985	1.985	0.0	1.006	161424	0.2733		109	1083	
5 PFBA										
212.80 > 168.90	4.109	4.109	0.0	1.000	81648	0.1055		106	1193	
D 3 13C4-PFBA										
216.80 > 171.90	4.109	4.109	0.0	1.000	1692943	1.99		99.6	5311	
* 4 13C3PFBA										
216.00 > 172.00	4.109	4.109	0.0		1463384	2.00			1425	
6 PFMPA										
229.00 > 84.90	4.424	4.424	0.0	0.930	42031	0.0485		97.0	342	
7 3:3 FTCA										
241.00 > 177.00	4.433	4.433	0.0	0.932	3534	0.0864	Target=1.35	86.4	168	
241.00 > 117.00	4.433	4.433	0.0	0.932	2997		1.18(0.68-2.03)		32.4	
D 8 13C5 PFPeA										
268.30 > 223.00	4.755	4.755	0.0	0.911	1338329	1.97		98.5	4888	
9 PFPA										
263.00 > 219.00	4.765	4.765	0.0	1.002	43697	0.0541		108	63.9	
10 PFMBA										
279.00 > 85.10	4.915	4.915	0.0	1.034	55886	0.0485		96.9	568	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.036	5.036	0.0	0.803	913586	4.99		106	4930	
11 4:2FTS										
327.10 > 307.00	5.036	5.036	0.0	1.000	31742	0.0991	Target=1.50	106	345	
327.10 > 80.90	5.036	5.036	0.0	1.000	21033		1.51(0.75-2.25)		44.5	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.181	5.181	0.0	0.993	10432	0.0612	Target=1.60	122	146	
295.00 > 84.90	5.181	5.181	0.0	0.993	6352		1.64(0.80-2.41)		72.1	
* 16 13C2 PFHxA										
315.10 > 270.00	5.219	5.219	0.0		4135332	5.00			7350	
D 15 13C5 PFHxA										
318.00 > 273.00	5.219	5.219	0.0	1.000	1939345	2.07		103	6941	
17 PFHxA										
313.00 > 269.00	5.228	5.228	0.0	1.002	53434	0.0571	Target=10.68	114	138	
313.00 > 118.90	5.238	5.228	0.010	1.004	4394		12.16(5.34-16.01)		28.1	
18 5:3 FTCA										
341.00 > 237.10	5.297	5.297	0.0	1.015	25914	0.2040	Target=0.91	81.6	210	
341.00 > 217.00	5.297	5.297	0.0	1.015	31344		0.83(0.46-1.37)		177	
19 PFBS										
298.70 > 79.90	5.362	5.362	0.0	1.000	51367	0.0453	Target=2.86	102	120	
298.70 > 98.80	5.362	5.362	0.0	1.000	18077		2.84(1.43-4.30)		113	
D 20 13C3 PFBS										
302.10 > 79.90	5.362	5.362	0.0	0.855	1722016	1.83		97.9	4536	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.406	5.406	0.0	1.036	1408639	2.19		109	7408	
21 HFPO-DA										
284.90 > 168.90	5.406	5.406	0.0	1.000	28392	0.0389	Target=2.59	104	183	
284.90 > 184.90	5.406	5.406	0.0	1.000	10156		2.80(1.30-3.89)		72.4	
23 FBSA										
297.90 > 78.00	5.427	5.427	0.0	1.012	40057	0.0420		84.0	283	
26 PFEESA										
314.80 > 134.90	5.599	5.599	0.0	1.073	124820	0.0441	Target=12.75	99.0	888	
314.80 > 82.90	5.599	5.599	0.0	1.073	9832		12.70(6.37-19.12)		58.9	
28 PFHpA										
363.10 > 319.00	5.642	5.642	0.0	1.000	45753	0.0599	Target=2.26	120	147	
363.10 > 169.00	5.642	5.642	0.0	1.000	19044		2.40(1.13-3.39)		74.3	
D 27 13C4 PFHpA										
367.10 > 322.00	5.642	5.642	0.0	1.081	1606040	2.01		101	9605	
29 ADONA										
376.90 > 250.90	5.799	5.799	0.0	1.073	100657	0.0434	Target=1.92	91.7	353	
376.90 > 84.80	5.799	5.799	0.0	1.073	51207		1.97(0.96-2.88)		303	
30 PFPeS										
349.10 > 79.90	5.845	5.845	0.0	0.932	42422	0.0489	Target=3.26	104	301	
349.10 > 98.90	5.845	5.845	0.0	0.932	11029		3.85(1.63-4.89)		80.6	
31 6:2FTS										
427.10 > 407.00	5.845	5.845	0.0	1.000	27902	0.0907	Target=1.68	95.3	6.6	
427.10 > 80.90	5.845	5.845	0.0	1.000	17190		1.62(0.84-2.52)		5.8	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.845	5.845	0.0	0.932	778593	5.63		118	2299	
33 BTS										
280.00 > 147.00	6.007	6.007	0.0	0.958	75870	0.0482		98.5	464	
* 35 13C4 PFOA										
417.10 > 372.00	6.038	6.038	0.0		5006261	5.00		18198	12/10/2025	

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	6.048	6.048	0.0	1.002	2027324	1.96		98.0	4026	
36 PFOA										
413.00 > 369.00	6.048	6.048	0.0	1.000	53388	0.0507	Target=2.08	101	91.5	
413.00 > 169.00	6.038	6.048	-0.010	0.998	20018		2.67(1.04-3.13)		35.2	
37 7:3 FTCA										
441.00 > 316.90	6.102	6.102	0.0	1.169	16716	0.2492	Target=0.45	99.7	128	
441.00 > 336.90	6.110	6.102	0.008	1.171	29712		0.56(0.23-0.68)		197	
D 39 13C3 PFHxS										a
402.10 > 79.90	6.268	6.268	0.0	1.000	1309868	1.89		99.7	2276	a
* 38 18O2 PFHxS										
403.00 > 83.90	6.268	6.268	0.0		1291419	1.90			2678	
40 PFHxS										
398.70 > 79.90	6.277	6.277	0.0	1.001	45357	0.0433	Target=3.32	95.0	130	
398.70 > 98.90	6.268	6.277	-0.009	1.000	10754		4.22(1.66-4.97)		24.8	
43 PFNA										
463.00 > 419.00	6.430	6.430	0.0	1.000	46732	0.0556	Target=2.36	111	67.0	
463.00 > 219.00	6.441	6.430	0.011	1.002	19825		2.36(1.18-3.54)		39.7	
* 41 13C5 PFNA										
468.00 > 423.00	6.430	6.430	0.0		1952696	2.00			6885	
D 42 13C9 PFNA										a
472.10 > 427.00	6.430	6.430	0.0	1.000	1823405	1.94		97.0	2013	a
44 8:2FTS										
527.10 > 507.00	6.610	6.610	0.0	1.000	23022	0.0919	Target=1.32	95.8	131	
527.10 > 80.80	6.610	6.610	0.0	1.000	19693		1.17(0.66-1.99)		154	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.610	6.610	0.0	1.055	910484	5.27		110	1578	
46 PFECHS										
461.00 > 381.00	6.641	6.641	0.0	1.059	10398	0.0425	Target=0.28	92.0	80.4	
461.00 > 99.00	6.651	6.641	0.010	1.061	39456		0.26(0.14-0.42)		275	
47 PFHpS										
449.00 > 79.90	6.673	6.673	0.0	0.943	42086	0.0501	Target=3.76	105	218	
449.00 > 98.80	6.683	6.673	0.010	0.944	12110		3.48(1.88-5.64)		85.0	
53 FHxSA										
397.90 > 78.00	6.683	6.683	0.0	1.066	47017	0.0457		91.5	252	
49 NMeFOSAA										
570.10 > 419.00	6.763	6.763	0.0	1.000	16444	0.0479	Target=1.91	95.8	31.5	
570.10 > 483.00	6.763	6.763	0.0	1.000	8984		1.83(0.96-2.87)		17.4	
D 48 d3-NMeFOSAA										
573.20 > 419.00	6.763	6.763	0.0	0.955	1738362	5.69		114	3503	
* 50 13C2 PFDA										
515.10 > 470.10	6.823	6.823	0.0		1727873	2.00			4628	
D 51 13C6 PFDA										
519.10 > 474.10	6.823	6.823	0.0	1.000	1804608	2.06		103	4012	
52 PFDA										
512.90 > 469.00	6.823	6.823	0.0	1.000	45924	0.0509	Target=4.25	102	351	
512.90 > 219.00	6.823	6.823	0.0	1.000	11091		4.14(2.12-6.37)		103	

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	6.927	6.927	0.0	0.978	1436774	4.69		93.8	2735	
55 NEtFOSAA										M
584.20 > 419.10	6.936	6.936	0.0	1.001	12194	0.0554	Target=1.44	111	32.7	
584.20 > 526.00	6.946	6.936	0.010	1.003	9447		1.29(0.72-2.15)		33.8	M
D 56 13C8 PFOS										
507.10 > 79.90	7.080	7.080	0.0	1.000	1307726	1.89		98.5	1359	
58 PFOS										
498.90 > 79.90	7.080	7.080	0.0	1.000	54966	0.0525	Target=4.40	113	122	
498.90 > 98.80	7.070	7.080	-0.010	0.999	11835		4.64(2.20-6.60)		32.7	
* 57 13C4 PFOS										
502.80 > 79.90	7.080	7.080	0.0		1505052	1.92			6543	
D 59 13C7 PFUnA										
570.00 > 525.10	7.223	7.223	0.0	1.059	1953310	1.96		98.1	4353	
60 PFUnA										
563.10 > 519.00	7.223	7.223	0.0	1.000	44409	0.0518	Target=6.12	104	351	
563.10 > 269.10	7.223	7.223	0.0	1.000	6954		6.39(3.06-9.18)		57.1	
61 9C1FOS										
530.80 > 351.00	7.397	7.397	0.0	1.045	88716	0.0472	Target=3.14	101	674	
532.80 > 353.00	7.388	7.397	-0.009	1.044	25353		3.50(1.57-4.71)		206	
62 PFNS										
548.80 > 79.90	7.488	7.488	0.0	1.058	37029	0.0474	Target=3.48	98.5	310	
548.80 > 98.80	7.488	7.488	0.0	1.058	9730		3.81(1.74-5.23)		103	
D 81 13C2 PFDaA										
615.10 > 570.00	7.624	7.624	0.0	1.117	1668840	1.99		99.4	1599	
63 PFDaA										
613.10 > 569.00	7.631	7.631	0.0		46563	0.0542	Target=6.22	108	330	
613.10 > 319.00	7.631	7.631	0.0		7094		6.56(3.11-9.33)		91.8	
D 65 13C8 FOSA										
506.10 > 77.80	7.776	7.776	0.0	1.098	1614378	1.79		89.7	2595	
64 PFOSA										M
498.10 > 77.90	7.776	7.776	0.0	1.000	37971	0.0525	Target=53.04	105	95.7	
498.10 > 478.00	7.760	7.776	-0.016	0.998	635		59.80(26.52-79.56)		3.4	M
66 PFDS										
599.00 > 79.90	7.887	7.887	0.0	1.114	40071	0.0478	Target=3.66	99.2	554	
599.00 > 98.80	7.894	7.887	0.007	1.115	9960		4.02(1.83-5.49)		139	
67 PFTTrDA										
663.00 > 619.00	8.027	8.027	0.0	0.953	42065	0.0462	Target=5.85	92.5	455	
663.00 > 168.90	8.035	8.027	0.008	0.954	7501		5.61(2.93-8.78)		128	
68 11C1FOS										
630.90 > 450.90	8.203	8.203	0.0	1.159	64560	0.0492	Target=3.12	104	555	
632.90 > 452.90	8.193	8.203	-0.010	1.157	21457		3.01(1.56-4.68)		201	
D 69 13C2 PFTeDA										
715.20 > 670.00	8.423	8.423	0.0	1.234	913560	2.13		107	3963	
70 PFTeDA										
713.10 > 168.90	8.432	8.432	0.0	1.001	6077	0.0457	Target=1.15	91.3	99.0	
713.10 > 219.00	8.423	8.432	-0.009	1.000	5068		1.20(0.58-1.73)		89.8	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
71 PFDoS										
699.10 > 79.90	8.658	8.658	0.0	1.223	34901	0.0518	Target=4.11	107	224	
699.10 > 98.80	8.658	8.658	0.0	1.223	7571		4.61(2.05-6.16)		97.1	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.741	8.741	0.0	1.235	600283	4.81		96.2	453	
73 N-MeFOSE-M										
616.10 > 58.90	8.754	8.754	0.0	1.002	74051	0.2649		106	39.5	
D 74 d3-NMePFOSA										
515.00 > 219.00	8.861	8.861	0.0	1.252	440137	2.02		101	1867	
75 NMeFOSA										
511.90 > 219.00	8.861	8.861	0.0	1.000	11868	0.0523	Target=0.69	105	75.5	
511.90 > 169.00	8.861	8.861	0.0	1.000	15851		0.75(0.35-1.04)		51.2	
D 76 d9-N-EtFOSE										
639.20 > 58.90	8.987	8.987	0.0	1.269	741584	5.14		103	488	
77 N-EtFOSE-M										
630.00 > 58.90	9.011	9.011	0.0	1.003	105355	0.2501		100	87.0	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.079	9.079	0.0	1.282	528122	2.01		100	1919	
79 N-EtFOSA-M										
526.00 > 219.00	9.091	9.091	0.0	1.001	12826	0.0525	Target=0.81	105	94.3	
526.00 > 169.00	9.091	9.091	0.0	1.001	15261		0.84(0.41-1.22)		44.5	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.453	9.453	0.0	1.122	50275	0.0482	Target=18.31	96.4	516	
913.00 > 169.00	9.445	9.453	-0.008	1.121	2598		19.35(9.15-27.46)		95.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

1633_125_CAL1_00068

Amount Added: 1.00

Units: mL

Data File: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\25DEC01-01.d

Injection Date: 01-Dec-2025 10:14:17

Instrument ID: 30570

Lims ID: CCVO 1_CAL1

Client ID:

Operator ID: ETUS023_USR_INS00003

ALS Bottle#: 2

Worklist Smp#: 1

Injection Vol: 7.0 ul

Dil. Factor: 1.0000

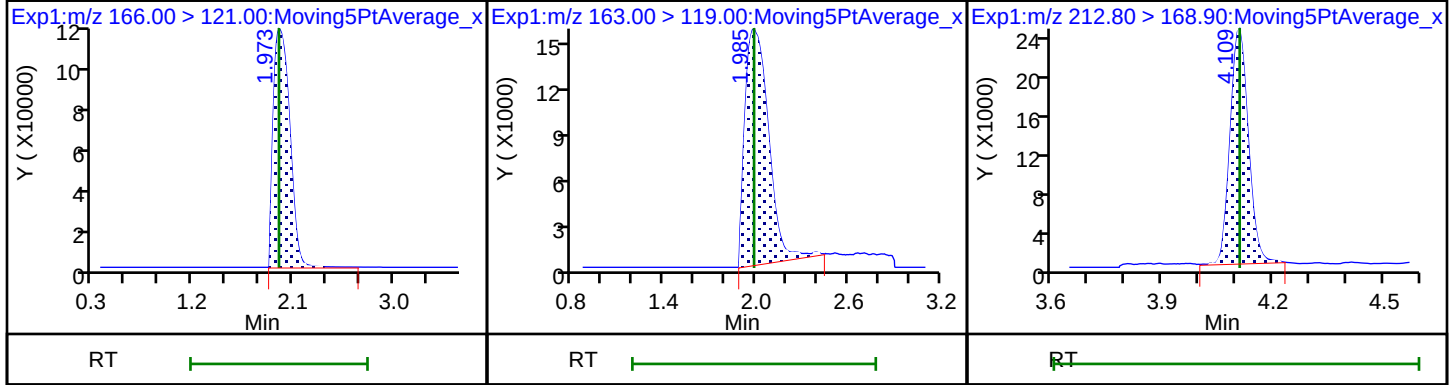
Method: 30570-1633-125ml

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid

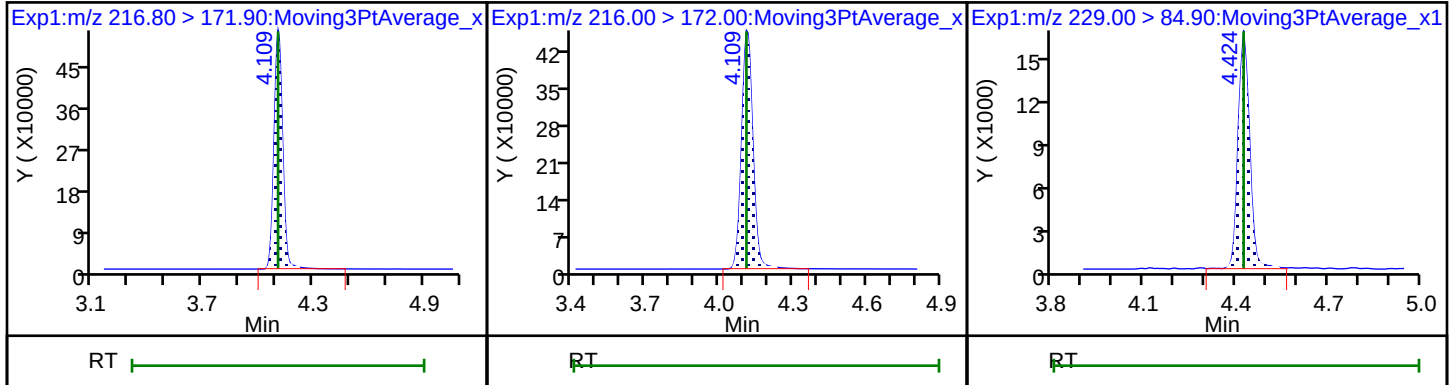
5 PFBA



D 3 13C4-PFBA

* 4 13C3PFBA

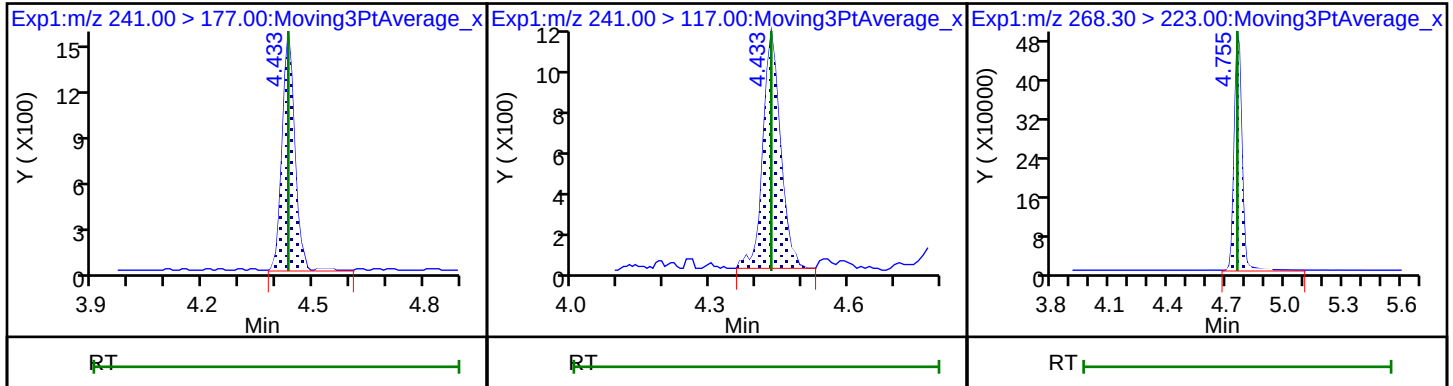
6 PFMPA



7 3:3 FTCA

7 3:3 FTCA

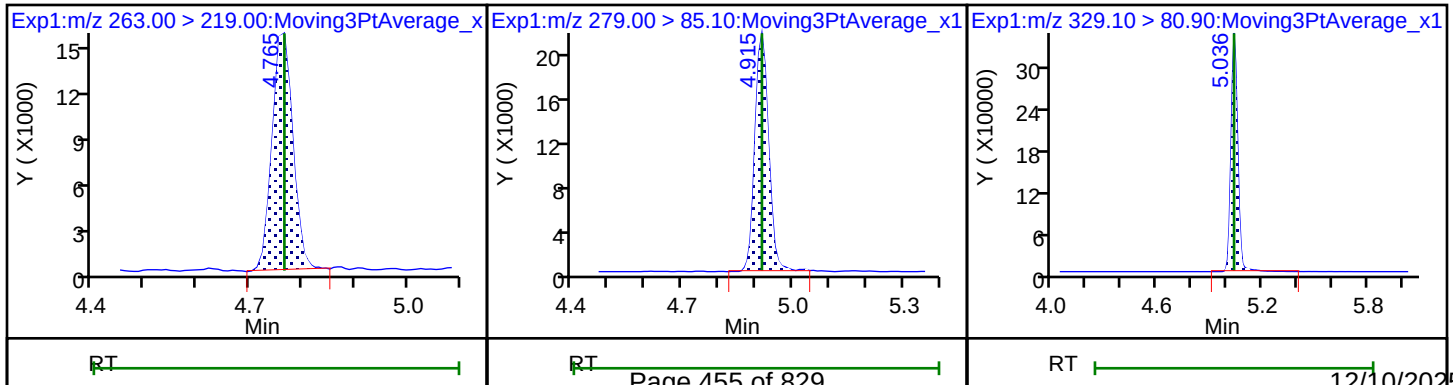
D 8 13C5 PFPeA

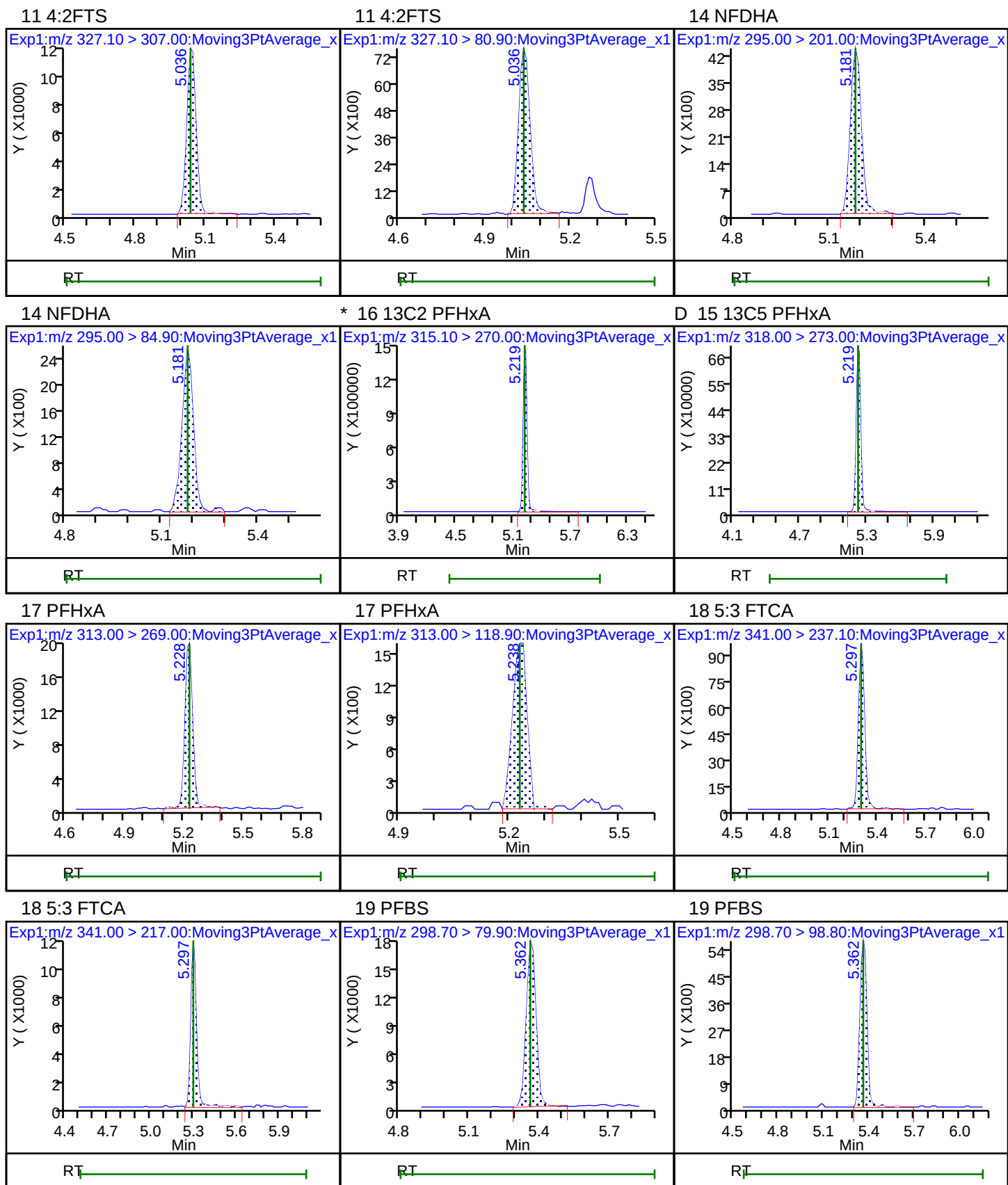


9 PFPA

10 PFMB A

D 13 13C2-4:2F TS

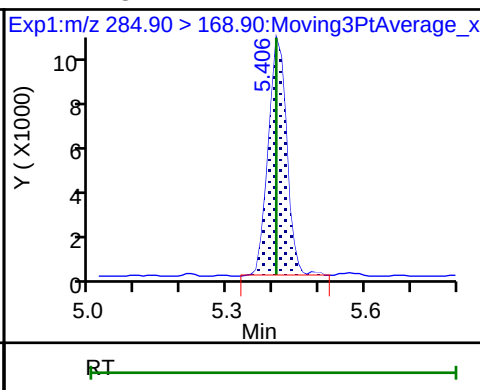
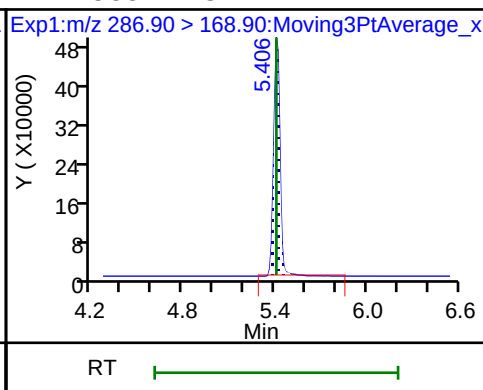
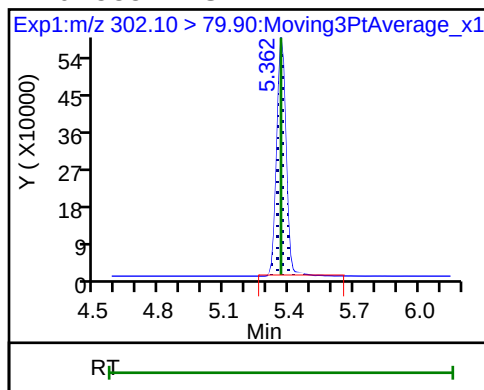




D 20 13C3 PFBS

D 22 13C3 HFPO-DA

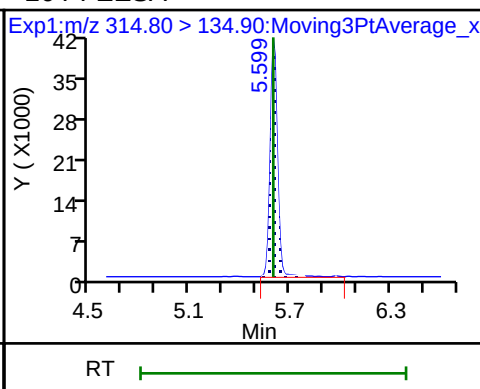
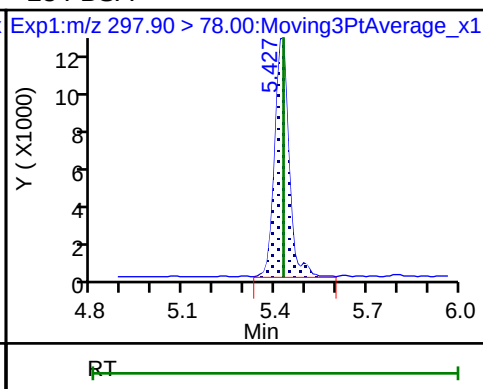
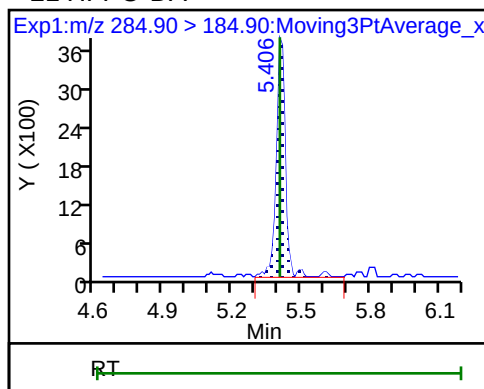
21 HFPO-DA



21 HFPO-DA

23 FBSA

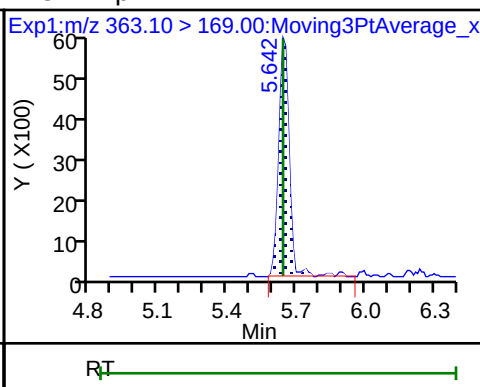
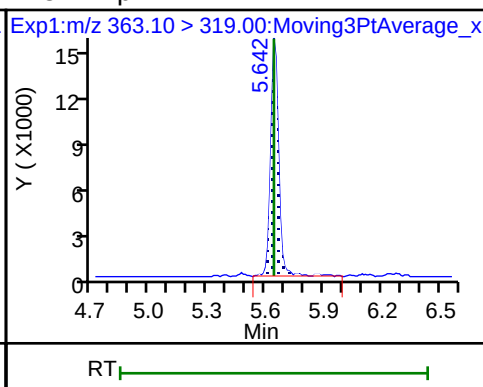
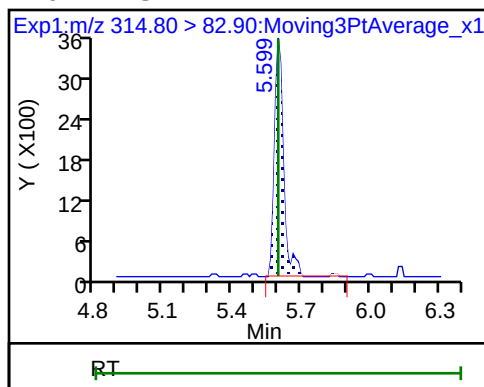
26 PFEESA



26 PFEESA

28 PFHpA

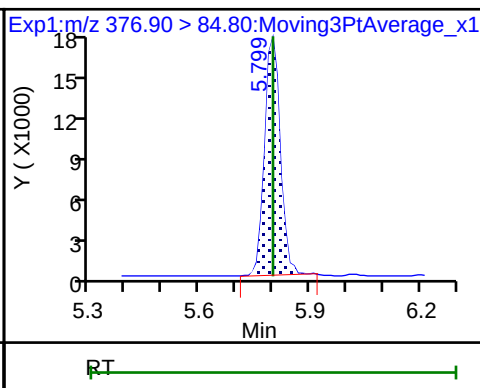
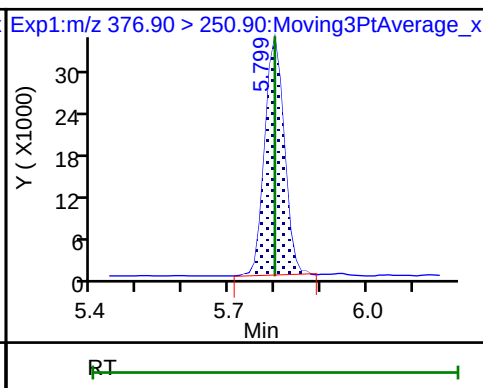
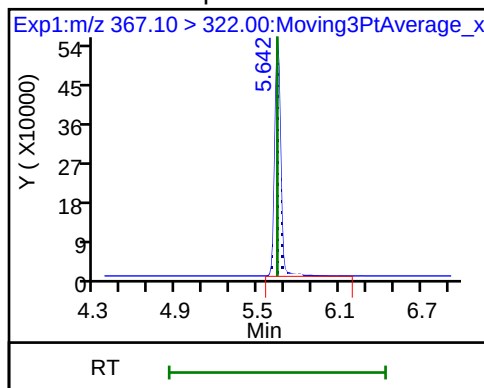
28 PFHpA

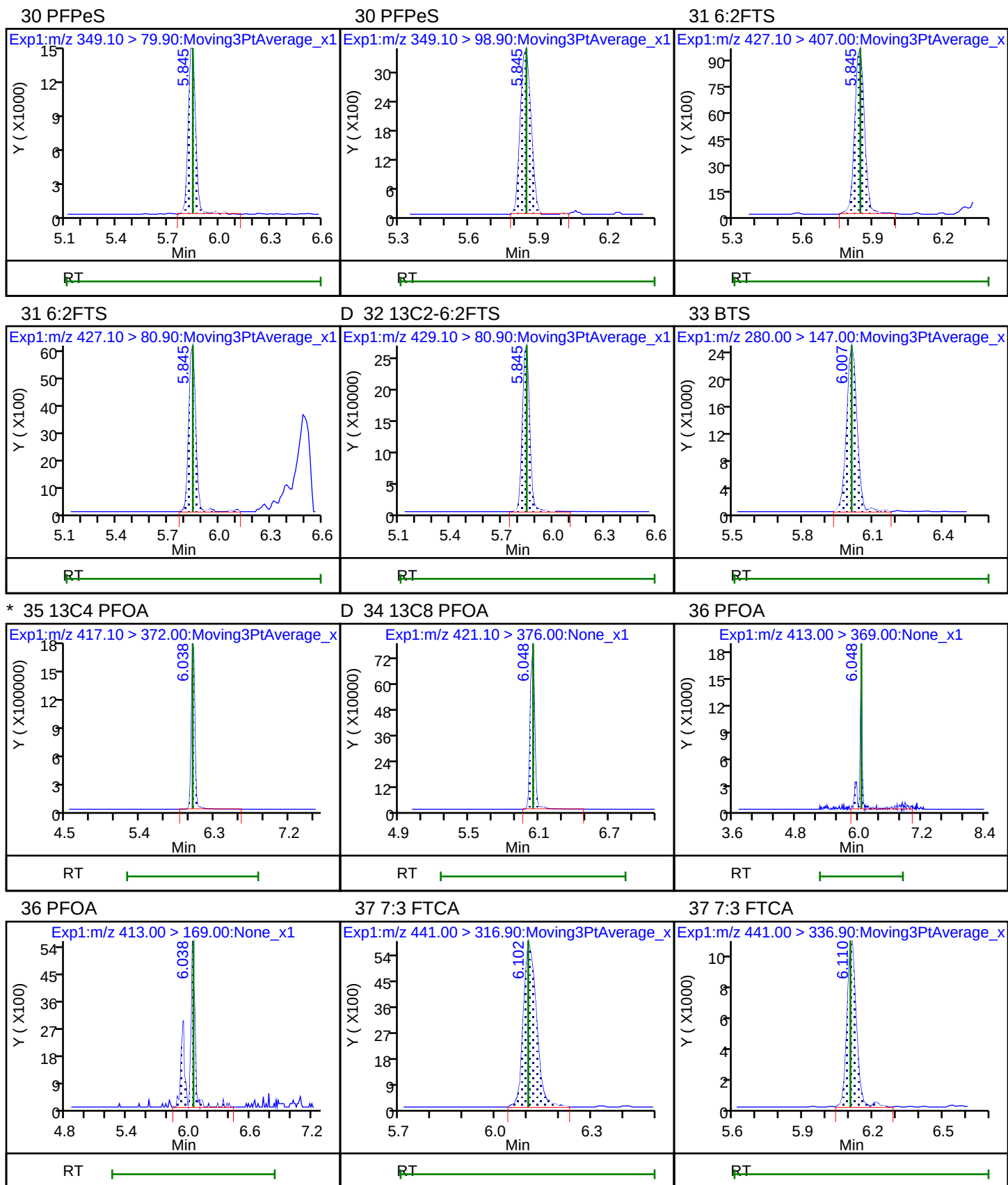


D 27 13C4 PFHpA

29 ADONA

29 ADONA

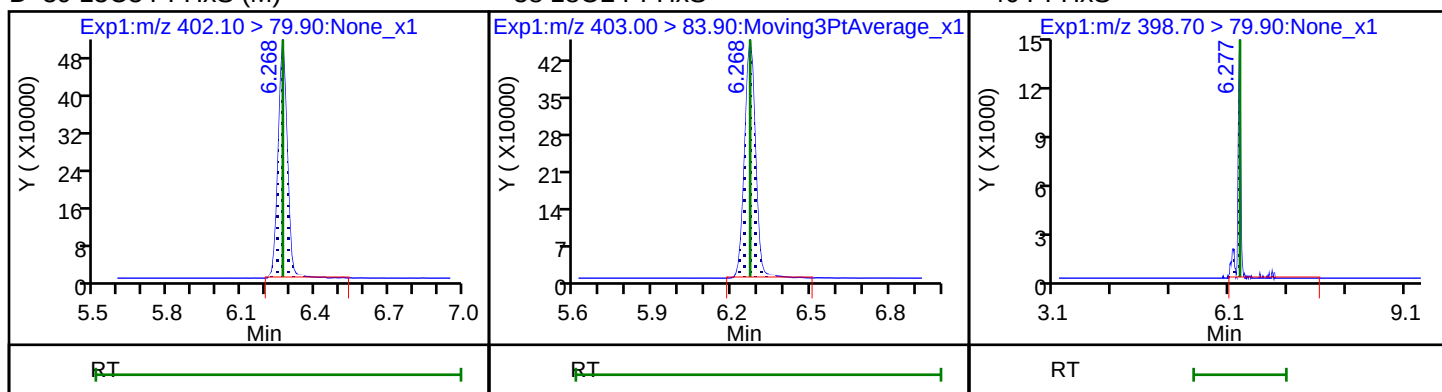




D 39 13C3 PFHxS (M)

* 38 18O2 PFHxS

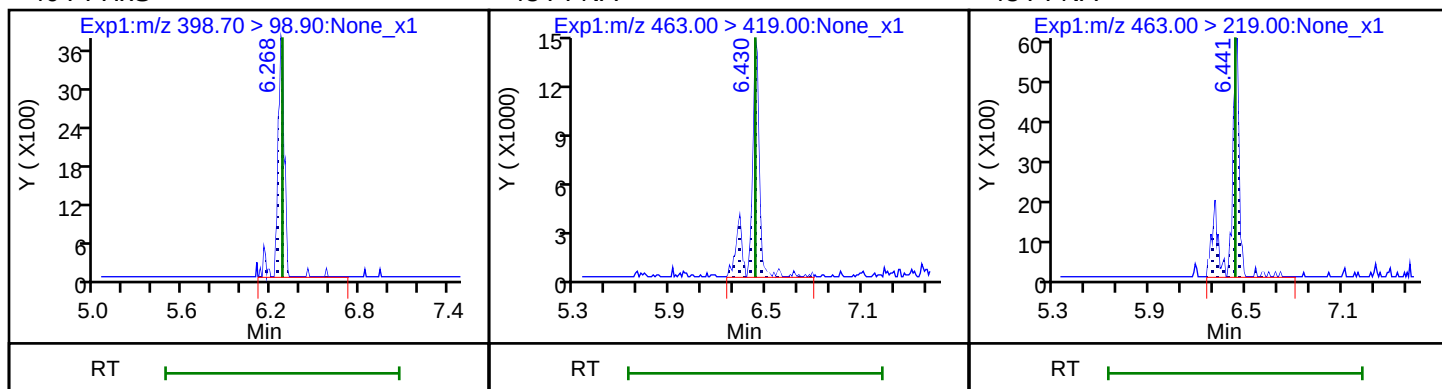
40 PFHxS



40 PFHxS

43 PFNA

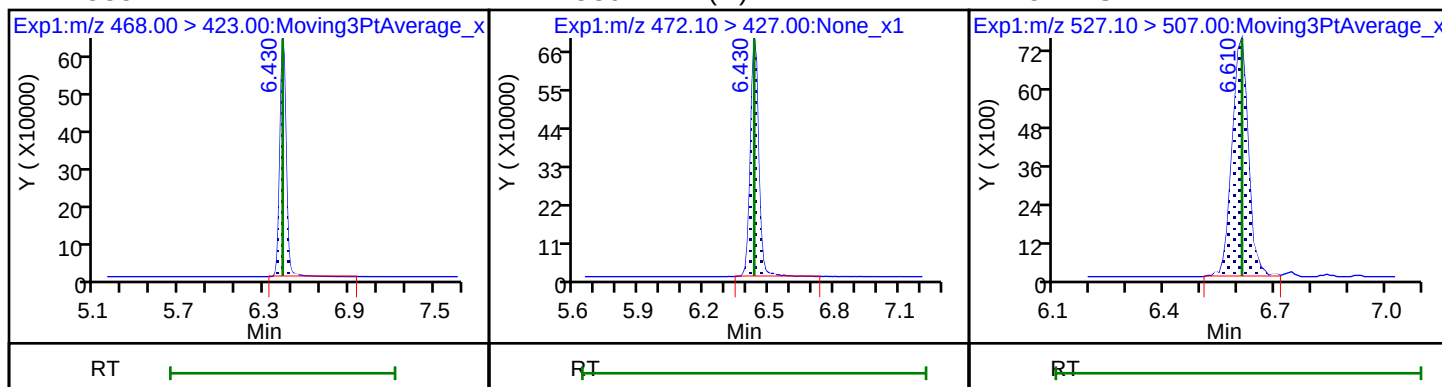
43 PFNA



* 41 13C5 PFNA

D 42 13C9 PFNA (M)

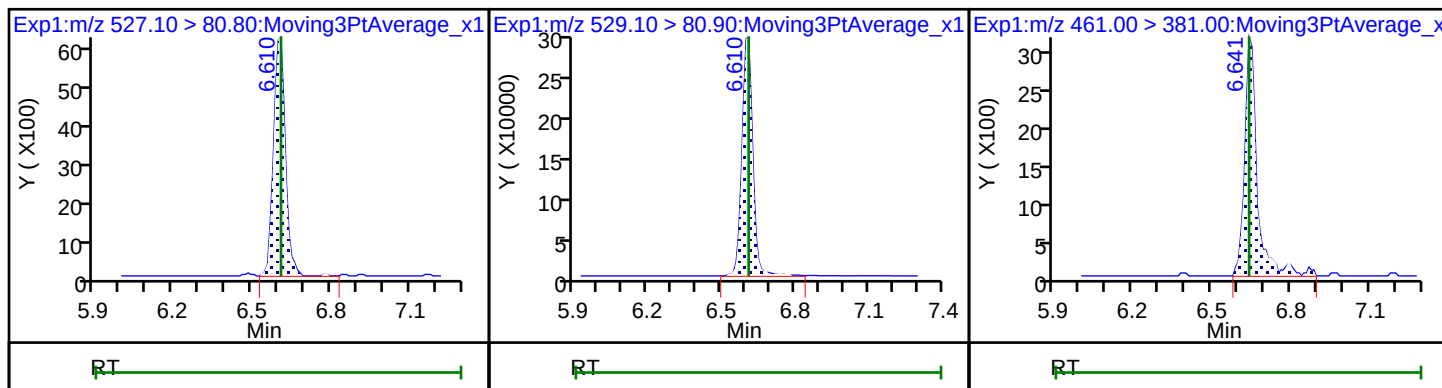
44 8:2FTS



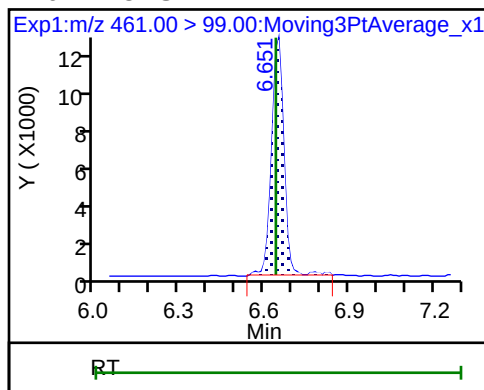
44 8:2FTS

D 45 13C2-8:2FTS

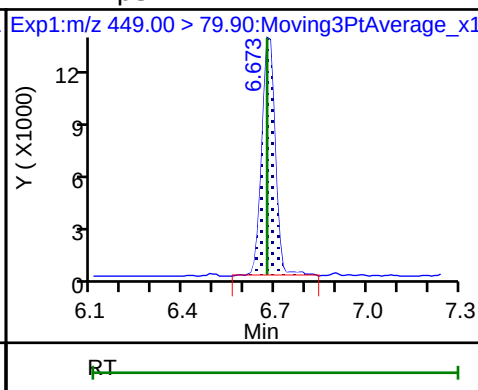
46 PFECHS



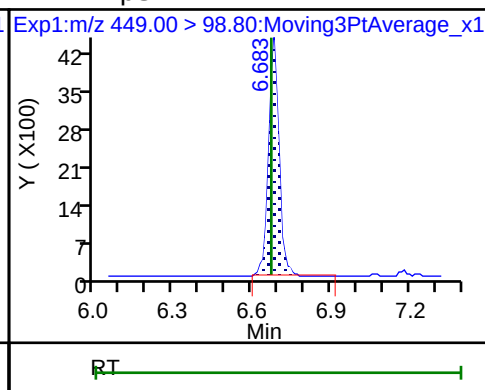
46 PFECHS



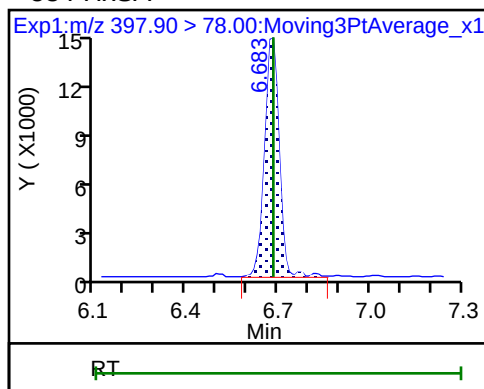
47 PFHpS



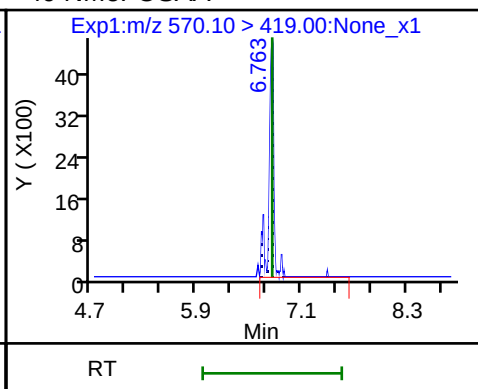
47 PFHpS



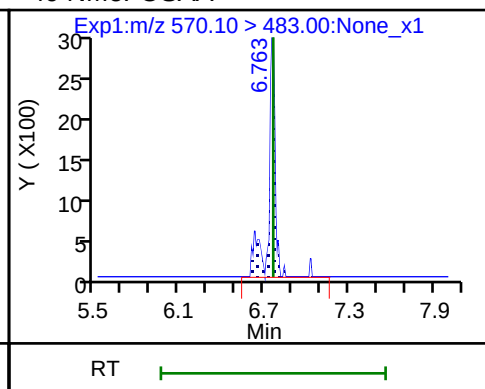
53 FHxSA



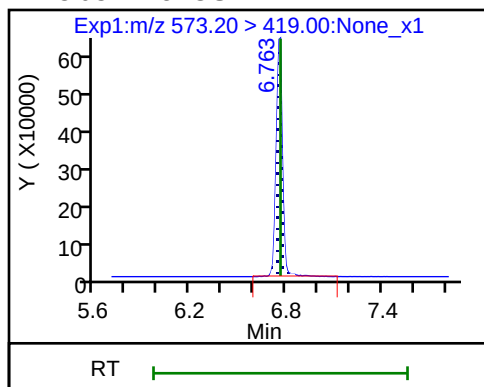
49 NMeFOSAA



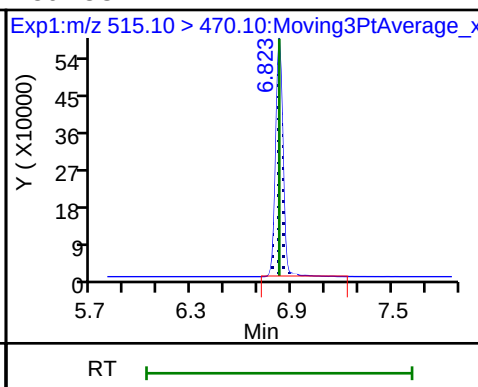
49 NMeFOSAA



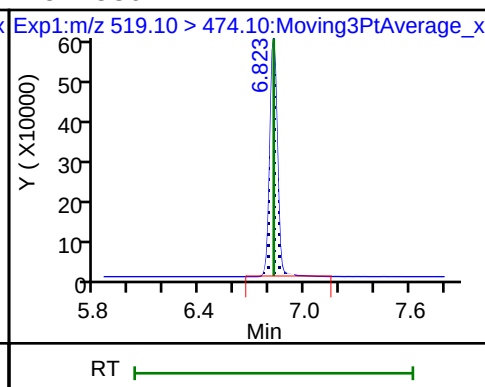
D 48 d3-NMeFOSAA



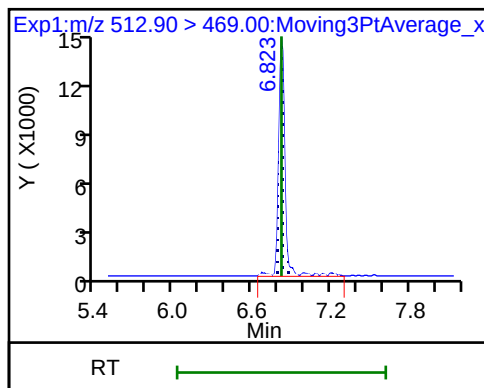
* 50 13C2 PFDA



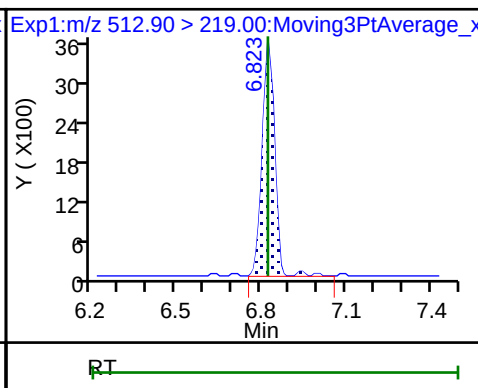
D 51 13C6 PFDA



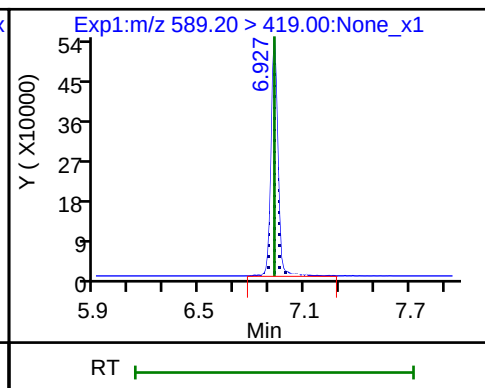
52 PFDA



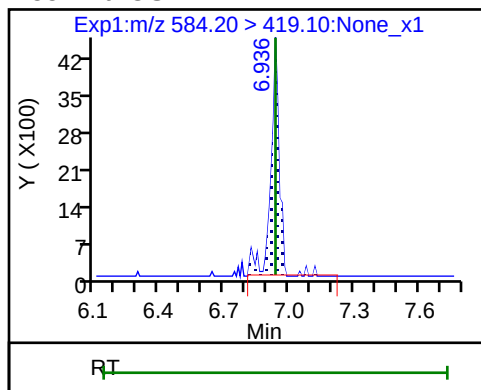
52 PFDA



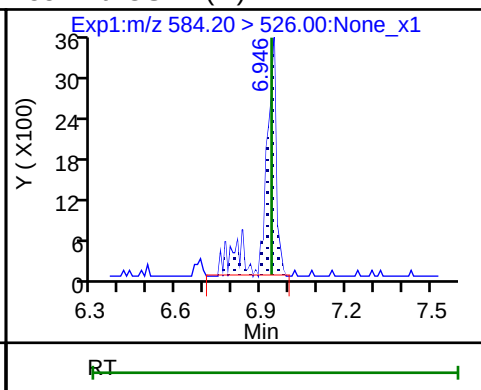
D 54 d5-NEtFOSAA



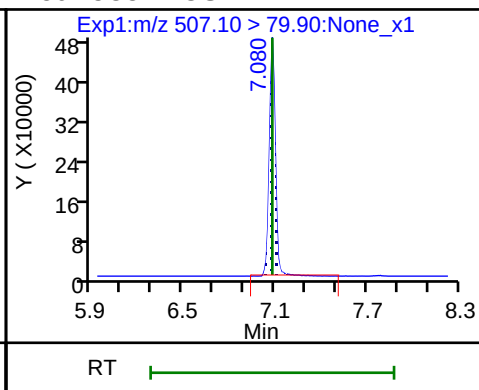
55 NEtFOSAA



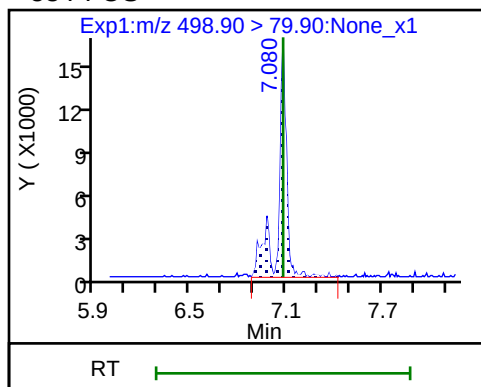
55 NEtFOSAA (M)



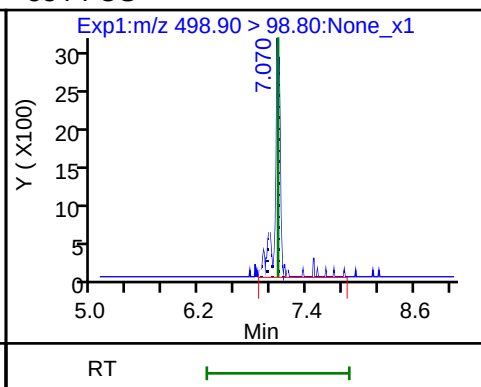
D 56 13C8 PFOS



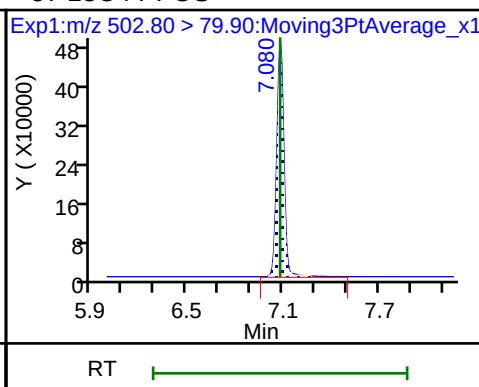
58 PFOS



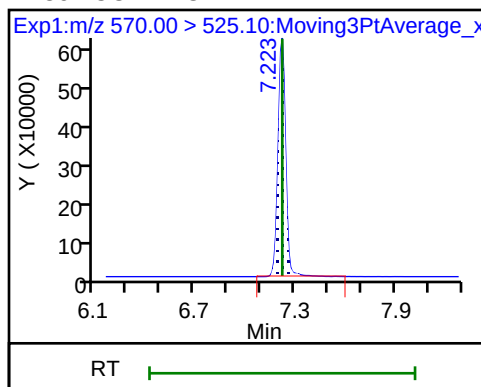
58 PFOS



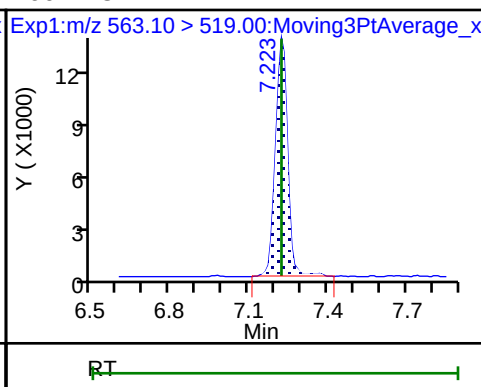
* 57 13C4 PFOS



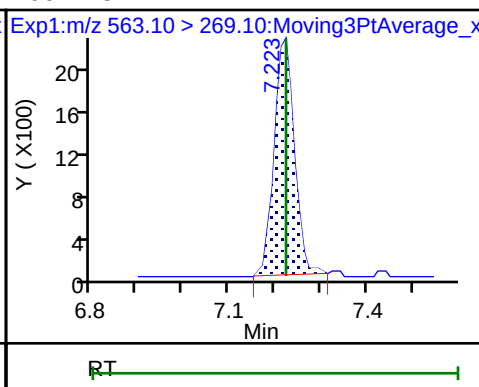
D 59 13C7 PFUnA



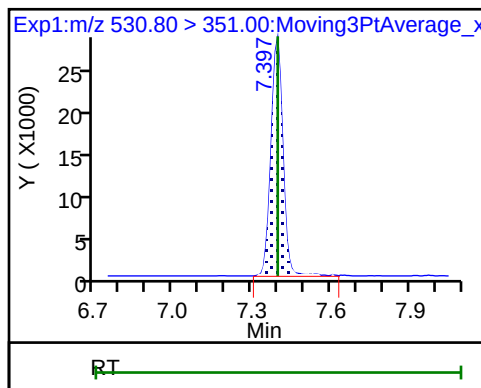
60 PFUnA



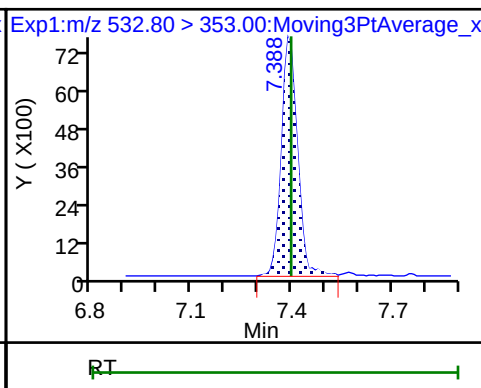
60 PFUnA



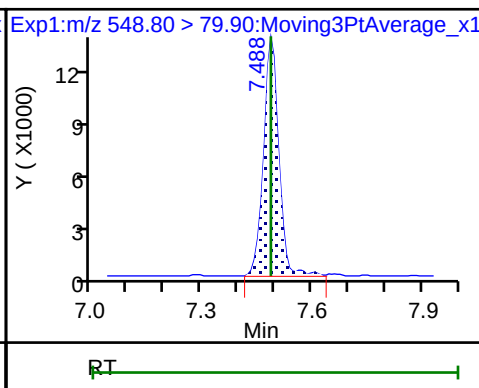
61 9ClFOS

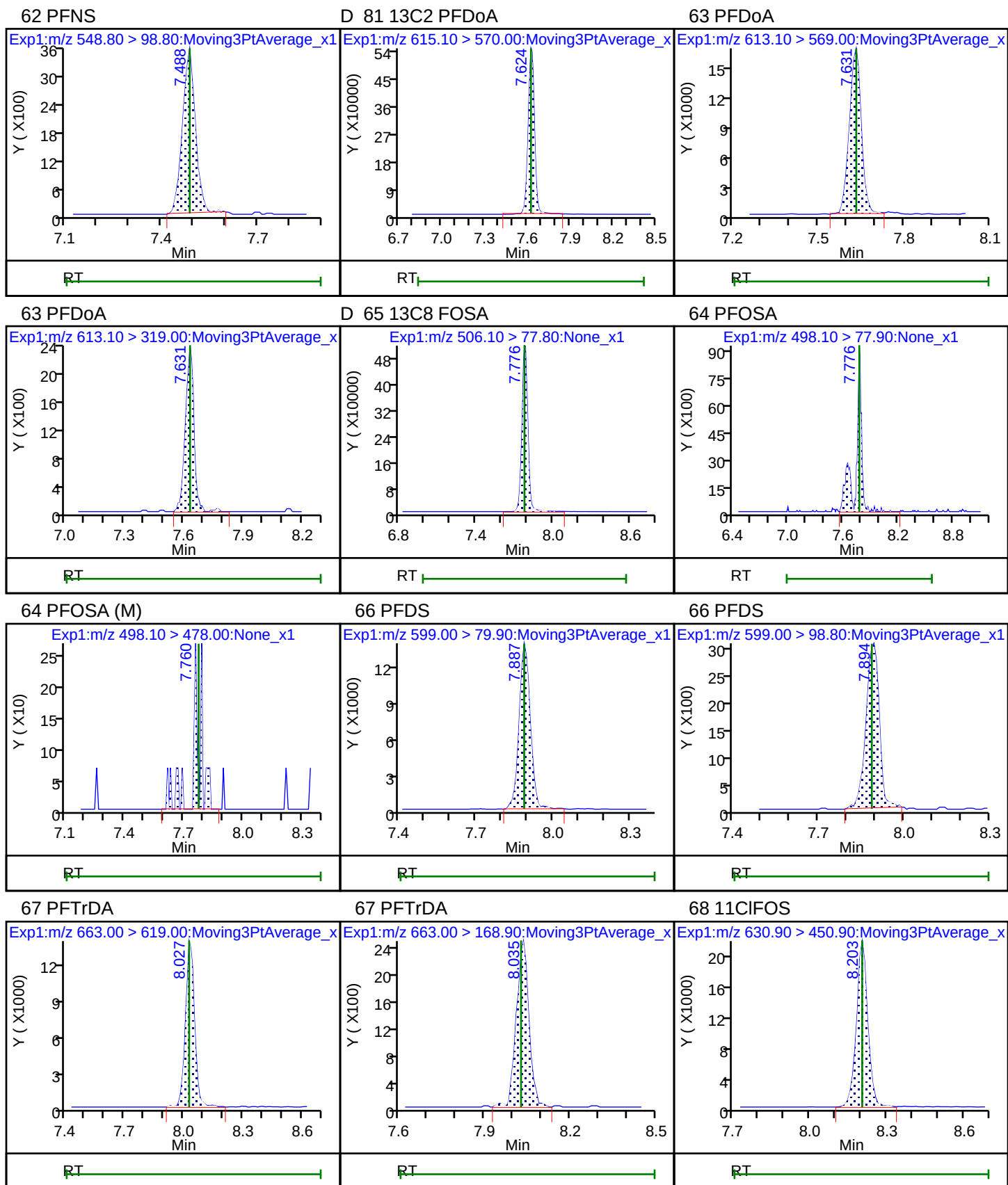


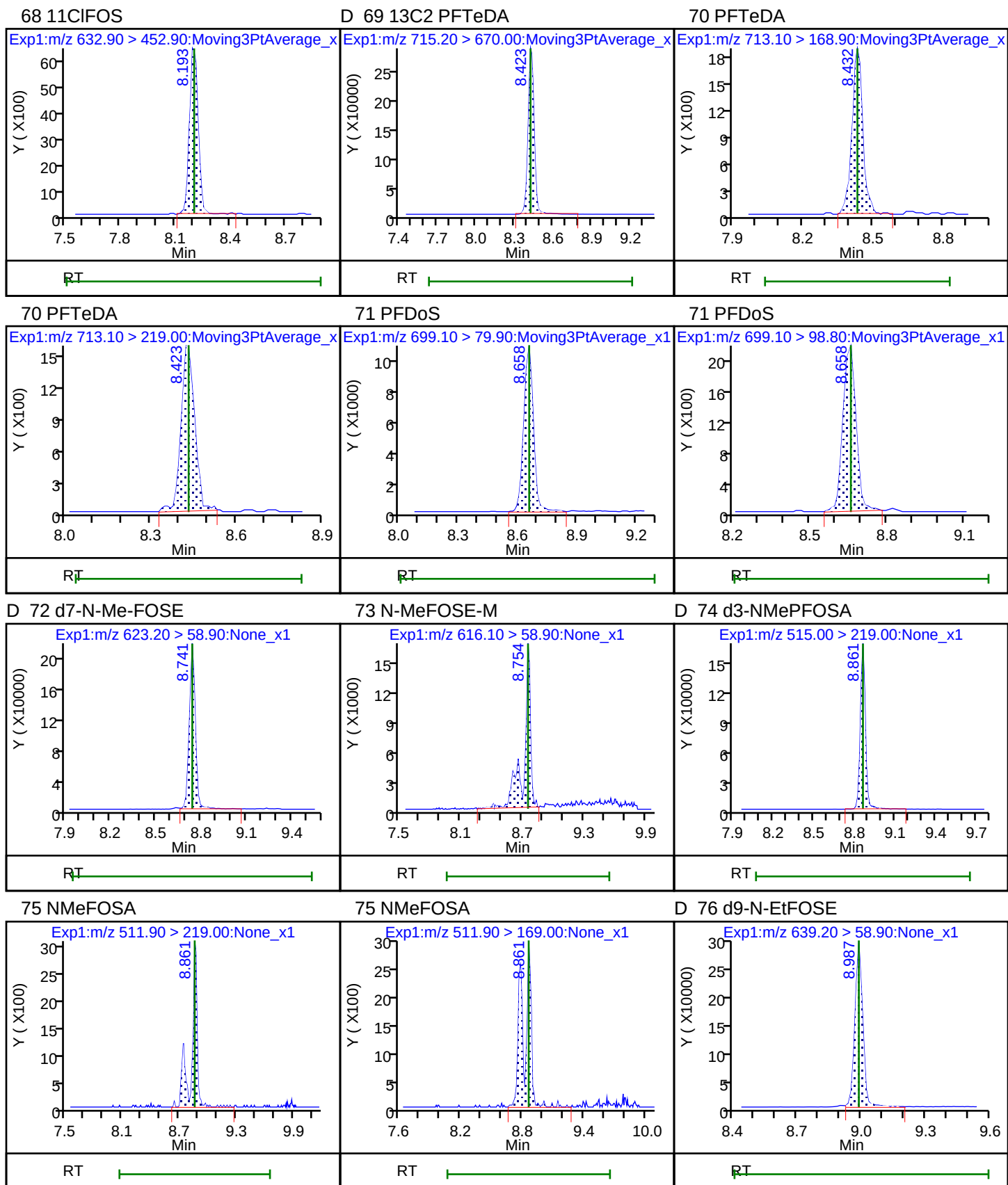
61 9ClFOS

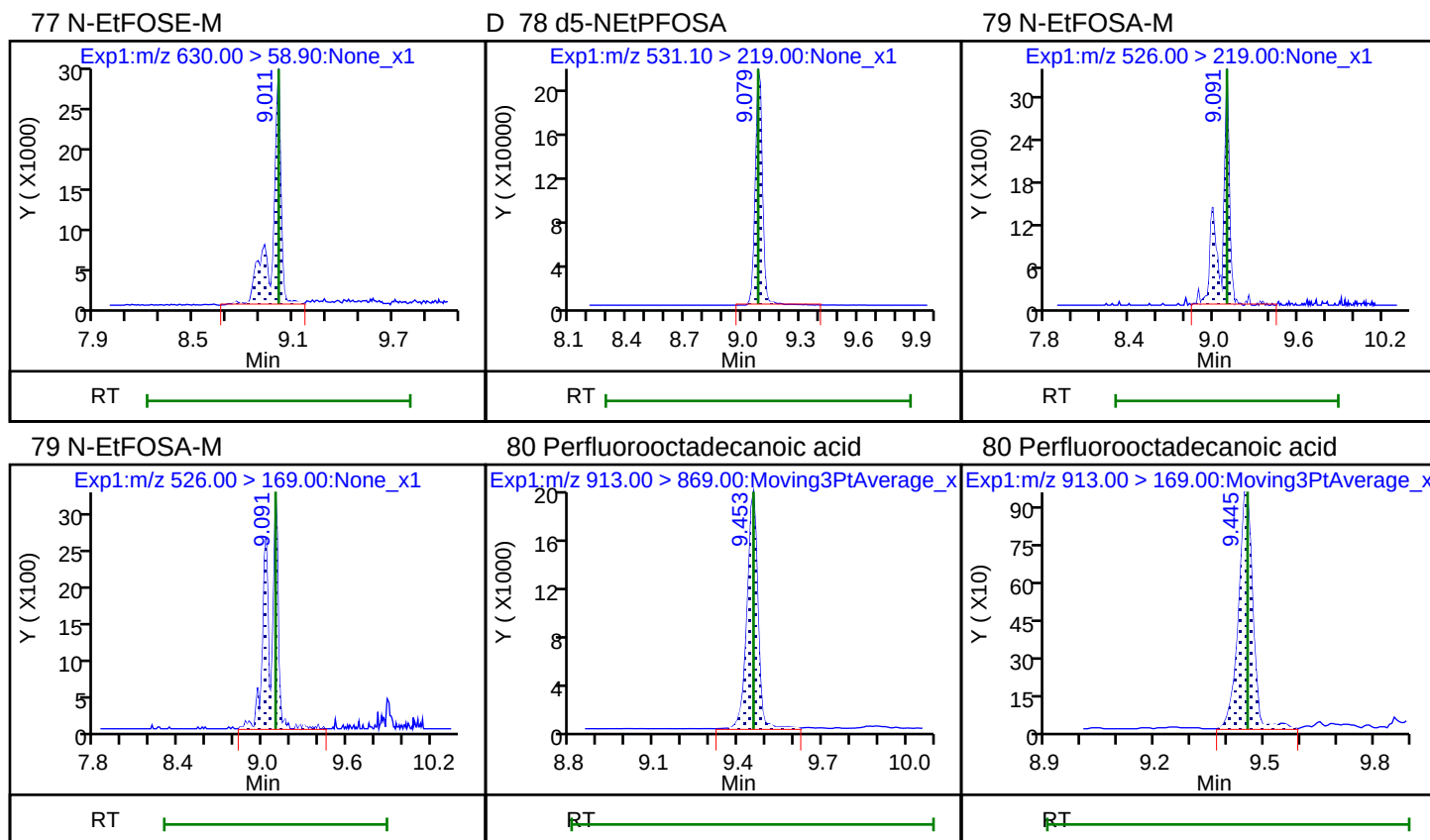


62 PFNS









FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.: _____

Lab Sample ID: CCV 410-737075/2

Calibration Date: 12/01/2025 10:55

Instrument ID: 30570

Calib Start Date: 11/29/2025 11:15

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 11/29/2025 12:50

Lab File ID: 25DEC01-02.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoropropionic acid (PFPrA)	AveID	0.9875	0.9750		4.94	5.00	-1.0	30.0
Perfluorobutanoic acid	AveID	0.9142	0.9186		2.01	2.00	0.0	30.0
Perfluoro-3-methoxypropanoic acid	AveID	1.295	1.246		0.962	1.00	-4.0	30.0
3-Perfluoropropylpropanoic acid (3:3 FTCA)	AveID	0.0611	0.0493		1.61	2.00	-19.0	30.0
Perfluoropentanoic acid	AveID	1.207	1.212		1.00	1.00	0.0	30.0
Perfluoro(4-methoxybutanoic acid)	AveID	1.723	1.652		0.959	1.00	-4.0	30.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	1.645	1.718		1.96	1.88	4.0	30.0
Perfluoro-3,6-dioxahexanoic acid	AveID	0.1758	0.1913		1.09	1.00	9.0	30.0
Perfluorohexanoic acid	AveID	0.9656	0.9282		0.961	1.00	-4.0	30.0
3-Perfluoropentylpropanoic acid (5:3 FTCA)	AveID	0.1310	0.1033		3.94	5.00	-21.0	30.0
Perfluorobutanesulfonic acid	AveID	1.226	1.195		0.866	0.888	-3.0	30.0
HFPO-DA	AveID	1.035	1.034		0.749	0.750	0.0	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	1.033	0.8215		0.795	1.00	-20.0	30.0
PFEESA	AveID	2.916	2.802		0.857	0.892	-4.0	30.0
Perfluoroheptanoic acid	AveID	0.9509	0.9581		1.01	1.00	1.0	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	3.296	3.113		0.893	0.946	-6.0	30.0
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	AveID	1.881	1.867		1.89	1.90	-1.0	30.0
Perfluoropentanesulfonic acid	AveID	1.255	1.293		0.969	0.940	3.0	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	2.278	2.224		0.956	0.979	-2.0	30.0
Perfluorooctanoic acid	L2ID		0.8287		1.02	1.00	2.0	30.0
7:3 FTCA	AveID	0.0692	0.0569		4.11	5.00	-18.0	30.0
Perfluorohexanesulfonic acid	L2ID		1.122		0.888	0.912	-3.0	30.0
Perfluorononanoic acid	AveID	0.9220	0.8811		0.956	1.00	-4.0	30.0
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	AveID	1.320	1.377		2.00	1.92	4.0	30.0
Perfluoro-4-ethylcyclohexane sulfonic acid (PFECHS)	AveID	0.3542	0.3532		0.922	0.924	0.0	30.0
Perfluoroheptanesulfonic acid	AveID	1.230	1.257		0.975	0.954	2.0	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	1.488	1.241		0.834	1.00	-17.0	30.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.9877	0.9915		1.00	1.00	0.0	30.0
Perfluorodecanoic acid	AveID	1.000	0.9697		0.970	1.00	-3.0	30.0
NEtFOSAA	AveID	0.7659	0.7852		1.03	1.00	3.0	30.0
Perfluorooctanesulfonic acid	AveID	1.535	1.526		0.925	0.930	-1.0	30.0
Perfluoroundecanoic acid	AveID	0.8783	0.8855		1.01	1.00	1.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Lab Sample ID: CCV 410-737075/2 Calibration Date: 12/01/2025 10:55

Instrument ID: 30570 Calib Start Date: 11/29/2025 11:15

GC Column: Gemini C18 50mm ID: 3.00 (mm) Calib End Date: 11/29/2025 12:50

Lab File ID: 25DEC01-02.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
9-Chlorohexadecafluoro-3-oxa nonane-1-sulfonic acid	AveID	2.755	2.810		0.953	0.934	2.0	30.0
Perfluorononanesulfonic acid	AveID	1.145	1.122		0.943	0.962	-2.0	30.0
Perfluorododecanoic acid	AveID	1.031	1.070		1.04	1.00	4.0	30.0
Perfluorooctanesulfonamide (PFOSA)	AveID	0.8957	0.8658		0.967	1.00	-3.0	30.0
Perfluorodecanesulfonic acid	AveID	1.228	1.239		0.973	0.964	1.0	30.0
Perfluorotridecanoic acid	AveID	1.409	1.301		0.923	1.00	-8.0	30.0
11-Chloroeicosafuoro-3-oxau ndecane-1-sulfonic acid	AveID	1.924	1.889		0.927	0.944	-2.0	30.0
Perfluorotetradecanoic acid	AveID	0.2913	0.2828		0.971	1.00	-3.0	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.9869	1.058		1.04	0.970	7.0	30.0
2- (N-methylperfluoro-1-octanes ulfonamido) ethanol	AveID	2.328	2.438		5.24	5.00	5.0	30.0
NMeFOSA	AveID	1.030	1.024		0.994	1.00	-1.0	30.0
2- (N-ethylperfluoro-1-octanesu lfonamido) ethanol	AveID	2.840	2.954		5.20	5.00	4.0	30.0
N-ethylperfluoro-1-octanesul fonamide	AveID	0.9256	0.8870		0.958	1.00	-4.0	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	2.284	2.261		0.990	1.00	-1.0	30.0
13C3 PFPrA	Ave	0.8545	0.7954		1.86	2.00	-7.0	30.0
13C4 PFBA	Ave	1.161	1.124		1.94	2.00	-3.0	30.0
13C5 PFPeA	Ave	0.8217	0.8003		1.95	2.00	-3.0	30.0
13C2 4:2 FTS	Ave	0.2688	0.2791		4.87	4.69	4.0	30.0
13C5 PFHxA	Ave	1.134	1.140		2.01	2.00	1.0	30.0
13C3 PFBS	Ave	1.385	1.422		1.91	1.86	3.0	30.0
13C3 HFPO-DA	Ave	0.7791	0.8002		2.05	2.00	3.0	30.0
13C4 PFHpA	Ave	0.9642	1.004		2.08	2.00	4.0	30.0
13C2 6:2 FTS	Ave	0.2032	0.2306		5.40	4.76	14.0	30.0
13C8 PFOA	Ave	1.033	0.9905		1.92	2.00	-4.0	30.0
13C3 PFHxS	Ave	1.017	1.015		1.89	1.90	0.0	30.0
13C9 PFNA	Ave	0.9623	0.9653		2.01	2.00	0.0	30.0
M2-8:2 FTS	Ave	0.2535	0.2648		5.01	4.80	4.0	30.0
d3-NMeFOSAA	Ave	0.3888	0.4215		5.42	5.00	8.0	30.0
13C6 PFDA	Ave	1.014	0.998		1.97	2.00	-2.0	30.0
d5-NEtFOSAA	Ave	0.3899	0.3623		4.65	5.00	-7.0	30.0
13C8 PFOS	Ave	0.8819	0.8378		1.82	1.92	-5.0	30.0
13C7 PFUnA	Ave	1.153	1.081		1.87	2.00	-6.0	30.0
13C2 PFDoA	Ave	0.9721	0.9507		1.96	2.00	-2.0	30.0
13C8 FOSA	Ave	1.146	1.017		1.77	2.00	-11.0	30.0
13C2 PFTeDA	Ave	0.4955	0.4842		1.95	2.00	-2.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Lab Sample ID: CCV 410-737075/2

Calibration Date: 12/01/2025 10:55

Instrument ID: 30570

Calib Start Date: 11/29/2025 11:15

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 11/29/2025 12:50

Lab File ID: 25DEC01-02.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d7-N-MeFOSE-M	Ave	0.1589	0.1429		4.50	5.00	-10.0	30.0
d3-NMePFOSA	Ave	0.2779	0.2600		1.87	2.00	-6.0	30.0
d9-N-EtFOSE-M	Ave	0.1837	0.1714		4.66	5.00	-7.0	30.0
d5-NEtPFOSA	Ave	0.3346	0.3267		1.95	2.00	-2.0	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\25DEC01-02.d
 Lims ID: CCV 2_CAL4
 Client ID:
 Sample Type: CCV
 Inject. Date: 01-Dec-2025 10:55:04 ALS Bottle#: 5 Worklist Smp#: 2
 Injection Vol: 7.0 ul Dil. Factor: 1.0000
 Sample Info: CAL4
 Misc. Info.: Plate: 1 Rack: 1
 Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570
 Sublist: chrom-30570-1633-125ml*sub7
 Method: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\30570-1633-125ml.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 02-Dec-2025 07:04:02 Calib Date: 29-Nov-2025 12:50:55
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-08.d

Column 1 : Det: EXP1
 Process Host: CTX1649

First Level Reviewer: VGQ7 Date: 02-Dec-2025 06:48:38

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	1.973	1.973	0.0	0.480	1164907	1.86		93.1	111325	
2 Perfluoropropionic acid										
163.00 > 119.00	1.984	1.985	-0.001	1.006	2839438	4.94		98.7	18285	
5 PFBA										
212.80 > 168.90	4.102	4.109	-0.007	0.998	1512747	2.01		100	17023	
D 3 13C4-PFBA										
216.80 > 171.90	4.109	4.109	0.0	1.000	1646778	1.94		96.8	4757	
* 4 13C3PFBA										
216.00 > 172.00	4.109	4.109	0.0		1464640	2.00			1459	
6 PFMPA										
229.00 > 84.90	4.414	4.424	-0.010	0.931	823697	0.9623		96.2	2800	
7 3:3 FTCA										
241.00 > 177.00	4.432	4.433	-0.001	0.934	65169	1.61	Target=1.35	80.6	702	
241.00 > 117.00	4.423	4.433	-0.010	0.932	50689		1.29(0.68-2.03)		378	
D 8 13C5 PFPeA										
268.30 > 223.00	4.744	4.755	-0.011	0.911	1322176	1.95		97.4	5407	
9 PFPA										
263.00 > 219.00	4.754	4.765	-0.011	1.002	801224	1.00		100	816	
10 PFMBA										
279.00 > 85.10	4.906	4.915	-0.009	1.034	1092298	0.9588		95.9	3447	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.026	5.036	-0.010	0.805	868055	4.87		104	3296	
11 4:2FTS										
327.10 > 307.00	5.026	5.036	-0.010	1.000	596626	1.96	Target=1.50	104	5526	
327.10 > 80.90	5.026	5.036	-0.010	1.000	364247		1.64(0.75-2.25)		2014	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.171	5.181	-0.010	0.993	180115	1.09	Target=1.60	109	1275	
295.00 > 84.90	5.171	5.181	-0.010	0.993	107516		1.68(0.80-2.41)		637	
* 16 13C2 PFHxA										
315.10 > 270.00	5.209	5.219	-0.010		4130018	5.00			7869	
D 15 13C5 PFHxA										
318.00 > 273.00	5.209	5.219	-0.010	1.000	1883193	2.01		101	8344	
17 PFHxA										
313.00 > 269.00	5.209	5.228	-0.019	1.000	874026	0.9613	Target=10.68	96.1	1591	
313.00 > 118.90	5.209	5.228	-0.019	1.000	77976		11.21(5.34-16.01)		602	
18 5:3 FTCA										
341.00 > 237.10	5.287	5.297	-0.010	1.015	486385	3.94	Target=0.91	78.9	2207	
341.00 > 217.00	5.287	5.297	-0.010	1.015	544424		0.89(0.46-1.37)		1633	
19 PFBS										
298.70 > 79.90	5.350	5.362	-0.012	1.000	1000981	0.8657	Target=2.86	97.5	1490	
298.70 > 98.80	5.350	5.362	-0.012	1.000	346857		2.89(1.43-4.30)		1377	
D 20 13C3 PFBS										
302.10 > 79.90	5.350	5.362	-0.012	0.857	1757644	1.91		103	7164	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.395	5.406	-0.011	1.036	1321892	2.05		103	5050	
21 HFPO-DA										
284.90 > 168.90	5.395	5.406	-0.011	1.000	512796	0.7494	Target=2.59	99.9	1725	
284.90 > 184.90	5.395	5.406	-0.011	1.000	200976		2.55(1.30-3.89)		913	
23 FBSA										
297.90 > 78.00	5.406	5.427	-0.021	1.010	774601	0.7953		79.5	2026	
26 PFEESA										
314.80 > 134.90	5.588	5.599	-0.011	1.073	2353721	0.8573	Target=12.75	96.1	5197	
314.80 > 82.90	5.588	5.599	-0.011	1.073	182829		12.87(6.37-19.12)		1580	
28 PFHpA										
363.10 > 319.00	5.631	5.642	-0.011	1.000	794940	1.01	Target=2.26	101	1353	
363.10 > 169.00	5.631	5.642	-0.011	1.000	350983		2.26(1.13-3.39)		1561	
D 27 13C4 PFHpA										
367.10 > 322.00	5.631	5.642	-0.011	1.081	1659425	2.08		104	5504	
29 ADONA										
376.90 > 250.90	5.776	5.799	-0.023	1.071	1946315	0.8934	Target=1.92	94.4	2877	
376.90 > 84.80	5.776	5.799	-0.023	1.071	1075461		1.81(0.96-2.88)		3968	
31 6:2FTS										
427.10 > 407.00	5.821	5.845	-0.024	1.000	543544	1.89	Target=1.68	99.3	144	
427.10 > 80.90	5.821	5.845	-0.024	1.000	311394		1.75(0.84-2.52)		132	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.821	5.845	-0.024	0.933	728024	5.40		114	2965	
30 PFPeS										
349.10 > 79.90	5.821	5.845	-0.024	0.933	818626	0.9690	Target=3.26	103	3083	
349.10 > 98.90	5.821	5.845	-0.024	0.933	234693		3.49(1.63-4.89)		1217	
33 BTS										
280.00 > 147.00	5.987	6.007	-0.020	0.959	1466194	0.9559		97.6	3160	
* 35 13C4 PFOA										
417.10 > 372.00	6.017	6.038	-0.021		5008648	5.00			29032	

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	6.017	6.048	-0.031	1.000	1984406	1.92		95.9	2408	
36 PFOA										
413.00 > 369.00	6.017	6.048	-0.031	1.000	822240	1.02	Target=2.08	102	963	
413.00 > 169.00	6.027	6.048	-0.021	1.002	381587		2.15(1.04-3.13)		727	
37 7:3 FTCA										
441.00 > 316.90	6.085	6.102	-0.017	1.168	267989	4.11	Target=0.45	82.3	1153	
441.00 > 336.90	6.085	6.102	-0.017	1.168	566469		0.47(0.23-0.68)		2625	
D 39 13C3 PFHxS										
402.10 > 79.90	6.241	6.268	-0.027	1.000	1276547	1.89		99.8	1896	
* 38 18O2 PFHxS										
403.00 > 83.90	6.241	6.268	-0.027		1257401	1.90			3125	
40 PFHxS										
398.70 > 79.90	6.241	6.277	-0.036	1.000	688988	0.8882	Target=3.32	97.4	1090	
398.70 > 98.90	6.250	6.277	-0.027	1.001	208955		3.30(1.66-4.97)		564	
D 42 13C9 PFNA										
472.10 > 427.00	6.409	6.430	-0.021	1.000	1855732	2.01		100	3428	
43 PFNA										
463.00 > 419.00	6.409	6.430	-0.021	1.000	817575	0.9557	Target=2.36	95.6	1375	
463.00 > 219.00	6.409	6.430	-0.021	1.000	338704		2.41(1.18-3.54)		606	
* 41 13C5 PFNA										
468.00 > 423.00	6.409	6.430	-0.021		1922530	2.00			7381	
44 8:2FTS										
527.10 > 507.00	6.578	6.610	-0.032	1.000	464303	2.00	Target=1.32	104	956	
527.10 > 80.80	6.578	6.610	-0.032	1.000	344087		1.35(0.66-1.99)		1694	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.578	6.610	-0.032	1.054	842798	5.01		104	2015	
46 PFECHS										
461.00 > 381.00	6.620	6.641	-0.021	1.061	219739	0.9215	Target=0.28	99.7	1176	
461.00 > 99.00	6.620	6.641	-0.021	1.061	762746		0.29(0.14-0.42)		2236	
47 PFHpS										
449.00 > 79.90	6.651	6.673	-0.022	0.944	784925	0.9749	Target=3.76	102	2146	
449.00 > 98.80	6.651	6.673	-0.022	0.944	223139		3.52(1.88-5.64)		1235	
53 FHxSA										
397.90 > 78.00	6.662	6.683	-0.021	1.067	835831	0.8343		83.4	2516	
49 NMeFOSAA										
570.10 > 419.00	6.735	6.763	-0.028	1.002	326559	1.00	Target=1.91	100	990	
570.10 > 483.00	6.735	6.763	-0.028	1.002	165073		1.98(0.96-2.87)		328	
D 48 d3-NMeFOSAA										
573.20 > 419.00	6.725	6.763	-0.038	0.954	1646842	5.42		108	1139	
* 50 13C2 PFDA										
515.10 > 470.10	6.798	6.823	-0.025		1753461	2.00			3034	
D 51 13C6 PFDA										
519.10 > 474.10	6.798	6.823	-0.025	1.000	1750533	1.97		98.4	10211	
52 PFDA										
512.90 > 469.00	6.798	6.823	-0.025	1.000	848746	0.9700	Target=4.25	97.0	1724	
512.90 > 219.00	6.798	6.823	-0.025	1.000	195251		4.35(2.12-6.37)		1035	

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	6.898	6.927	-0.029	0.979	1415434	4.65		92.9	1732	
55 NEtFOSAA										
584.20 > 419.10	6.908	6.936	-0.028	1.001	222283	1.03	Target=1.44	103	788	
584.20 > 526.00	6.908	6.936	-0.028	1.001	159351		1.39(0.72-2.15)		472	
D 56 13C8 PFOS										
507.10 > 79.90	7.049	7.080	-0.031	1.000	1254367	1.82		95.0	1447	
58 PFOS										
498.90 > 79.90	7.049	7.080	-0.031	1.000	929148	0.9248	Target=4.40	99.4	2015	
498.90 > 98.80	7.049	7.080	-0.031	1.000	215438		4.31(2.20-6.60)		631	
* 57 13C4 PFOS										
502.80 > 79.90	7.049	7.080	-0.031		1497145	1.92			8084	
D 59 13C7 PFUnA										
570.00 > 525.10	7.192	7.223	-0.031	1.058	1894785	1.87		93.7	2821	
60 PFUnA										
563.10 > 519.00	7.192	7.223	-0.031	1.000	838922	1.01	Target=6.12	101	2567	
563.10 > 269.10	7.192	7.223	-0.031	1.000	138037		6.08(3.06-9.18)		1691	
61 9ClFOS										
530.80 > 351.00	7.359	7.397	-0.038	1.044	1718151	0.9526	Target=3.14	102	6655	
532.80 > 353.00	7.359	7.397	-0.038	1.044	540102		3.18(1.57-4.71)		3278	
62 PFNS										
548.80 > 79.90	7.460	7.488	-0.028	1.058	706781	0.9428	Target=3.48	98.0	1548	
548.80 > 98.80	7.450	7.488	-0.038	1.057	208292		3.39(1.74-5.23)		1442	
D 81 13C2 PFDaA										
615.10 > 570.00	7.593	7.624	-0.031	1.117	1666974	1.96		97.8	2165	
63 PFDaA										
613.10 > 569.00	7.593	7.631	-0.038		891495	1.04	Target=6.22	104	2661	
613.10 > 319.00	7.593	7.631	-0.038		142085		6.27(3.11-9.33)		832	
D 65 13C8 FOSA										
506.10 > 77.80	7.759	7.776	-0.017	1.101	1589369	1.77		88.7	2219	
64 PFOSA										
498.10 > 77.90	7.759	7.776	-0.017	1.000	688017	0.9665	Target=53.04	96.7	1771	
498.10 > 478.00	7.759	7.776	-0.017	1.000	13856		49.65(26.52-79.56)		35.8	
66 PFDS										
599.00 > 79.90	7.854	7.887	-0.033	1.114	782057	0.9730	Target=3.66	101	2524	
599.00 > 98.80	7.854	7.887	-0.033	1.114	213799		3.66(1.83-5.49)		2620	
67 PFTTrDA										
663.00 > 619.00	8.001	8.027	-0.026	0.953	818320	0.9233	Target=5.85	92.3	3411	
663.00 > 168.90	8.001	8.027	-0.026	0.953	147466		5.55(2.93-8.78)		766	
68 11ClFOS										
630.90 > 450.90	8.174	8.203	-0.029	1.160	1167188	0.9269	Target=3.12	98.2	1777	
632.90 > 452.90	8.174	8.203	-0.029	1.160	383839		3.04(1.56-4.68)		1201	
D 69 13C2 PFTeDA										
715.20 > 670.00	8.396	8.423	-0.027	1.235	849003	1.95		97.7	7036	
70 PFTeDA										
713.10 > 168.90	8.396	8.432	-0.036	1.000	120046	0.9707	Target=1.15	97.1	1275	
713.10 > 219.00	8.396	8.432	-0.036	1.000	99509		1.21(0.58-1.73)		852	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
71 PFDoS										
699.10 > 79.90	8.616	8.658	-0.042	1.222	671950	1.04	Target=4.11	107	2409	
699.10 > 98.80	8.616	8.658	-0.042	1.222	167505		4.01(2.05-6.16)		1018	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.741	8.741	0.0	1.240	558452	4.50		90.0	412	
73 N-MeFOSE-M										
616.10 > 58.90	8.754	8.754	0.0	1.002	1361292	5.24		105	728	
D 74 d3-NMePFOSA										
515.00 > 219.00	8.861	8.861	0.0	1.257	406395	1.87		93.6	1060	
75 NMeFOSA										
511.90 > 219.00	8.861	8.861	0.0	1.000	208153	0.99	Target=0.69	99.4	1016	
511.90 > 169.00	8.861	8.861	0.0	1.000	306118		0.68(0.35-1.04)		852	
D 76 d9-N-EtFOSE										
639.20 > 58.90	8.987	8.987	0.0	1.275	669556	4.66		93.3	392	
77 N-EtFOSE-M										
630.00 > 58.90	8.999	9.011	-0.012	1.001	1977663	5.20		104	8480	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.079	9.079	0.0	1.288	510581	1.95		97.6	1164	
79 N-EtFOSA-M										
526.00 > 219.00	9.091	9.091	0.0	1.001	226437	0.9582	Target=0.81	95.8	1162	
526.00 > 169.00	9.091	9.091	0.0	1.001	277054		0.82(0.41-1.22)		679	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.397	9.453	-0.056	1.119	959923	0.99	Target=18.31	99.0	4800	
913.00 > 169.00	9.387	9.453	-0.066	1.118	51320		18.70(9.15-27.46)		1073	

QC Flag Legend

Processing Flags

Reagents:

1633_125_CAL4_00069

Amount Added: 1.00

Units: mL

Data File: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\25DEC01-02.d

Injection Date: 01-Dec-2025 10:55:04

Instrument ID: 30570

Lims ID: CCV 2_CAL4

Client ID:

Operator ID: ETUS023_USR_INS00003

ALS Bottle#: 5

Worklist Smp#: 2

Injection Vol: 7.0 ul

Dil. Factor: 1.0000

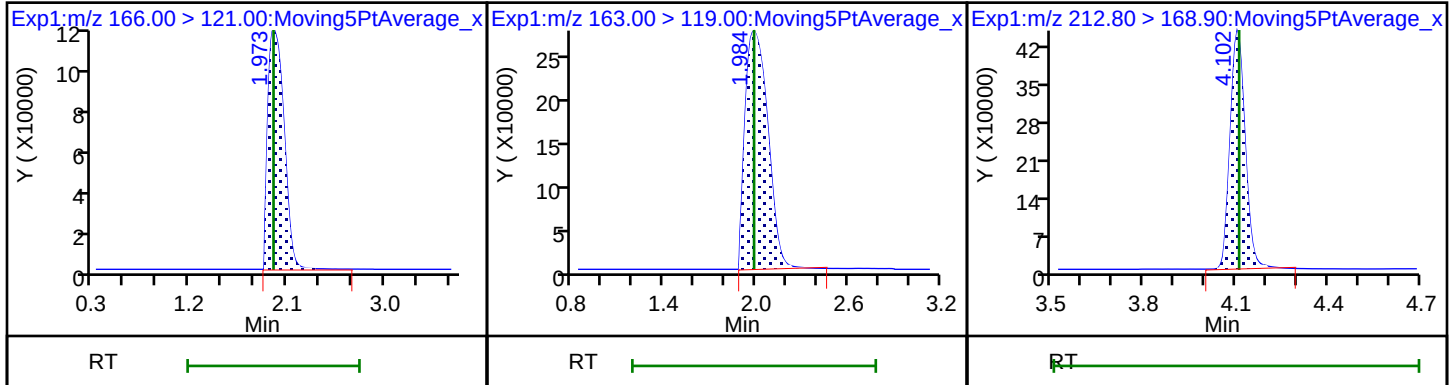
Method: 30570-1633-125ml

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid

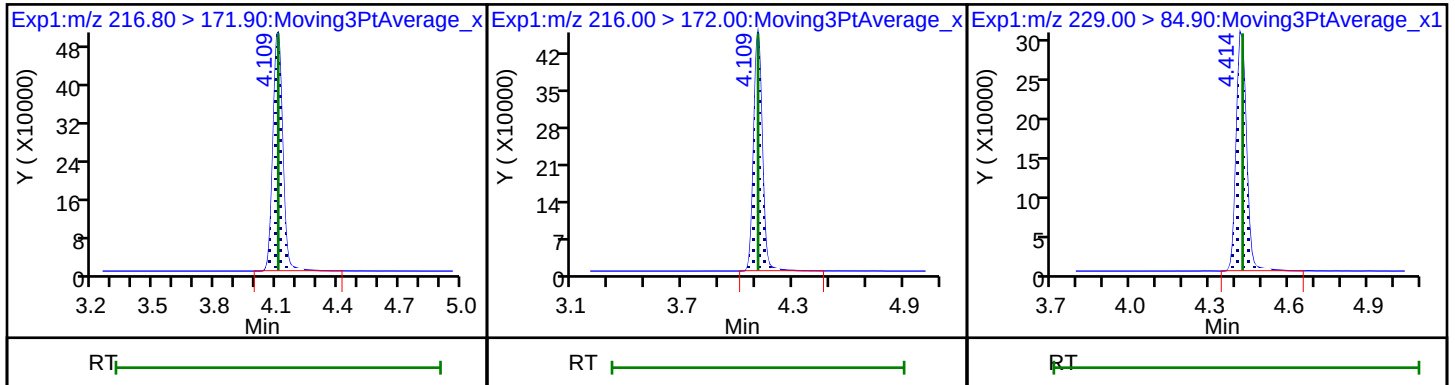
5 PFBA



D 3 13C4-PFBA

* 4 13C3PFBA

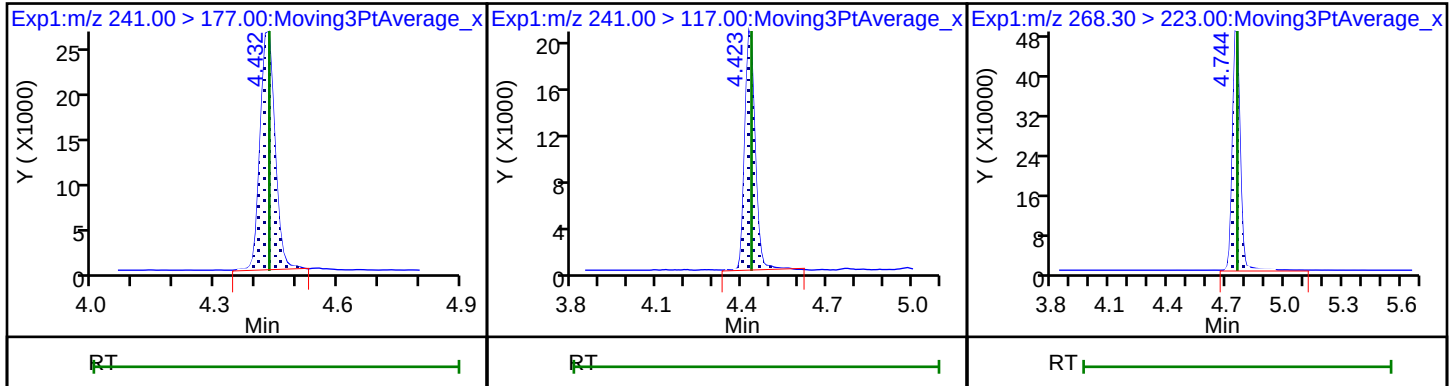
6 PFMPA



7 3:3 FTCA

7 3:3 FTCA

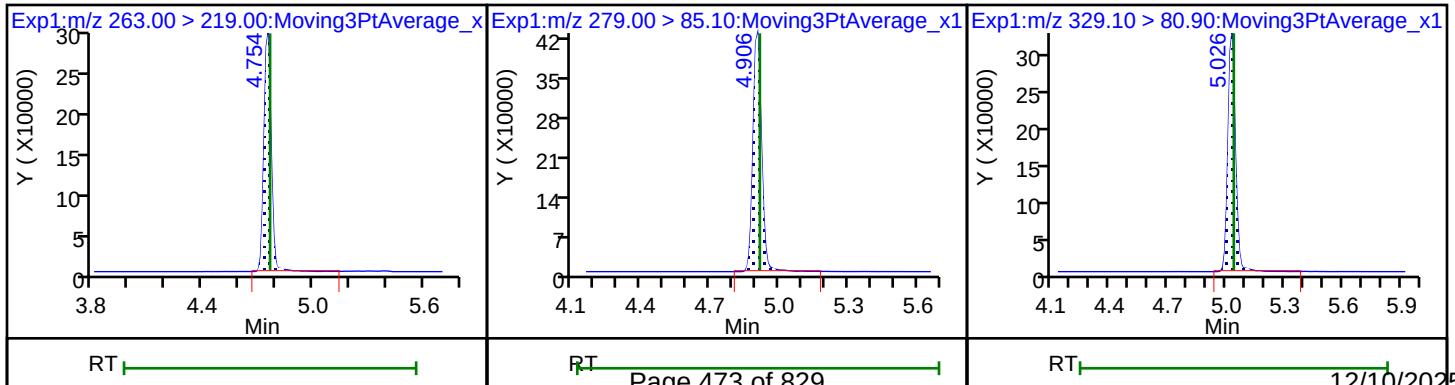
D 8 13C5 PFPeA

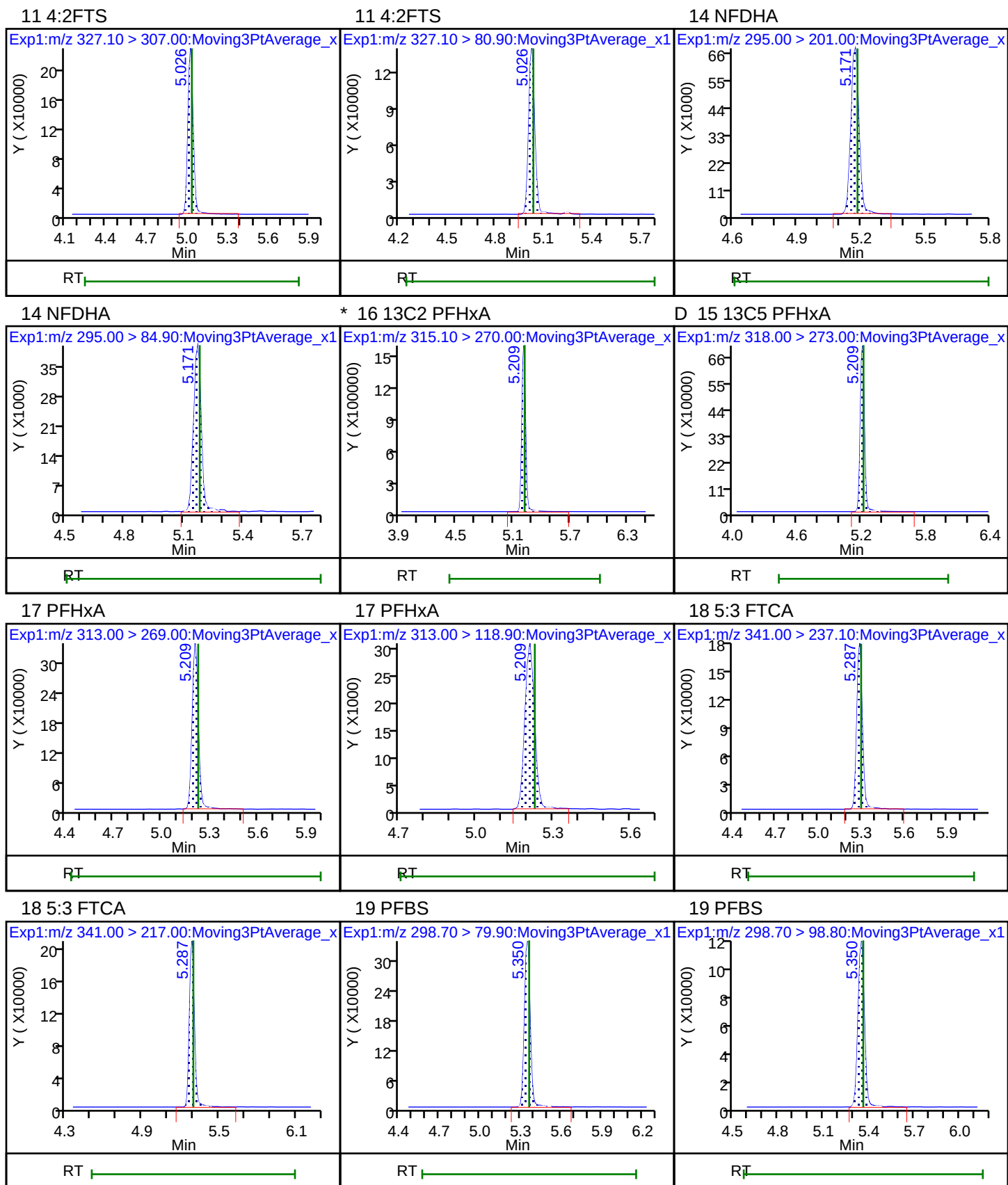


9 PFPA

10 PFMB A

D 13 13C2-4:2F TS

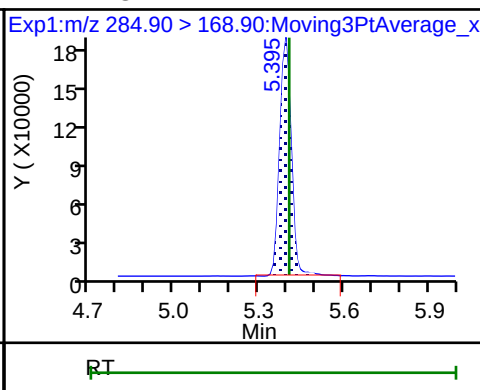
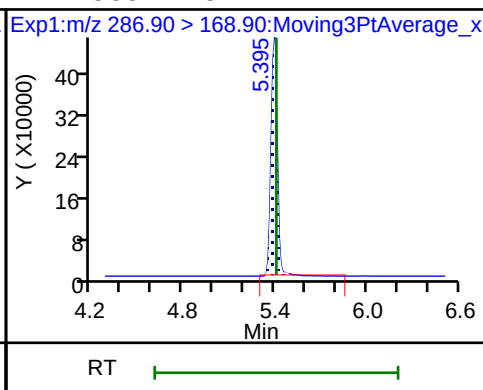
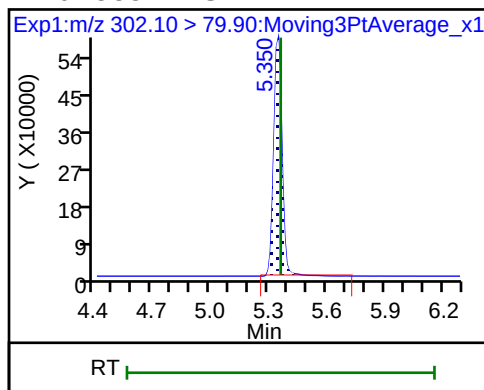




D 20 13C3 PFBS

D 22 13C3 HFPO-DA

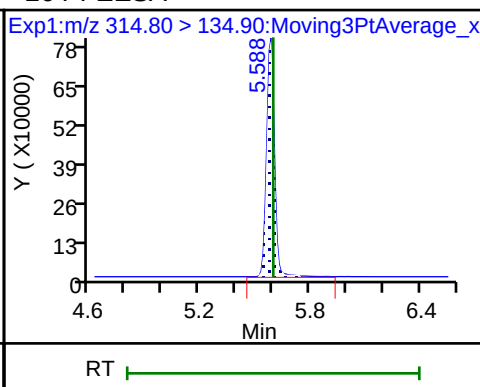
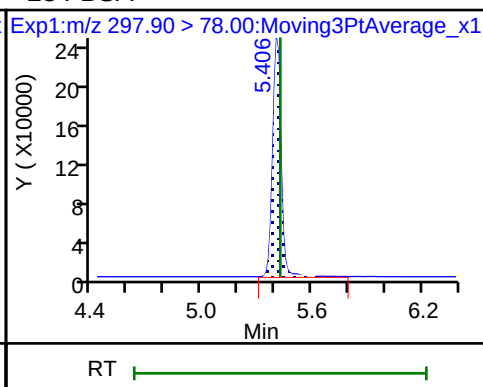
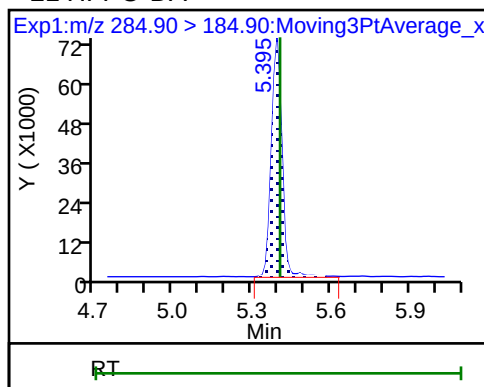
21 HFPO-DA



21 HFPO-DA

23 FBSA

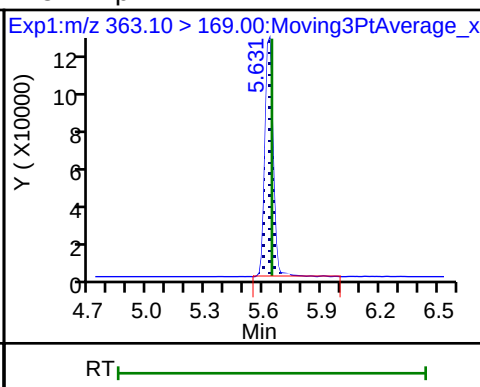
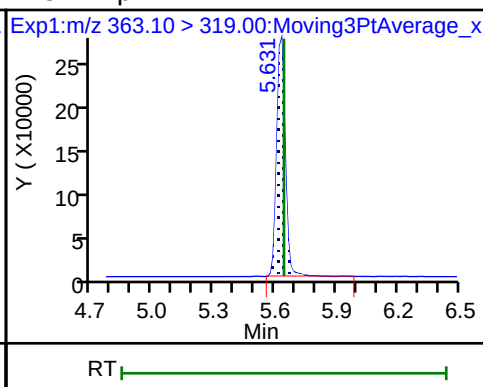
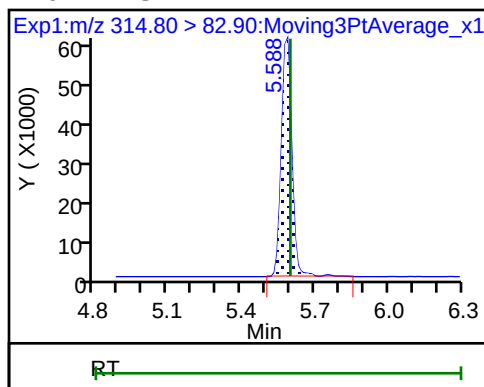
26 PFEESA



26 PFEESA

28 PFHpA

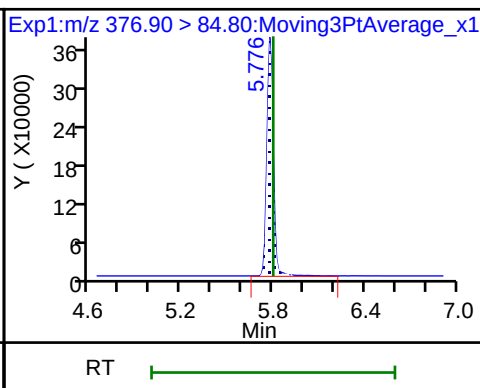
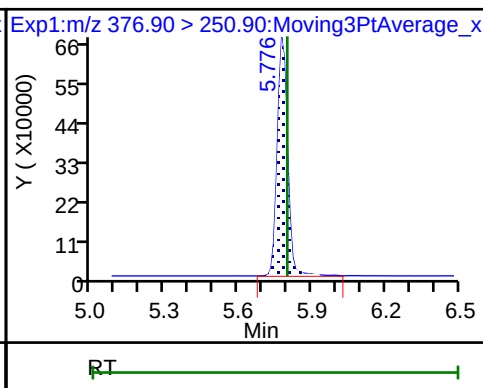
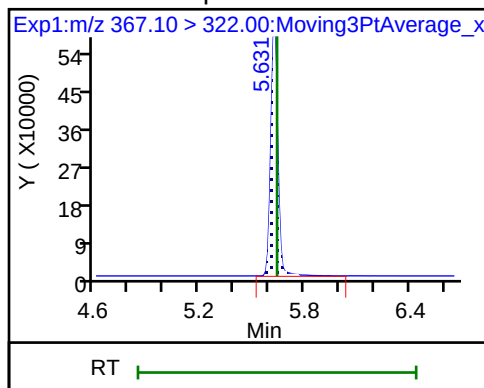
28 PFHpA

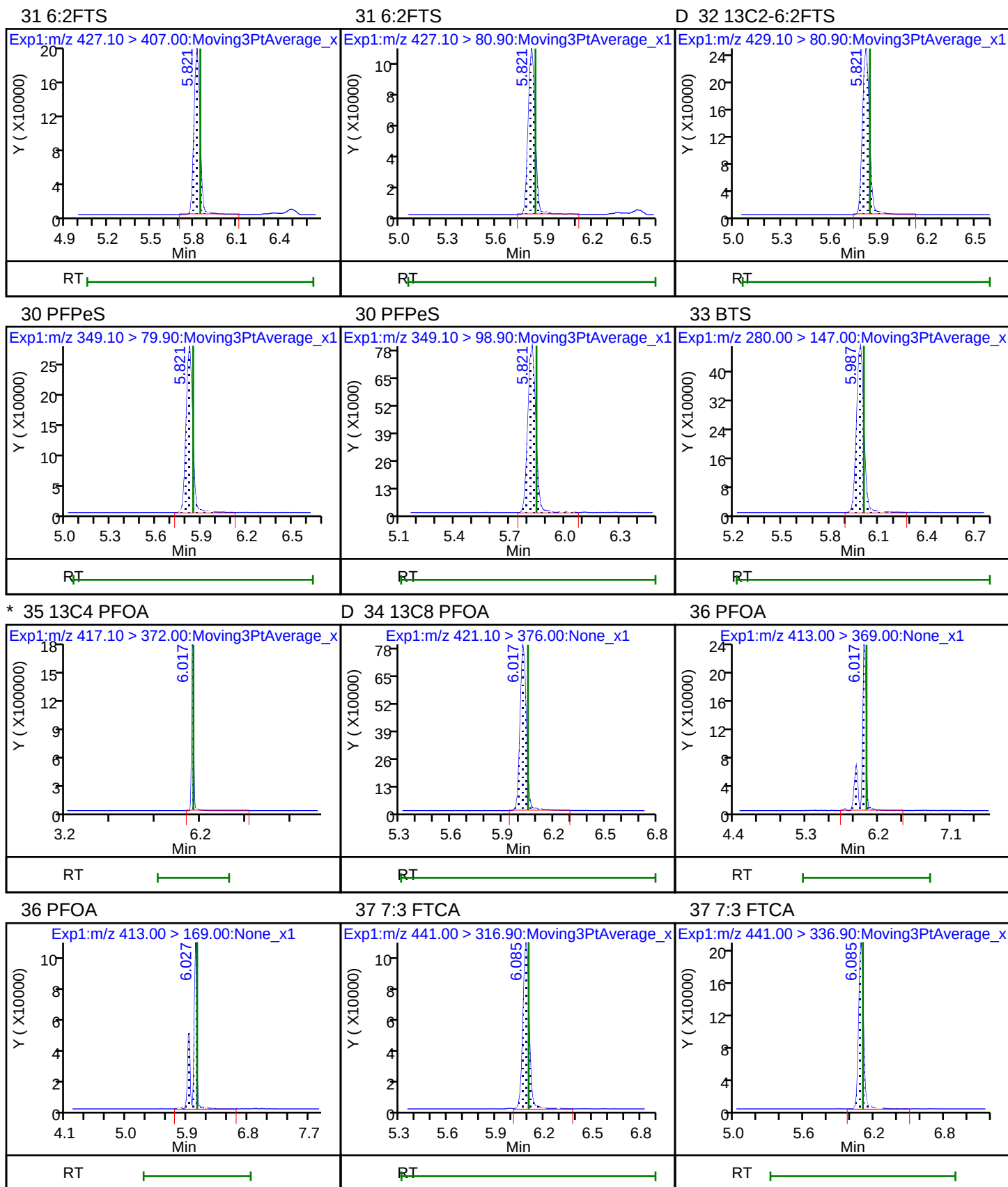


D 27 13C4 PFHpA

29 ADONA

29 ADONA

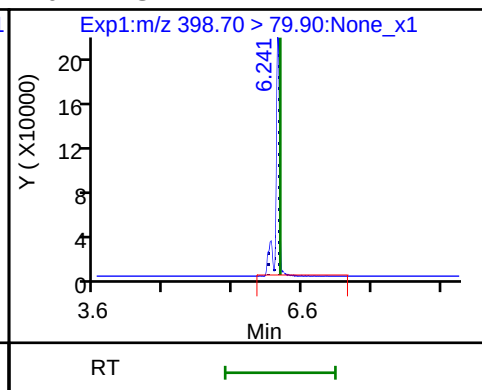
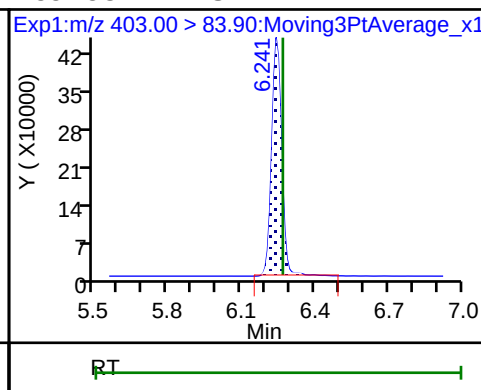
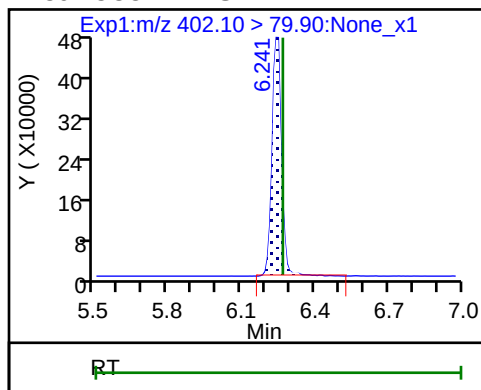




D 39 13C3 PFHxS

* 38 18O2 PFHxS

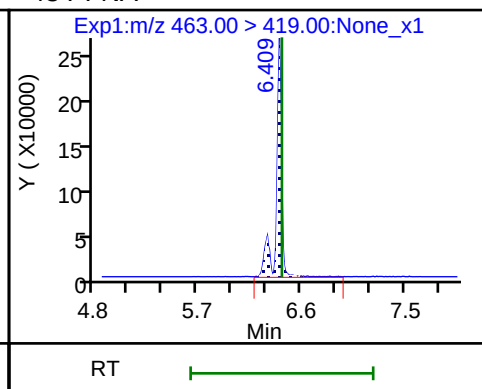
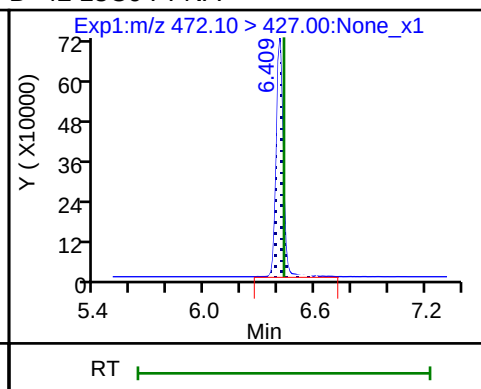
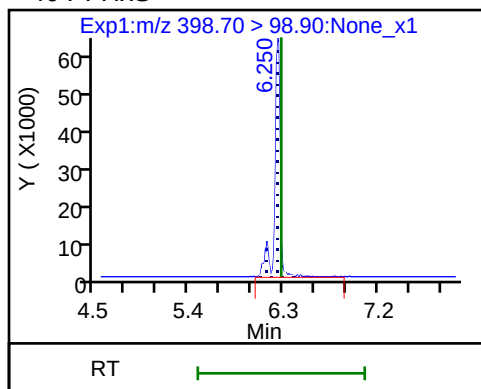
40 PFHxS



40 PFHxS

D 42 13C9 PFNA

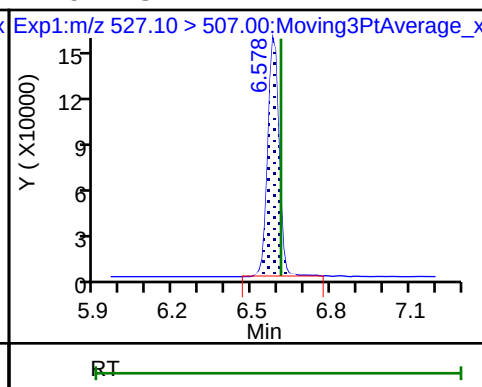
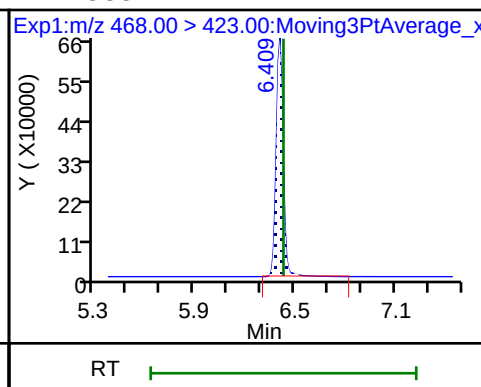
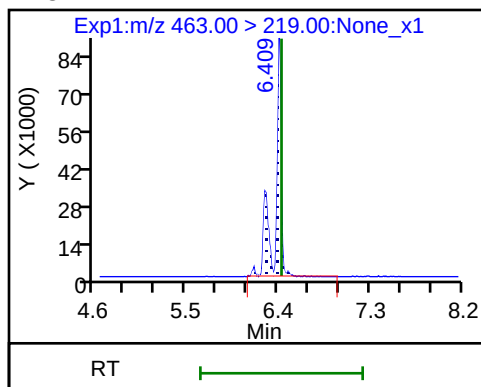
43 PFNA



43 PFNA

* 41 13C5 PFNA

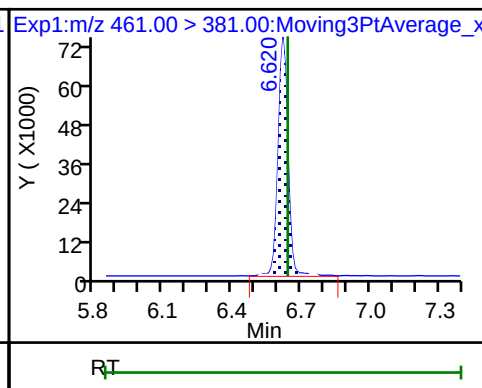
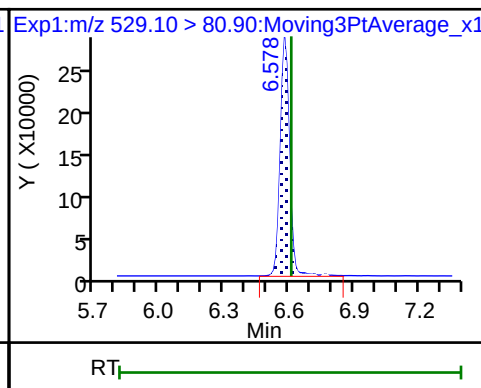
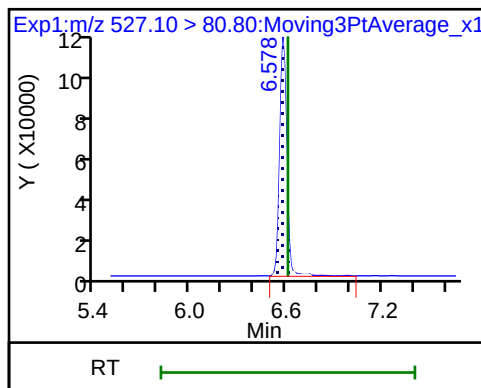
44 8:2FTS



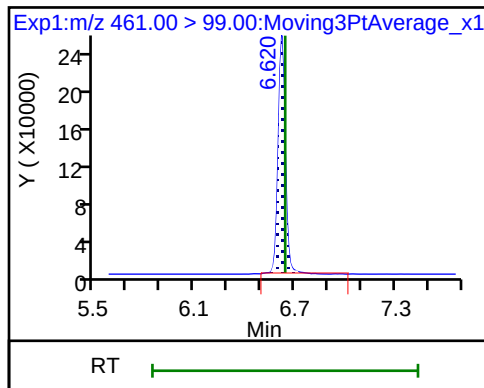
44 8:2FTS

D 45 13C2-8:2FTS

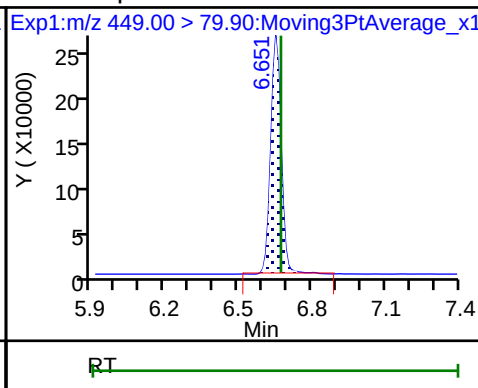
46 PFECHS



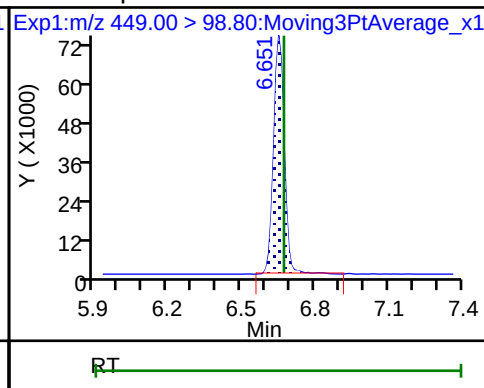
46 PFECHS



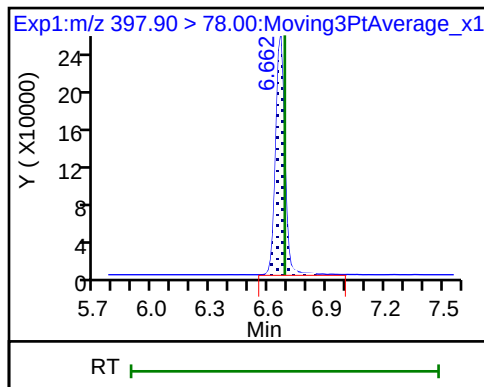
47 PFHpS



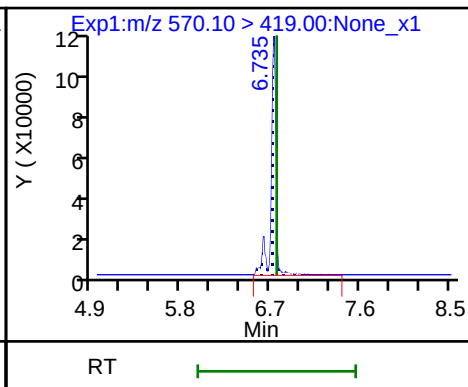
47 PFHpS



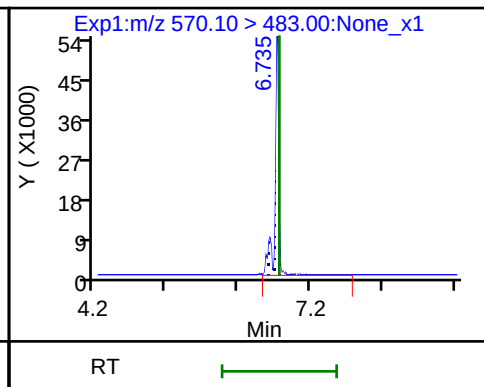
53 FHxSA



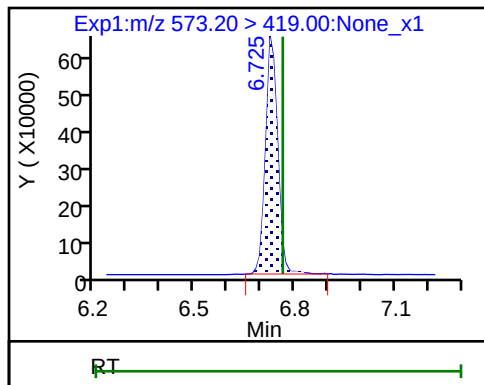
49 NMeFOSAA



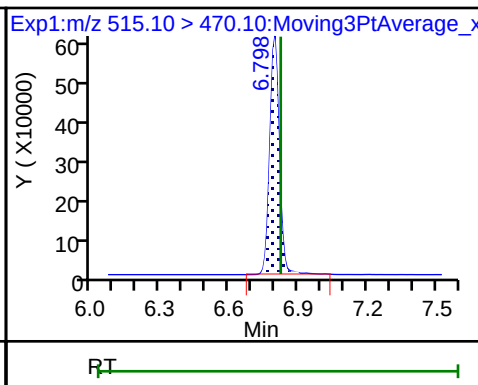
49 NMeFOSAA



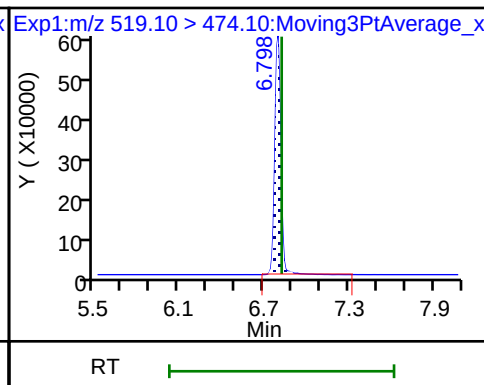
D 48 d3-NMeFOSAA



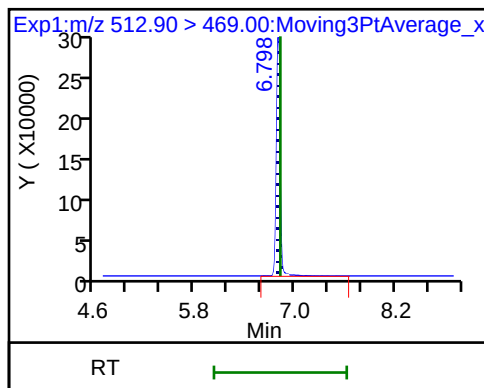
* 50 13C2 PFDA



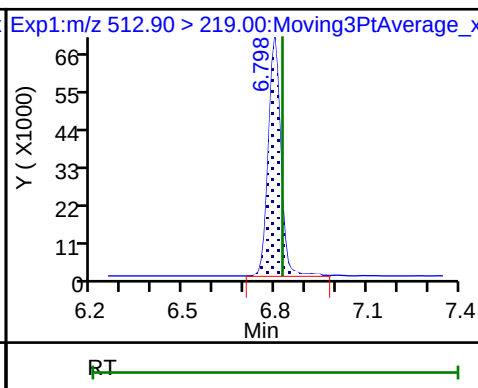
D 51 13C6 PFDA



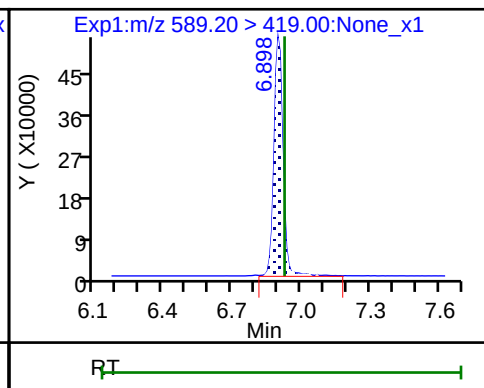
52 PFDA

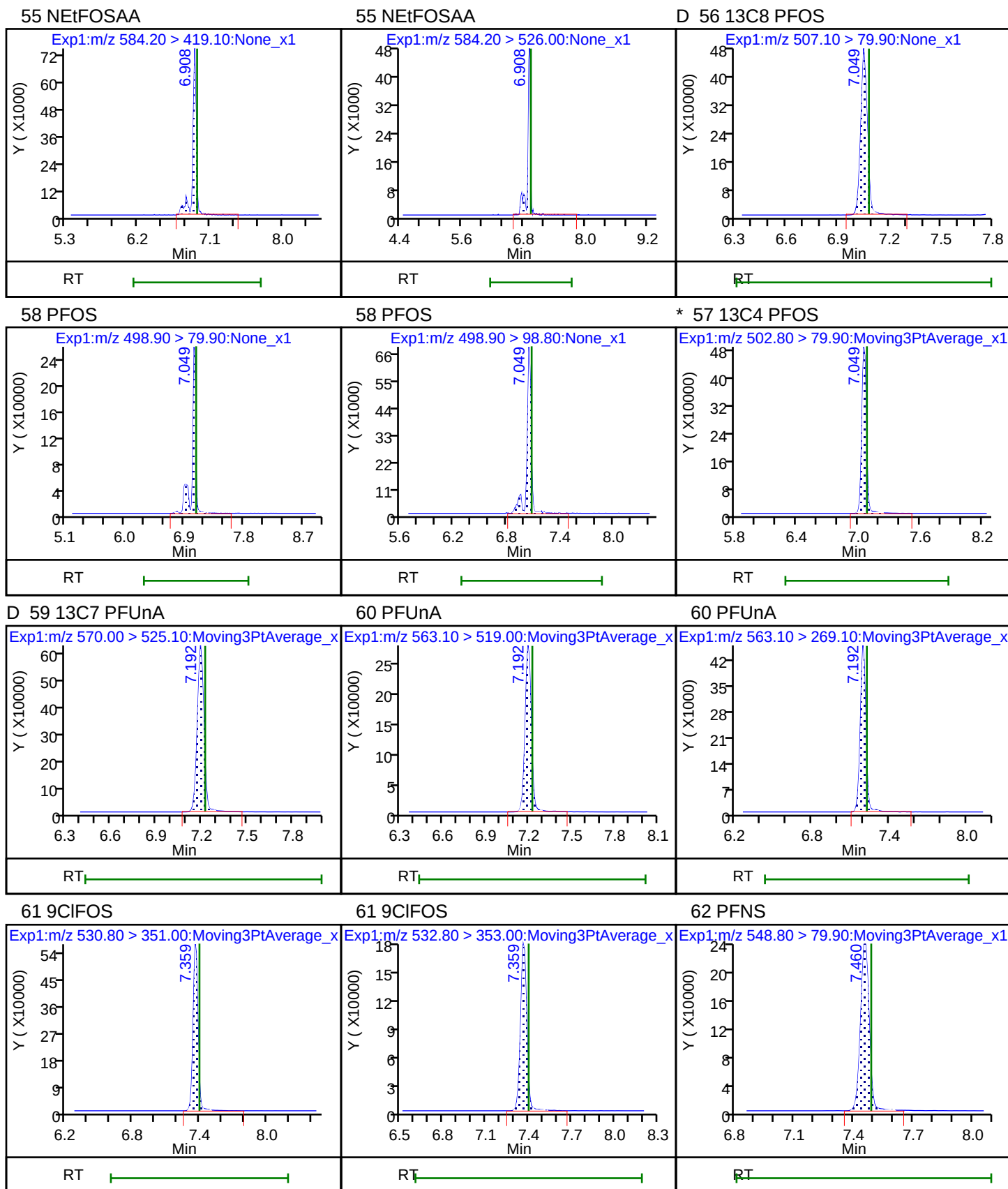


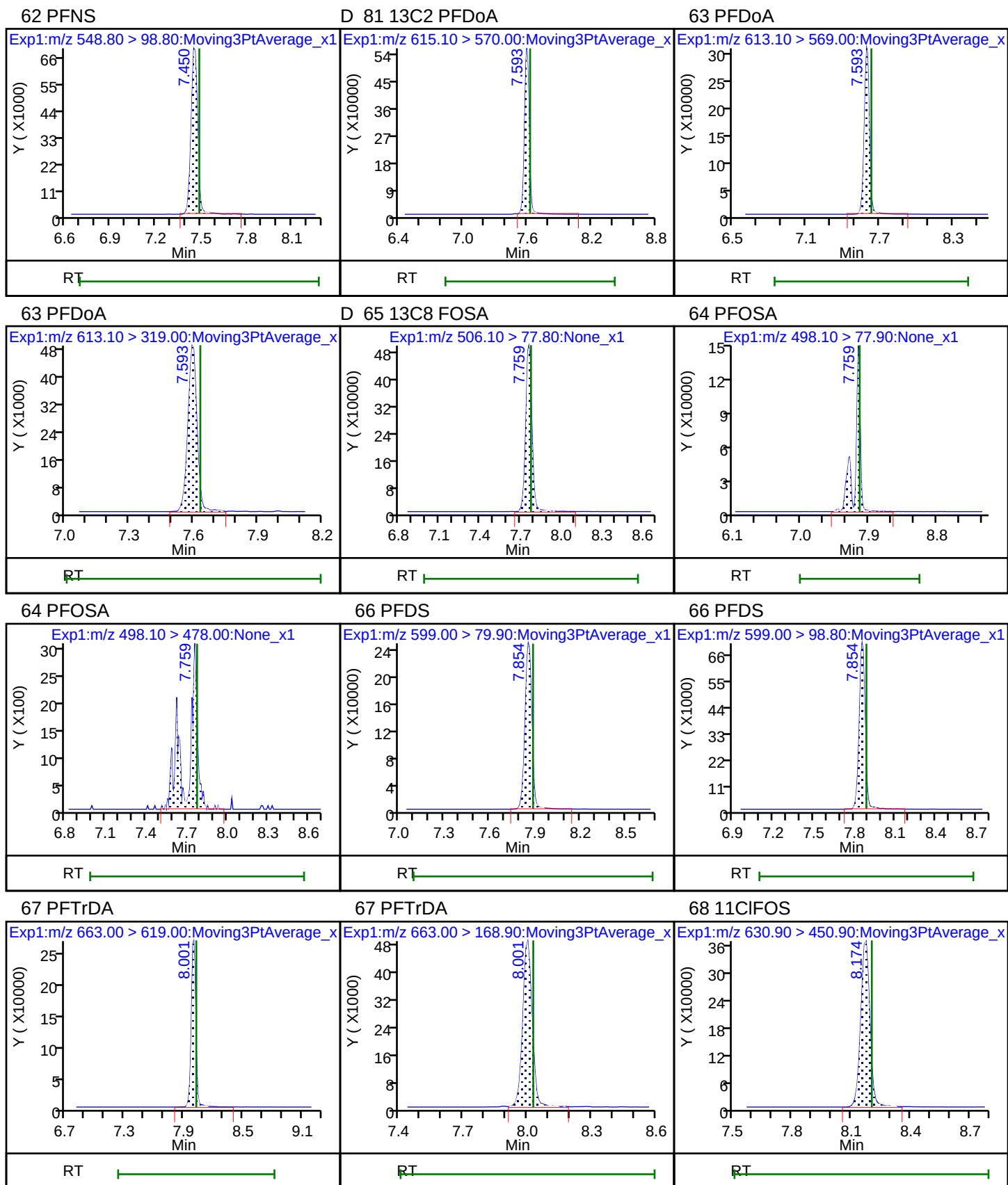
52 PFDA

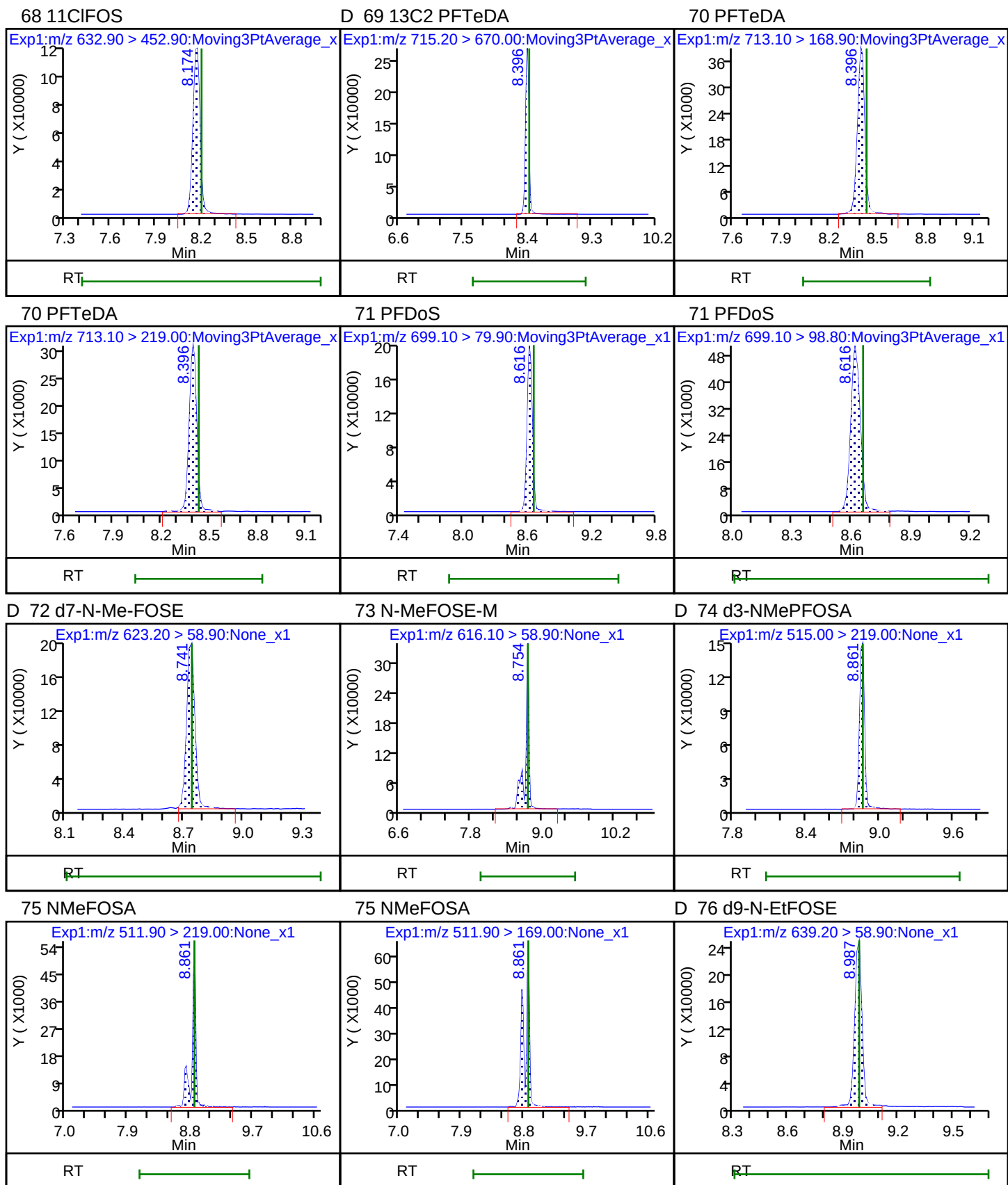


D 54 d5-NetFOSAA





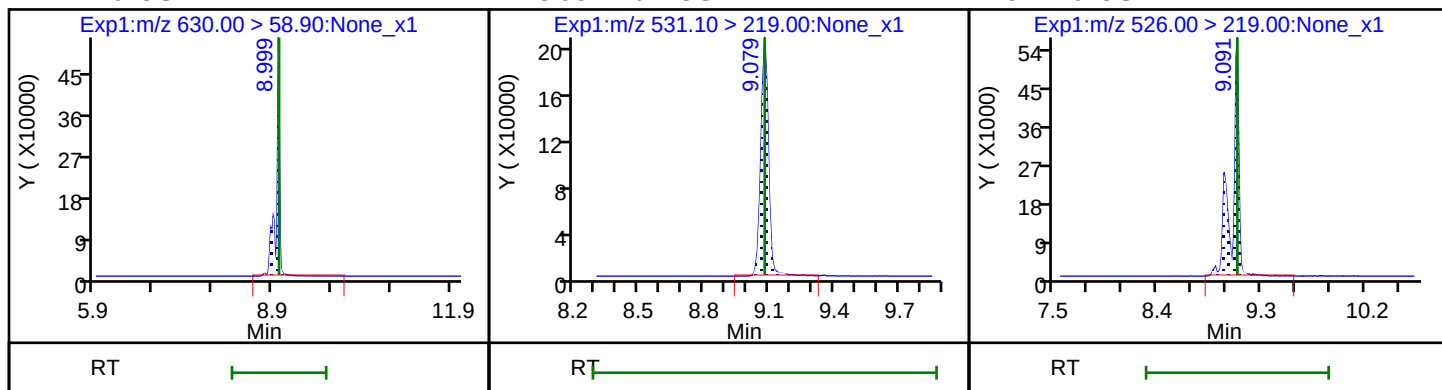




77 N-EtFOSE-M

D 78 d5-NEtPFOSA

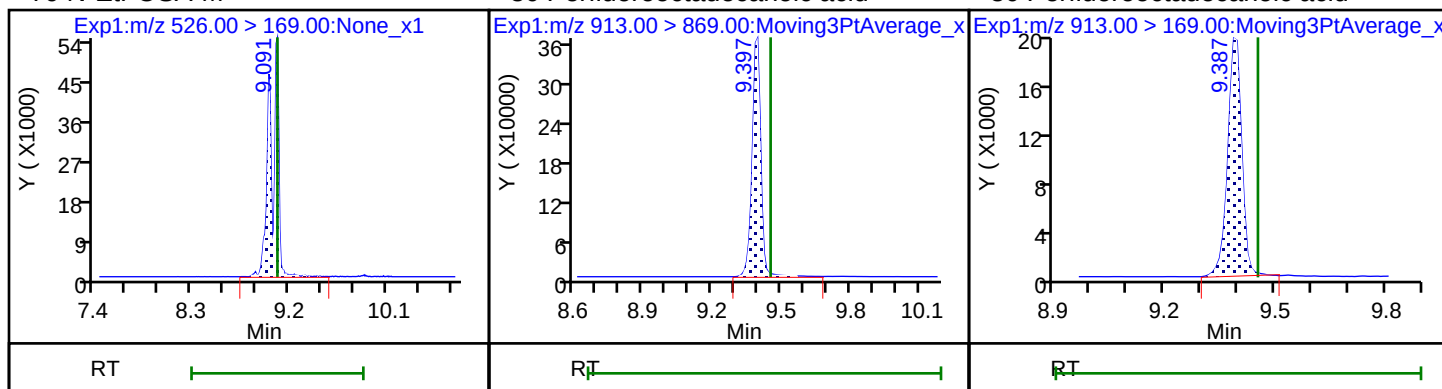
79 N-EtFOSA-M



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.: 410-254628-1

SDG No.:

Lab Sample ID: CCV 410-737075/76

Calibration Date: 12/01/2025 19:51

Instrument ID: 30570

Calib Start Date: 11/29/2025 11:15

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 11/29/2025 12:50

Lab File ID: 25DEC01E-18.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoropropionic acid (PFPrA)	AveID	0.9875	0.9785		4.95	5.00	-1.0	30.0
Perfluorobutanoic acid	AveID	0.9142	0.9024		1.97	2.00	-1.0	30.0
Perfluoro-3-methoxypropanoic acid	AveID	1.295	1.266		0.978	1.00	-2.0	30.0
3-Perfluoropropylpropanoic acid (3:3 FTCA)	AveID	0.0611	0.0496		1.62	2.00	-19.0	30.0
Perfluoropentanoic acid	AveID	1.207	1.214		1.01	1.00	1.0	30.0
Perfluoro(4-methoxybutanoic acid)	AveID	1.723	1.673		0.971	1.00	-3.0	30.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	1.645	1.606		1.83	1.88	-2.0	30.0
Perfluoro-3,6-dioxahexanoic acid	AveID	0.1758	0.1740		0.990	1.00	-1.0	30.0
Perfluorohexanoic acid	AveID	0.9656	0.9239		0.957	1.00	-4.0	30.0
3-Perfluoropentylpropanoic acid (5:3 FTCA)	AveID	0.1310	0.0998		3.81	5.00	-24.0	30.0
Perfluorobutanesulfonic acid	AveID	1.226	1.227		0.888	0.888	0.0	30.0
HFPO-DA	AveID	1.035	0.997		0.722	0.750	-4.0	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	1.033	0.8202		0.794	1.00	-21.0	30.0
PFEESA	AveID	2.916	2.841		0.869	0.892	-3.0	30.0
Perfluoroheptanoic acid	AveID	0.9509	0.9752		1.03	1.00	3.0	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	3.296	3.027		0.869	0.946	-8.0	30.0
Perfluoropentanesulfonic acid	AveID	1.255	1.277		0.957	0.940	2.0	30.0
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	AveID	1.881	1.803		1.83	1.90	-4.0	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	2.278	2.110		0.907	0.979	-7.0	30.0
Perfluorooctanoic acid	L2ID		0.8225		1.01	1.00	1.0	30.0
7:3 FTCA	AveID	0.0692	0.0533		3.86	5.00	-23.0	30.0
Perfluorohexanesulfonic acid	L2ID		1.153		0.913	0.912	0.0	30.0
Perfluorononanoic acid	AveID	0.9220	0.8681		0.942	1.00	-6.0	30.0
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	AveID	1.320	1.292		1.88	1.92	-2.0	30.0
Perfluoro-4-ethylcyclohexane sulfonic acid (PFECHS)	AveID	0.3542	0.3503		0.914	0.924	-1.0	30.0
Perfluoroheptanesulfonic acid	AveID	1.230	1.193		0.926	0.954	-3.0	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	1.488	1.286		0.864	1.00	-14.0	30.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.9877	0.9491		0.961	1.00	-4.0	30.0
Perfluorodecanoic acid	AveID	1.000	0.9446		0.945	1.00	-6.0	30.0
NETFOSAA	AveID	0.7659	0.8083		1.06	1.00	6.0	30.0
Perfluorooctanesulfonic acid	AveID	1.535	1.504		0.911	0.930	-2.0	30.0
Perfluoroundecanoic acid	AveID	0.8783	0.8551		0.974	1.00	-3.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Lab Sample ID: CCV 410-737075/76 Calibration Date: 12/01/2025 19:51

Instrument ID: 30570 Calib Start Date: 11/29/2025 11:15

GC Column: Gemini C18 50mm ID: 3.00 (mm) Calib End Date: 11/29/2025 12:50

Lab File ID: 25DEC01E-18.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
9-Chlorohexadecafluoro-3-oxa nonane-1-sulfonic acid	AveID	2.755	2.902		0.984	0.934	5.0	30.0
Perfluorononanesulfonic acid	AveID	1.145	1.178		0.990	0.962	3.0	30.0
Perfluorododecanoic acid	AveID	1.031	1.021		0.991	1.00	-1.0	30.0
Perfluorooctanesulfonamide (PFOSA)	AveID	0.8957	0.8888		0.992	1.00	-1.0	30.0
Perfluorodecanesulfonic acid	AveID	1.228	1.275		1.00	0.964	4.0	30.0
Perfluorotridecanoic acid	AveID	1.409	1.398		0.992	1.00	-1.0	30.0
11-Chloroeicosafluoro-3-oxa undecane-1-sulfonic acid	AveID	1.924	1.990		0.976	0.944	3.0	30.0
Perfluorotetradecanoic acid	AveID	0.2913	0.2864		0.983	1.00	-2.0	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.9869	0.9700		0.953	0.970	-2.0	30.0
2- (N-methylperfluoro-1-octanes ulfonamido) ethanol	AveID	2.328	2.425		5.21	5.00	4.0	30.0
NMeFOSA	AveID	1.030	1.029		0.999	1.00	0.0	30.0
2- (N-ethylperfluoro-1-octanesu lfonamido) ethanol	AveID	2.840	2.914		5.13	5.00	3.0	30.0
N-ethylperfluoro-1-octanesul fonamide	AveID	0.9256	0.9117		0.985	1.00	-2.0	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	2.284	1.989		0.871	1.00	-13.0	30.0
13C3 PFPrA	Ave	0.8545	0.7274		1.70	2.00	-15.0	30.0
13C4 PFBA	Ave	1.161	1.112		1.92	2.00	-4.0	30.0
13C5 PFPeA	Ave	0.8217	0.7876		1.92	2.00	-4.0	30.0
13C2 4:2 FTS	Ave	0.2688	0.3102		5.41	4.69	15.0	30.0
13C5 PFHxA	Ave	1.134	1.122		1.98	2.00	-1.0	30.0
13C3 PFBS	Ave	1.385	1.350		1.82	1.86	-3.0	30.0
13C3 HFPO-DA	Ave	0.7791	0.8156		2.09	2.00	5.0	30.0
13C4 PFHpA	Ave	0.9642	0.9717		2.02	2.00	1.0	30.0
13C2 6:2 FTS	Ave	0.2032	0.2429		5.69	4.76	20.0	30.0
13C8 PFOA	Ave	1.033	0.997		1.93	2.00	-3.0	30.0
13C3 PFHxS	Ave	1.017	1.005		1.87	1.90	-1.0	30.0
13C9 PFNA	Ave	0.9623	0.9305		1.93	2.00	-3.0	30.0
M2-8:2 FTS	Ave	0.2535	0.3244		6.14	4.80	28.0	30.0
d3-NMeFOSAA	Ave	0.3888	0.4802		6.18	5.00	24.0	30.0
13C6 PFDA	Ave	1.014	1.003		1.98	2.00	-1.0	30.0
d5-NEtFOSAA	Ave	0.3899	0.4096		5.25	5.00	5.0	30.0
13C8 PFOS	Ave	0.8819	0.8205		1.78	1.92	-7.0	30.0
13C7 PFUnA	Ave	1.153	1.111		1.93	2.00	-4.0	30.0
13C2 PFDoA	Ave	0.9721	0.9714		2.00	2.00	0.0	30.0
13C8 FOSA	Ave	1.146	1.006		1.76	2.00	-12.0	30.0
13C2 PFTeDA	Ave	0.4955	0.4765		1.92	2.00	-4.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Lab Sample ID: CCV 410-737075/76

Calibration Date: 12/01/2025 19:51

Instrument ID: 30570

Calib Start Date: 11/29/2025 11:15

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 11/29/2025 12:50

Lab File ID: 25DEC01E-18.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d7-N-MeFOSE-M	Ave	0.1589	0.1474		4.64	5.00	-7.0	30.0
d3-NMePFOSA	Ave	0.2779	0.2770		1.99	2.00	0.0	30.0
d9-N-EtFOSE-M	Ave	0.1837	0.1811		4.93	5.00	-1.0	30.0
d5-NEtPFOSA	Ave	0.3346	0.3272		1.96	2.00	-2.0	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\25DEC01E-18.d
 Lims ID: CCV 3_CAL4
 Client ID:
 Sample Type: CCV
 Inject. Date: 01-Dec-2025 19:51:04 ALS Bottle#: 5 Worklist Smp#: 76
 Injection Vol: 7.0 ul Dil. Factor: 1.0000
 Sample Info: CCV 3_CAL4
 Misc. Info.: Plate: 1 Rack: 1 410-0168432-076
 Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570
 Sublist: chrom-30570-1633-125ml*sub7
 Method: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\30570-1633-125ml.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 02-Dec-2025 07:18:30 Calib Date: 29-Nov-2025 12:50:55
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-08.d

Column 1 : Det: EXP1

Process Host: CTX1649

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	1.961	1.973	-0.012	0.479	1042393	1.70		85.1	52702	
2 Perfluoropropionic acid										
163.00 > 119.00	1.961	1.985	-0.024	1.000	2549895	4.95		99.1	17020	
5 PFBA										
212.80 > 168.90	4.090	4.109	-0.019	0.998	1438540	1.97		98.7	17615	
D 3 13C4-PFBA										
216.80 > 171.90	4.096	4.109	-0.013	1.000	1594209	1.92		95.8	3017	
* 4 13C3PFBA										
216.00 > 172.00	4.096	4.109	-0.013		1433122	2.00			671	
6 PFMPA										
229.00 > 84.90	4.406	4.424	-0.018	0.931	815047	0.9776		97.8	3616	
7 3:3 FTCA										
241.00 > 177.00	4.424	4.433	-0.009	0.934	63827	1.62	Target=1.35	81.1	843	
241.00 > 117.00	4.415	4.433	-0.018	0.933	47638		1.34(0.68-2.03)		348	
D 8 13C5 PFPeA										
268.30 > 223.00	4.734	4.755	-0.021	0.912	1287930	1.92		95.9	3266	
9 PFPA										
263.00 > 219.00	4.745	4.765	-0.020	1.002	781923	1.01		101	710	
10 PFMBA										
279.00 > 85.10	4.890	4.915	-0.025	1.033	1077389	0.9709		97.1	6013	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.018	5.036	-0.018	0.807	955171	5.41		115	3450	
11 4:2FTS										
327.10 > 307.00	5.018	5.036	-0.018	1.000	613452	1.83	Target=1.50	97.6	2272	
327.10 > 80.90	5.018	5.036	-0.018	1.000	408993		1.50(0.75-2.25)		596	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.153	5.181	-0.028	0.993	159647	0.9895	Target=1.60	99.0	1442	
295.00 > 84.90	5.153	5.181	-0.028	0.993	107586		1.48(0.80-2.41)		832	
* 16 13C2 PFHxA										
315.10 > 270.00	5.191	5.219	-0.028		4088132	5.00			4481	
D 15 13C5 PFHxA										
318.00 > 273.00	5.191	5.219	-0.028	1.000	1835316	1.98		99.0	5728	
17 PFHxA										
313.00 > 269.00	5.200	5.228	-0.028	1.002	847829	0.9568	Target=10.68	95.7	1432	
313.00 > 118.90	5.191	5.228	-0.037	1.000	80072		10.59(5.34-16.01)		470	
18 5:3 FTCA										
341.00 > 237.10	5.278	5.297	-0.019	1.017	458111	3.81	Target=0.91	76.2	1797	
341.00 > 217.00	5.278	5.297	-0.019	1.017	524719		0.87(0.46-1.37)		2189	
19 PFBS										
298.70 > 79.90	5.329	5.362	-0.033	1.000	965191	0.8883	Target=2.86	100	2250	
298.70 > 98.80	5.329	5.362	-0.033	1.000	338295		2.85(1.43-4.30)		1682	
D 20 13C3 PFBS										
302.10 > 79.90	5.329	5.362	-0.033	0.858	1651712	1.82		97.4	6370	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.373	5.406	-0.033	1.035	1333663	2.09		105	4021	
21 HFPO-DA										
284.90 > 168.90	5.373	5.406	-0.033	1.000	498532	0.7221	Target=2.59	96.3	1898	
284.90 > 184.90	5.373	5.406	-0.033	1.000	192045		2.60(1.30-3.89)		901	
23 FBSA										
297.90 > 78.00	5.395	5.427	-0.032	1.012	726800	0.7941		79.4	1967	
26 PFEESA										
314.80 > 134.90	5.567	5.599	-0.032	1.072	2325850	0.8692	Target=12.75	97.4	5317	
314.80 > 82.90	5.567	5.599	-0.032	1.072	182463		12.75(6.37-19.12)		652	
28 PFHpA										
363.10 > 319.00	5.610	5.642	-0.032	1.000	774805	1.03	Target=2.26	103	1255	
363.10 > 169.00	5.610	5.642	-0.032	1.000	330218		2.35(1.13-3.39)		1315	
D 27 13C4 PFHpA										
367.10 > 322.00	5.610	5.642	-0.032	1.081	1588971	2.02		101	4527	
29 ADONA										
376.90 > 250.90	5.765	5.799	-0.034	1.073	1909375	0.8687	Target=1.92	91.8	4320	
376.90 > 84.80	5.765	5.799	-0.034	1.073	1049071		1.82(0.96-2.88)		3117	
30 PFPeS										
349.10 > 79.90	5.799	5.845	-0.046	0.933	792337	0.9566	Target=3.26	102	1930	
349.10 > 98.90	5.799	5.845	-0.046	0.933	229619		3.45(1.63-4.89)		1080	
31 6:2FTS										
427.10 > 407.00	5.811	5.845	-0.034	1.002	547509	1.83	Target=1.68	95.9	163	
427.10 > 80.90	5.799	5.845	-0.046	1.000	317962		1.72(0.84-2.52)		132	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.799	5.845	-0.046	0.933	759099	5.69		120	2056	
33 BTS										
280.00 > 147.00	5.958	6.007	-0.049	0.959	1363574	0.9068		92.6	3057	
* 35 13C4 PFOA										
417.10 > 372.00	5.997	6.038	-0.041		4973110	5.00			19401	

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	5.997	6.048	-0.051	1.000	1983696	1.93		96.5	2680	
36 PFOA										
413.00 > 369.00	5.997	6.048	-0.051	1.000	815755	1.01	Target=2.08	101	759	
413.00 > 169.00	5.997	6.048	-0.051	1.000	389747		2.09(1.04-3.13)		624	
37 7:3 FTCA										
441.00 > 316.90	6.067	6.102	-0.035	1.169	244772	3.86	Target=0.45	77.1	849	
441.00 > 336.90	6.067	6.102	-0.035	1.169	541776		0.45(0.23-0.68)		2654	
D 39 13C3 PFHxS										
402.10 > 79.90	6.214	6.268	-0.054	1.000	1251582	1.87		98.9	1590	
* 38 18O2 PFHxS										
403.00 > 83.90	6.214	6.268	-0.054		1244759	1.90			3581	
40 PFHxS										
398.70 > 79.90	6.214	6.277	-0.063	1.000	694345	0.9134	Target=3.32	100	789	
398.70 > 98.90	6.223	6.277	-0.054	1.001	210050		3.31(1.66-4.97)		607	
43 PFNA										
463.00 > 419.00	6.389	6.430	-0.041	1.002	804216	0.9415	Target=2.36	94.2	1399	
463.00 > 219.00	6.389	6.430	-0.041	1.002	335986		2.39(1.18-3.54)		633	
* 41 13C5 PFNA										
468.00 > 423.00	6.379	6.430	-0.051		1991234	2.00			6967	
D 42 13C9 PFNA										
472.10 > 427.00	6.379	6.430	-0.051	1.000	1852878	1.93		96.7	4653	
44 8:2FTS										
527.10 > 507.00	6.558	6.610	-0.052	1.000	528537	1.88	Target=1.32	97.9	696	
527.10 > 80.80	6.558	6.610	-0.052	1.000	412541		1.28(0.66-1.99)		2176	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.558	6.610	-0.052	1.055	1022357	6.14		128	2621	
46 PFECHS										
461.00 > 381.00	6.589	6.641	-0.052	1.060	213639	0.9138	Target=0.28	98.9	1075	
461.00 > 99.00	6.589	6.641	-0.052	1.060	739298		0.29(0.14-0.42)		1855	
47 PFHpS										
449.00 > 79.90	6.620	6.673	-0.053	0.945	716387	0.9256	Target=3.76	97.0	1543	
449.00 > 98.80	6.620	6.673	-0.053	0.945	193035		3.71(1.88-5.64)		482	
53 FHxSA										
397.90 > 78.00	6.652	6.683	-0.031	1.070	848635	0.8640		86.4	2622	
49 NMeFOSAA										
570.10 > 419.00	6.705	6.763	-0.058	1.000	349586	0.9610	Target=1.91	96.1	1127	
570.10 > 483.00	6.705	6.763	-0.058	1.000	193587		1.81(0.96-2.87)		545	
D 48 d3-NMeFOSAA										
573.20 > 419.00	6.705	6.763	-0.058	0.955	1841591	6.18		124	1741	
* 50 13C2 PFDA										
515.10 > 470.10	6.763	6.823	-0.060		1770308	2.00			5616	
D 51 13C6 PFDA										
519.10 > 474.10	6.763	6.823	-0.060	1.000	1776220	1.98		98.9	3174	
52 PFDA										
512.90 > 469.00	6.763	6.823	-0.060	1.000	838919	0.9449	Target=4.25	94.5	7760	
512.90 > 219.00	6.772	6.823	-0.051	1.001	205141		4.09(2.12-6.37)		1195	

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	6.871	6.927	-0.056	0.979	1570821	5.25		105	1366	
55 NEtFOSAA										
584.20 > 419.10	6.880	6.936	-0.056	1.001	253944	1.06	Target=1.44	106	707	
584.20 > 526.00	6.880	6.936	-0.056	1.001	184140		1.38(0.72-2.15)		424	
D 56 13C8 PFOS										
507.10 > 79.90	7.009	7.080	-0.071	0.999	1205828	1.78		93.0	1440	
58 PFOS										
498.90 > 79.90	7.019	7.080	-0.061	1.001	879997	0.9111	Target=4.40	98.0	1874	
498.90 > 98.80	7.019	7.080	-0.061	1.001	206978		4.25(2.20-6.60)		557	
* 57 13C4 PFOS										
502.80 > 79.90	7.019	7.080	-0.061		1469562	1.92			4947	
D 59 13C7 PFUnA										
570.00 > 525.10	7.152	7.223	-0.071	1.057	1967349	1.93		96.4	9797	
60 PFUnA										
563.10 > 519.00	7.162	7.223	-0.061	1.001	841175	0.9737	Target=6.12	97.4	2513	
563.10 > 269.10	7.162	7.223	-0.061	1.001	135321		6.22(3.06-9.18)		756	
61 9C1FOS										
530.80 > 351.00	7.325	7.397	-0.072	1.045	1706074	0.9840	Target=3.14	105	7491	
532.80 > 353.00	7.325	7.397	-0.072	1.045	529873		3.22(1.57-4.71)		2386	
62 PFNS										
548.80 > 79.90	7.407	7.488	-0.081	1.057	713418	0.9900	Target=3.48	103	2213	
548.80 > 98.80	7.416	7.488	-0.072	1.058	203309		3.51(1.74-5.23)		1626	
D 81 13C2 PFDaA										
615.10 > 570.00	7.547	7.624	-0.077	1.116	1719716	2.00		99.9	4437	
63 PFDaA										
613.10 > 569.00	7.547	7.631	-0.084		877738	0.99	Target=6.22	99.1	1799	
613.10 > 319.00	7.547	7.631	-0.084		142033		6.18(3.11-9.33)		775	
D 65 13C8 FOSA										
506.10 > 77.80	7.753	7.776	-0.023	1.105	1543033	1.76		87.8	2847	
64 PFOSA										
498.10 > 77.90	7.753	7.776	-0.023	1.000	685696	0.99	Target=53.04	99.2	1661	
498.10 > 478.00	7.761	7.776	-0.015	1.001	13800		49.69(26.52-79.56)		39.4	
66 PFDS										
599.00 > 79.90	7.799	7.887	-0.088	1.113	773398	1.00	Target=3.66	104	4034	
599.00 > 98.80	7.806	7.887	-0.081	1.114	214818		3.60(1.83-5.49)		1530	
67 PFTTrDA										
663.00 > 619.00	7.943	8.027	-0.084	0.953	895642	0.99	Target=5.85	99.2	3943	
663.00 > 168.90	7.943	8.027	-0.084	0.953	153123		5.85(2.93-8.78)		1480	
68 11C1FOS										
630.90 > 450.90	8.108	8.203	-0.095	1.157	1182051	0.9765	Target=3.12	103	3293	
632.90 > 452.90	8.108	8.203	-0.095	1.157	377191		3.13(1.56-4.68)		3021	
D 69 13C2 PFTeDA										
715.20 > 670.00	8.337	8.423	-0.086	1.233	843513	1.92		96.2	5068	
70 PFTeDA										
713.10 > 168.90	8.337	8.432	-0.095	1.000	120783	0.9830	Target=1.15	98.3	1242	
713.10 > 219.00	8.337	8.432	-0.095	1.000	100663		1.20(0.58-1.73)		717	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
71 PFDoS										
699.10 > 79.90	8.553	8.658	-0.105	1.220	592164	0.9534	Target=4.11	98.3	2169	
699.10 > 98.80	8.553	8.658	-0.105	1.220	154622		3.83(2.05-6.16)		1566	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.741	8.741	0.0	1.245	565168	4.64		92.7	426	
73 N-MeFOSE-M										
616.10 > 58.90	8.754	8.754	0.0	1.002	1370410	5.21		104	1701	
D 74 d3-NMePFOSA										
515.00 > 219.00	8.861	8.861	0.0	1.262	424927	1.99		99.7	1706	
75 NMeFOSA										
511.90 > 219.00	8.861	8.861	0.0	1.000	218605	1.00	Target=0.69	99.9	920	
511.90 > 169.00	8.861	8.861	0.0	1.000	302082		0.72(0.35-1.04)		833	
D 76 d9-N-EtFOSE										
639.20 > 58.90	8.975	8.987	-0.012	1.279	694452	4.93		98.6	403	
77 N-EtFOSE-M										
630.00 > 58.90	9.000	9.011	-0.011	1.003	2023670	5.13		103	2349	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.080	9.079	0.001	1.294	501908	1.96		97.8	1968	
79 N-EtFOSA-M										
526.00 > 219.00	9.091	9.091	0.0	1.001	228799	0.9850	Target=0.81	98.5	1171	
526.00 > 169.00	9.091	9.091	0.0	1.001	277137		0.83(0.41-1.22)		559	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.309	9.453	-0.144	1.117	838788	0.8707	Target=18.31	87.1	5398	
913.00 > 169.00	9.299	9.453	-0.154	1.115	48395		17.33(9.15-27.46)		924	

Reagents:

1633_125_CAL4_00069

Amount Added: 1.00

Units: mL

Data File: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\25DEC01E-18.d

Injection Date: 01-Dec-2025 19:51:04

Instrument ID: 30570

Lims ID: CCV 3_CAL4

Client ID:

Operator ID: ETUS023_USR_INS00003

ALS Bottle#: 5

Worklist Smp#: 76

Injection Vol: 7.0 ul

Dil. Factor: 1.0000

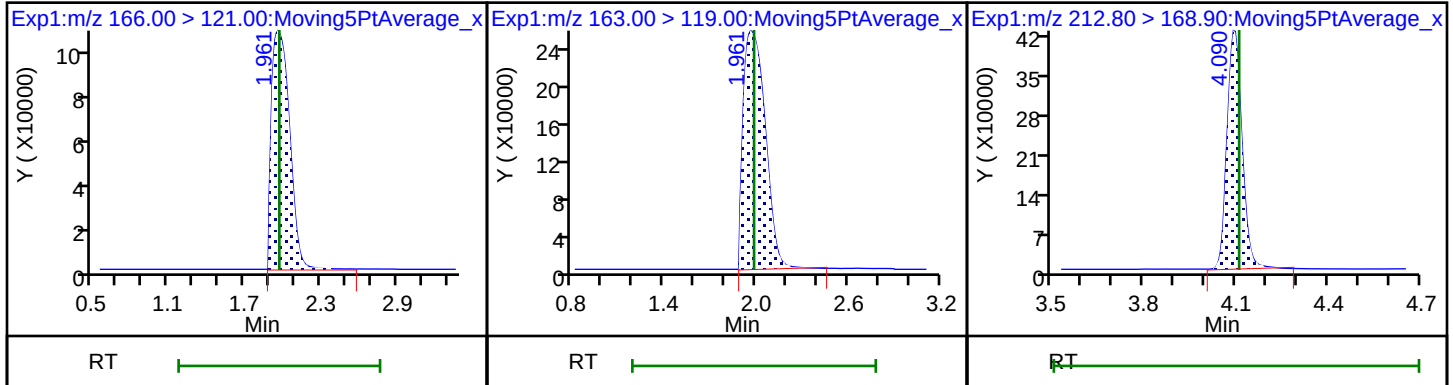
Method: 30570-1633-125ml

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid

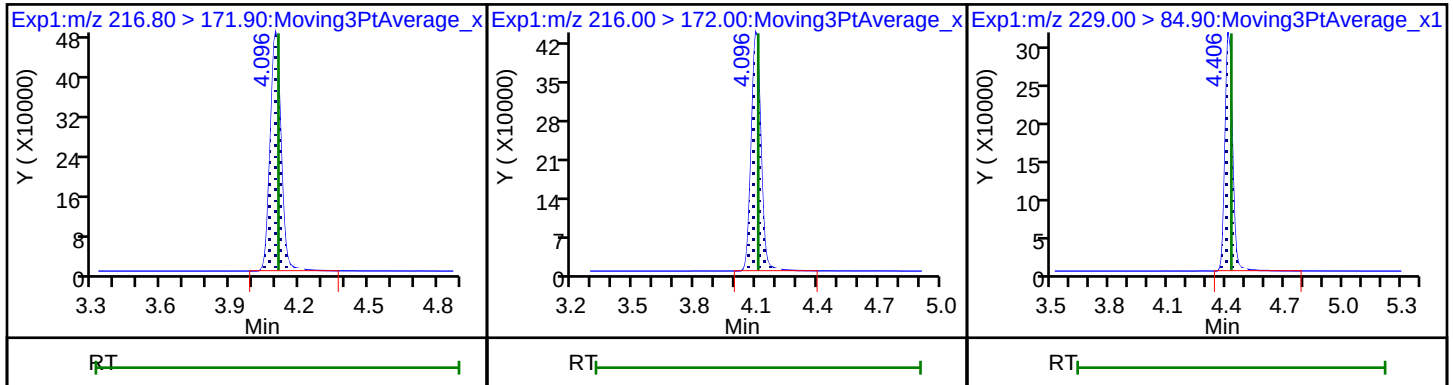
5 PFBA



D 3 13C4-PFBA

* 4 13C3PFBA

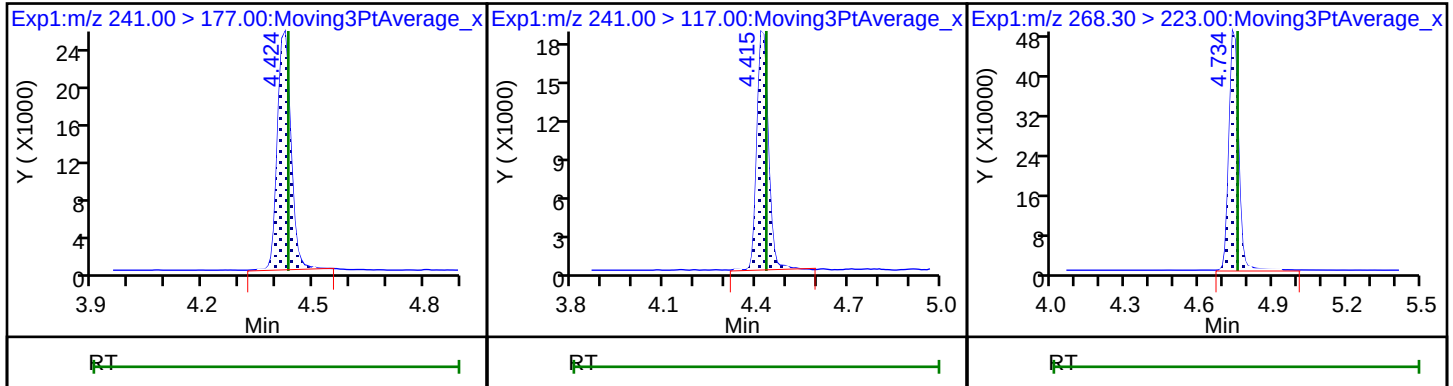
6 PFMPA



7 3:3 FTCA

7 3:3 FTCA

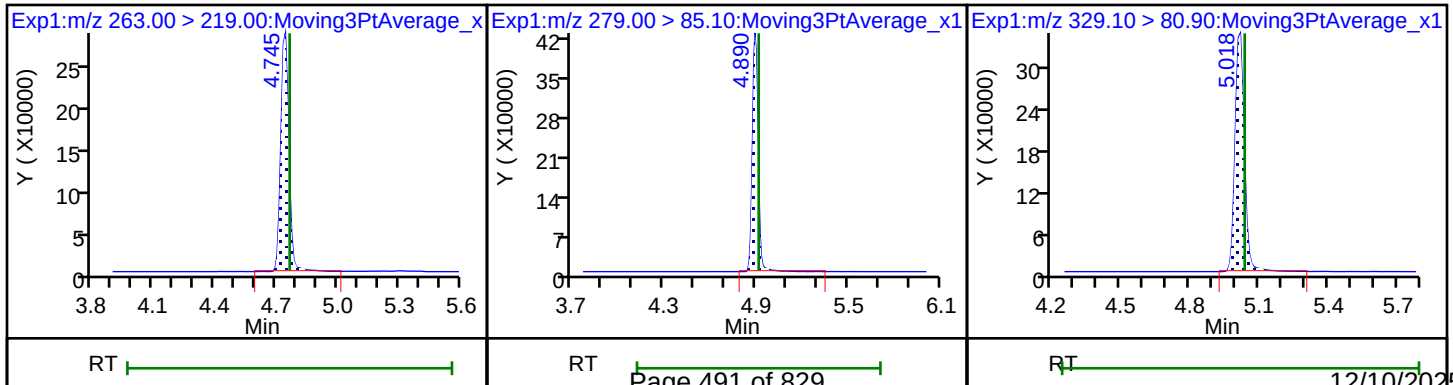
D 8 13C5 PFPeA

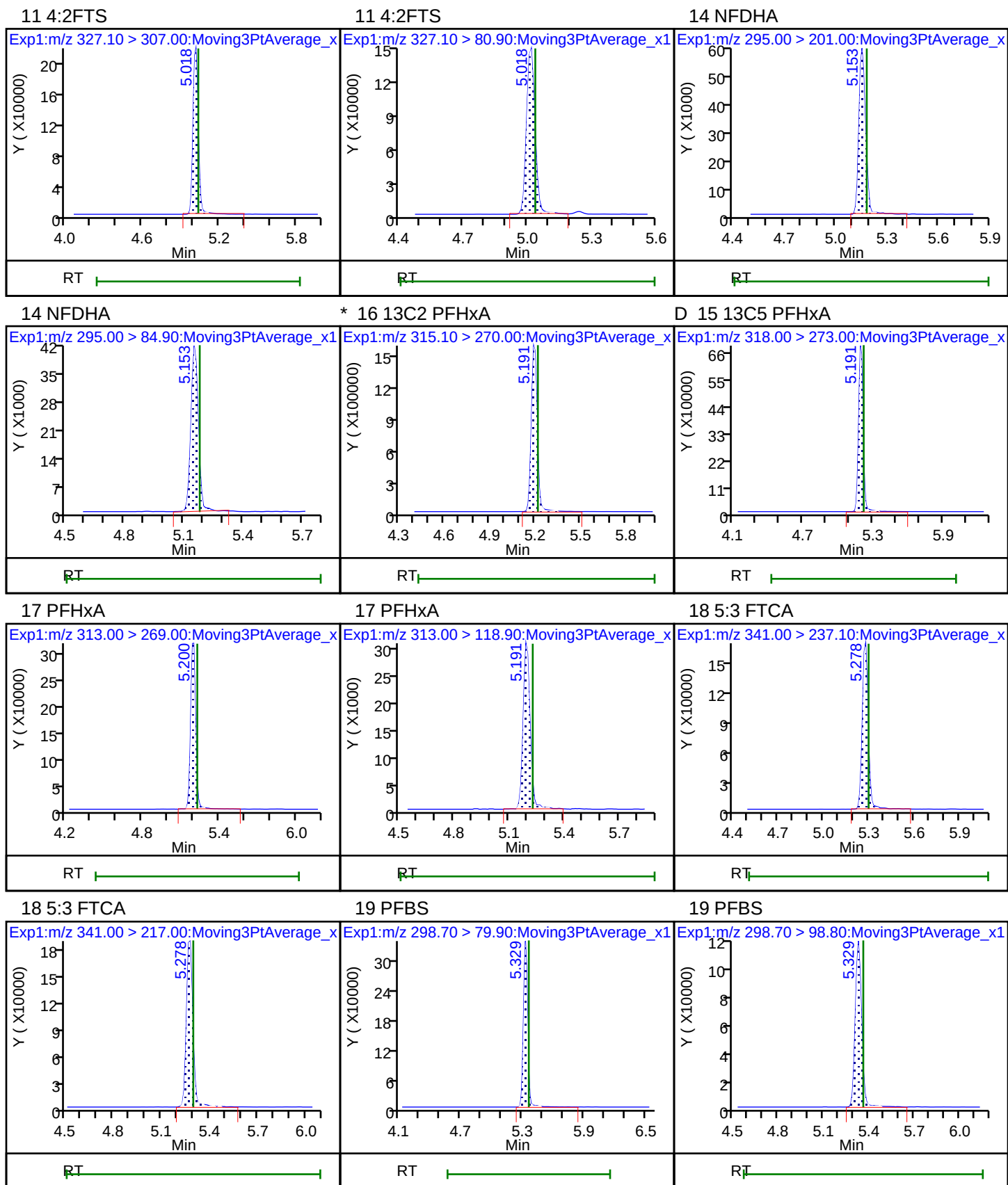


9 PFPA

10 PFMB A

D 13 13C2-4:2F TS

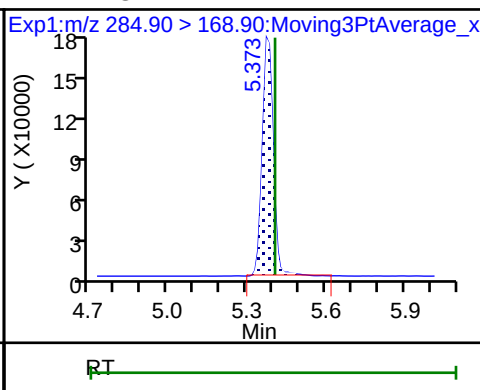
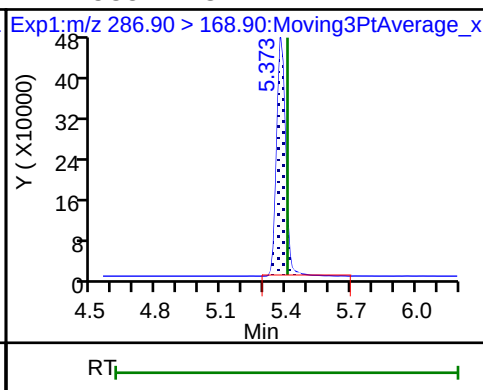
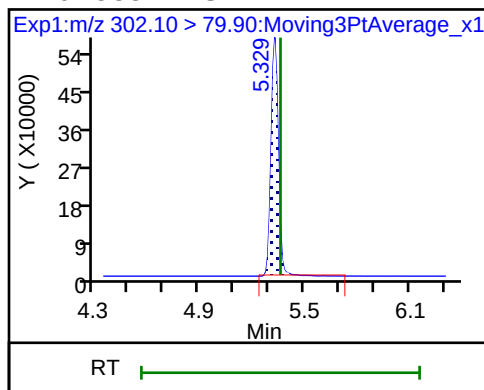




D 20 13C3 PFBS

D 22 13C3 HFPO-DA

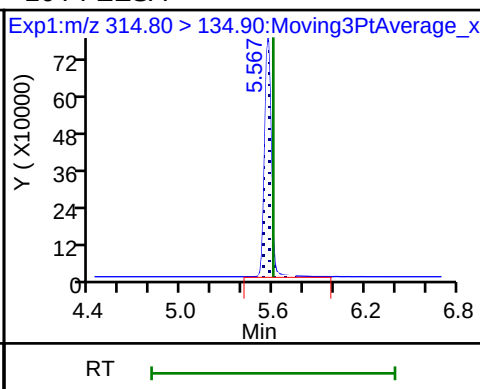
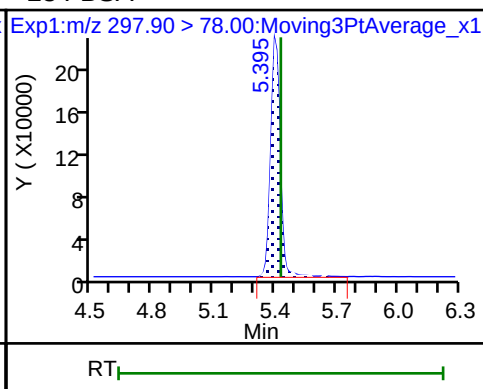
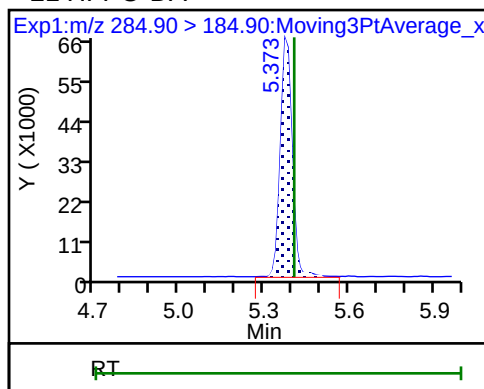
21 HFPO-DA



21 HFPO-DA

23 FBSA

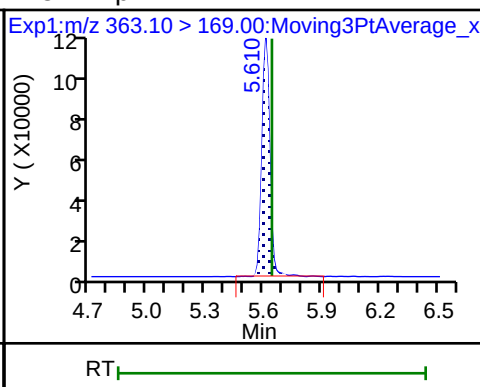
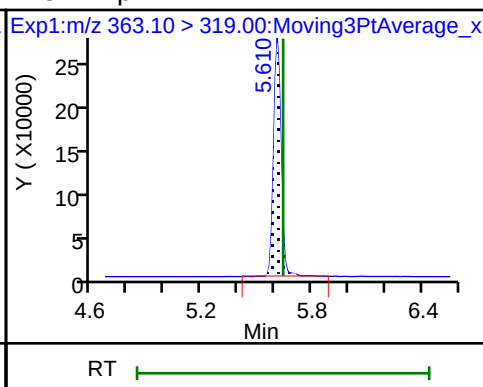
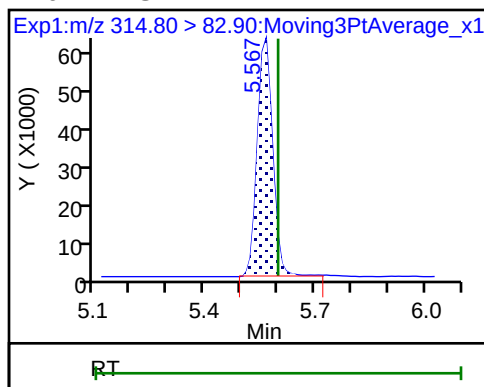
26 PFEESA



26 PFEESA

28 PFHpA

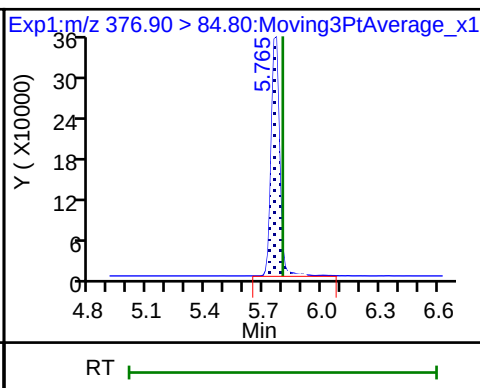
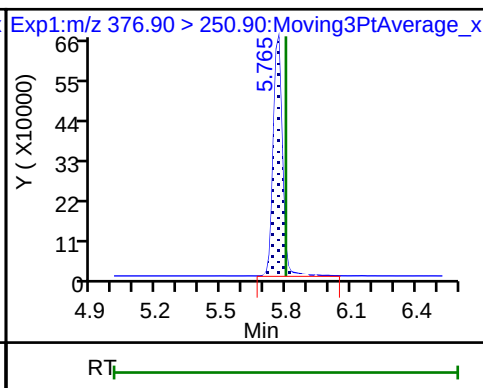
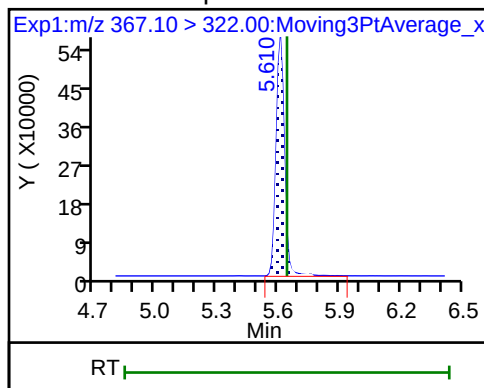
28 PFHpA

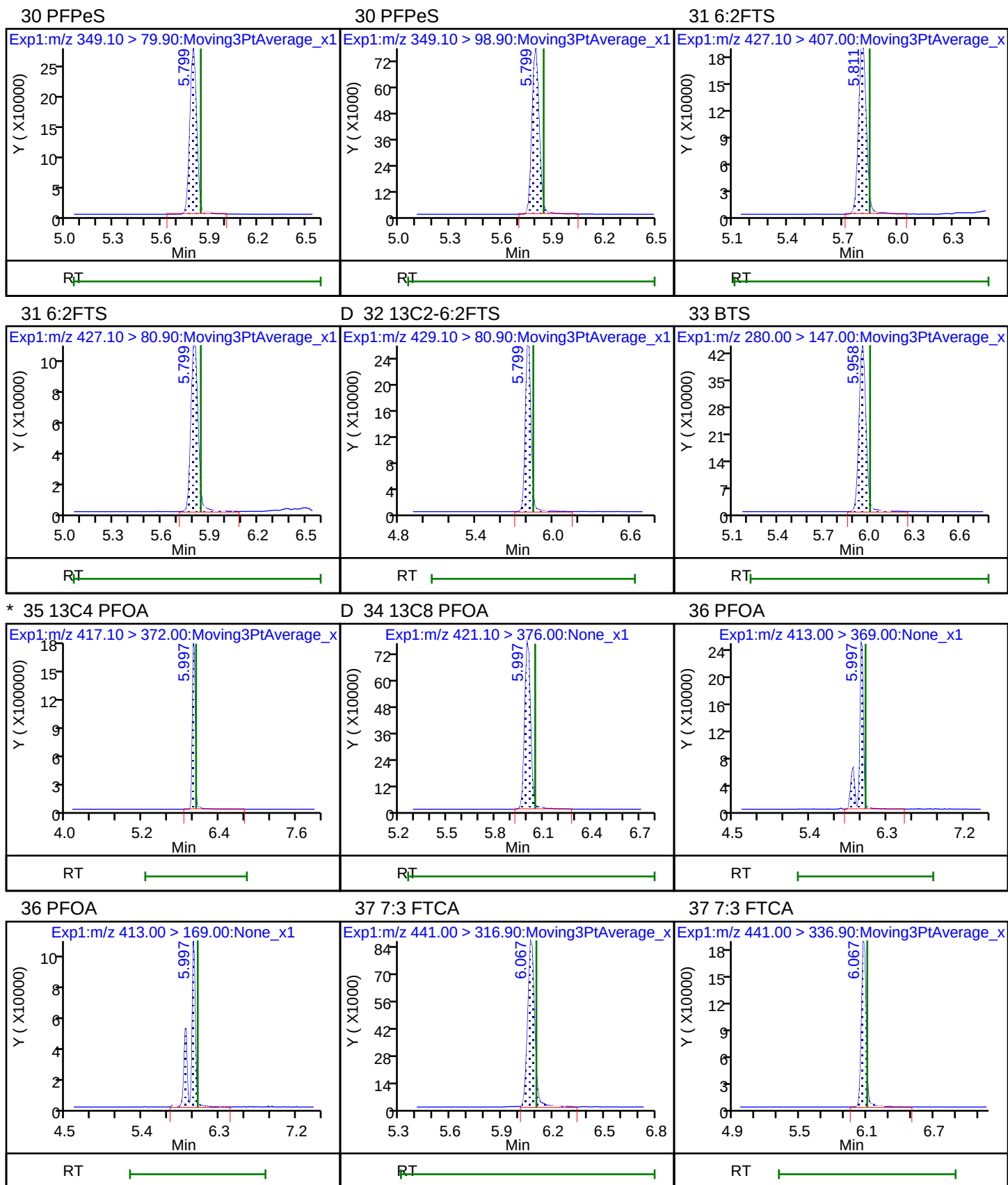


D 27 13C4 PFHpA

29 ADONA

29 ADONA

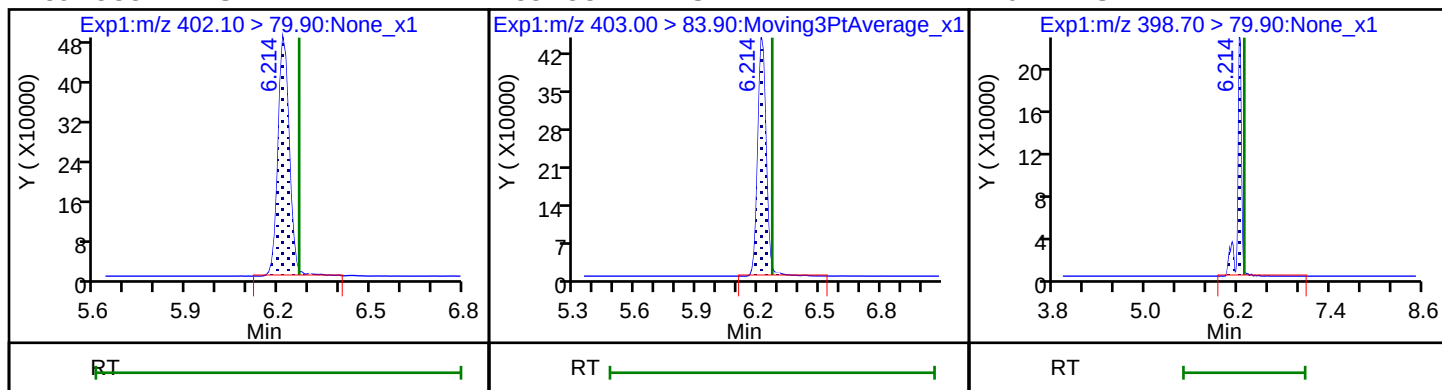




D 39 13C3 PFHxS

* 38 18O2 PFHxS

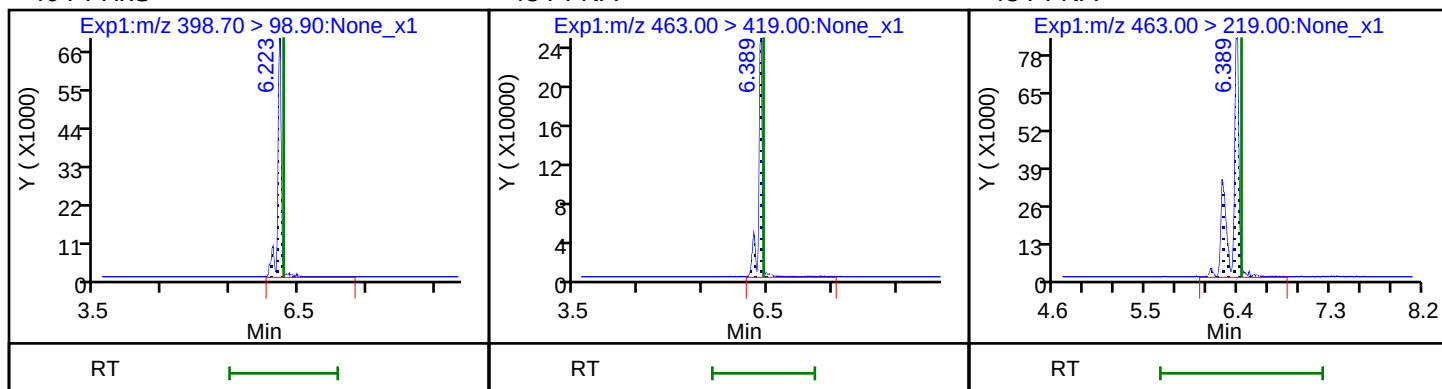
40 PFHxS



40 PFHxS

43 PFNA

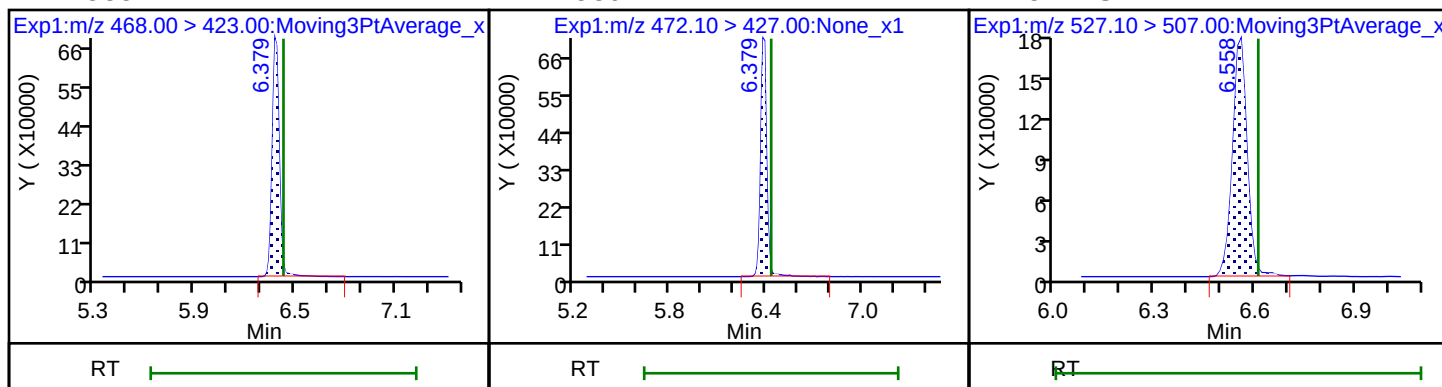
43 PFNA



* 41 13C5 PFNA

D 42 13C9 PFNA

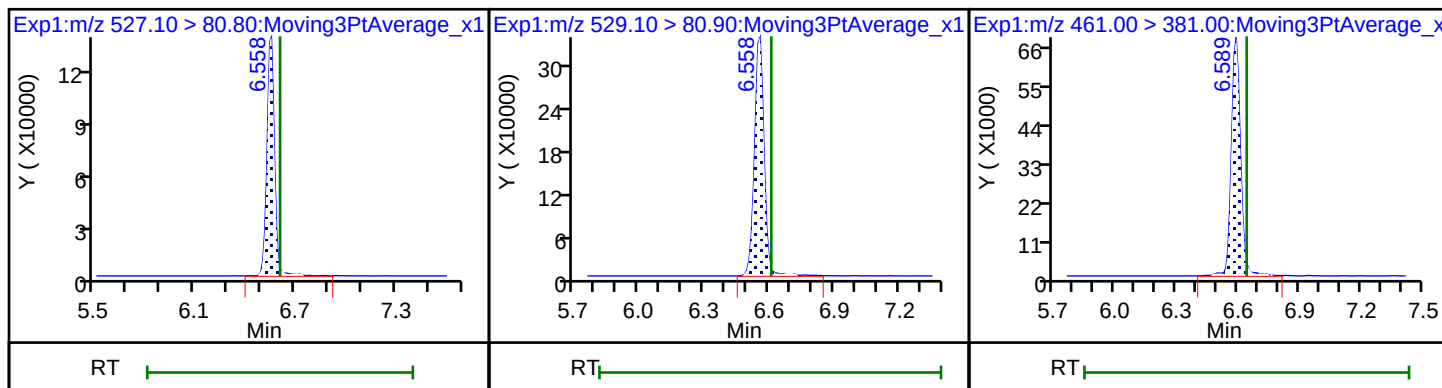
44 8:2FTS



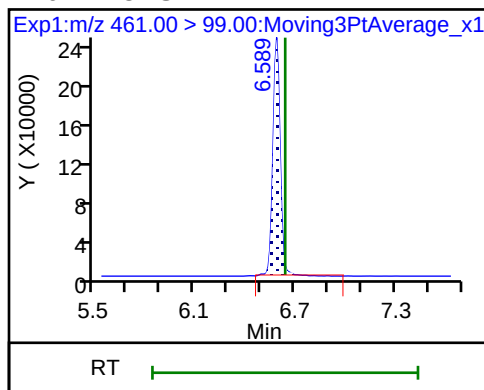
44 8:2FTS

D 45 13C2-8:2FTS

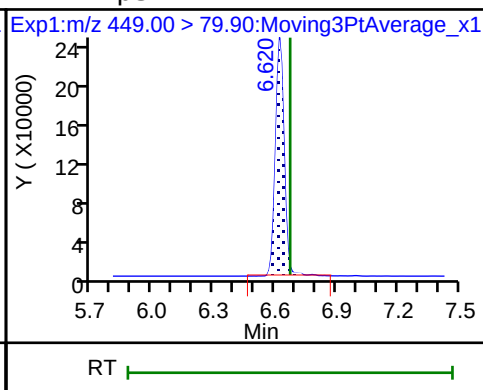
46 PFECHS



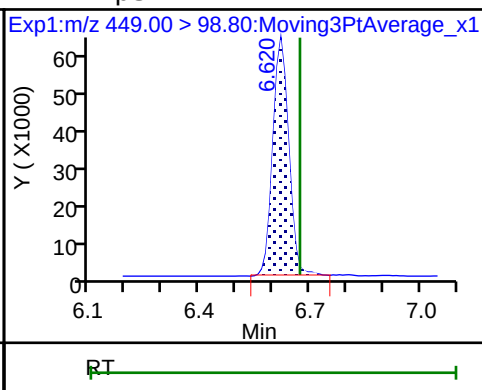
46 PFECHS



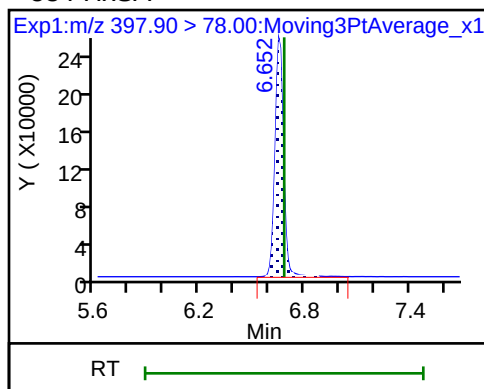
47 PFHpS



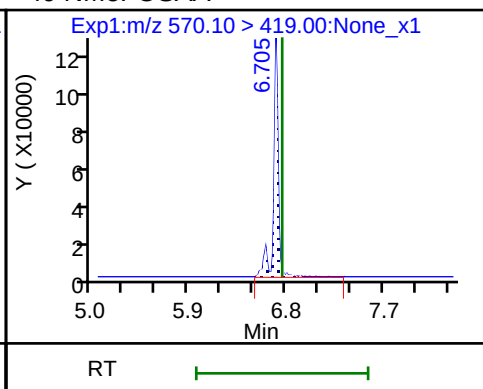
47 PFHpS



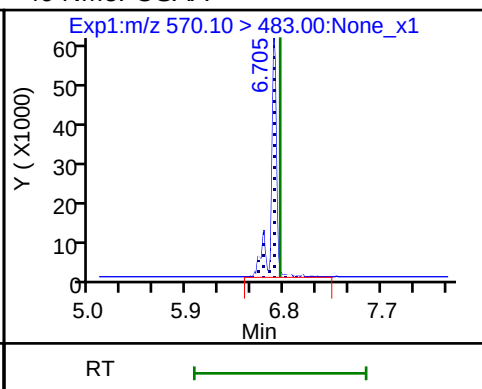
53 FHxSA



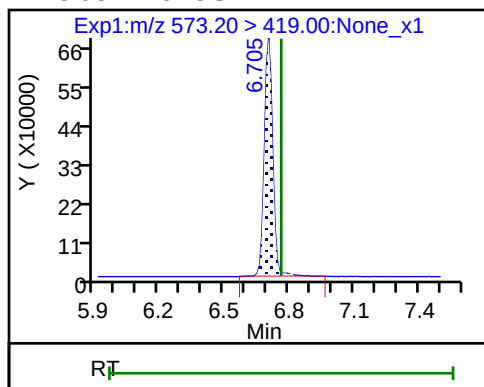
49 NMeFOSAA



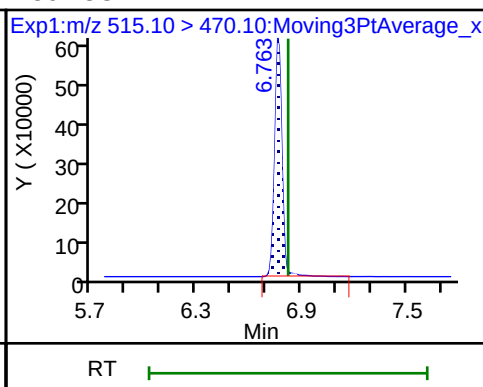
49 NMeFOSAA



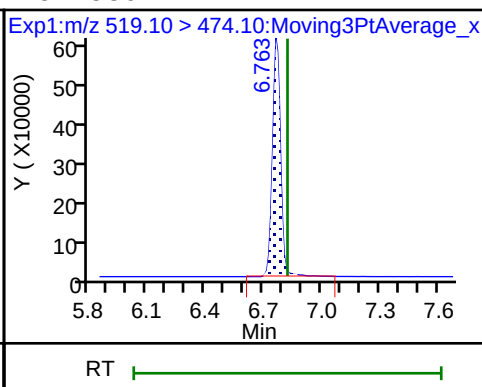
D 48 d3-NMeFOSAA



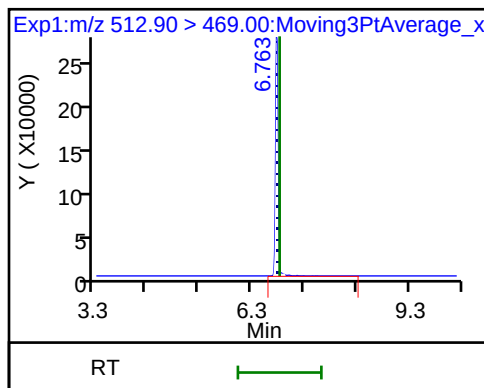
* 50 13C2 PFDA



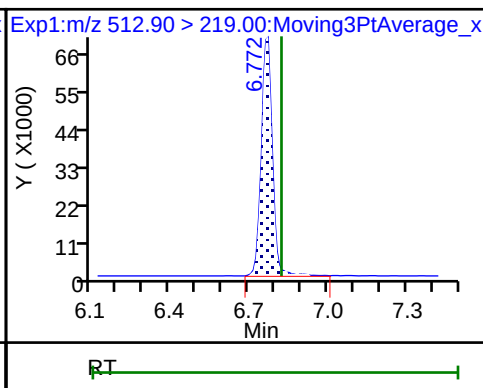
D 51 13C6 PFDA



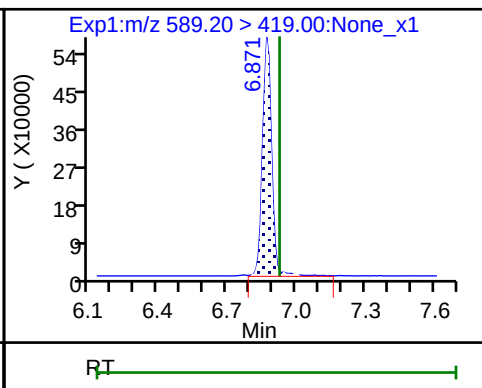
52 PFDA

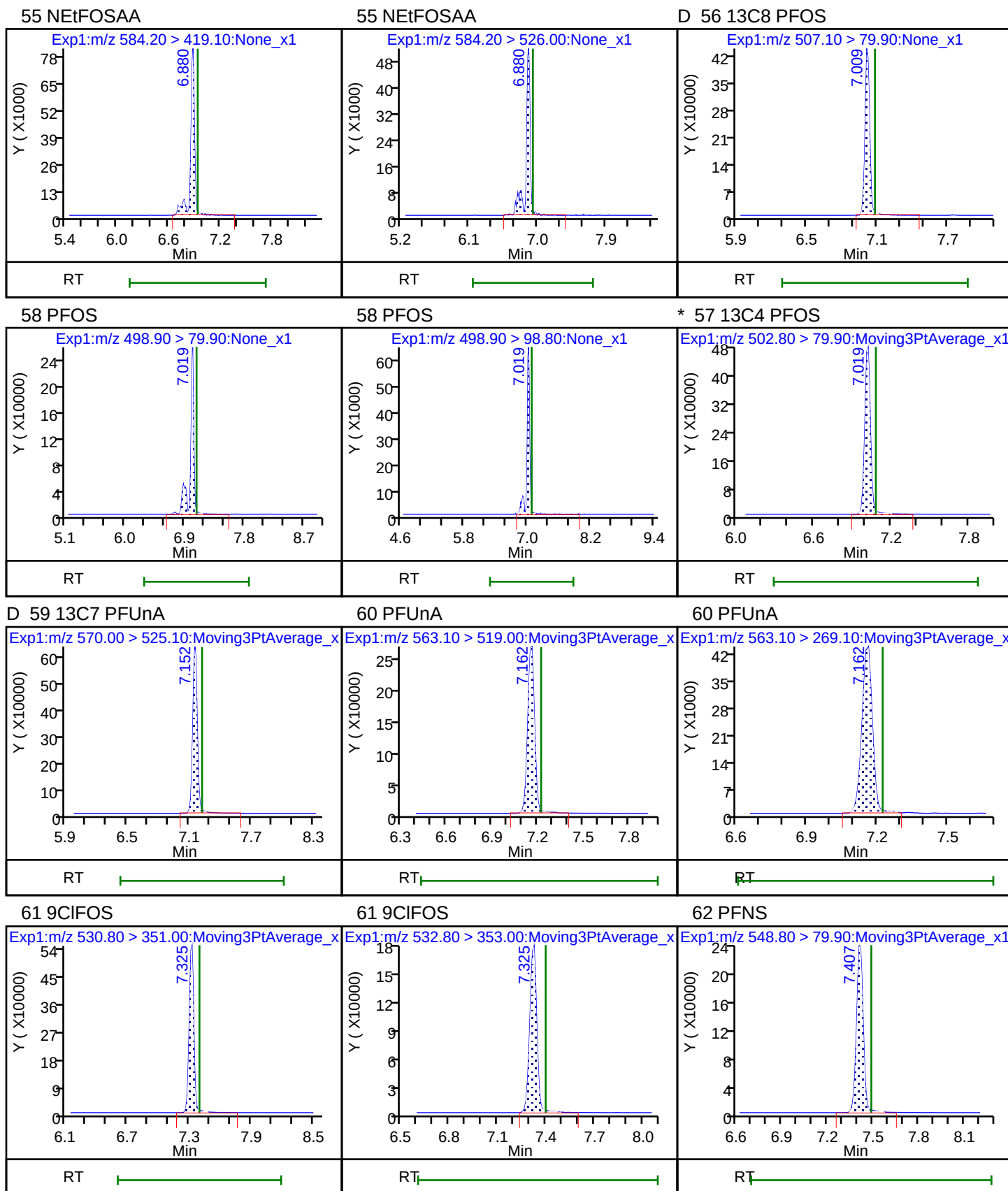


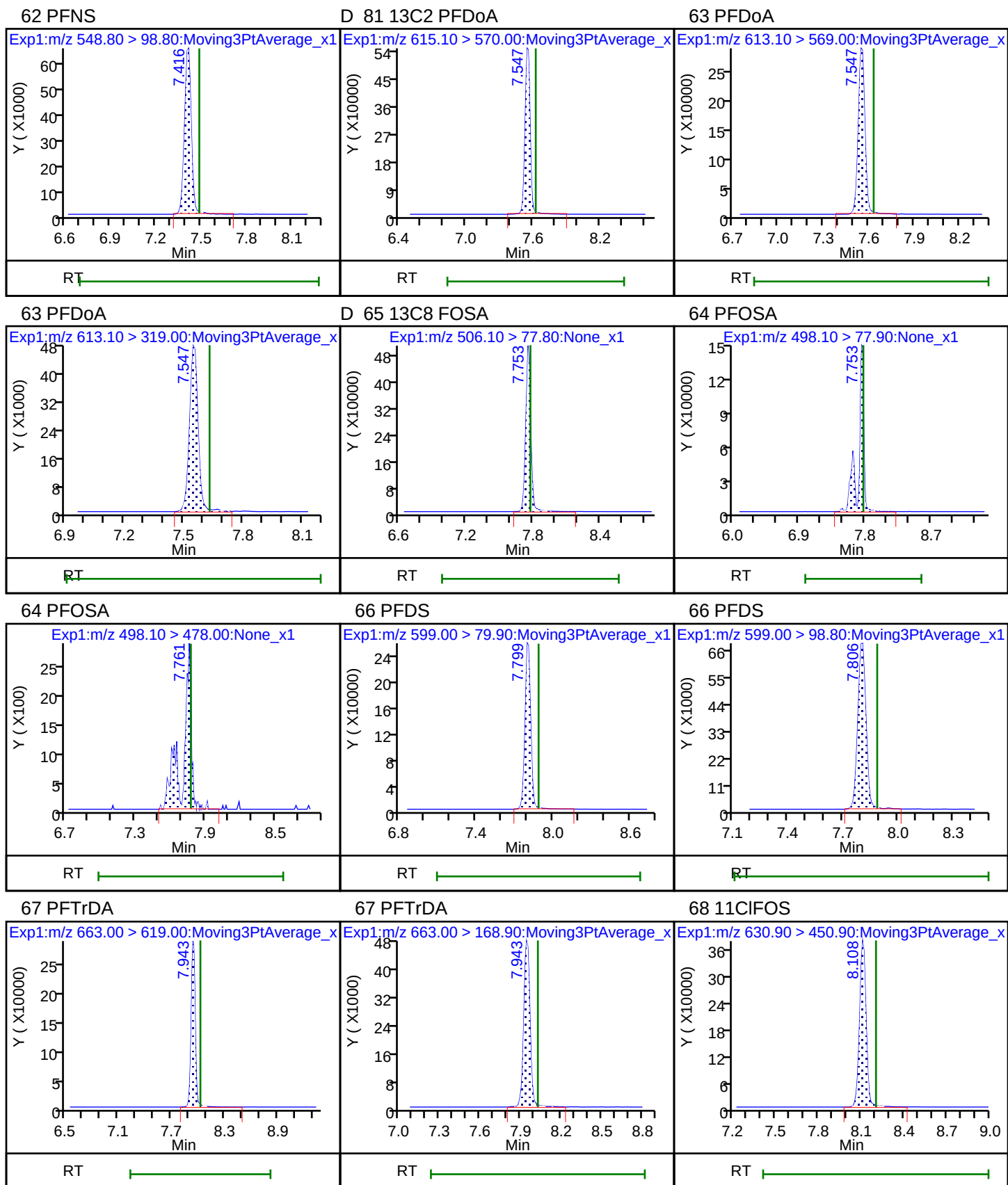
52 PFDA

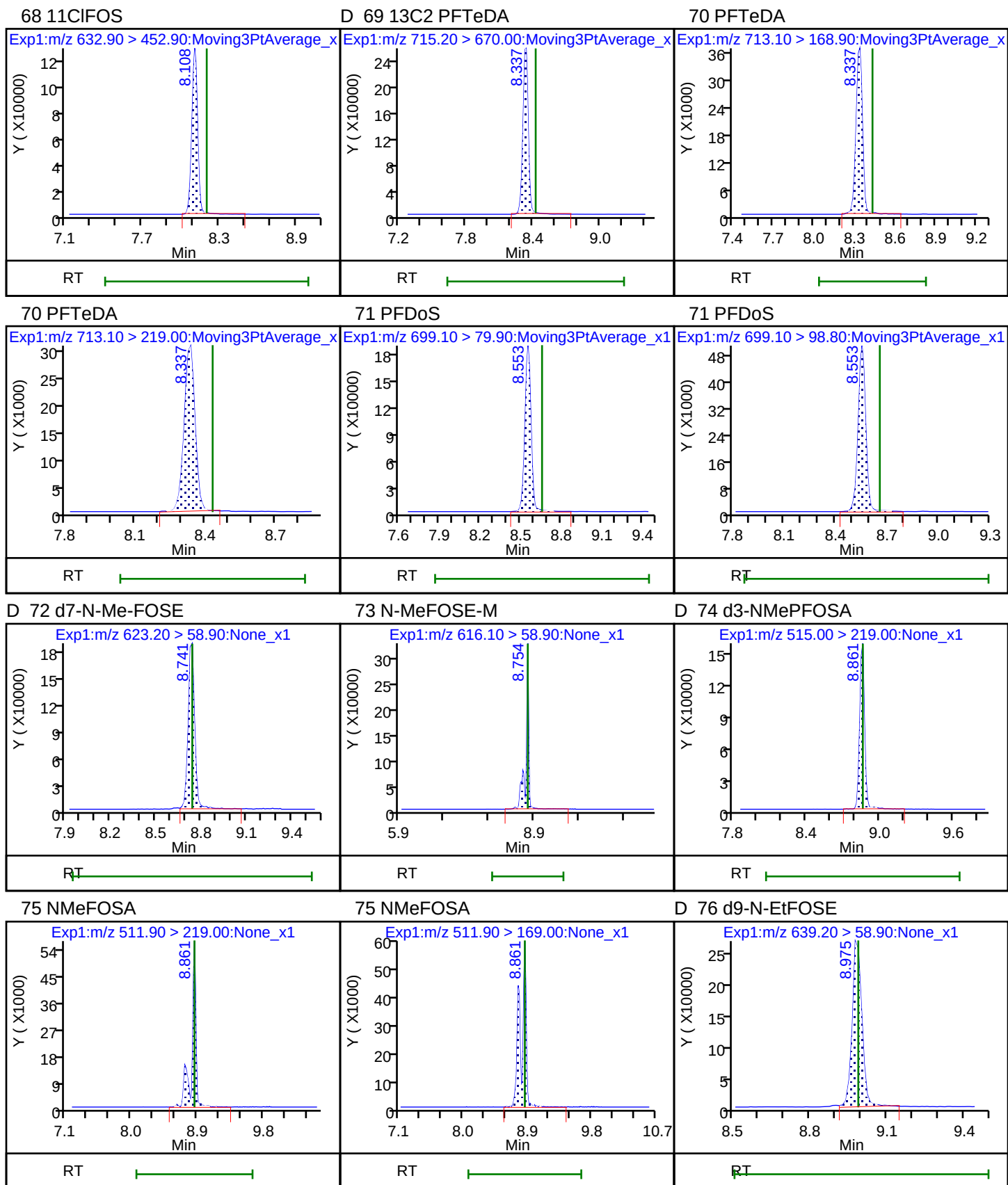


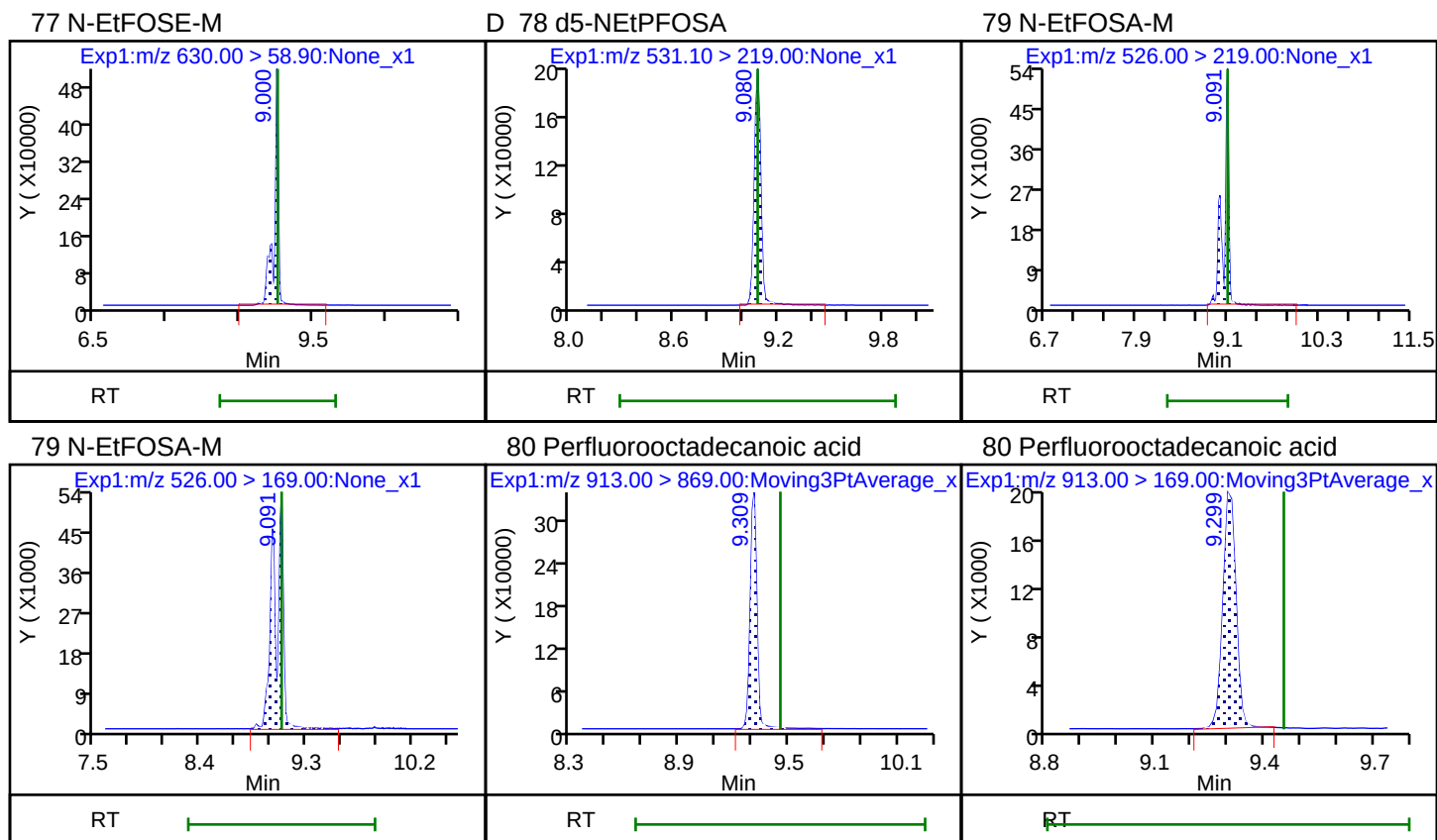
D 54 d5-NEtFOSAA











FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Lab Sample ID: CCV 410-737075/77

Calibration Date: 12/01/2025 22:34

Instrument ID: 30570

Calib Start Date: 11/29/2025 11:15

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 11/29/2025 12:50

Lab File ID: 25DEC01E-30.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoropropionic acid (PFPrA)	AveID	0.9875	0.9763		4.94	5.00	-1.0	30.0
Perfluorobutanoic acid	AveID	0.9142	0.9010		1.97	2.00	-1.0	30.0
Perfluoro-3-methoxypropanoic acid	AveID	1.295	1.249		0.965	1.00	-3.0	30.0
3-Perfluoropropylpropanoic acid (3:3 FTCA)	AveID	0.0611	0.0496		1.62	2.00	-19.0	30.0
Perfluoropentanoic acid	AveID	1.207	1.248		1.03	1.00	3.0	30.0
Perfluoro(4-methoxybutanoic acid)	AveID	1.723	1.698		0.985	1.00	-1.0	30.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	1.645	1.634		1.86	1.88	-1.0	30.0
Perfluoro-3,6-dioxahexanoic acid	AveID	0.1758	0.1792		1.02	1.00	2.0	30.0
Perfluorohexanoic acid	AveID	0.9656	0.9310		0.964	1.00	-4.0	30.0
3-Perfluoropentylpropanoic acid (5:3 FTCA)	AveID	0.1310	0.1001		3.82	5.00	-24.0	30.0
Perfluorobutanesulfonic acid	AveID	1.226	1.222		0.885	0.888	0.0	30.0
HFPO-DA	AveID	1.035	1.022		0.740	0.750	-1.0	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	1.033	0.8088		0.783	1.00	-22.0	30.0
PFEESA	AveID	2.916	2.919		0.893	0.892	0.0	30.0
Perfluoroheptanoic acid	AveID	0.9509	0.9625		1.01	1.00	1.0	30.0
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	AveID	3.296	3.241		0.930	0.946	-2.0	30.0
Perfluoropentanesulfonic acid	AveID	1.255	1.246		0.933	0.940	-1.0	30.0
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	AveID	1.881	1.834		1.86	1.90	-2.0	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	2.278	2.271		0.976	0.979	0.0	30.0
Perfluorooctanoic acid	L2ID		0.8145		1.00	1.00	0.0	30.0
7:3 FTCA	AveID	0.0692	0.0528		3.82	5.00	-24.0	30.0
Perfluorohexanesulfonic acid	L2ID		1.113		0.881	0.912	-3.0	30.0
Perfluorononanoic acid	AveID	0.9220	0.8660		0.939	1.00	-6.0	30.0
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	AveID	1.320	1.321		1.92	1.92	0.0	30.0
Perfluoro-4-ethylcyclohexane sulfonic acid (PFECHS)	AveID	0.3542	0.3413		0.890	0.924	-4.0	30.0
Perfluoroheptanesulfonic acid	AveID	1.230	1.199		0.930	0.954	-3.0	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	1.488	1.246		0.837	1.00	-16.0	30.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.9877	1.002		1.01	1.00	1.0	30.0
Perfluorodecanoic acid	AveID	1.000	0.9853		0.986	1.00	-1.0	30.0
NETFOSAA	AveID	0.7659	0.7952		1.04	1.00	4.0	30.0
Perfluorooctanesulfonic acid	AveID	1.535	1.479		0.897	0.930	-4.0	30.0
Perfluoroundecanoic acid	AveID	0.8783	0.8630		0.983	1.00	-2.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Lab Sample ID: CCV 410-737075/77

Calibration Date: 12/01/2025 22:34

Instrument ID: 30570

Calib Start Date: 11/29/2025 11:15

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 11/29/2025 12:50

Lab File ID: 25DEC01E-30.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
9-Chlorohexadecafluoro-3-oxa nonane-1-sulfonic acid	AveID	2.755	2.638		0.895	0.934	-4.0	30.0
Perfluorononanesulfonic acid	AveID	1.145	1.115		0.937	0.962	-3.0	30.0
Perfluorododecanoic acid	AveID	1.031	1.041		1.01	1.00	1.0	30.0
Perfluorooctanesulfonamide (PFOSA)	AveID	0.8957	0.8890		0.992	1.00	-1.0	30.0
Perfluorodecanesulfonic acid	AveID	1.228	1.195		0.938	0.964	-3.0	30.0
Perfluorotridecanoic acid	AveID	1.409	1.399		0.993	1.00	-1.0	30.0
11-Chloroeicosafuoro-3-oxau ndecane-1-sulfonic acid	AveID	1.924	1.879		0.922	0.944	-2.0	30.0
Perfluorotetradecanoic acid	AveID	0.2913	0.2932		1.01	1.00	1.0	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.9869	0.9458		0.930	0.970	-4.0	30.0
2- (N-methylperfluoro-1-octanes ulfonamido) ethanol	AveID	2.328	2.428		5.21	5.00	4.0	30.0
NMeFOSA	AveID	1.030	1.037		1.01	1.00	1.0	30.0
2- (N-ethylperfluoro-1-octanesu lfonamido) ethanol	AveID	2.840	2.922		5.15	5.00	3.0	30.0
N-ethylperfluoro-1-octanesul fonamide	AveID	0.9256	0.9085		0.982	1.00	-2.0	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	2.284	2.092		0.916	1.00	-8.0	30.0
13C3 PFPrA	Ave	0.8545	0.7163		1.68	2.00	-16.0	30.0
13C4 PFBA	Ave	1.161	1.120		1.93	2.00	-4.0	30.0
13C5 PFPeA	Ave	0.8217	0.7558		1.84	2.00	-8.0	30.0
13C2 4:2 FTS	Ave	0.2688	0.2682		4.68	4.69	0.0	30.0
13C5 PFHxA	Ave	1.134	1.083		1.91	2.00	-4.0	30.0
13C3 PFBS	Ave	1.385	1.333		1.79	1.86	-4.0	30.0
13C3 HFPO-DA	Ave	0.7791	0.7738		1.99	2.00	-1.0	30.0
13C4 PFHpA	Ave	0.9642	0.9226		1.91	2.00	-4.0	30.0
13C2 6:2 FTS	Ave	0.2032	0.2072		4.85	4.76	2.0	30.0
13C8 PFOA	Ave	1.033	1.035		2.00	2.00	0.0	30.0
13C3 PFHxS	Ave	1.017	0.9941		1.85	1.90	-2.0	30.0
13C9 PFNA	Ave	0.9623	0.9474		1.97	2.00	-2.0	30.0
M2-8:2 FTS	Ave	0.2535	0.2651		5.02	4.80	5.0	30.0
d3-NMeFOSAA	Ave	0.3888	0.3965		5.10	5.00	2.0	30.0
13C6 PFDA	Ave	1.014	0.997		1.97	2.00	-2.0	30.0
d5-NEtFOSAA	Ave	0.3899	0.3263		4.18	5.00	-16.0	30.0
13C8 PFOS	Ave	0.8819	0.8589		1.87	1.92	-3.0	30.0
13C7 PFUnA	Ave	1.153	1.103		1.91	2.00	-4.0	30.0
13C2 PFDoA	Ave	0.9721	0.9384		1.93	2.00	-3.0	30.0
13C8 FOSA	Ave	1.146	0.9824		1.71	2.00	-14.0	30.0
13C2 PFTeDA	Ave	0.4955	0.4571		1.85	2.00	-8.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Lab Sample ID: CCV 410-737075/77

Calibration Date: 12/01/2025 22:34

Instrument ID: 30570

Calib Start Date: 11/29/2025 11:15

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 11/29/2025 12:50

Lab File ID: 25DEC01E-30.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d7-N-MeFOSE-M	Ave	0.1589	0.1375		4.33	5.00	-13.0	30.0
d3-NMePFOSA	Ave	0.2779	0.2588		1.86	2.00	-7.0	30.0
d9-N-EtFOSE-M	Ave	0.1837	0.1659		4.51	5.00	-10.0	30.0
d5-NEtPFOSA	Ave	0.3346	0.3215		1.92	2.00	-4.0	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\25DEC01E-30.d
 Lims ID: CCV 4_CAL4
 Client ID:
 Sample Type: CCV
 Inject. Date: 01-Dec-2025 22:34:15 ALS Bottle#: 5 Worklist Smp#: 77
 Injection Vol: 7.0 ul Dil. Factor: 1.0000
 Sample Info: CCV 4_CAL4
 Misc. Info.: Plate: 1 Rack: 1 410-0168432-077
 Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570
 Sublist: chrom-30570-1633-125ml*sub7
 Method: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\30570-1633-125ml.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 02-Dec-2025 07:42:08 Calib Date: 29-Nov-2025 12:50:55
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-08.d

Column 1 : Det: EXP1
 Process Host: CTX1649

First Level Reviewer: VGQ7 Date: 02-Dec-2025 06:51:27

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	1.960	1.973	-0.013	0.479	1034090	1.68		83.8	51888	
2 Perfluoropropionic acid										
163.00 > 119.00	1.960	1.985	-0.025	1.000	2523994	4.94		98.9	16825	
5 PFBA										
212.80 > 168.90	4.089	4.109	-0.020	0.998	1456726	1.97		98.6	17528	
D 3 13C4-PFBA										
216.80 > 171.90	4.096	4.109	-0.013	1.000	1616707	1.93		96.4	5096	
* 4 13C3PFBA										
216.00 > 172.00	4.096	4.109	-0.013		1443573	2.00			977	
6 PFMPA										
229.00 > 84.90	4.406	4.424	-0.018	0.931	786506	0.9651		96.5	3605	
7 3:3 FTCA										
241.00 > 177.00	4.424	4.433	-0.009	0.934	62504	1.62	Target=1.35	81.2	1123	
241.00 > 117.00	4.415	4.433	-0.018	0.933	48721		1.28(0.68-2.03)		338	
D 8 13C5 PFPeA										
268.30 > 223.00	4.734	4.755	-0.021	0.912	1258939	1.84		92.0	3199	
9 PFPA										
263.00 > 219.00	4.734	4.765	-0.031	1.000	785775	1.03		103	737	
10 PFMBA										
279.00 > 85.10	4.889	4.915	-0.026	1.033	1068603	0.9851		98.5	4805	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.008	5.036	-0.028	0.806	851634	4.68		99.8	4869	
11 4:2FTS										
327.10 > 307.00	5.008	5.036	-0.028	1.000	556460	1.86	Target=1.50	99.3	3149	
327.10 > 80.90	5.008	5.036	-0.028	1.000	359856		1.55(0.75-2.25)		437	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.152	5.181	-0.029	0.993	161683	1.02	Target=1.60	102	1363	
295.00 > 84.90	5.152	5.181	-0.029	0.993	111410		1.45(0.80-2.41)		785	
* 16 13C2 PFHxA										
315.10 > 270.00	5.190	5.219	-0.029		4164149	5.00			5348	
D 15 13C5 PFHxA										
318.00 > 273.00	5.190	5.219	-0.029	1.000	1804114	1.91		95.5	10885	
17 PFHxA										
313.00 > 269.00	5.190	5.228	-0.038	1.000	839801	0.9641	Target=10.68	96.4	1326	
313.00 > 118.90	5.190	5.228	-0.038	1.000	79771		10.53(5.34-16.01)		514	
18 5:3 FTCA										
341.00 > 237.10	5.267	5.297	-0.030	1.015	451683	3.82	Target=0.91	76.4	1944	
341.00 > 217.00	5.267	5.297	-0.030	1.015	505154		0.89(0.46-1.37)		2304	
19 PFBS										
298.70 > 79.90	5.328	5.362	-0.034	1.000	979705	0.8849	Target=2.86	99.7	3076	
298.70 > 98.80	5.328	5.362	-0.034	1.000	338768		2.89(1.43-4.30)		1756	
D 20 13C3 PFBS										
302.10 > 79.90	5.328	5.362	-0.034	0.857	1682945	1.79		96.3	5547	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.373	5.406	-0.033	1.035	1288866	1.99		99.3	4995	
21 HFPO-DA										
284.90 > 168.90	5.373	5.406	-0.033	1.000	493757	0.7401	Target=2.59	98.7	1703	
284.90 > 184.90	5.373	5.406	-0.033	1.000	179784		2.75(1.30-3.89)		909	
23 FBSA										
297.90 > 78.00	5.395	5.427	-0.032	1.012	730250	0.7830		78.3	1657	
26 PFEESA										
314.80 > 134.90	5.555	5.599	-0.044	1.070	2348674	0.8929	Target=12.75	100	9107	
314.80 > 82.90	5.555	5.599	-0.044	1.070	187347		12.54(6.37-19.12)		1288	
28 PFHpA										
363.10 > 319.00	5.610	5.642	-0.032	1.002	739554	1.01	Target=2.26	101	1279	
363.10 > 169.00	5.610	5.642	-0.032	1.002	319299		2.32(1.13-3.39)		1091	
D 27 13C4 PFHpA										
367.10 > 322.00	5.599	5.642	-0.043	1.079	1536795	1.91		95.7	4255	
29 ADONA										
376.90 > 250.90	5.754	5.799	-0.045	1.071	1975749	0.9302	Target=1.92	98.3	5304	
376.90 > 84.80	5.754	5.799	-0.045	1.071	1033236		1.91(0.96-2.88)		3813	
31 6:2FTS										
427.10 > 407.00	5.799	5.845	-0.046	1.000	490003	1.86	Target=1.68	97.5	127	
427.10 > 80.90	5.799	5.845	-0.046	1.000	284409		1.72(0.84-2.52)		155	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.799	5.845	-0.046	0.933	667878	4.85		102	2210	
30 PFPeS										
349.10 > 79.90	5.787	5.845	-0.058	0.931	788268	0.9332	Target=3.26	99.3	1999	
349.10 > 98.90	5.787	5.845	-0.058	0.931	230023		3.43(1.63-4.89)		1076	
33 BTS										
280.00 > 147.00	5.948	6.007	-0.059	0.957	1496305	0.9758		99.7	2629	
* 35 13C4 PFOA										
417.10 > 372.00	5.997	6.038	-0.041		4845017	5.00			42177	

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	5.997	6.048	-0.051	1.000	2005585	2.00		100	2172	
36 PFOA										
413.00 > 369.00	5.997	6.048	-0.051	1.000	816757	1.00	Target=2.08	100.0	907	
413.00 > 169.00	5.997	6.048	-0.051	1.000	374359		2.18(1.04-3.13)		632	
37 7:3 FTCA										
441.00 > 316.90	6.067	6.102	-0.035	1.169	238218	3.82	Target=0.45	76.3	1063	
441.00 > 336.90	6.067	6.102	-0.035	1.169	534100		0.45(0.23-0.68)		1479	
D 39 13C3 PFHxS										
402.10 > 79.90	6.214	6.268	-0.054	1.000	1276293	1.85		97.8	2384	
* 38 18O2 PFHxS										
403.00 > 83.90	6.214	6.268	-0.054		1283811	1.90			6730	
40 PFHxS										
398.70 > 79.90	6.214	6.277	-0.063	1.000	683162	0.8808	Target=3.32	96.6	697	
398.70 > 98.90	6.214	6.277	-0.063	1.000	207226		3.30(1.66-4.97)		586	
D 42 13C9 PFNA										
472.10 > 427.00	6.379	6.430	-0.051	1.000	1843760	1.97		98.5	2092	
43 PFNA										
463.00 > 419.00	6.379	6.430	-0.051	1.000	798383	0.9393	Target=2.36	93.9	1295	
463.00 > 219.00	6.379	6.430	-0.051	1.000	328465		2.43(1.18-3.54)		578	
* 41 13C5 PFNA										
468.00 > 423.00	6.379	6.430	-0.051		1946076	2.00			6641	
44 8:2FTS										
527.10 > 507.00	6.548	6.610	-0.062	1.000	455324	1.92	Target=1.32	100	698	
527.10 > 80.80	6.548	6.610	-0.062	1.000	351778		1.29(0.66-1.99)		2312	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.548	6.610	-0.062	1.054	861487	5.02		105	1918	
46 PFECHS										
461.00 > 381.00	6.579	6.641	-0.062	1.059	212272	0.8904	Target=0.28	96.4	858	
461.00 > 99.00	6.579	6.641	-0.062	1.059	744758		0.29(0.14-0.42)		1747	
47 PFHpS										
449.00 > 79.90	6.610	6.673	-0.063	0.943	773922	0.9301	Target=3.76	97.5	3345	
449.00 > 98.80	6.610	6.673	-0.063	0.943	212645		3.64(1.88-5.64)		652	
53 FHxSA										
397.90 > 78.00	6.651	6.683	-0.032	1.070	838616	0.8373		83.7	1853	
49 NMeFOSAA										
570.10 > 419.00	6.704	6.763	-0.059	1.002	312947	1.01	Target=1.91	101	498	
570.10 > 483.00	6.704	6.763	-0.059	1.002	170989		1.83(0.96-2.87)		470	
D 48 d3-NMeFOSAA										
573.20 > 419.00	6.694	6.763	-0.069	0.955	1561536	5.10		102	1164	
* 50 13C2 PFDA										
515.10 > 470.10	6.763	6.823	-0.060		1713492	2.00			5725	
D 51 13C6 PFDA										
519.10 > 474.10	6.763	6.823	-0.060	1.000	1708497	1.97		98.3	5594	
52 PFDA										
512.90 > 469.00	6.763	6.823	-0.060	1.000	841675	0.9856	Target=4.25	98.6	2125	
512.90 > 219.00	6.763	6.823	-0.060	1.000	195291		4.31(2.12-6.37)		629	

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	6.870	6.927	-0.057	0.980	1285031	4.18		83.7	1471	
55 NEtFOSAA										
584.20 > 419.10	6.870	6.936	-0.066	1.000	204377	1.04	Target=1.44	104	616	
584.20 > 526.00	6.870	6.936	-0.066	1.000	143275		1.43(0.72-2.15)		357	
D 56 13C8 PFOS										
507.10 > 79.90	7.009	7.080	-0.071	1.000	1296326	1.87		97.4	1623	
58 PFOS										
498.90 > 79.90	7.009	7.080	-0.071	1.000	930876	0.8965	Target=4.40	96.4	2104	
498.90 > 98.80	7.009	7.080	-0.071	1.000	218185		4.27(2.20-6.60)		670	
* 57 13C4 PFOS										
502.80 > 79.90	7.009	7.080	-0.071		1509315	1.92			7881	
D 59 13C7 PFUnA										
570.00 > 525.10	7.151	7.223	-0.072	1.057	1889334	1.91		95.7	6819	
60 PFUnA										
563.10 > 519.00	7.151	7.223	-0.072	1.000	815206	0.9826	Target=6.12	98.3	4523	
563.10 > 269.10	7.151	7.223	-0.072	1.000	131960		6.18(3.06-9.18)		901	
61 9ClFOS										
530.80 > 351.00	7.313	7.397	-0.084	1.043	1667252	0.8945	Target=3.14	95.8	3570	
532.80 > 353.00	7.313	7.397	-0.084	1.043	547276		3.05(1.57-4.71)		1557	
62 PFNS										
548.80 > 79.90	7.406	7.488	-0.082	1.057	726003	0.9371	Target=3.48	97.4	2612	
548.80 > 98.80	7.406	7.488	-0.082	1.057	213121		3.41(1.74-5.23)		1801	
D 81 13C2 PFDaA										
615.10 > 570.00	7.546	7.624	-0.078	1.116	1608001	1.93		96.5	1311	
63 PFDaA										
613.10 > 569.00	7.546	7.631	-0.085		836988	1.01	Target=6.22	101	2049	
613.10 > 319.00	7.546	7.631	-0.085		135744		6.17(3.11-9.33)		1397	
D 65 13C8 FOSA										
506.10 > 77.80	7.760	7.776	-0.016	1.107	1547834	1.71		85.7	2709	
64 PFOSA										
498.10 > 77.90	7.760	7.776	-0.016	1.000	688010	0.99	Target=53.04	99.2	1600	M
498.10 > 478.00	7.752	7.776	-0.024	0.999	12381		55.57(26.52-79.56)		30.1	M
66 PFDS										
599.00 > 79.90	7.798	7.887	-0.089	1.113	779371	0.9383	Target=3.66	97.3	1552	
599.00 > 98.80	7.798	7.887	-0.089	1.113	216418		3.60(1.83-5.49)		1118	
67 PFTTrDA										
663.00 > 619.00	7.942	8.027	-0.085	0.954	836280	0.99	Target=5.85	99.3	2322	
663.00 > 168.90	7.942	8.027	-0.085	0.954	143357		5.83(2.93-8.78)		955	
68 11ClFOS										
630.90 > 450.90	8.099	8.203	-0.104	1.156	1200040	0.9221	Target=3.12	97.7	6025	
632.90 > 452.90	8.099	8.203	-0.104	1.156	380783		3.15(1.56-4.68)		1844	
D 69 13C2 PFTeDA										
715.20 > 670.00	8.327	8.423	-0.096	1.231	783260	1.85		92.3	1775	
70 PFTeDA										
713.10 > 168.90	8.327	8.432	-0.105	1.000	114817	1.01	Target=1.15	101	1261	
713.10 > 219.00	8.327	8.432	-0.105	1.000	94243		1.22(0.58-1.73)		1334	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
71 PFDoS										
699.10 > 79.90	8.543	8.658	-0.115	1.219	620742	0.9297	Target=4.11	95.8	2615	
699.10 > 98.80	8.543	8.658	-0.115	1.219	152107		4.08(2.05-6.16)		2014	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.741	8.741	0.0	1.247	541595	4.33		86.5	395	
73 N-MeFOSE-M										
616.10 > 58.90	8.741	8.754	-0.013	1.000	1314748	5.21		104	912	
D 74 d3-NMePFOSA										
515.00 > 219.00	8.848	8.861	-0.013	1.262	407752	1.86		93.1	1378	
75 NMeFOSA										
511.90 > 219.00	8.861	8.861	0.0	1.001	211425	1.01	Target=0.69	101	1239	
511.90 > 169.00	8.861	8.861	0.0	1.001	304885		0.69(0.35-1.04)		766	
D 76 d9-N-EtFOSE										
639.20 > 58.90	8.975	8.987	-0.012	1.281	653249	4.51		90.3	373	
77 N-EtFOSE-M										
630.00 > 58.90	9.000	9.011	-0.011	1.003	1909020	5.15		103	2538	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.068	9.079	-0.011	1.294	506508	1.92		96.1	1404	
79 N-EtFOSA-M										
526.00 > 219.00	9.079	9.091	-0.012	1.001	230089	0.9815	Target=0.81	98.2	1247	
526.00 > 169.00	9.079	9.091	-0.012	1.001	282355		0.81(0.41-1.22)		775	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.288	9.453	-0.165	1.115	819356	0.9160	Target=18.31	91.6	6317	
913.00 > 169.00	9.288	9.453	-0.165	1.115	44017		18.61(9.15-27.46)		1230	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_CAL4_00069

Amount Added: 1.00

Units: mL

Data File: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\25DEC01E-30.d

Injection Date: 01-Dec-2025 22:34:15

Instrument ID: 30570

Lims ID: CCV 4_CAL4

Client ID:

Operator ID: ETUS023_USR_INS00003

ALS Bottle#: 5

Worklist Smp#: 77

Injection Vol: 7.0 ul

Dil. Factor: 1.0000

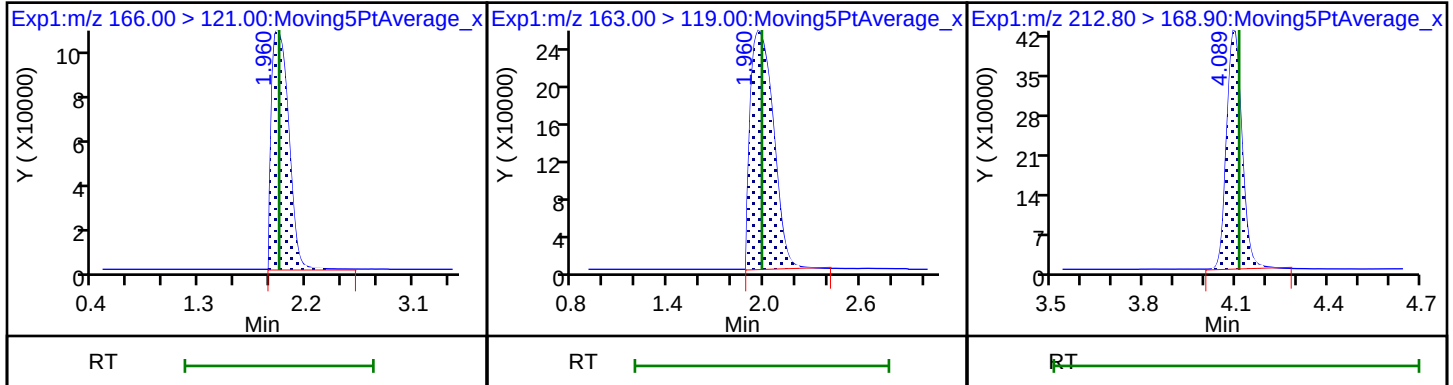
Method: 30570-1633-125ml

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid

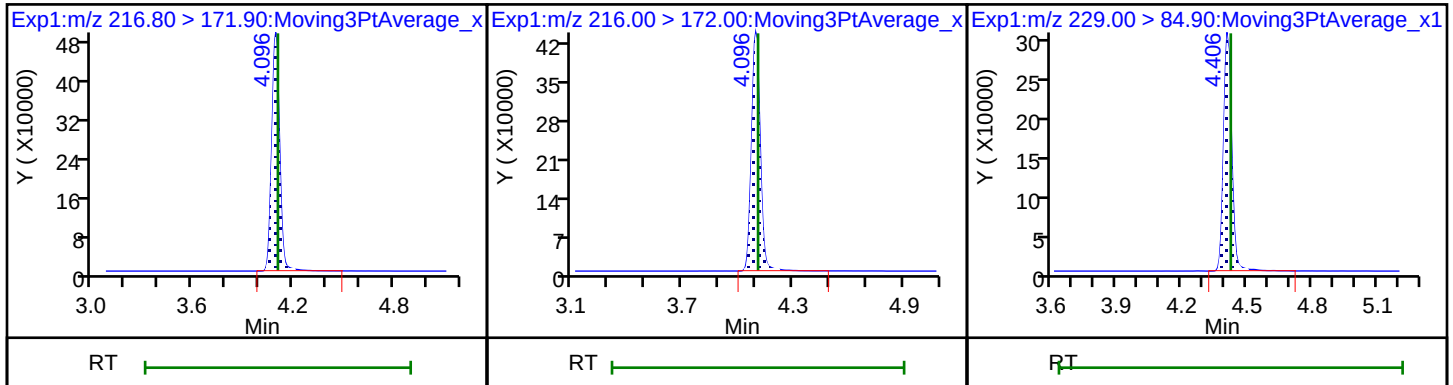
5 PFBA



D 3 13C4-PFBA

* 4 13C3PFBA

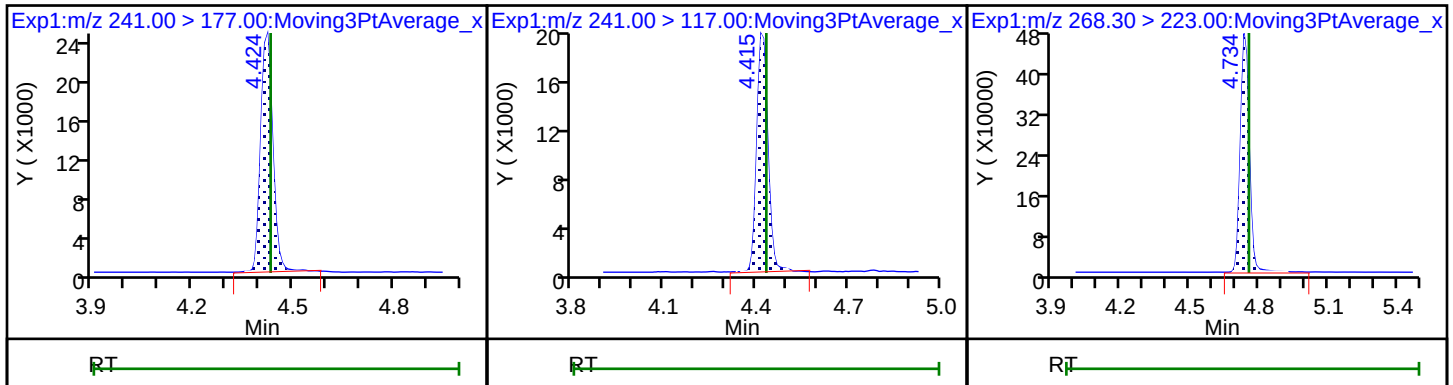
6 PFMPA



7 3:3 FTCA

7 3:3 FTCA

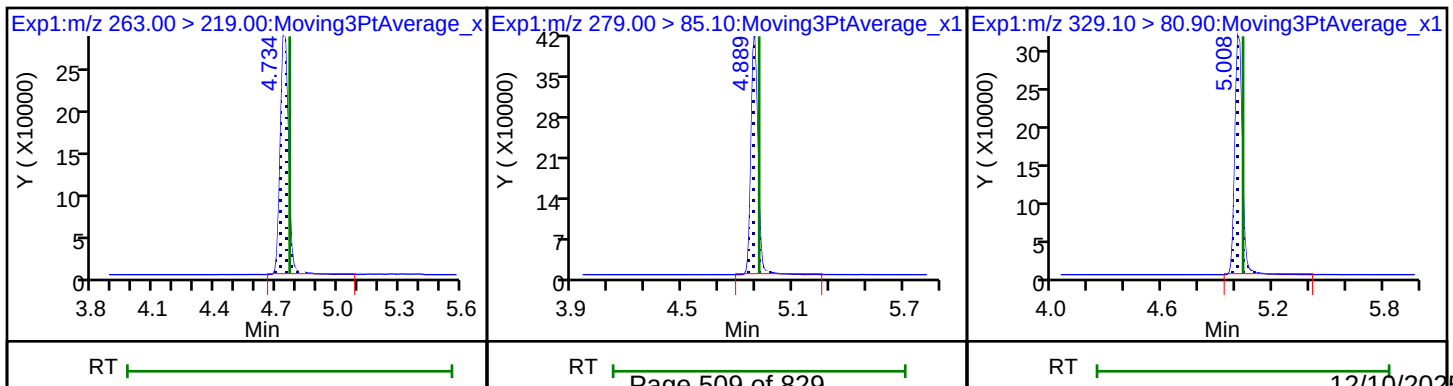
D 8 13C5 PFPeA

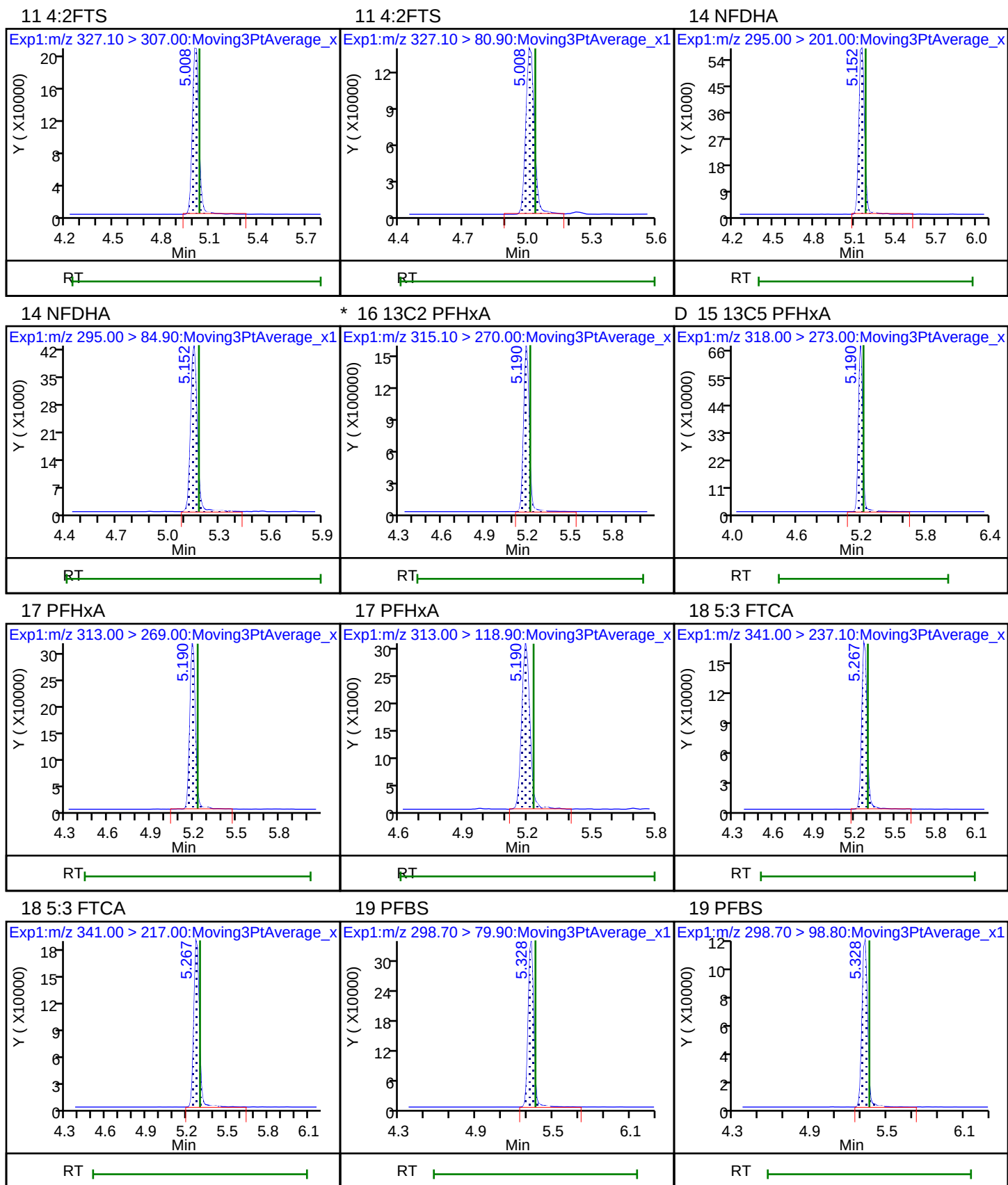


9 PFPA

10 PFMB A

D 13 13C2-4:2FTS

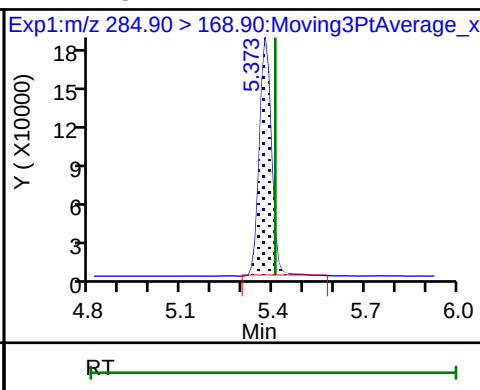
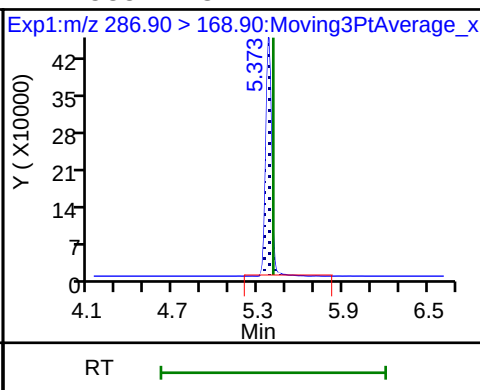
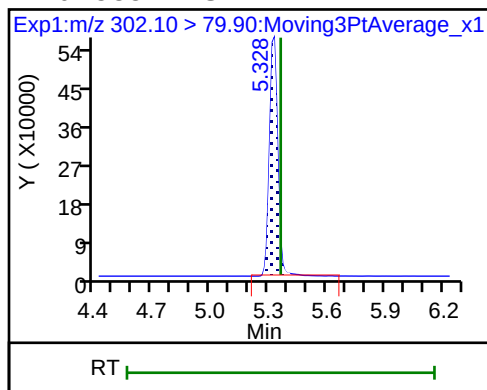




D 20 13C3 PFBS

D 22 13C3 HFPO-DA

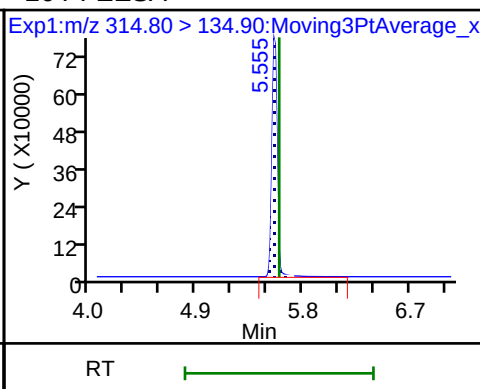
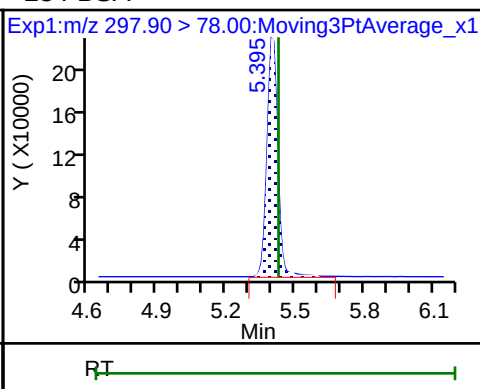
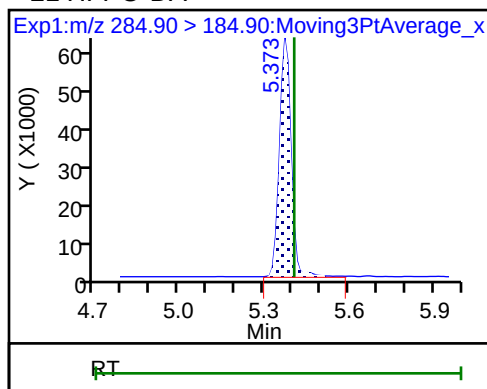
21 HFPO-DA



21 HFPO-DA

23 FBSA

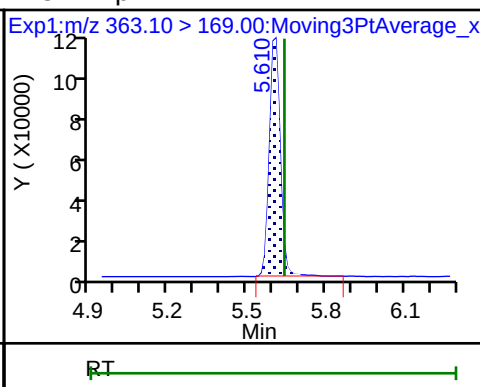
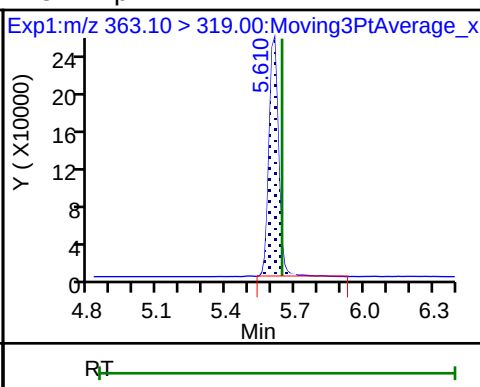
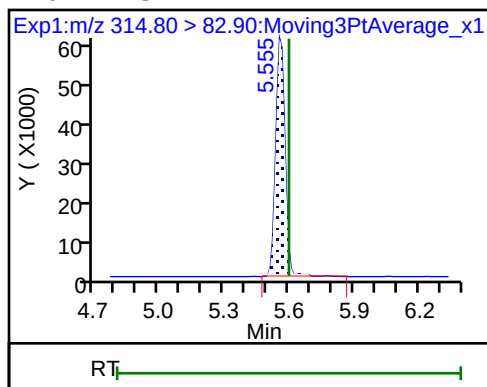
26 PFEESA



26 PFEESA

28 PFHpA

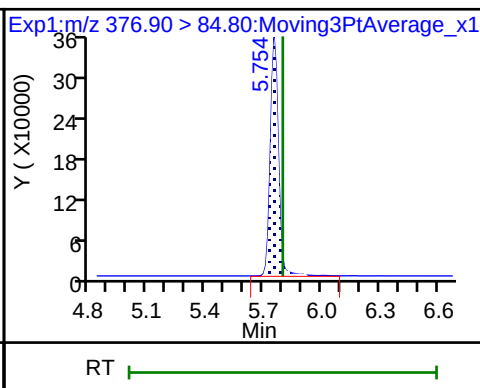
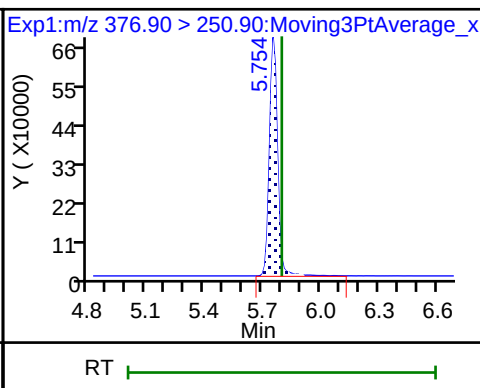
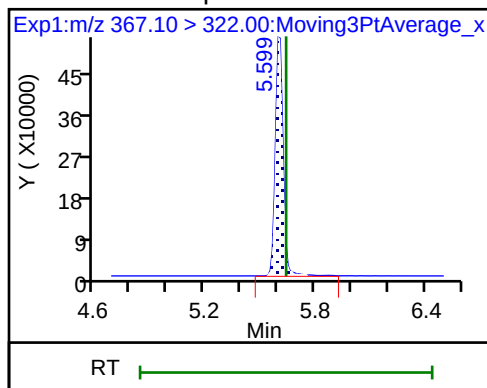
28 PFHpA

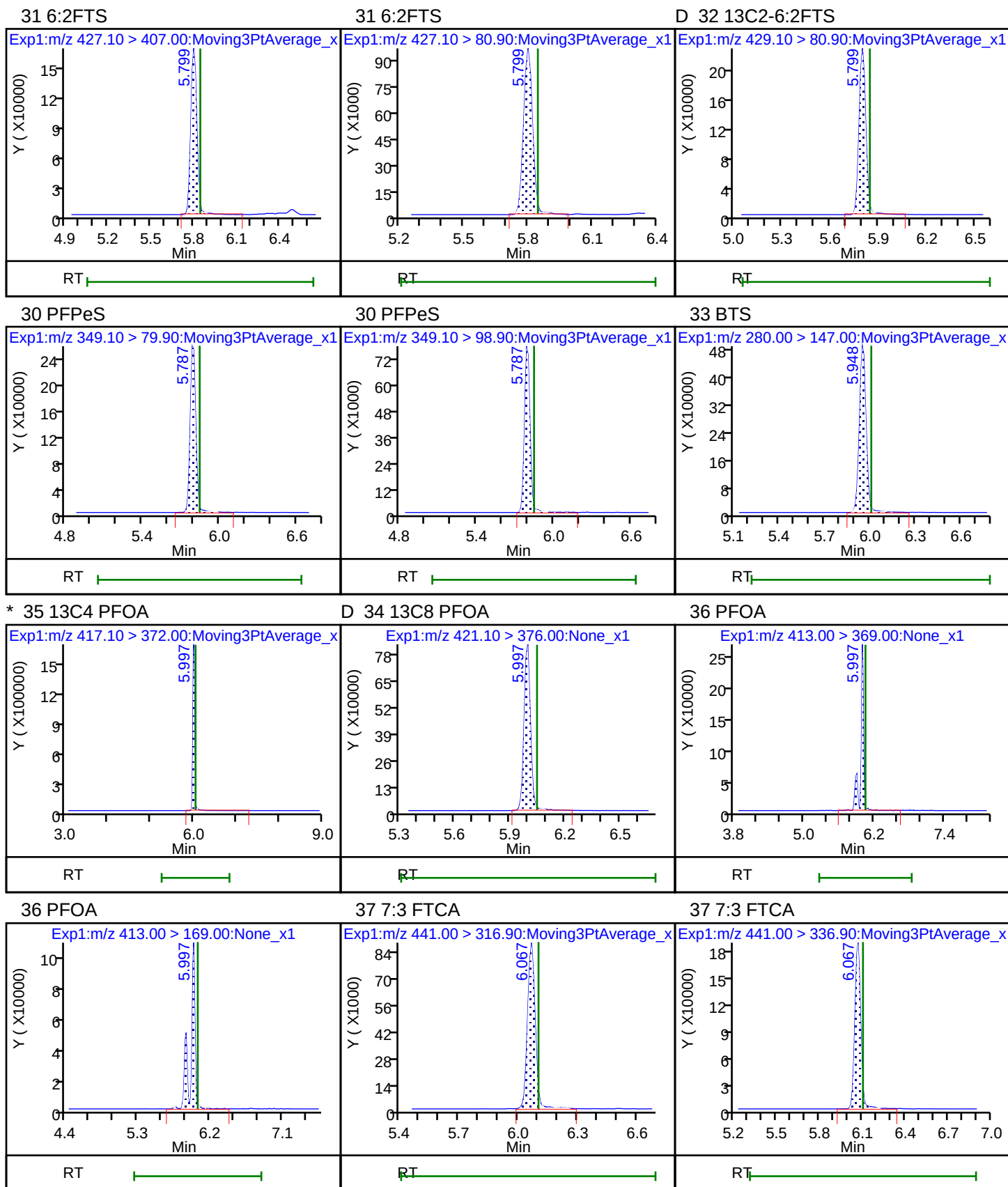


D 27 13C4 PFHpA

29 ADONA

29 ADONA

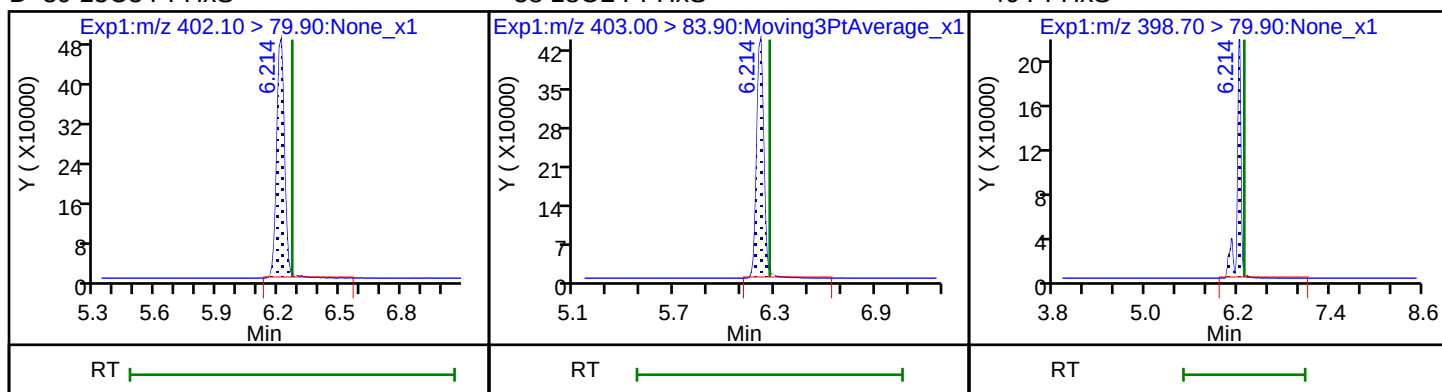




D 39 13C3 PFHxS

* 38 18O2 PFHxS

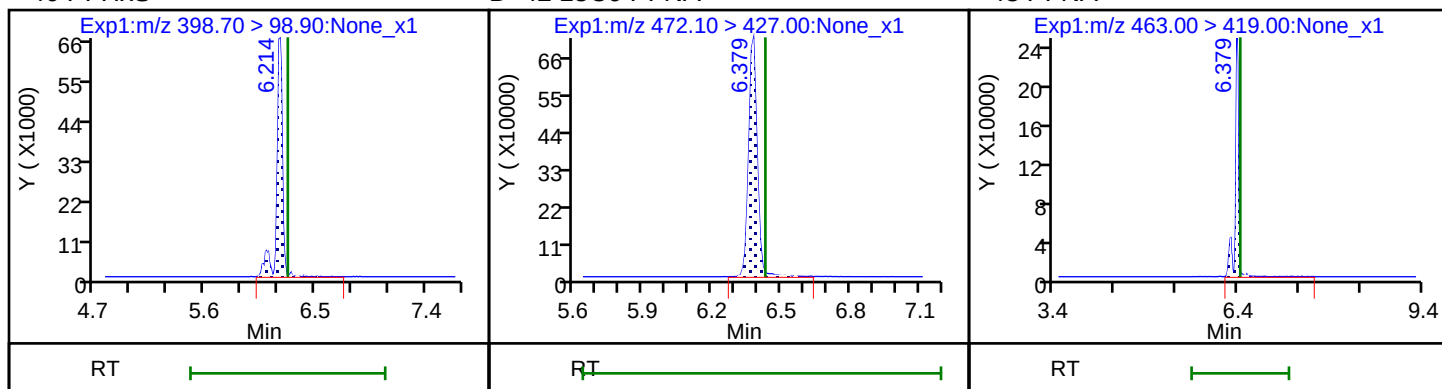
40 PFHxS



40 PFHxS

D 42 13C9 PFNA

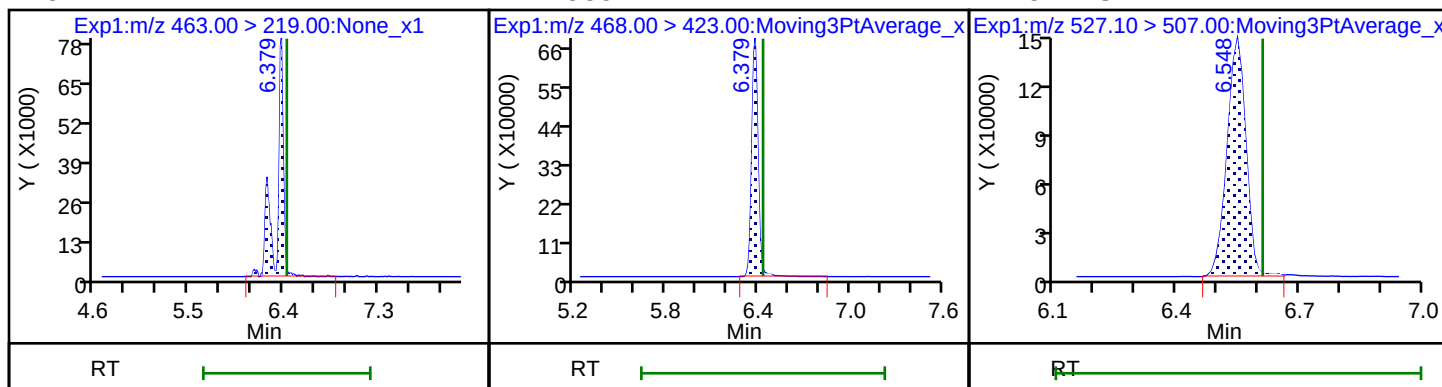
43 PFNA



43 PFNA

* 41 13C5 PFNA

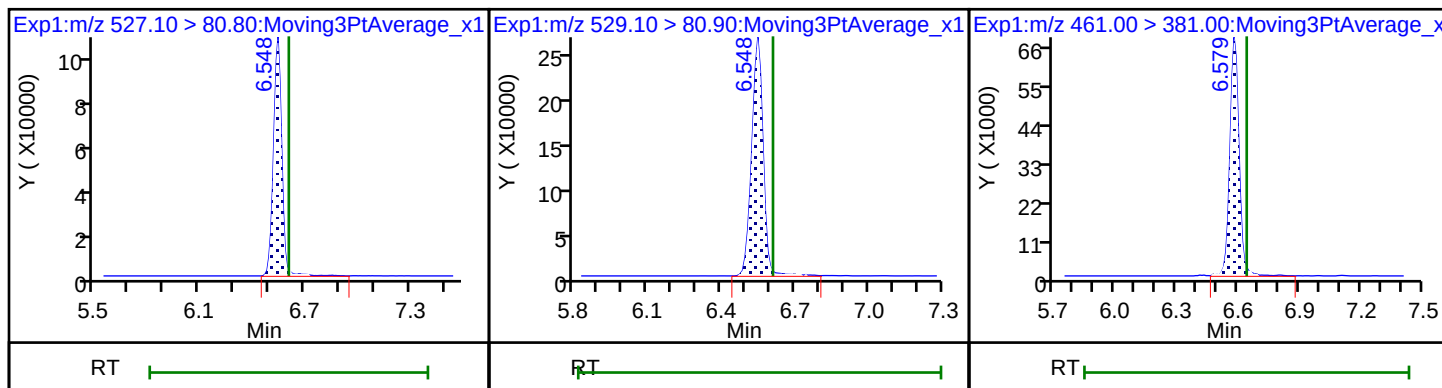
44 8:2FTS

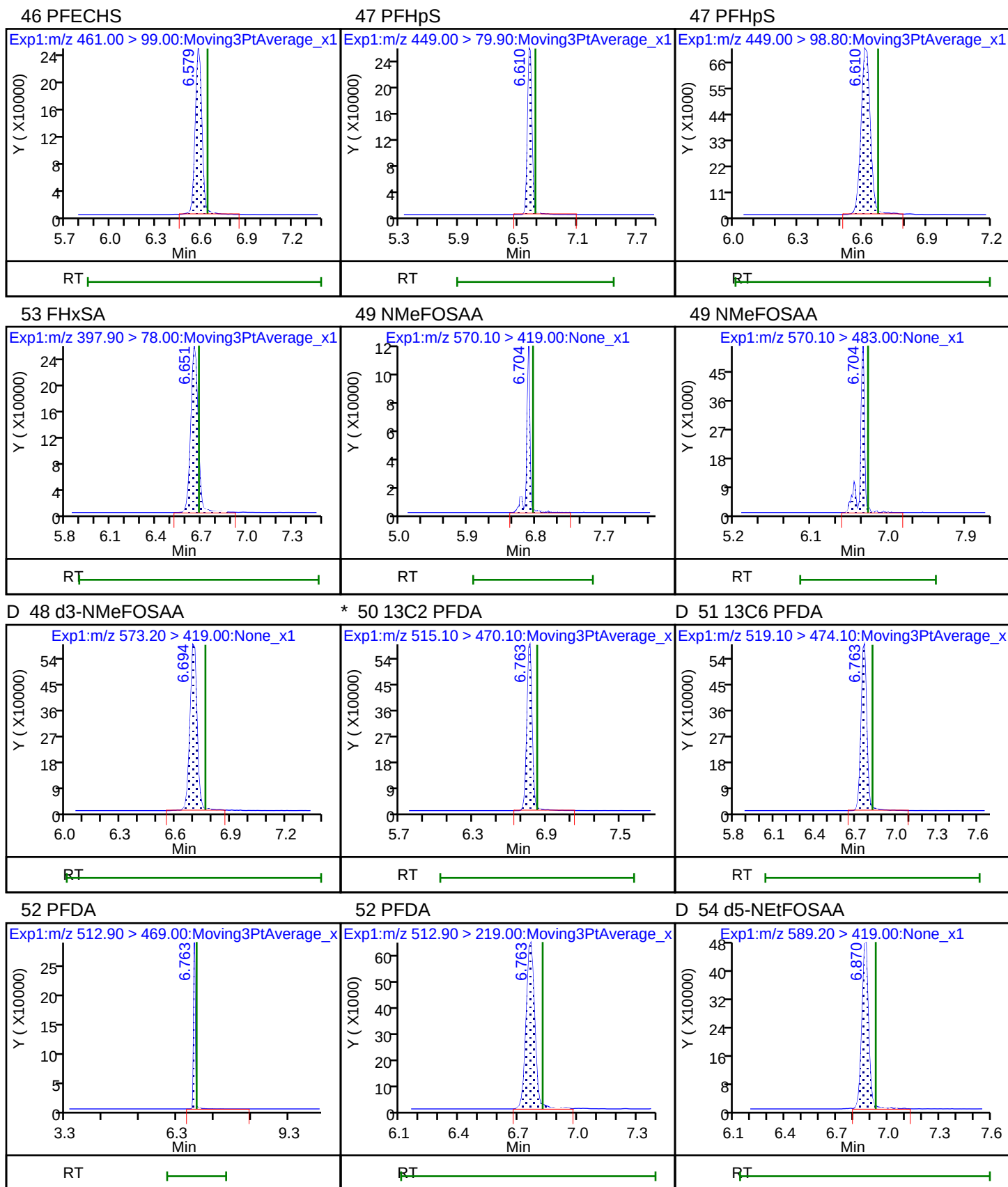


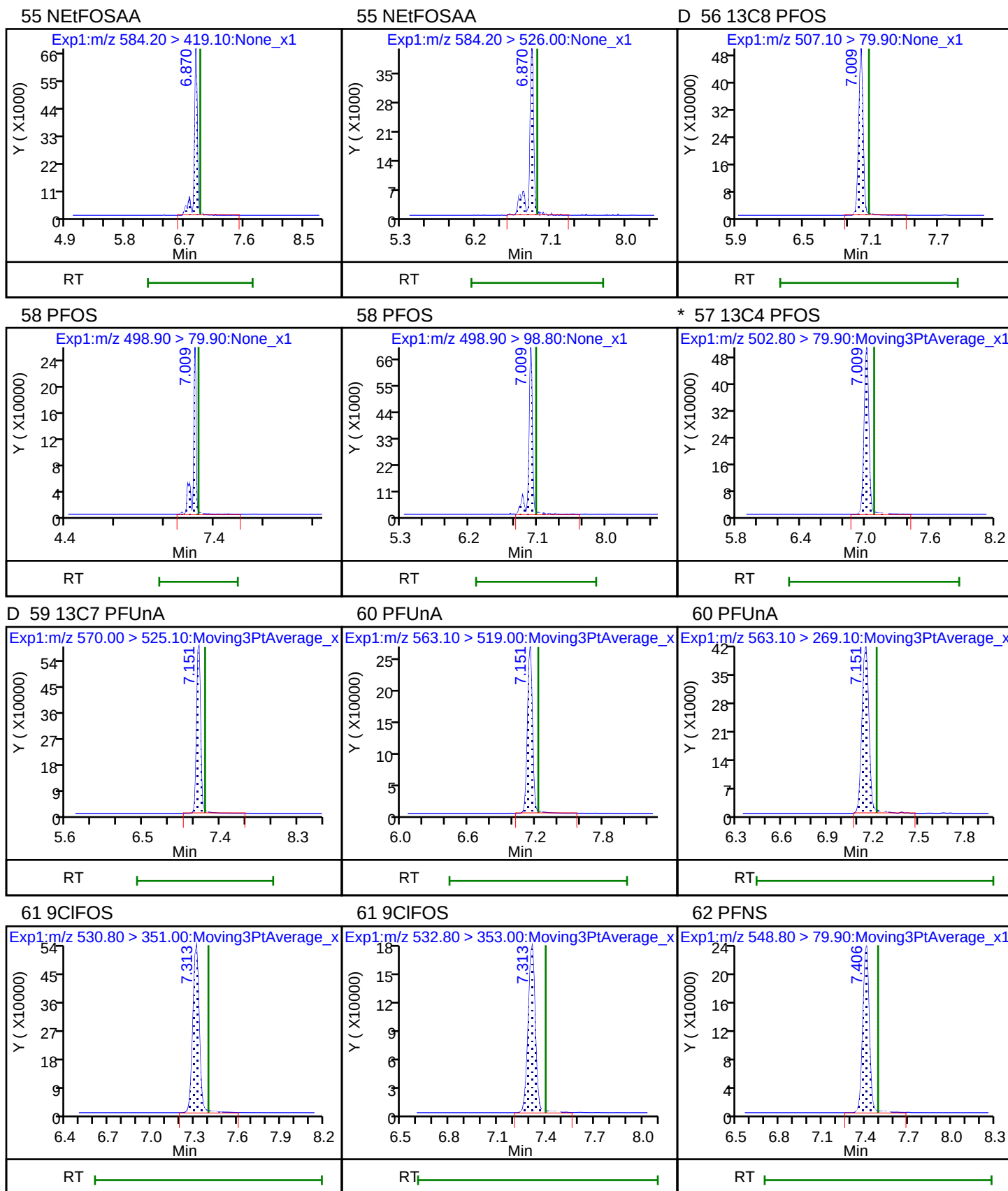
44 8:2FTS

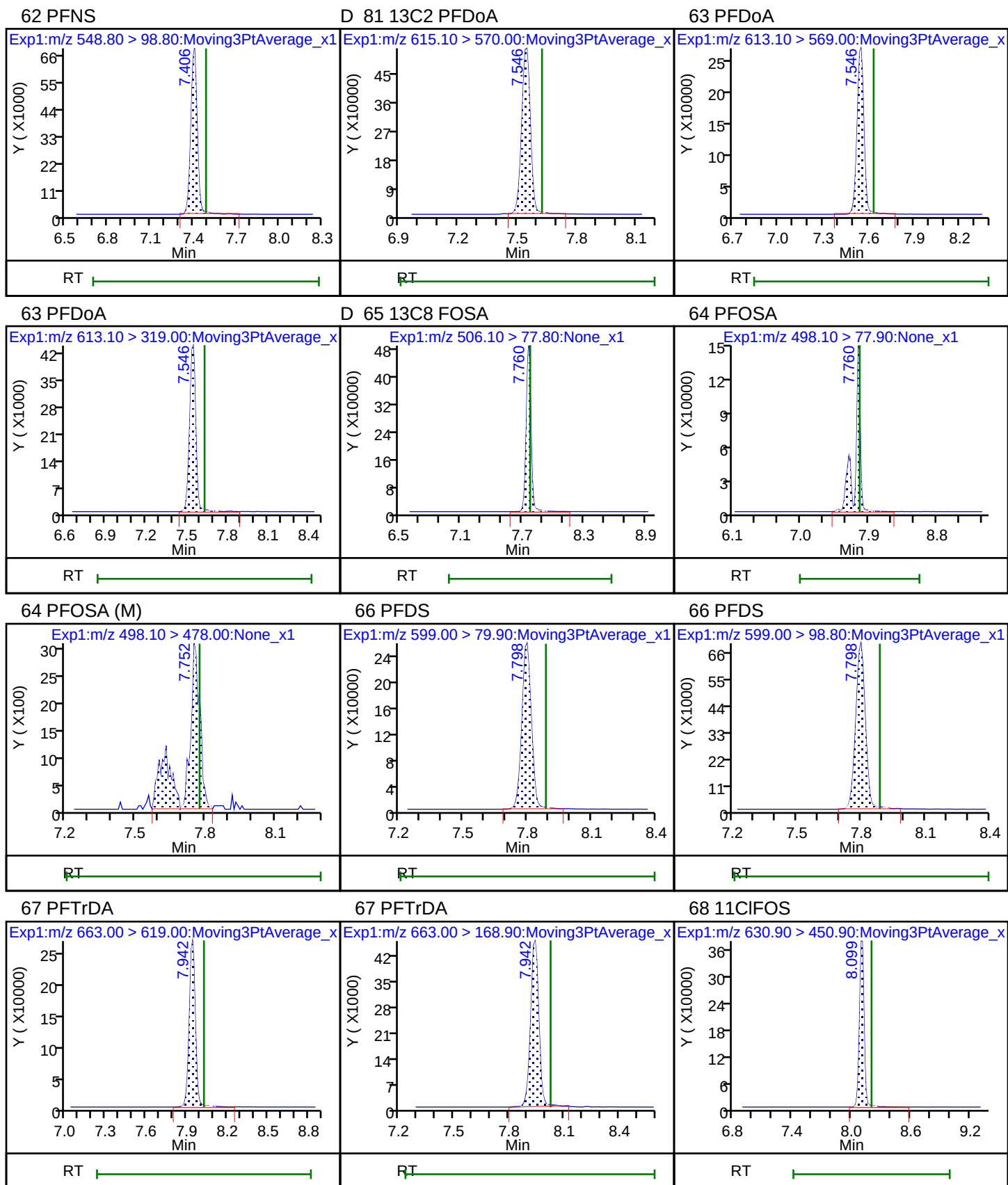
D 45 13C2-8:2FTS

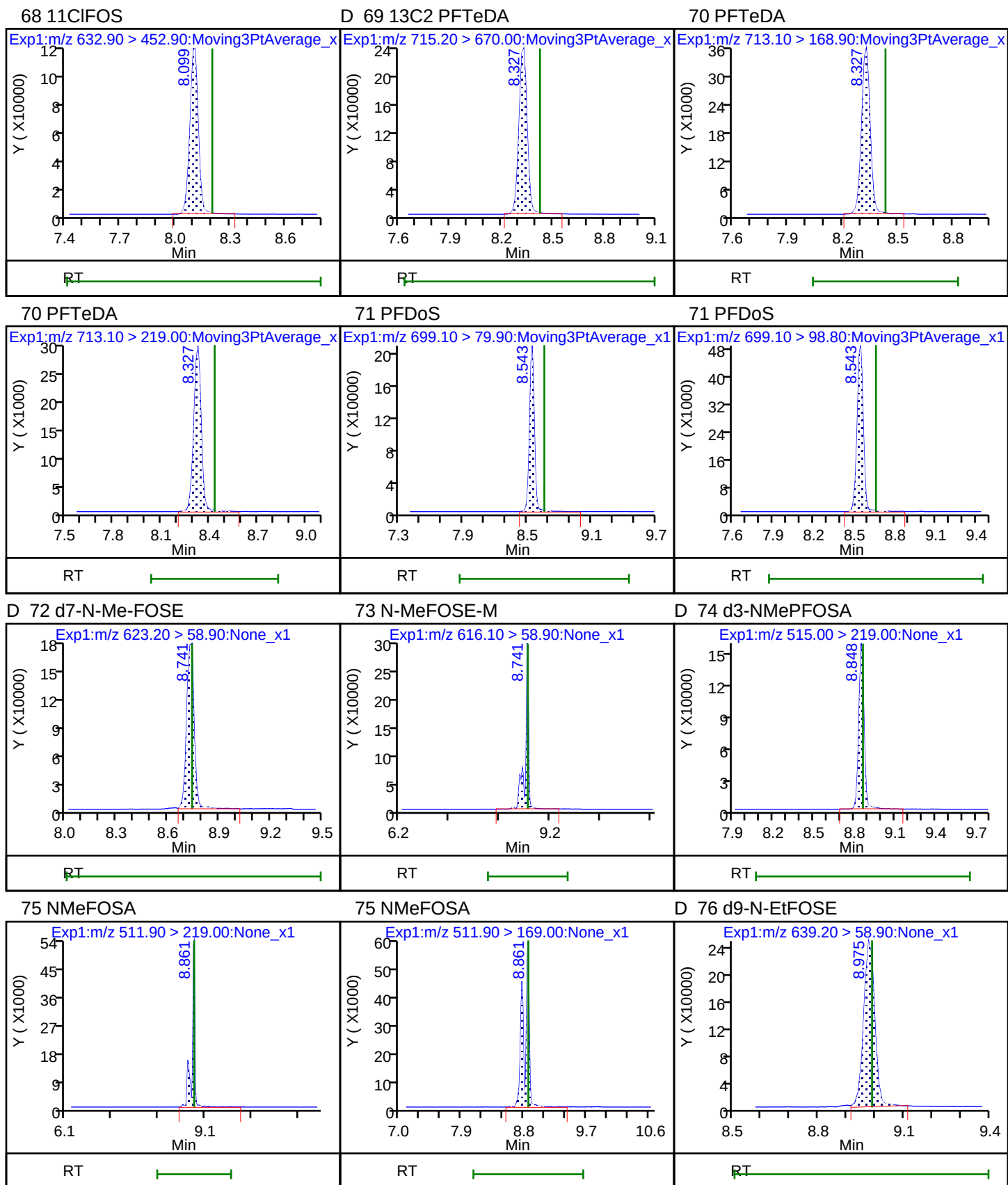
46 PFECHS

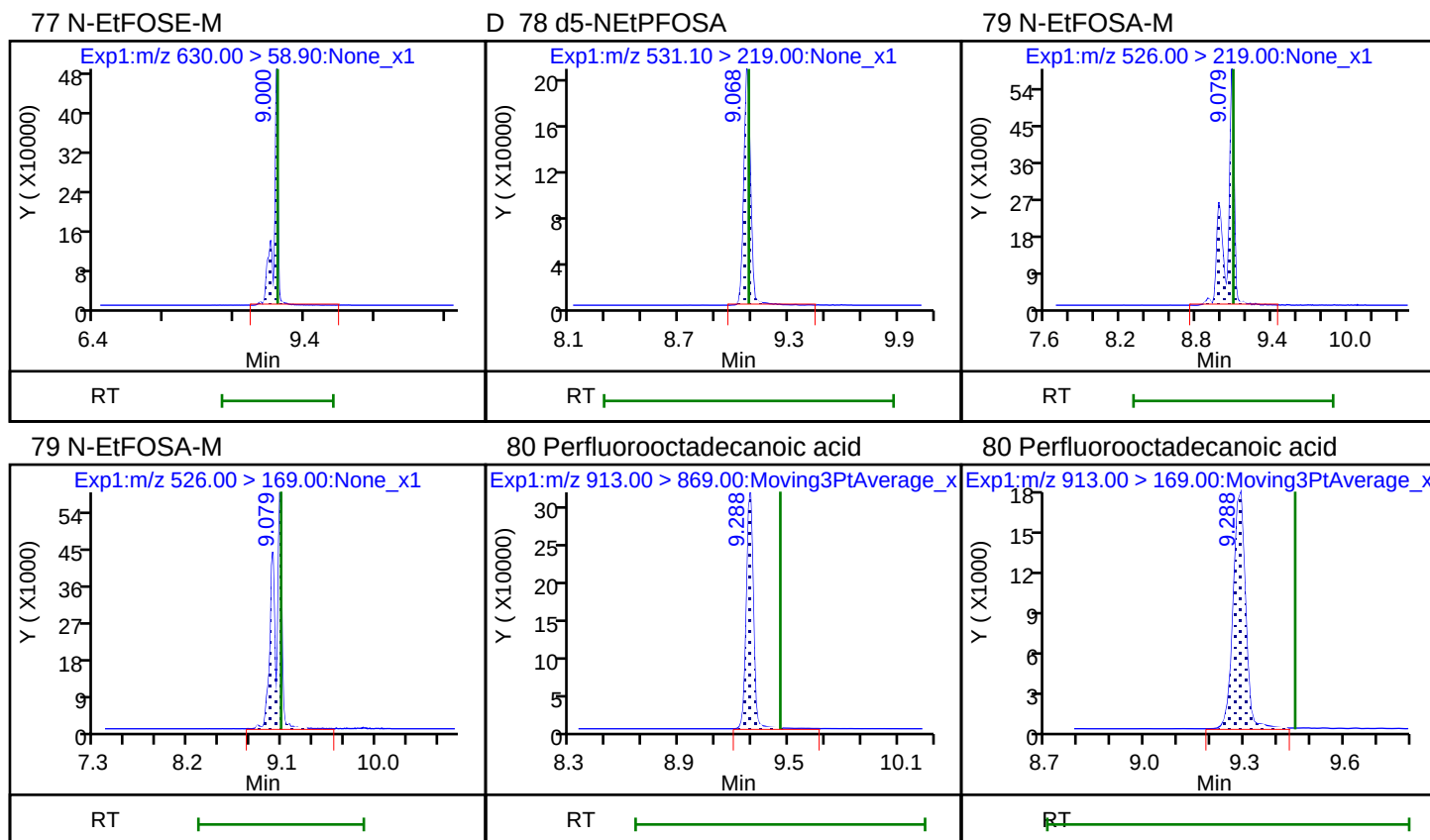












FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.: _____

Lab Sample ID: CCV 410-737075/78

Calibration Date: 12/02/2025 01:17

Instrument ID: 30570

Calib Start Date: 11/29/2025 11:15

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 11/29/2025 12:50

Lab File ID: 25DEC01E-42.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoropropionic acid (PFPrA)	AveID	0.9875	0.9749		4.94	5.00	-1.0	30.0
Perfluorobutanoic acid	AveID	0.9142	0.9007		1.97	2.00	-1.0	30.0
Perfluoro-3-methoxypropanoic acid	AveID	1.295	1.282		0.990	1.00	-1.0	30.0
3-Perfluoropropylpropanoic acid (3:3 FTCA)	AveID	0.0611	0.0503		1.65	2.00	-18.0	30.0
Perfluoropentanoic acid	AveID	1.207	1.270		1.05	1.00	5.0	30.0
Perfluoro(4-methoxybutanoic acid)	AveID	1.723	1.727		1.00	1.00	0.0	30.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	1.645	1.700		1.94	1.88	3.0	30.0
Perfluoro-3,6-dioxahexanoic acid	AveID	0.1758	0.1805		1.03	1.00	3.0	30.0
Perfluorohexanoic acid	AveID	0.9656	0.9196		0.952	1.00	-5.0	30.0
3-Perfluoropentylpropanoic acid (5:3 FTCA)	AveID	0.1310	0.0951		3.63	5.00	-27.0	30.0
Perfluorobutanesulfonic acid	AveID	1.226	1.202		0.870	0.888	-2.0	30.0
HFPO-DA	AveID	1.035	1.093		0.792	0.750	6.0	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	1.033	0.7954		0.770	1.00	-23.0	30.0
PFEESA	AveID	2.916	2.754		0.842	0.892	-6.0	30.0
Perfluoroheptanoic acid	AveID	0.9509	0.9946		1.05	1.00	5.0	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	3.296	3.226		0.926	0.946	-2.0	30.0
Perfluoropentanesulfonic acid	AveID	1.255	1.299		0.973	0.940	4.0	30.0
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	AveID	1.881	1.868		1.89	1.90	-1.0	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	2.278	2.302		0.989	0.979	1.0	30.0
Perfluorooctanoic acid	L2ID		0.7921		0.972	1.00	-3.0	30.0
7:3 FTCA	AveID	0.0692	0.0515		3.72	5.00	-26.0	30.0
Perfluorohexanesulfonic acid	L2ID		1.165		0.923	0.912	1.0	30.0
Perfluorononanoic acid	AveID	0.9220	0.8610		0.934	1.00	-7.0	30.0
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	AveID	1.320	1.263		1.84	1.92	-4.0	30.0
Perfluoro-4-ethylcyclohexane sulfonic acid (PFECHS)	AveID	0.3542	0.3431		0.895	0.924	-3.0	30.0
Perfluoroheptanesulfonic acid	AveID	1.230	1.172		0.909	0.954	-5.0	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	1.488	1.243		0.836	1.00	-16.0	30.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.9877	0.9943		1.01	1.00	1.0	30.0
Perfluorodecanoic acid	AveID	1.000	0.9627		0.963	1.00	-4.0	30.0
NEtFOSAA	AveID	0.7659	0.7945		1.04	1.00	4.0	30.0
Perfluorooctanesulfonic acid	AveID	1.535	1.452		0.880	0.930	-5.0	30.0
Perfluoroundecanoic acid	AveID	0.8783	0.8473		0.965	1.00	-4.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Lab Sample ID: CCV 410-737075/78

Calibration Date: 12/02/2025 01:17

Instrument ID: 30570

Calib Start Date: 11/29/2025 11:15

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 11/29/2025 12:50

Lab File ID: 25DEC01E-42.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
9-Chlorohexadecafluoro-3-oxa nonane-1-sulfonic acid	AveID	2.755	2.627		0.891	0.934	-5.0	30.0
Perfluorononanesulfonic acid	AveID	1.145	1.119		0.940	0.962	-2.0	30.0
Perfluorododecanoic acid	AveID	1.031	1.069		1.04	1.00	4.0	30.0
Perfluorooctanesulfonamide (PFOSA)	AveID	0.8957	0.8664		0.967	1.00	-3.0	30.0
Perfluorodecanesulfonic acid	AveID	1.228	1.169		0.918	0.964	-5.0	30.0
Perfluorotridecanoic acid	AveID	1.409	1.480		1.05	1.00	5.0	30.0
11-Chloroeicosafluoro-3-oxa undecane-1-sulfonic acid	AveID	1.924	1.813		0.890	0.944	-6.0	30.0
Perfluorotetradecanoic acid	AveID	0.2913	0.2994		1.03	1.00	3.0	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.9869	0.9190		0.903	0.970	-7.0	30.0
2- (N-methylperfluoro-1-octanes ulfonamido) ethanol	AveID	2.328	2.404		5.16	5.00	3.0	30.0
NMeFOSA	AveID	1.030	1.026		0.996	1.00	0.0	30.0
2- (N-ethylperfluoro-1-octanesu lfonamido) ethanol	AveID	2.840	2.884		5.08	5.00	2.0	30.0
N-ethylperfluoro-1-octanesul fonamide	AveID	0.9256	0.8871		0.958	1.00	-4.0	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	2.284	2.380		1.04	1.00	4.0	30.0
13C3 PFPrA	Ave	0.8545	0.7349		1.72	2.00	-14.0	30.0
13C4 PFBA	Ave	1.161	1.115		1.92	2.00	-4.0	30.0
13C5 PFPeA	Ave	0.8217	0.7692		1.87	2.00	-6.0	30.0
13C2 4:2 FTS	Ave	0.2688	0.2510		4.38	4.69	-7.0	30.0
13C5 PFHxA	Ave	1.134	1.151		2.03	2.00	2.0	30.0
13C3 PFBS	Ave	1.385	1.344		1.81	1.86	-3.0	30.0
13C3 HFPO-DA	Ave	0.7791	0.7899		2.03	2.00	1.0	30.0
13C4 PFHpA	Ave	0.9642	0.9638		2.00	2.00	0.0	30.0
13C2 6:2 FTS	Ave	0.2032	0.1983		4.65	4.76	-2.0	30.0
13C8 PFOA	Ave	1.033	0.9807		1.90	2.00	-5.0	30.0
13C3 PFHxS	Ave	1.017	0.9611		1.79	1.90	-5.0	30.0
13C9 PFNA	Ave	0.9623	0.9199		1.91	2.00	-4.0	30.0
M2-8:2 FTS	Ave	0.2535	0.2647		5.01	4.80	4.0	30.0
d3-NMeFOSAA	Ave	0.3888	0.3864		4.97	5.00	-1.0	30.0
13C6 PFDA	Ave	1.014	0.9816		1.94	2.00	-3.0	30.0
d5-NEtFOSAA	Ave	0.3899	0.3246		4.16	5.00	-17.0	30.0
13C8 PFOS	Ave	0.8819	0.8392		1.82	1.92	-5.0	30.0
13C7 PFUnA	Ave	1.153	1.153		2.00	2.00	0.0	30.0
13C2 PFDoA	Ave	0.9721	0.9390		1.93	2.00	-3.0	30.0
13C8 FOSA	Ave	1.146	0.9222		1.61	2.00	-20.0	30.0
13C2 PFTeDA	Ave	0.4955	0.4316		1.74	2.00	-13.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Lab Sample ID: CCV 410-737075/78

Calibration Date: 12/02/2025 01:17

Instrument ID: 30570

Calib Start Date: 11/29/2025 11:15

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 11/29/2025 12:50

Lab File ID: 25DEC01E-42.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d7-N-MeFOSE-M	Ave	0.1589	0.1372		4.32	5.00	-14.0	30.0
d3-NMePFOSA	Ave	0.2779	0.2502		1.80	2.00	-10.0	30.0
d9-N-EtFOSE-M	Ave	0.1837	0.1714		4.67	5.00	-7.0	30.0
d5-NEtPFOSA	Ave	0.3346	0.3082		1.84	2.00	-8.0	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\25DEC01E-42.d
 Lims ID: CCV 5_CAL4
 Client ID:
 Sample Type: CCV
 Inject. Date: 02-Dec-2025 01:17:22 ALS Bottle#: 5 Worklist Smp#: 78
 Injection Vol: 7.0 ul Dil. Factor: 1.0000
 Sample Info: CCV 5_CAL4
 Misc. Info.: Plate: 1 Rack: 1 410-0168432-078
 Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570
 Sublist: chrom-30570-1633-125ml*sub7
 Method: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\30570-1633-125ml.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 02-Dec-2025 10:14:32 Calib Date: 29-Nov-2025 12:50:55
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-08.d

Column 1 : Det: EXP1
 Process Host: CTX1649

First Level Reviewer: MC7V Date: 02-Dec-2025 09:37:00

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	1.950	1.973	-0.023	0.476	1053591	1.72		86.0	53297	
2 Perfluoropropionic acid										
163.00 > 119.00	1.961	1.985	-0.024	1.006	2567910	4.94		98.7	18214	
5 PFBA										
212.80 > 168.90	4.090	4.109	-0.019	0.998	1440388	1.97		98.5	16709	
D 3 13C4-PFBA										
216.80 > 171.90	4.096	4.109	-0.013	1.000	1599228	1.92		96.1	4783	
* 4 13C3PFBA										
216.00 > 172.00	4.096	4.109	-0.013		1433682	2.00			1022	
6 PFMPA										
229.00 > 84.90	4.406	4.424	-0.018	0.931	803320	0.99		99.0	3374	
7 3:3 FTCA										
241.00 > 177.00	4.415	4.433	-0.018	0.933	63016	1.65	Target=1.35	82.3	865	
241.00 > 117.00	4.415	4.433	-0.018	0.933	44505		1.42(0.68-2.03)		279	
D 8 13C5 PFPeA										
268.30 > 223.00	4.734	4.755	-0.021	0.912	1253051	1.87		93.6	3206	
9 PFPA										
263.00 > 219.00	4.734	4.765	-0.031	1.000	795533	1.05		105	659	
10 PFMBA										
279.00 > 85.10	4.890	4.915	-0.025	1.033	1082191	1.00		100	4676	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.008	5.036	-0.028	0.807	793349	4.38		93.4	3325	
11 4:2FTS										
327.10 > 307.00	5.008	5.036	-0.028	1.000	539363	1.94	Target=1.50	103	3271	
327.10 > 80.90	5.008	5.036	-0.028	1.000	342867		1.57(0.75-2.25)		648	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.152	5.181	-0.029	0.993	169231	1.03	Target=1.60	103	1113	
295.00 > 84.90	5.143	5.181	-0.038	0.991	113231		1.49(0.80-2.41)		1033	
* 16 13C2 PFHxA										
315.10 > 270.00	5.190	5.219	-0.029		4072628	5.00			4500	
D 15 13C5 PFHxA										
318.00 > 273.00	5.190	5.219	-0.029	1.000	1874957	2.03		102	6749	
17 PFHxA										
313.00 > 269.00	5.190	5.228	-0.038	1.000	862088	0.9523	Target=10.68	95.2	1407	
313.00 > 118.90	5.190	5.228	-0.038	1.000	77806		11.08(5.34-16.01)		528	
18 5:3 FTCA										
341.00 > 237.10	5.268	5.297	-0.029	1.015	445692	3.63	Target=0.91	72.6	1677	
341.00 > 217.00	5.268	5.297	-0.029	1.015	501965		0.89(0.46-1.37)		1500	
19 PFBS										
298.70 > 79.90	5.318	5.362	-0.044	1.000	966267	0.8701	Target=2.86	98.0	2293	
298.70 > 98.80	5.318	5.362	-0.044	1.000	334698		2.89(1.43-4.30)		2101	
D 20 13C3 PFBS										
302.10 > 79.90	5.318	5.362	-0.044	0.857	1688042	1.81		97.0	3221	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.373	5.406	-0.033	1.035	1286826	2.03		101	4454	
21 HFPO-DA										
284.90 > 168.90	5.373	5.406	-0.033	1.000	527522	0.7920	Target=2.59	106	1647	
284.90 > 184.90	5.373	5.406	-0.033	1.000	189667		2.78(1.30-3.89)		995	
23 FBSA										
297.90 > 78.00	5.395	5.427	-0.032	1.014	720271	0.7700		77.0	1823	
26 PFEESA										
314.80 > 134.90	5.555	5.599	-0.044	1.070	2302733	0.8424	Target=12.75	94.4	6223	
314.80 > 82.90	5.555	5.599	-0.044	1.070	183061		12.58(6.37-19.12)		1406	
28 PFHpA										
363.10 > 319.00	5.599	5.642	-0.043	1.000	780795	1.05	Target=2.26	105	1285	
363.10 > 169.00	5.599	5.642	-0.043	1.000	327703		2.38(1.13-3.39)		1332	
D 27 13C4 PFHpA										
367.10 > 322.00	5.599	5.642	-0.043	1.079	1570121	2.00		100.0	6567	
29 ADONA										
376.90 > 250.90	5.754	5.799	-0.045	1.071	1963538	0.9259	Target=1.92	97.9	4168	
376.90 > 84.80	5.754	5.799	-0.045	1.071	1028490		1.91(0.96-2.88)		2988	
31 6:2FTS										
427.10 > 407.00	5.799	5.845	-0.046	1.000	475380	1.89	Target=1.68	99.4	121	
427.10 > 80.90	5.799	5.845	-0.046	1.000	281626		1.69(0.84-2.52)		134	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.799	5.845	-0.046	0.935	636072	4.65		97.6	2171	
30 PFPeS										
349.10 > 79.90	5.787	5.845	-0.058	0.933	790760	0.9731	Target=3.26	104	2546	
349.10 > 98.90	5.787	5.845	-0.058	0.933	242742		3.26(1.63-4.89)		1030	
33 BTS										
280.00 > 147.00	5.948	6.007	-0.059	0.959	1459536	0.9893		101	5702	
* 35 13C4 PFOA										
417.10 > 372.00	5.987	6.038	-0.051		5037472	5.00			29945	

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	5.987	6.048	-0.061	1.000	1976025	1.90		94.9	2159	
36 PFOA										
413.00 > 369.00	5.987	6.048	-0.061	1.000	782610	0.9720	Target=2.08	97.2	784	
413.00 > 169.00	5.997	6.048	-0.051	1.002	380107		2.06(1.04-3.13)		639	
37 7:3 FTCA										
441.00 > 316.90	6.058	6.102	-0.044	1.167	241532	3.72	Target=0.45	74.5	949	
441.00 > 336.90	6.058	6.102	-0.044	1.167	533487		0.45(0.23-0.68)		2981	
D 39 13C3 PFHxS										
402.10 > 79.90	6.205	6.268	-0.063	1.000	1227867	1.79		94.5	2323	
* 38 18O2 PFHxS										
403.00 > 83.90	6.205	6.268	-0.063		1277526	1.90			7940	
40 PFHxS										
398.70 > 79.90	6.205	6.277	-0.072	1.000	688258	0.9230	Target=3.32	101	510	
398.70 > 98.90	6.205	6.277	-0.072	1.000	208625		3.30(1.66-4.97)		550	
D 42 13C9 PFNA										
472.10 > 427.00	6.369	6.430	-0.061	1.000	1858595	1.91		95.6	2889	
43 PFNA										
463.00 > 419.00	6.369	6.430	-0.061	1.000	800142	0.9339	Target=2.36	93.4	1124	
463.00 > 219.00	6.369	6.430	-0.061	1.000	324433		2.47(1.18-3.54)		553	
* 41 13C5 PFNA										
468.00 > 423.00	6.369	6.430	-0.061		2020480	2.00			3826	
44 8:2FTS										
527.10 > 507.00	6.538	6.610	-0.072	1.000	432304	1.84	Target=1.32	95.6	646	
527.10 > 80.80	6.538	6.610	-0.072	1.000	322847		1.34(0.66-1.99)		1854	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.538	6.610	-0.072	1.054	856045	5.01		104	2205	
46 PFECHS										
461.00 > 381.00	6.579	6.641	-0.062	1.060	205294	0.8951	Target=0.28	96.9	483	
461.00 > 99.00	6.579	6.641	-0.062	1.060	748466		0.27(0.14-0.42)		2089	
47 PFHpS										
449.00 > 79.90	6.610	6.673	-0.063	0.944	753298	0.9090	Target=3.76	95.3	2771	
449.00 > 98.80	6.610	6.673	-0.063	0.944	211726		3.56(1.88-5.64)		995	
53 FHxSA										
397.90 > 78.00	6.641	6.683	-0.042	1.070	805103	0.8355		83.6	1489	
49 NMeFOSAA										
570.10 > 419.00	6.694	6.763	-0.069	1.000	308489	1.01	Target=1.91	101	971	
570.10 > 483.00	6.694	6.763	-0.069	1.000	156090		1.98(0.96-2.87)		436	
D 48 d3-NMeFOSAA										
573.20 > 419.00	6.694	6.763	-0.069	0.956	1551340	4.97		99.4	1810	
* 50 13C2 PFDA										
515.10 > 470.10	6.754	6.823	-0.069		1685636	2.00			8248	
D 51 13C6 PFDA										
519.10 > 474.10	6.754	6.823	-0.069	1.000	1654546	1.94		96.8	4770	
52 PFDA										
512.90 > 469.00	6.754	6.823	-0.069	1.000	796389	0.9630	Target=4.25	96.3	3348	
512.90 > 219.00	6.754	6.823	-0.069	1.000	193282		4.12(2.12-6.37)		1618	

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	6.861	6.927	-0.066	0.980	1303335	4.16		83.2	1598	
55 NEtFOSAA										
584.20 > 419.10	6.870	6.936	-0.066	1.001	207097	1.04	Target=1.44	104	541	
584.20 > 526.00	6.861	6.936	-0.075	1.000	140772		1.47(0.72-2.15)		356	
D 56 13C8 PFOS										
507.10 > 79.90	6.999	7.080	-0.081	1.000	1291182	1.82		95.2	1793	
58 PFOS										
498.90 > 79.90	6.999	7.080	-0.081	1.000	909886	0.8798	Target=4.40	94.6	2447	
498.90 > 98.80	6.999	7.080	-0.081	1.000	209787		4.34(2.20-6.60)		827	
* 57 13C4 PFOS										
502.80 > 79.90	6.999	7.080	-0.081		1538550	1.92			6792	
D 59 13C7 PFUnA										
570.00 > 525.10	7.140	7.223	-0.083	1.057	1943096	2.00		100	3980	
60 PFUnA										
563.10 > 519.00	7.140	7.223	-0.083	1.000	823224	0.9648	Target=6.12	96.5	3176	
563.10 > 269.10	7.140	7.223	-0.083	1.000	141330		5.82(3.06-9.18)		1350	
61 9ClFOS										
530.80 > 351.00	7.303	7.397	-0.094	1.044	1653633	0.8907	Target=3.14	95.4	3838	
532.80 > 353.00	7.303	7.397	-0.094	1.044	535920		3.09(1.57-4.71)		2950	
62 PFNS										
548.80 > 79.90	7.397	7.488	-0.091	1.057	725636	0.9404	Target=3.48	97.7	2431	
548.80 > 98.80	7.387	7.488	-0.101	1.056	207542		3.50(1.74-5.23)		1118	
D 81 13C2 PFDaA										
615.10 > 570.00	7.529	7.624	-0.095	1.115	1582733	1.93		96.6	2410	
63 PFDaA										
613.10 > 569.00	7.529	7.631	-0.102		845649	1.04	Target=6.22	104	1195	
613.10 > 319.00	7.529	7.631	-0.102		138712		6.10(3.11-9.33)		1272	
D 65 13C8 FOSA										
506.10 > 77.80	7.737	7.776	-0.039	1.105	1481111	1.61		80.5	2921	
64 PFOSA										
498.10 > 77.90	7.737	7.776	-0.039	1.000	641636	0.9673	Target=53.04	96.7	1558	
498.10 > 478.00	7.737	7.776	-0.039	1.000	12349		51.96(26.52-79.56)		35.2	
66 PFDS										
599.00 > 79.90	7.782	7.887	-0.105	1.112	759509	0.9180	Target=3.66	95.2	2404	
599.00 > 98.80	7.782	7.887	-0.105	1.112	212124		3.58(1.83-5.49)		1818	
67 PFTTrDA										
663.00 > 619.00	7.925	8.027	-0.102	0.954	854678	1.05	Target=5.85	105	3917	
663.00 > 168.90	7.925	8.027	-0.102	0.954	147551		5.79(2.93-8.78)		1051	
68 11ClFOS										
630.90 > 450.90	8.080	8.203	-0.123	1.155	1153278	0.8897	Target=3.12	94.2	5306	
632.90 > 452.90	8.080	8.203	-0.123	1.155	369977		3.12(1.56-4.68)		1373	
D 69 13C2 PFTeDA										
715.20 > 670.00	8.306	8.423	-0.117	1.230	727562	1.74		87.1	4703	
70 PFTeDA										
713.10 > 168.90	8.306	8.432	-0.126	1.000	108915	1.03	Target=1.15	103	1975	
713.10 > 219.00	8.306	8.432	-0.126	1.000	90740		1.20(0.58-1.73)		834	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
71 PFDoS										
699.10 > 79.90	8.523	8.658	-0.135	1.218	600730	0.9033	Target=4.11	93.1	2026	
699.10 > 98.80	8.523	8.658	-0.135	1.218	149754		4.01(2.05-6.16)		2098	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.713	8.741	-0.028	1.245	550801	4.32		86.3	371	
73 N-MeFOSE-M										
616.10 > 58.90	8.741	8.754	-0.013	1.003	1323929	5.16		103	2694	
D 74 d3-NMePFOSA										
515.00 > 219.00	8.835	8.861	-0.026	1.262	401863	1.80		90.0	1440	
75 NMeFOSA										
511.90 > 219.00	8.848	8.861	-0.013	1.001	206096	1.00	Target=0.69	99.6	984	
511.90 > 169.00	8.848	8.861	-0.013	1.001	294007		0.70(0.35-1.04)		822	
D 76 d9-N-EtFOSE										
639.20 > 58.90	8.963	8.987	-0.024	1.281	688164	4.67		93.3	407	
77 N-EtFOSE-M										
630.00 > 58.90	8.987	9.011	-0.024	1.003	1984599	5.08		102	3149	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.068	9.079	-0.011	1.296	494980	1.84		92.1	1474	
79 N-EtFOSA-M										
526.00 > 219.00	9.068	9.091	-0.023	1.000	219549	0.9584	Target=0.81	95.8	1100	
526.00 > 169.00	9.068	9.091	-0.023	1.000	270184		0.81(0.41-1.22)		764	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.278	9.453	-0.175	1.117	865820	1.04	Target=18.31	104	4522	
913.00 > 169.00	9.278	9.453	-0.175	1.117	45820		18.90(9.15-27.46)		1204	

QC Flag Legend

Processing Flags

Reagents:

1633_125_CAL4_00069

Amount Added: 1.00

Units: mL

Data File: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\25DEC01E-42.d

Injection Date: 02-Dec-2025 01:17:22

Instrument ID: 30570

Lims ID: CCV 5_CAL4

Client ID:

Operator ID: ETUS023_USR_INS00003

ALS Bottle#: 5

Worklist Smp#: 78

Injection Vol: 7.0 ul

Dil. Factor: 1.0000

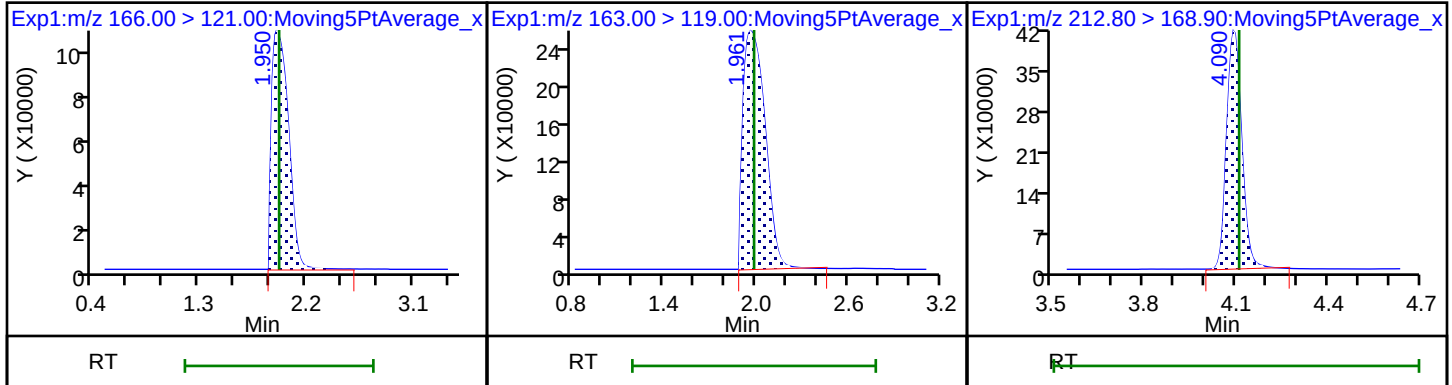
Method: 30570-1633-125ml

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid

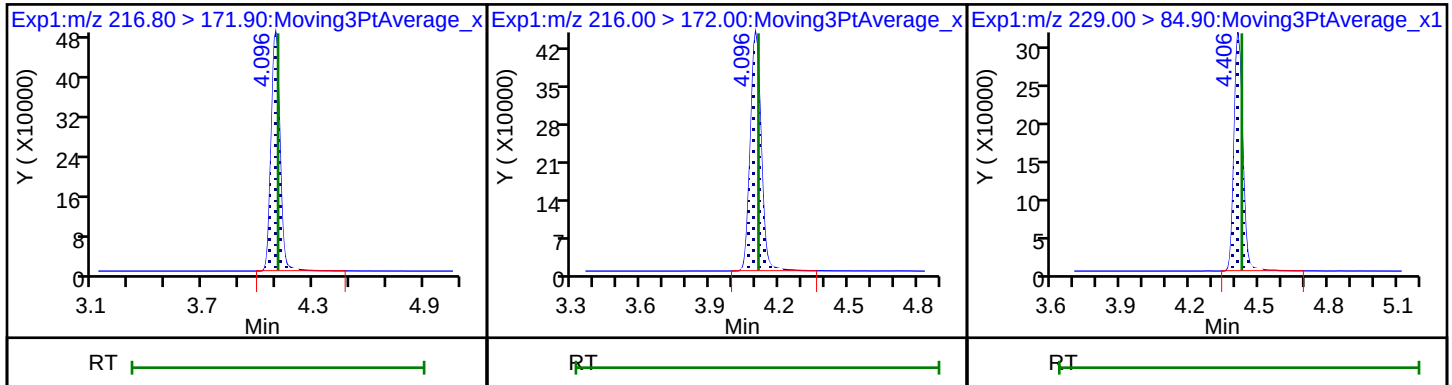
5 PFBA



D 3 13C4-PFBA

* 4 13C3PFBA

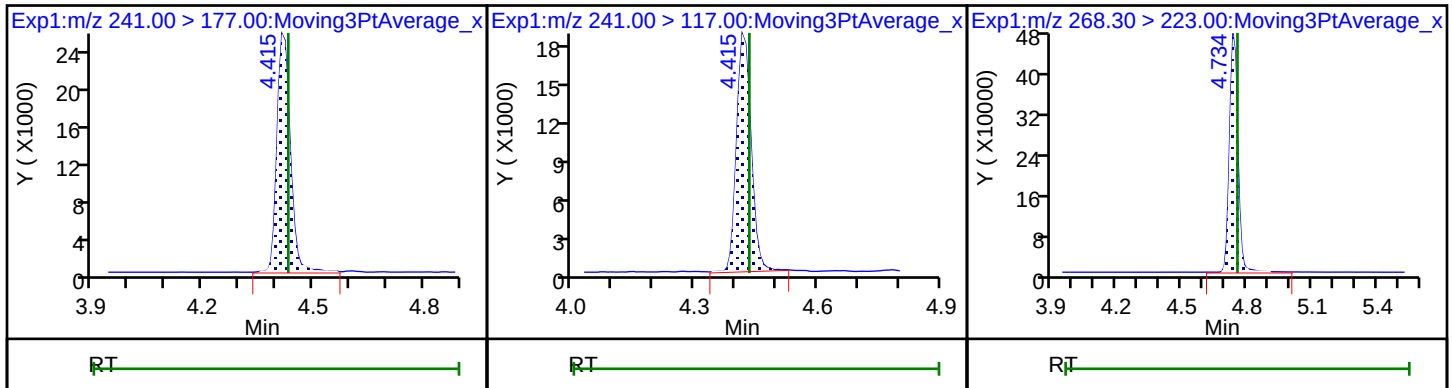
6 PFMPA



7 3:3 FTCA

7 3:3 FTCA

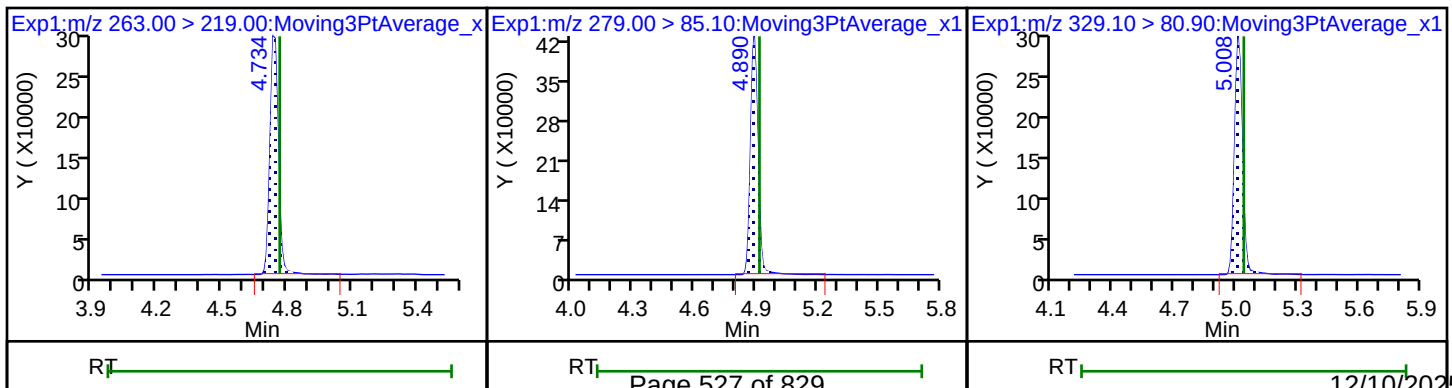
D 8 13C5 PFPeA

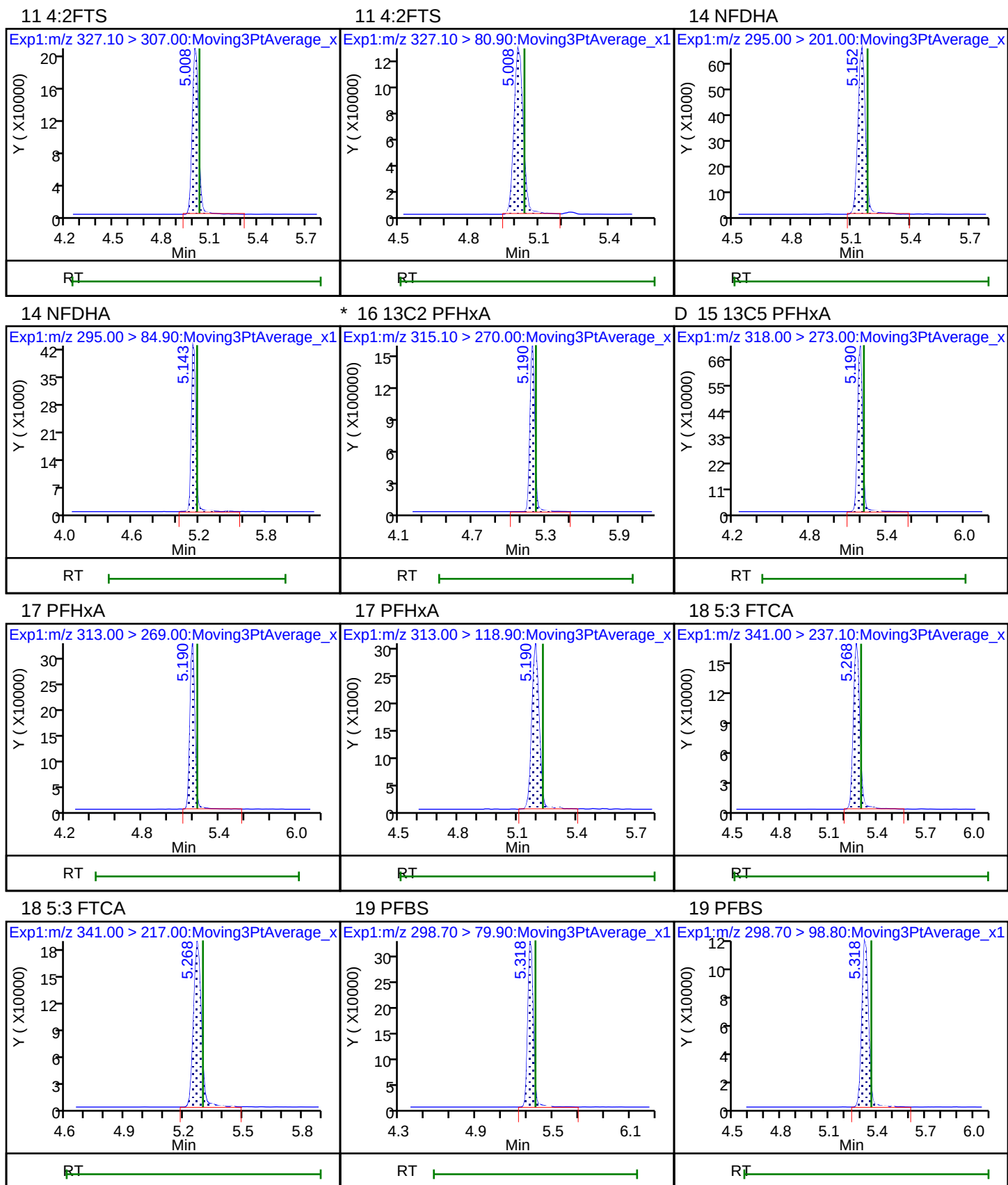


9 PFPA

10 PFMB A

D 13 13C2-4:2FTS

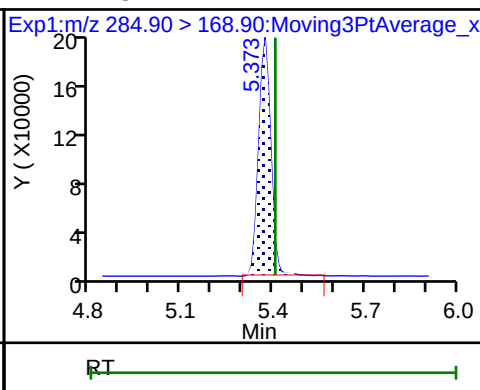
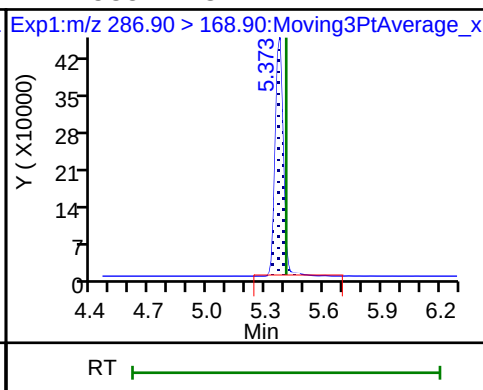
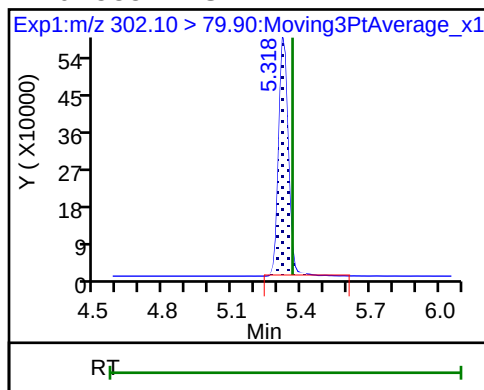




D 20 13C3 PFBS

D 22 13C3 HFPO-DA

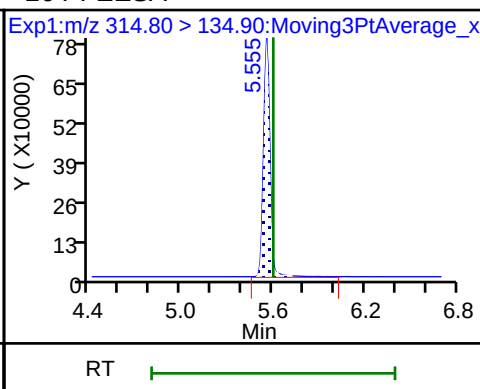
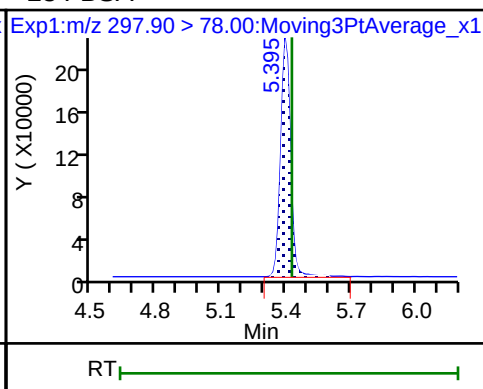
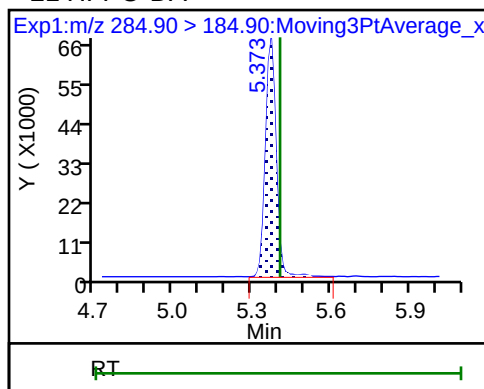
21 HFPO-DA



21 HFPO-DA

23 FBSA

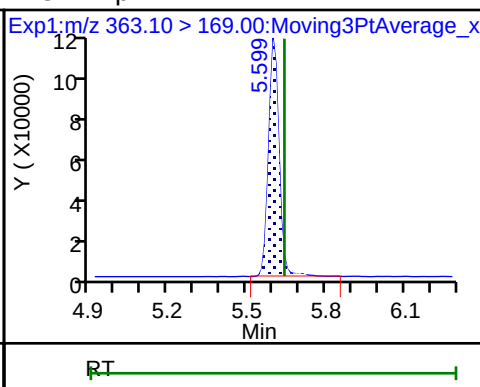
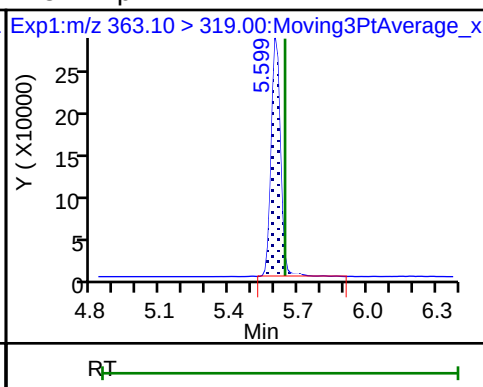
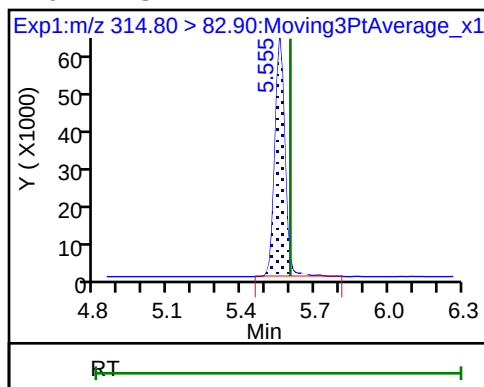
26 PFEESA



26 PFEESA

28 PFHpA

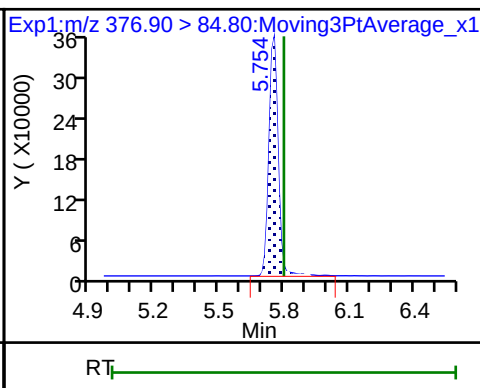
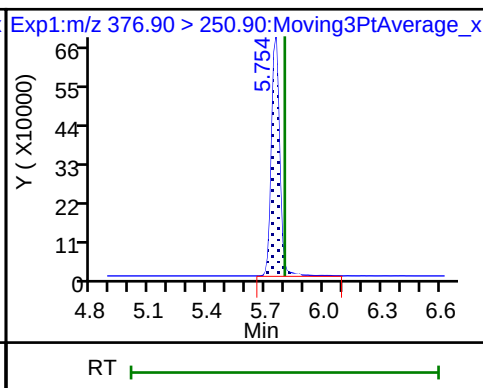
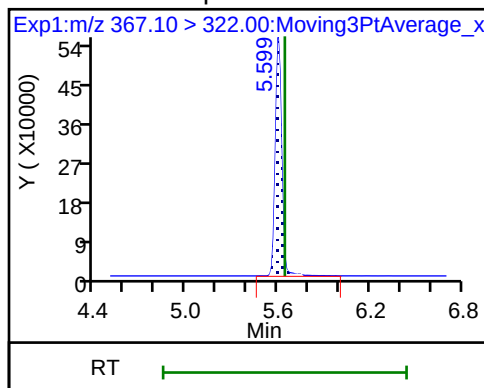
28 PFHpA

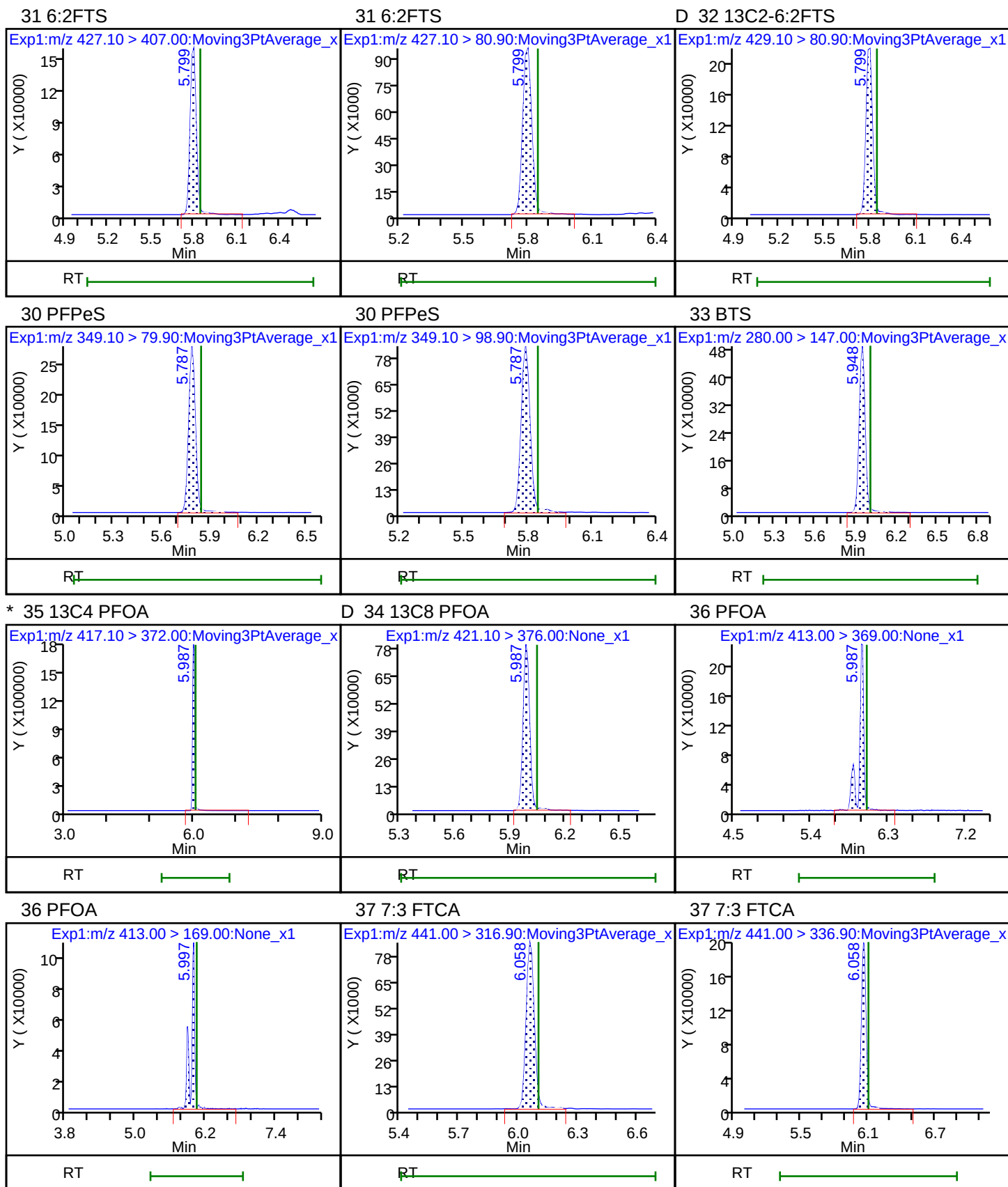


D 27 13C4 PFHpA

29 ADONA

29 ADONA

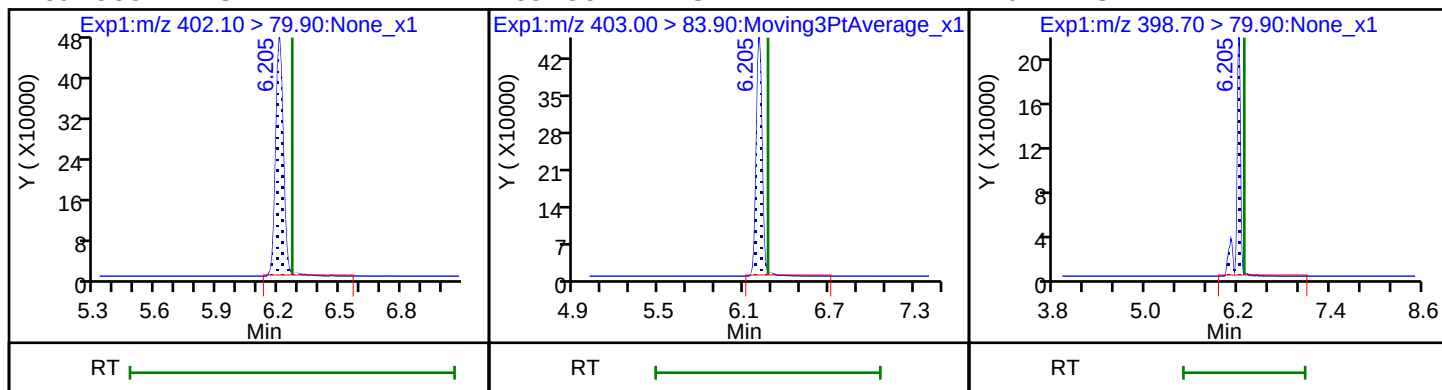




D 39 13C3 PFHxS

* 38 18O2 PFHxS

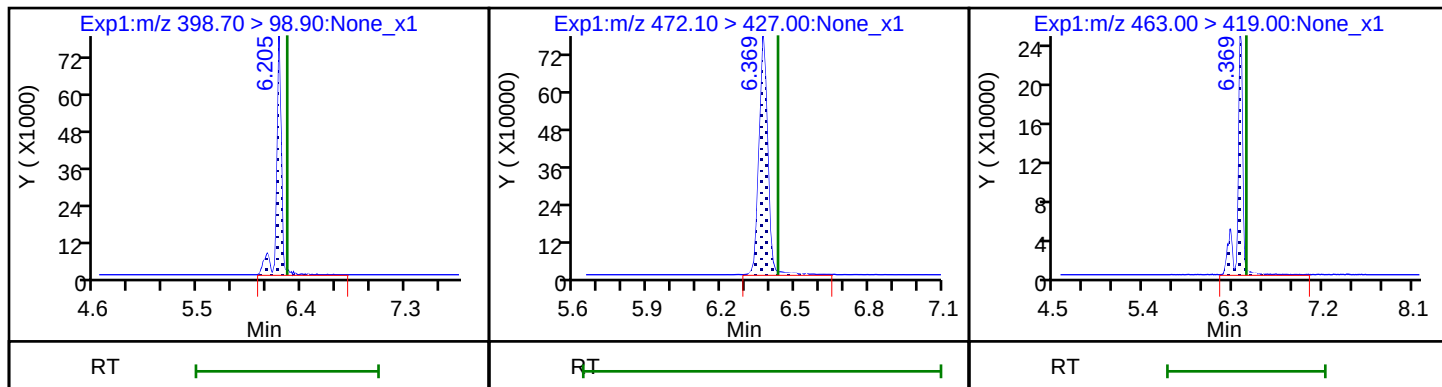
40 PFHxS



40 PFHxS

D 42 13C9 PFNA

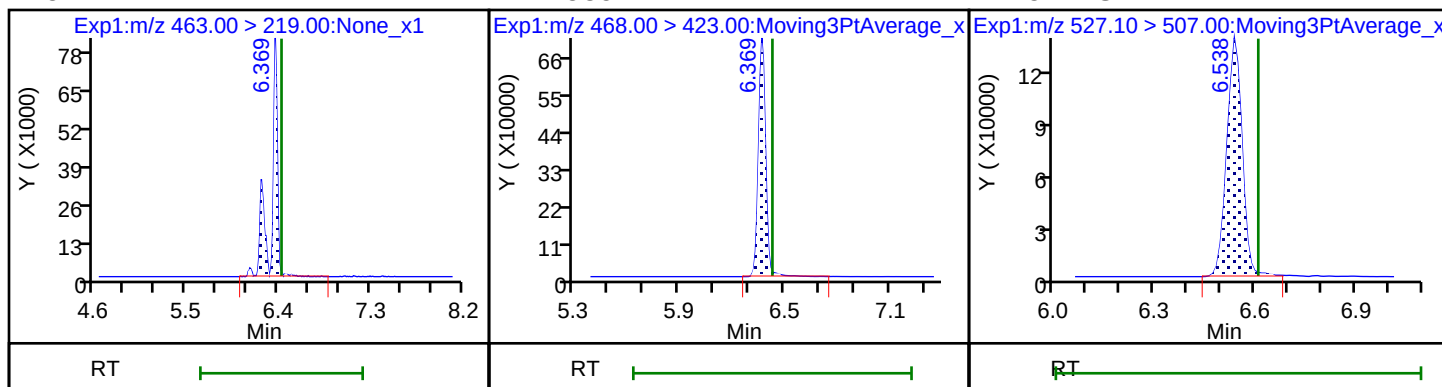
43 PFNA



43 PFNA

* 41 13C5 PFNA

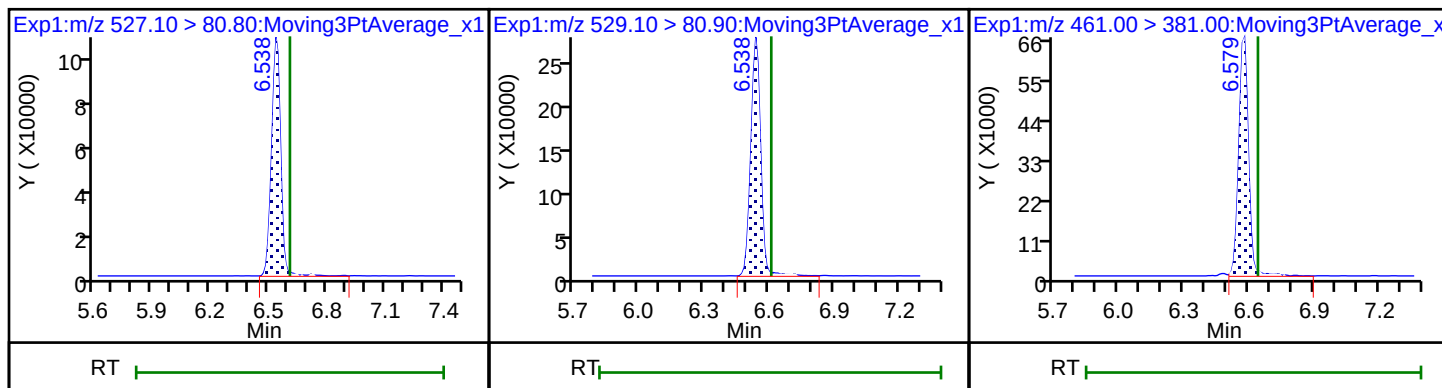
44 8:2FTS

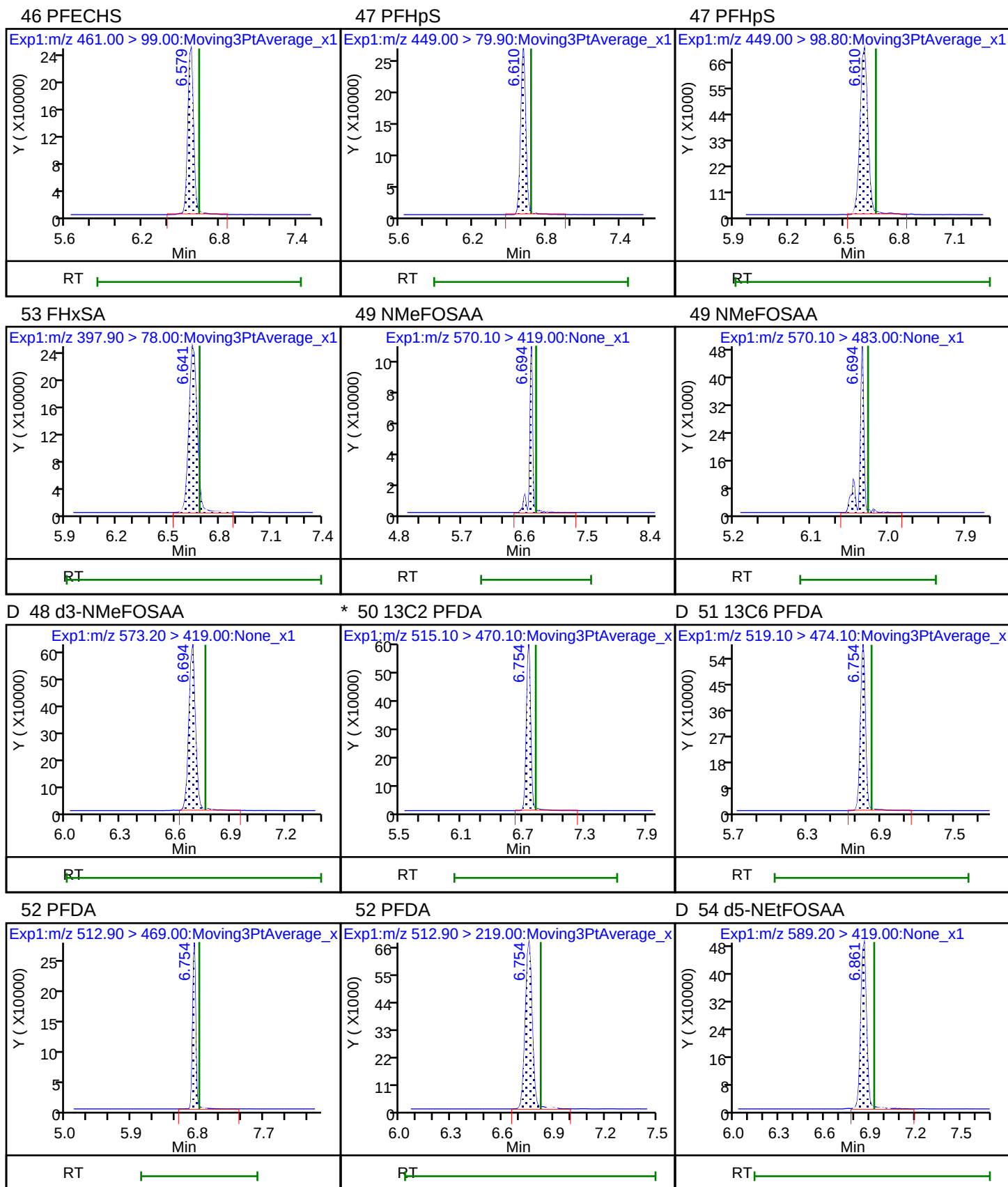


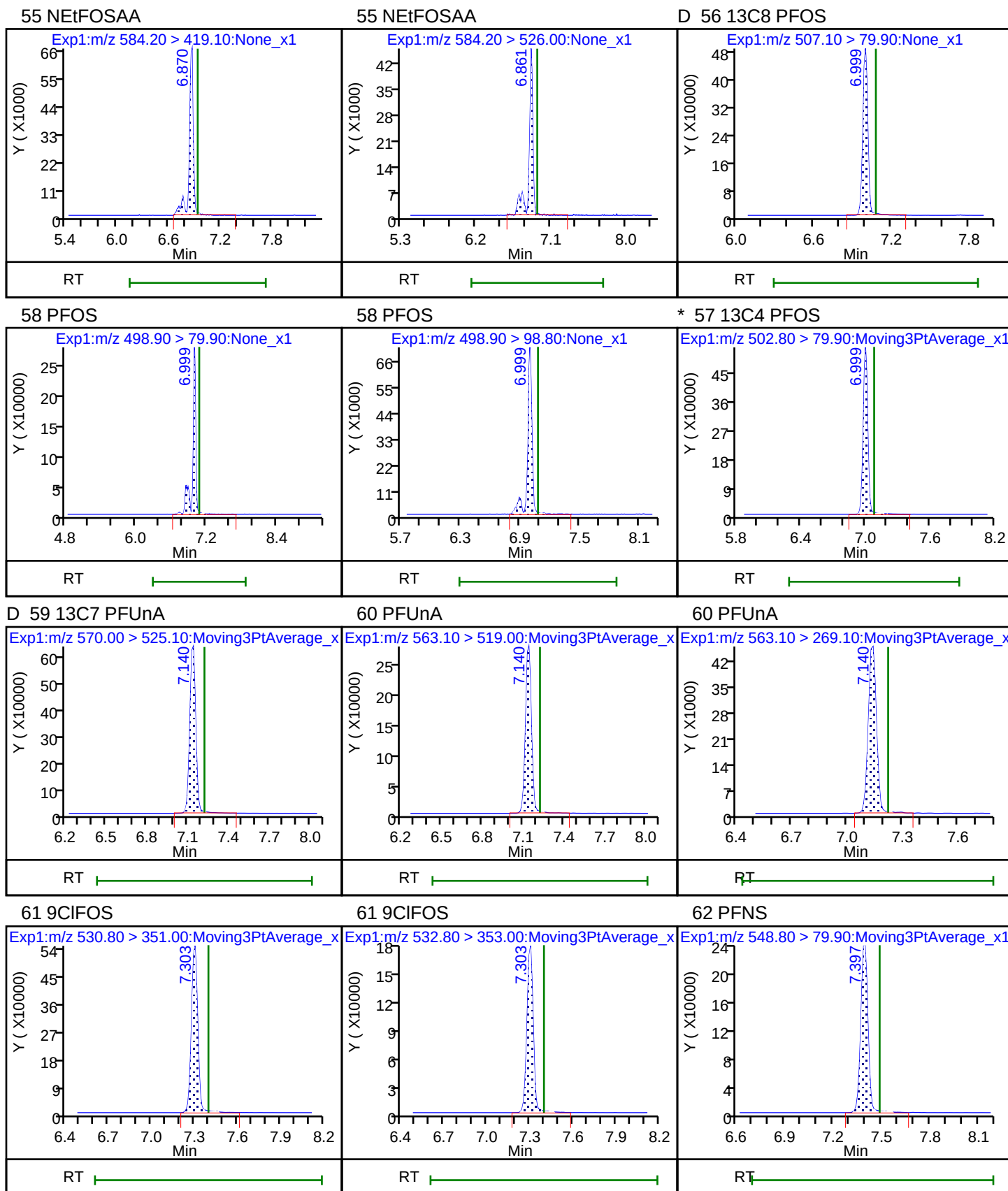
44 8:2FTS

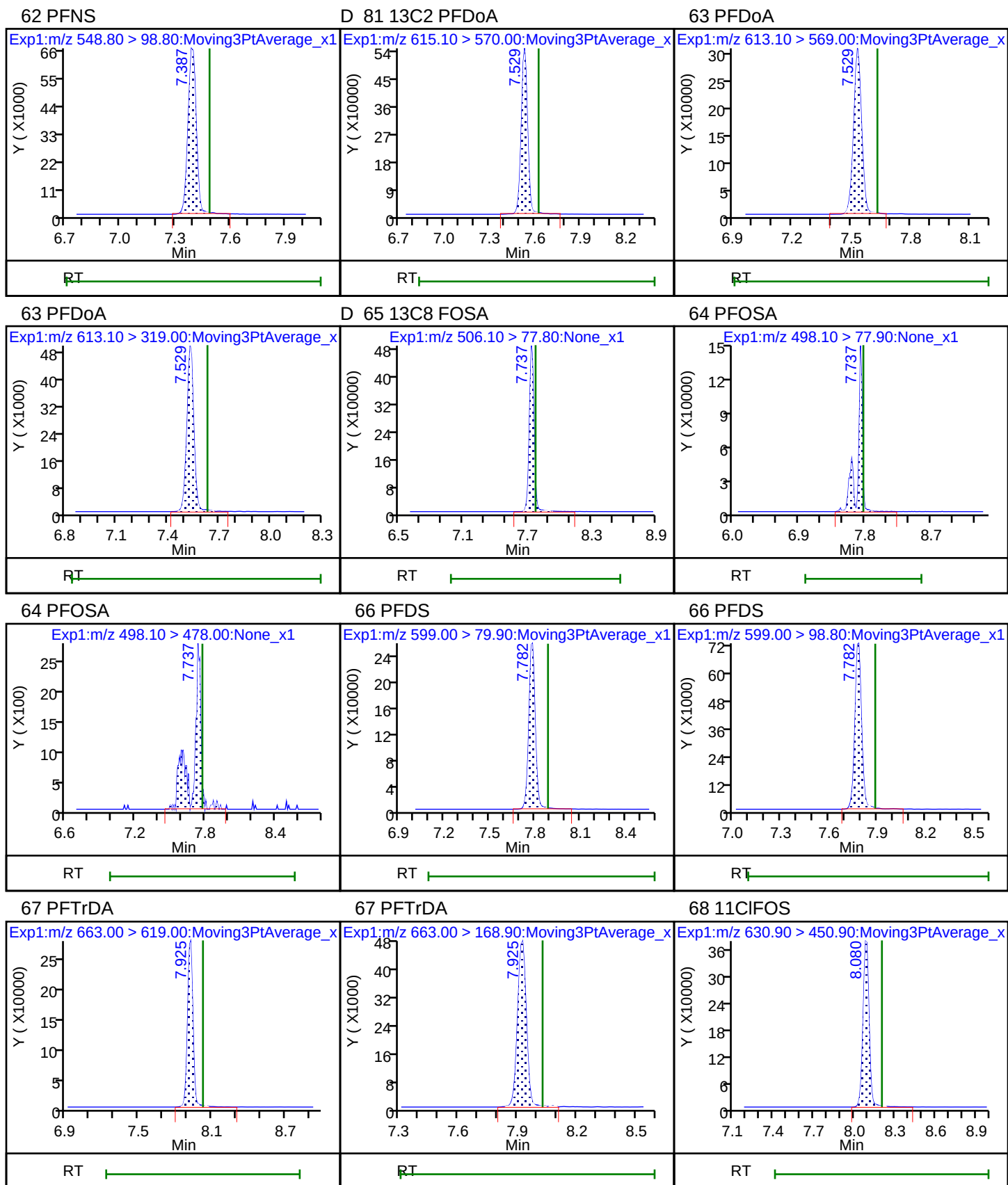
D 45 13C2-8:2FTS

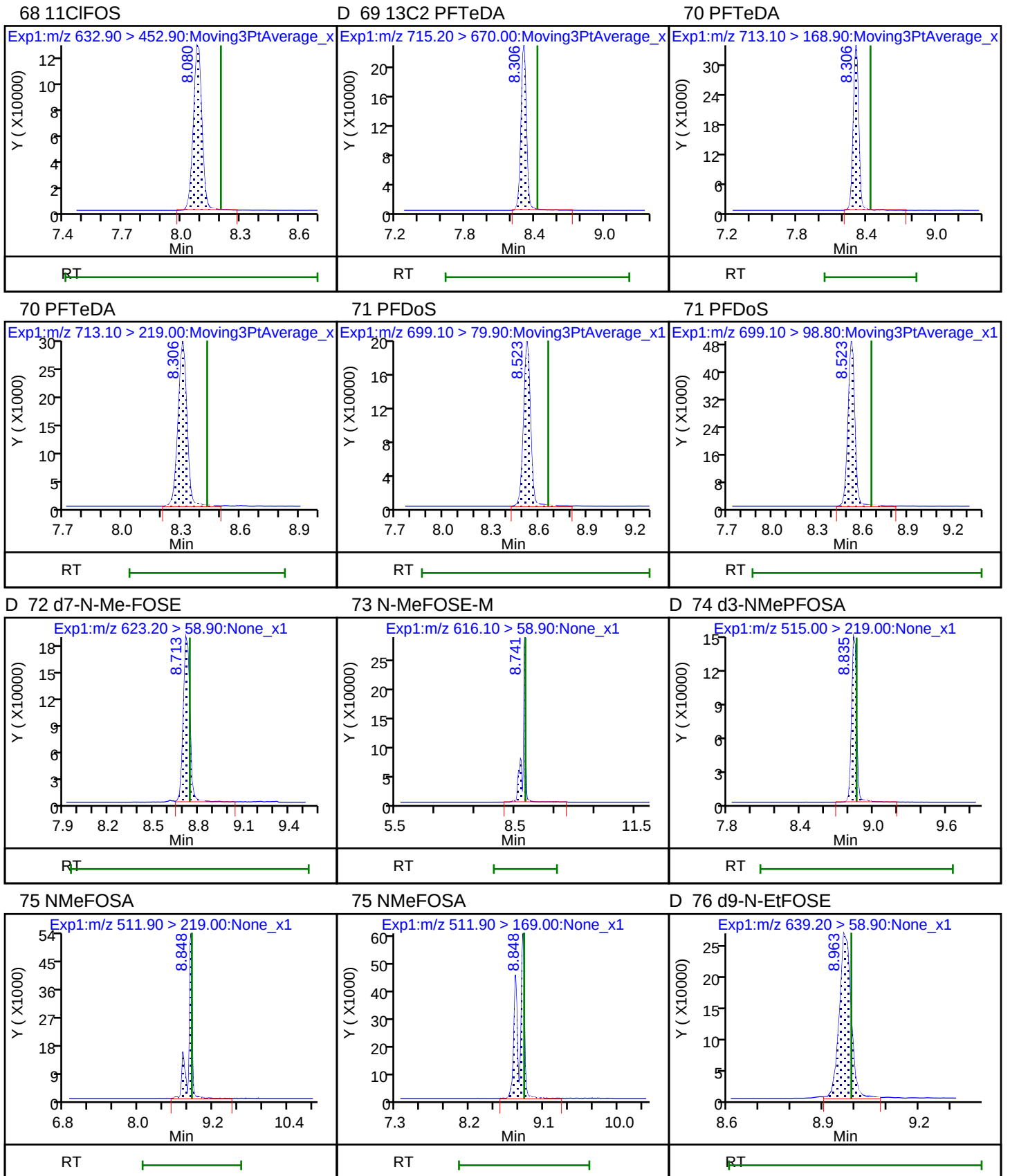
46 PFECHS

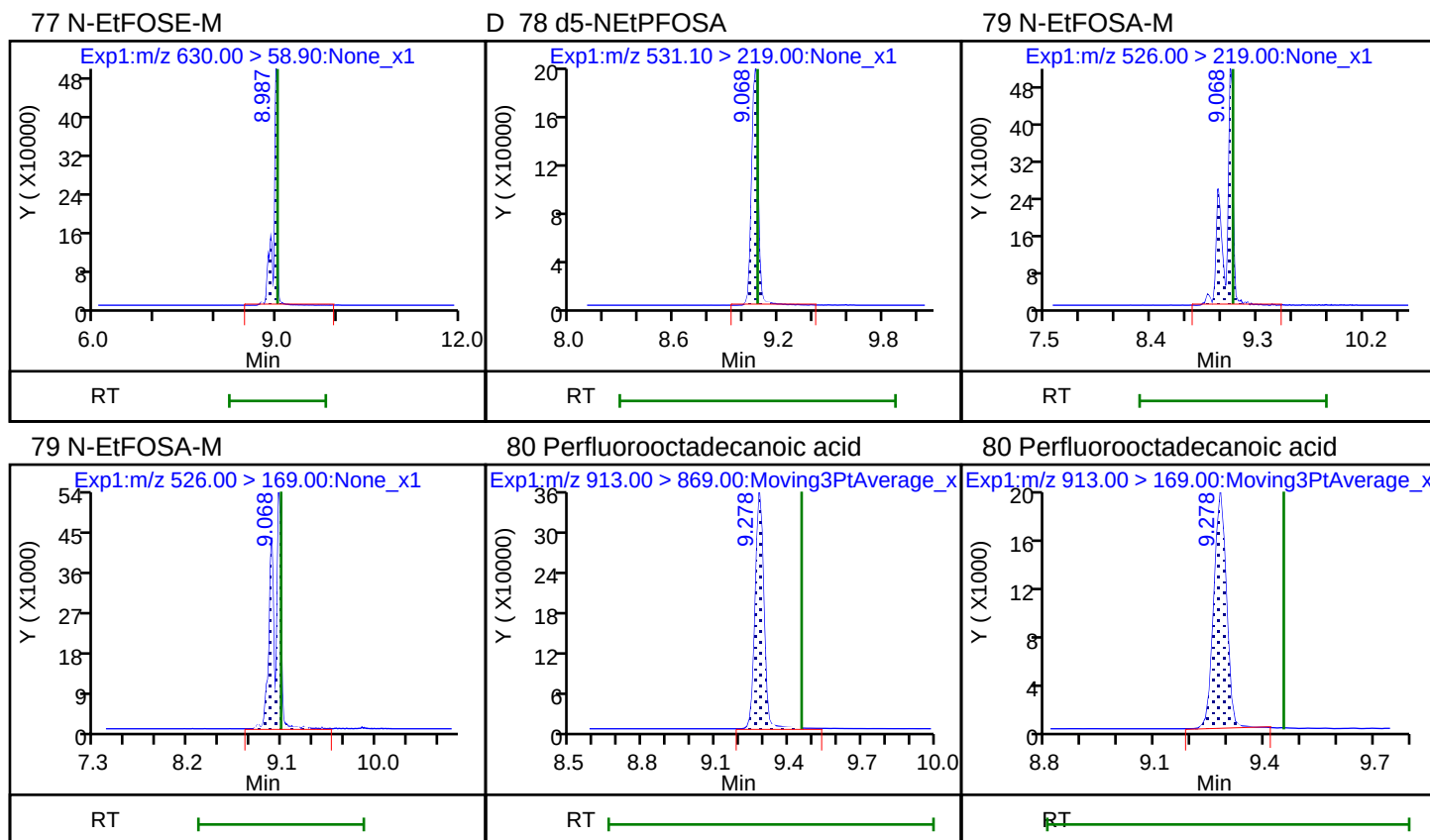












FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.: _____

Lab Sample ID: CCVO 410-737660/1

Calibration Date: 12/02/2025 11:43

Instrument ID: 30570

Calib Start Date: 11/29/2025 11:15

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 11/29/2025 12:50

Lab File ID: 25DEC02-01.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoropropionic acid (PFPrA)	AveID	0.9875	1.090		0.276	0.250	10.0	30.0
Perfluorobutanoic acid	AveID	0.9142	0.9468		0.104	0.100	4.0	30.0
Perfluoro-3-methoxypropanoic acid	AveID	1.295	1.282		0.0495	0.0500	-1.0	30.0
3-Perfluoropropylpropanoic acid (3:3 FTCA)	AveID	0.0611	0.0506		0.0827	0.100	-17.0	30.0
Perfluoropentanoic acid	AveID	1.207	1.248		0.0517	0.0500	3.0	30.0
Perfluoro(4-methoxybutanoic acid)	AveID	1.723	1.704		0.0494	0.0500	-1.0	30.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	1.645	1.815		0.103	0.0938	10.0	30.0
Perfluoro-3,6-dioxahexanoic acid	AveID	0.1758	0.1652		0.0470	0.0500	-6.0	30.0
Perfluorohexanoic acid	AveID	0.9656	1.013		0.0525	0.0500	5.0	30.0
3-Perfluoropentylpropanoic acid (5:3 FTCA)	AveID	0.1310	0.0918		0.175	0.250	-30.0	30.0
Perfluorobutanesulfonic acid	AveID	1.226	1.296		0.0469	0.0444	6.0	30.0
HFPO-DA	AveID	1.035	1.046		0.0379	0.0375	1.0	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	1.033	0.7465		0.0361	0.0500	-28.0	30.0
PFEESA	AveID	2.916	2.754		0.0421	0.0446	-6.0	30.0
Perfluoroheptanoic acid	AveID	0.9509	1.000		0.0526	0.0500	5.0	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	3.296	3.103		0.0445	0.0473	-6.0	30.0
Perfluoropentanesulfonic acid	AveID	1.255	1.386		0.0519	0.0470	10.0	30.0
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	AveID	1.881	1.824		0.0924	0.0952	-3.0	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	2.278	2.184		0.0469	0.0490	-4.0	30.0
Perfluorooctanoic acid	L2ID		0.9055		0.0415	0.0500	-17.0	30.0
7:3 FTCA	AveID	0.0692	0.0571		0.206	0.250	-17.0	30.0
Perfluorohexanesulfonic acid	L2ID		1.422		0.0426	0.0456	-7.0	30.0
Perfluorononanoic acid	AveID	0.9220	1.156		0.0627	0.0500	25.0	30.0
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	AveID	1.320	1.272		0.0925	0.0960	-4.0	30.0
Perfluoro-4-ethylcyclohexane sulfonic acid (PFECHS)	AveID	0.3542	0.3450		0.0450	0.0462	-3.0	30.0
Perfluoroheptanesulfonic acid	AveID	1.230	1.179		0.0457	0.0477	-4.0	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	1.488	1.200		0.0403	0.0500	-19.0	30.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.9877	0.8969		0.0454	0.0500	-9.0	30.0
Perfluorodecanoic acid	AveID	1.000	1.057		0.0529	0.0500	6.0	30.0
NETFOSAA	AveID	0.7659	0.8420		0.0550	0.0500	10.0	30.0
Perfluorooctanesulfonic acid	AveID	1.535	1.609		0.0488	0.0465	5.0	30.0
Perfluoroundecanoic acid	AveID	0.8783	0.9305		0.0530	0.0500	6.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Lab Sample ID: CCVO 410-737660/1

Calibration Date: 12/02/2025 11:43

Instrument ID: 30570

Calib Start Date: 11/29/2025 11:15

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 11/29/2025 12:50

Lab File ID: 25DEC02-01.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
9-Chlorohexadecafluoro-3-oxa nonane-1-sulfonic acid	AveID	2.755	2.786		0.0472	0.0467	1.0	30.0
Perfluorononanesulfonic acid	AveID	1.145	1.127		0.0473	0.0481	-2.0	30.0
Perfluorododecanoic acid	AveID	1.031	1.083		0.0525	0.0500	5.0	30.0
Perfluorooctanesulfonamide (PFOSA)	AveID	0.8957	0.8971		0.0501	0.0500	0.0	30.0
Perfluorodecanesulfonic acid	AveID	1.228	1.240		0.0487	0.0482	1.0	30.0
Perfluorotridecanoic acid	AveID	1.409	1.446		0.0513	0.0500	3.0	30.0
11-Chloroeicosafluoro-3-oxa undecane-1-sulfonic acid	AveID	1.924	2.050		0.0503	0.0472	7.0	30.0
Perfluorotetradecanoic acid	AveID	0.2913	0.2587		0.0444	0.0500	-11.0	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.9869	0.9739		0.0479	0.0485	-1.0	30.0
2- (N-methylperfluoro-1-octanes ulfonamido) ethanol	AveID	2.328	2.428		0.261	0.250	4.0	30.0
NMeFOSA	AveID	1.030	1.158		0.0562	0.0500	12.0	30.0
2- (N-ethylperfluoro-1-octanesu lfonamido) ethanol	AveID	2.840	3.239		0.285	0.250	14.0	30.0
N-ethylperfluoro-1-octanesul fonamide	AveID	0.9256	0.9460		0.0511	0.0500	2.0	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	2.284	2.252		0.0493	0.0500	-1.0	30.0
13C3 PFPrA	Ave	0.8545	0.7593		1.78	2.00	-11.0	30.0
13C4 PFBA	Ave	1.161	1.153		1.98	2.00	-1.0	30.0
13C5 PFPeA	Ave	0.8217	0.7789		1.90	2.00	-5.0	30.0
13C2 4:2 FTS	Ave	0.2688	0.2598		4.53	4.69	-3.0	30.0
13C5 PFHxA	Ave	1.134	1.115		1.97	2.00	-2.0	30.0
13C3 PFBS	Ave	1.385	1.323		1.78	1.86	-5.0	30.0
13C3 HFPO-DA	Ave	0.7791	0.8110		2.08	2.00	4.0	30.0
13C4 PFHpA	Ave	0.9642	0.9295		1.93	2.00	-4.0	30.0
13C2 6:2 FTS	Ave	0.2032	0.2074		4.86	4.76	2.0	30.0
13C8 PFOA	Ave	1.033	0.9934		1.92	2.00	-4.0	30.0
13C3 PFHxS	Ave	1.017	1.006		1.88	1.90	-1.0	30.0
13C9 PFNA	Ave	0.9623	0.9356		1.94	2.00	-3.0	30.0
M2-8:2 FTS	Ave	0.2535	0.2843		5.38	4.80	12.0	30.0
d3-NMeFOSAA	Ave	0.3888	0.4356		5.60	5.00	12.0	30.0
13C6 PFDA	Ave	1.014	1.012		1.99	2.00	0.0	30.0
d5-NEtFOSAA	Ave	0.3899	0.3722		4.77	5.00	-5.0	30.0
13C8 PFOS	Ave	0.8819	0.8737		1.90	1.92	-1.0	30.0
13C7 PFUnA	Ave	1.153	1.141		1.98	2.00	-1.0	30.0
13C2 PFDoA	Ave	0.9721	0.9720		2.00	2.00	0.0	30.0
13C8 FOSA	Ave	1.146	0.999		1.74	2.00	-13.0	30.0
13C2 PFTeDA	Ave	0.4955	0.5301		2.14	2.00	7.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Lab Sample ID: CCVO 410-737660/1

Calibration Date: 12/02/2025 11:43

Instrument ID: 30570

Calib Start Date: 11/29/2025 11:15

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 11/29/2025 12:50

Lab File ID: 25DEC02-01.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d7-N-MeFOSE-M	Ave	0.1589	0.1487		4.68	5.00	-6.0	30.0
d3-NMePFOSA	Ave	0.2779	0.2639		1.90	2.00	-5.0	30.0
d9-N-EtFOSE-M	Ave	0.1837	0.1794		4.88	5.00	-2.0	30.0
d5-NEtPFOSA	Ave	0.3346	0.3405		2.04	2.00	2.0	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30570\20251202-168561.b\25DEC02-01.d
 Lims ID: CCVO 1_CAL1
 Client ID:
 Sample Type: CCVO
 Inject. Date: 02-Dec-2025 11:43:02 ALS Bottle#: 2 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_INS00003 Instrument ID: 30570
 Sublist: chrom-30570-1633-125ml*sub7
 Method: \\chromfs\Lancaster\ChromData\30570\20251202-168561.b\30570-1633-125ml.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 02-Dec-2025 15:12:48 Calib Date: 29-Nov-2025 12:50:55
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-08.d

Column 1 : Det: EXP1
 Process Host: CTX1712

First Level Reviewer: QY4X Date: 02-Dec-2025 12:16:25

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	1.961	1.961	0.0	0.479	1071377	1.78		88.9	54807	
2 Perfluoropropionic acid										
163.00 > 119.00	1.961	1.961	0.0	1.000	145987	0.2760		110	887	
5 PFBA										
212.80 > 168.90	4.090	4.090	0.0	0.998	76984	0.1036		104	1147	
D 3 13C4-PFBA										
216.80 > 171.90	4.096	4.096	0.0	1.000	1626269	1.98		99.2	5577	
* 4 13C3PFBA										
216.00 > 172.00	4.096	4.096	0.0		1411038	2.00			1121	
6 PFMPA										
229.00 > 84.90	4.406	4.406	0.0	0.931	42092	0.0495		99.0	289	
7 3:3 FTCA										
241.00 > 177.00	4.415	4.415	0.0	0.933	3319	0.0827	Target=1.35	82.7	85.5	
241.00 > 117.00	4.415	4.415	0.0	0.933	2596		1.28(0.68-2.03)		25.3	
D 8 13C5 PFPeA										
268.30 > 223.00	4.734	4.734	0.0	0.912	1312950	1.90		94.8	4285	
9 PFPA										
263.00 > 219.00	4.734	4.734	0.0	1.000	40959	0.0517		103	49.4	
10 PFMBA										
279.00 > 85.10	4.882	4.882	0.0	1.031	55929	0.0494		98.9	555	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.008	5.008	0.0	0.807	799148	4.53		96.6	4718	
11 4:2FTS										
327.10 > 307.00	5.008	5.008	0.0	1.000	29010	0.1035	Target=1.50	110	331	
327.10 > 80.90	5.008	5.008	0.0	1.000	21062		1.38(0.75-2.25)		45.6	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.143	5.143	0.0	0.993	7761	0.0470	Target=1.60	93.9	67.6	
295.00 > 84.90	5.143	5.143	0.0	0.993	5747		1.35(0.80-2.41)		69.4	
D 15 13C5 PFHxA										
318.00 > 273.00	5.181	5.181	0.0	0.998	1879593	1.97		98.4	5076	
* 16 13C2 PFHxA										
315.10 > 270.00	5.191	5.191	0.0		4214184	5.00			6072	
17 PFHxA										
313.00 > 269.00	5.191	5.191	0.0	1.002	47613	0.0525	Target=10.68	105	92.4	
313.00 > 118.90	5.191	5.191	0.0	1.002	4343		10.96(5.34-16.01)		37.7	
18 5:3 FTCA										
341.00 > 237.10	5.268	5.268	0.0	1.017	21571	0.1752	Target=0.91	70.1	186	
341.00 > 217.00	5.268	5.268	0.0	1.017	25486		0.85(0.46-1.37)		144	
19 PFBS										
298.70 > 79.90	5.319	5.319	0.0	1.000	49911	0.0469	Target=2.86	106	178	
298.70 > 98.80	5.319	5.319	0.0	1.000	18726		2.67(1.43-4.30)		107	
D 20 13C3 PFBS										
302.10 > 79.90	5.319	5.319	0.0	0.857	1617117	1.78		95.5	3672	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.373	5.373	0.0	1.035	1367077	2.08		104	3059	
21 HFPO-DA										
284.90 > 168.90	5.373	5.373	0.0	1.000	26808	0.0379	Target=2.59	101	179	
284.90 > 184.90	5.373	5.373	0.0	1.000	9193		2.92(1.30-3.89)		59.6	
23 FBSA										
297.90 > 78.00	5.395	5.395	0.0	1.014	32381	0.0361		72.3	155	
26 PFEESA										
314.80 > 134.90	5.556	5.556	0.0	1.072	115414	0.0421	Target=12.75	94.4	745	
314.80 > 82.90	5.556	5.556	0.0	1.072	9281		12.44(6.37-19.12)		67.6	
28 PFHpA										
363.10 > 319.00	5.599	5.599	0.0	1.000	39171	0.0526	Target=2.26	105	82.0	
363.10 > 169.00	5.599	5.599	0.0	1.000	18079		2.17(1.13-3.39)		102	
D 27 13C4 PFHpA										
367.10 > 322.00	5.599	5.599	0.0	1.079	1566835	1.93		96.4	4961	
29 ADONA										
376.90 > 250.90	5.754	5.754	0.0	1.071	100310	0.0445	Target=1.92	94.1	563	
376.90 > 84.80	5.754	5.754	0.0	1.071	53257		1.88(0.96-2.88)		351	
30 PFPeS										
349.10 > 79.90	5.788	5.788	0.0	0.933	42999	0.0519	Target=3.26	110	226	
349.10 > 98.90	5.788	5.788	0.0	0.933	10155		4.23(1.63-4.89)		50.4	
31 6:2FTS										
427.10 > 407.00	5.799	5.799	0.0	1.000	23626	0.0924	Target=1.68	97.0	7.8	
427.10 > 80.90	5.799	5.799	0.0	1.000	15591		1.52(0.84-2.52)		8.8	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.799	5.799	0.0	0.935	647512	4.86		102	2110	
33 BTS										
280.00 > 147.00	5.948	5.948	0.0	0.959	70538	0.0469		95.9	384	
* 35 13C4 PFOA										
417.10 > 372.00	5.987	5.987	0.0		4945049	5.00			14199	

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	5.987	5.987	0.0	1.000	1964986	1.92		96.1	2336	
36 PFOA										M
413.00 > 369.00	5.998	5.998	0.0	1.002	44481	0.0415	Target=2.08	82.9	53.5	M
413.00 > 169.00	5.987	5.998	-0.011	1.000	22112		2.01(1.04-3.13)		31.5	
37 7:3 FTCA										
441.00 > 316.90	6.058	6.058	0.0	1.169	13424	0.2065	Target=0.45	82.6	87.3	
441.00 > 336.90	6.058	6.058	0.0	1.169	26058		0.52(0.23-0.68)		156	
D 39 13C3 PFHxS										
402.10 > 79.90	6.205	6.205	0.0	1.000	1251100	1.88		98.9	2433	
* 38 18O2 PFHxS										
403.00 > 83.90	6.205	6.205	0.0		1243461	1.90			3038	
40 PFHxS										
398.70 > 79.90	6.214	6.214	0.0	1.001	42787	0.0426	Target=3.32	93.5	13753	
398.70 > 98.90	6.205	6.214	-0.009	1.000	13691		3.13(1.66-4.97)		5796	
43 PFNA										
463.00 > 419.00	6.370	6.370	0.0	1.000	52147	0.0627	Target=2.36	125	72.7	
463.00 > 219.00	6.380	6.370	0.010	1.002	15739		3.31(1.18-3.54)		39.3	
* 41 13C5 PFNA										
468.00 > 423.00	6.370	6.370	0.0		1928293	2.00			10844	
D 42 13C9 PFNA										
472.10 > 427.00	6.370	6.370	0.0	1.000	1804108	1.94		97.2	2197	
44 8:2FTS										
527.10 > 507.00	6.549	6.549	0.0	1.000	22761	0.0925	Target=1.32	96.3	137	
527.10 > 80.80	6.539	6.549	-0.010	0.998	17564		1.30(0.66-1.99)		78.9	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.549	6.549	0.0	1.055	894894	5.38		112	2896	
46 PFECHS										
461.00 > 381.00	6.580	6.580	0.0	1.060	10519	0.0450	Target=0.28	97.4	52.6	
461.00 > 99.00	6.580	6.580	0.0	1.060	36886		0.29(0.14-0.42)		231	
47 PFHpS										
449.00 > 79.90	6.611	6.611	0.0	0.945	35700	0.0457	Target=3.76	95.9	195	
449.00 > 98.80	6.621	6.611	0.010	0.946	9668		3.69(1.88-5.64)		76.8	
53 FHxSA										
397.90 > 78.00	6.652	6.652	0.0	1.072	39594	0.0403		80.7	186	
D 48 d3-NMeFOSAA										
573.20 > 419.00	6.695	6.695	0.0	0.955	1582729	5.60		112	1132	
49 NMeFOSAA										
570.10 > 419.00	6.705	6.705	0.0	1.002	14196	0.0454	Target=1.91	90.8	45.9	
570.10 > 483.00	6.705	6.705	0.0	1.002	9691		1.46(0.96-2.87)		23.9	
* 50 13C2 PFDA										
515.10 > 470.10	6.755	6.755	0.0		1660293	2.00			3804	
D 51 13C6 PFDA										
519.10 > 474.10	6.755	6.755	0.0	1.000	1679612	1.99		99.7	10080	
52 PFDA										
512.90 > 469.00	6.755	6.755	0.0	1.000	44373	0.0529	Target=4.25	106	180	
512.90 > 219.00	6.764	6.755	0.009	1.001	9516		4.66(2.12-6.37)		99.6	

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	6.861	6.861	0.0	0.979	1352305	4.77		95.4	2892	
55 NEtFOSAA										M
584.20 > 419.10	6.871	6.871	0.0	1.001	11387	0.0550	Target=1.44	110	22.9	M
584.20 > 526.00	6.880	6.871	0.009	1.003	8350		1.36(0.72-2.15)		25.3	
D 56 13C8 PFOS										
507.10 > 79.90	6.999	6.999	0.0	0.999	1216486	1.90		99.1	1569	
58 PFOS										
498.90 > 79.90	7.009	7.009	0.0	1.001	47511	0.0488	Target=4.40	105	115	
498.90 > 98.80	7.009	7.009	0.0	1.001	10595		4.48(2.20-6.60)		51.7	
* 57 13C4 PFOS										
502.80 > 79.90	7.009	7.009	0.0		1392414	1.92			6120	
D 59 13C7 PFUnA										
570.00 > 525.10	7.142	7.142	0.0	1.057	1894791	1.98		99.0	4380	
60 PFUnA										
563.10 > 519.00	7.152	7.152	0.0	1.002	44078	0.0530	Target=6.12	106	211	
563.10 > 269.10	7.142	7.152	-0.010	1.000	5501		8.01(3.06-9.18)		31.6	
61 9C1FOS										
530.80 > 351.00	7.315	7.315	0.0	1.045	82606	0.0472	Target=3.14	101	559	
532.80 > 353.00	7.315	7.315	0.0	1.045	24662		3.35(1.57-4.71)		134	
62 PFNS										
548.80 > 79.90	7.398	7.398	0.0	1.057	34416	0.0473	Target=3.48	98.4	309	
548.80 > 98.80	7.398	7.398	0.0	1.057	10631		3.24(1.74-5.23)		147	
D 81 13C2 PFDaA										
615.10 > 570.00	7.539	7.539	0.0	1.116	1613794	2.00		100	2168	
63 PFDaA										
613.10 > 569.00	7.539	7.539	0.0		43683	0.0525	Target=6.22	105	330	
613.10 > 319.00	7.547	7.539	0.008		6916		6.32(3.11-9.33)		88.2	
D 65 13C8 FOSA										
506.10 > 77.80	7.753	7.753	0.0	1.106	1452439	1.74		87.2	2649	
64 PFOSA										M
498.10 > 77.90	7.760	7.760	0.0	1.001	32576	0.0501	Target=53.04	100	81.1	
498.10 > 478.00	7.760	7.760	0.0	1.001	598		54.47(26.52-79.56)		2.2	M
66 PFDS										
599.00 > 79.90	7.791	7.791	0.0	1.113	37941	0.0487	Target=3.66	101	288	
599.00 > 98.80	7.783	7.791	-0.008	1.112	11273		3.37(1.83-5.49)		122	
67 PFTTrDA										
663.00 > 619.00	7.933	7.933	0.0	0.954	45069	0.0513	Target=5.85	103	403	
663.00 > 168.90	7.933	7.933	0.0	0.954	8820		5.11(2.93-8.78)		175	
68 11C1FOS										
630.90 > 450.90	8.089	8.089	0.0	1.156	61444	0.0503	Target=3.12	107	734	
632.90 > 452.90	8.089	8.089	0.0	1.156	18153		3.38(1.56-4.68)		196	
D 69 13C2 PFTeDA										
715.20 > 670.00	8.316	8.316	0.0	1.231	880173	2.14		107	3681	
70 PFTeDA										
713.10 > 168.90	8.316	8.316	0.0	1.000	5692	0.0444	Target=1.15	88.8	81.7	
713.10 > 219.00	8.316	8.316	0.0	1.000	6251		0.91(0.58-1.73)		113	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
71 PFDoS										
699.10 > 79.90	8.533	8.533	0.0	1.219	29990	0.0479	Target=4.11	98.7	150	
699.10 > 98.80	8.533	8.533	0.0	1.219	7631		3.93(2.05-6.16)		123	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.727	8.727	0.0	1.245	540142	4.68		93.5	421	
73 N-MeFOSE-M										
616.10 > 58.90	8.754	8.754	0.0	1.003	65580	0.2608		104	41.3	M
D 74 d3-NMePFOSA										
515.00 > 219.00	8.848	8.848	0.0	1.262	383554	1.90		95.0	1538	
75 NMeFOSA										
511.90 > 219.00	8.848	8.848	0.0	1.000	11107	0.0562	Target=0.69	112	50.7	
511.90 > 169.00	8.848	8.848	0.0	1.000	15594		0.71(0.35-1.04)		52.5	
D 76 d9-N-EtFOSE										
639.20 > 58.90	8.975	8.975	0.0	1.280	651794	4.88		97.6	447	
77 N-EtFOSE-M										
630.00 > 58.90	8.999	8.999	0.0	1.003	105547	0.2851		114	110	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.068	9.068	0.0	1.294	494941	2.04		102	1121	
79 N-EtFOSA-M										
526.00 > 219.00	9.079	9.079	0.0	1.001	11705	0.0511	Target=0.81	102	75.5	
526.00 > 169.00	9.079	9.079	0.0	1.001	13902		0.84(0.41-1.22)		39.4	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.288	9.288	0.0	1.117	49556	0.0493	Target=18.31	98.6	434	
913.00 > 169.00	9.278	9.288	-0.010	1.116	2758		17.97(9.15-27.46)		139	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_CAL1_00068

Amount Added: 1.00

Units: mL

Data File: \\chromfs\Lancaster\ChromData\30570\20251202-168561.b\25DEC02-01.d

Injection Date: 02-Dec-2025 11:43:02

Instrument ID: 30570

Lims ID: CCVO 1_CAL1

Client ID:

Operator ID: ETUS023_USR_INS00003

ALS Bottle#: 2

Worklist Smp#: 1

Injection Vol: 7.0 ul

Dil. Factor: 1.0000

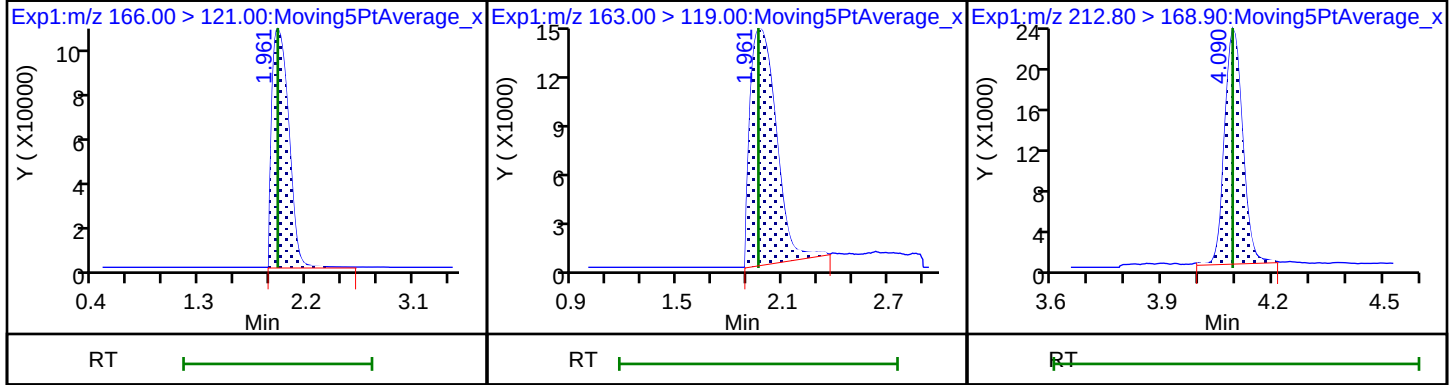
Method: 30570-1633-125ml

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid

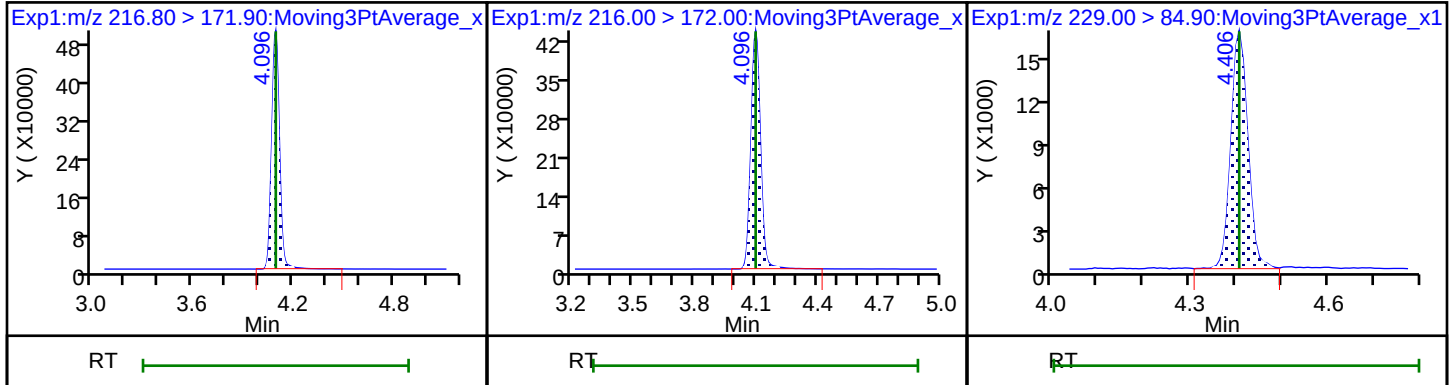
5 PFBA



D 3 13C4-PFBA

* 4 13C3PFBA

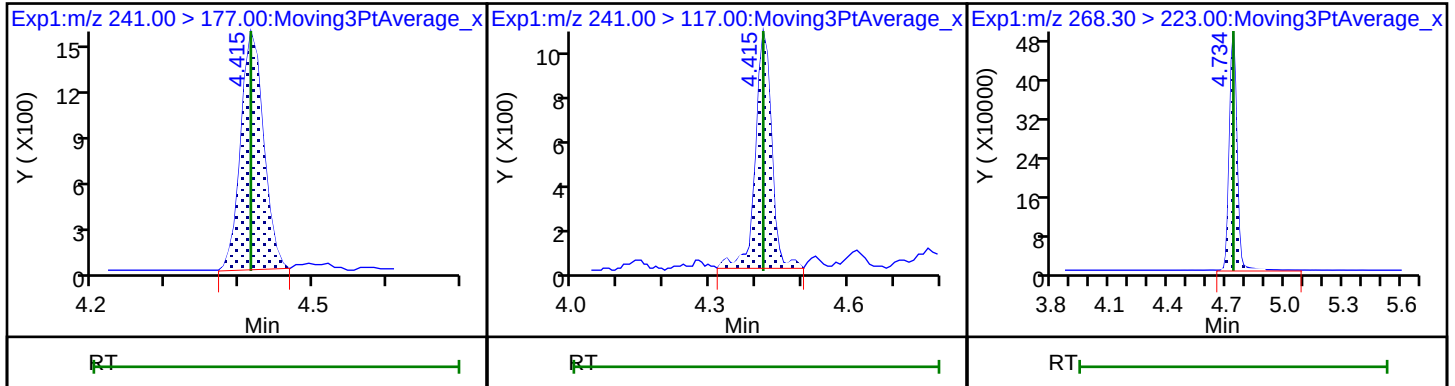
6 PFMPA



7 3:3 FTCA

7 3:3 FTCA

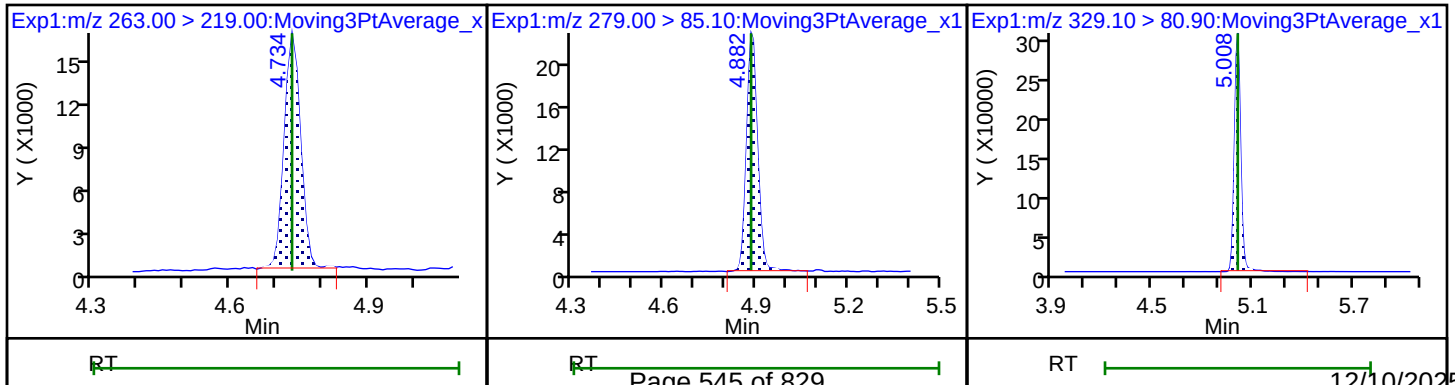
D 8 13C5 PFPeA

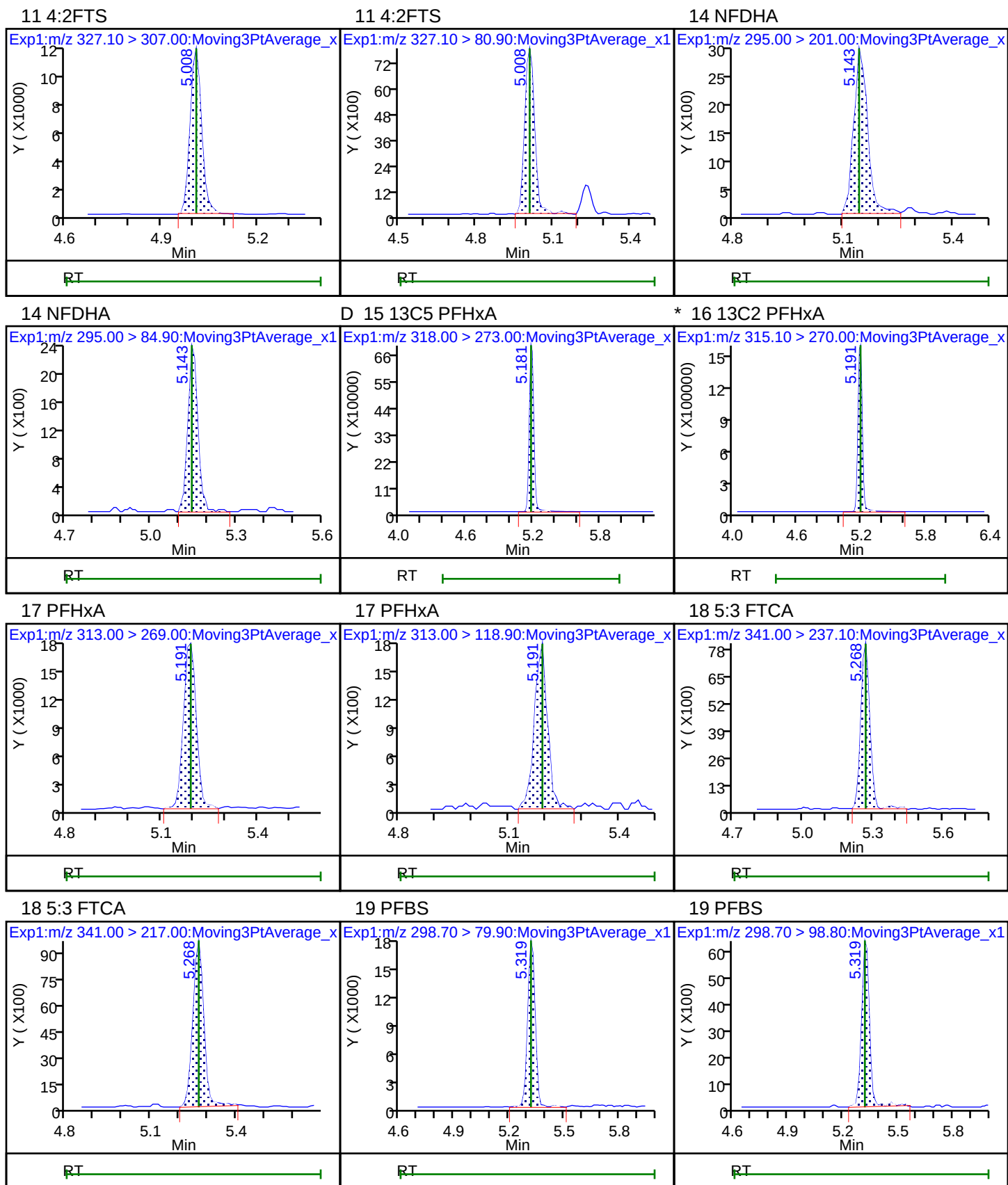


9 PFPA

10 PFMB A

D 13 13C2-4:2FTS

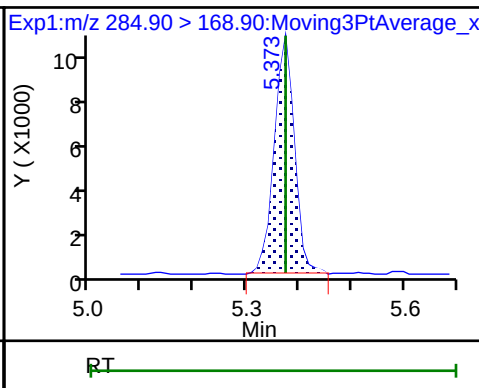
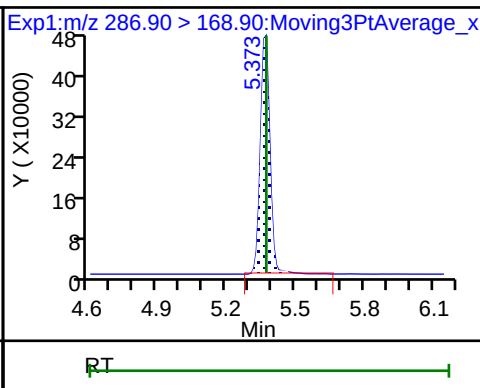
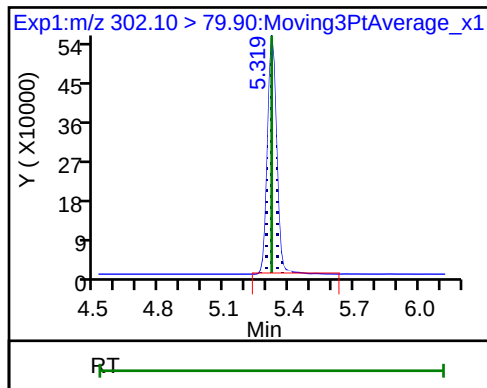




D 20 13C3 PFBS

D 22 13C3 HFPO-DA

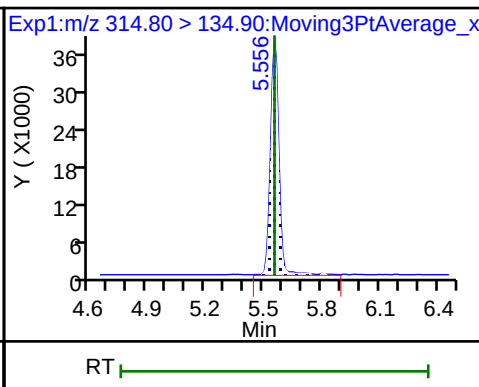
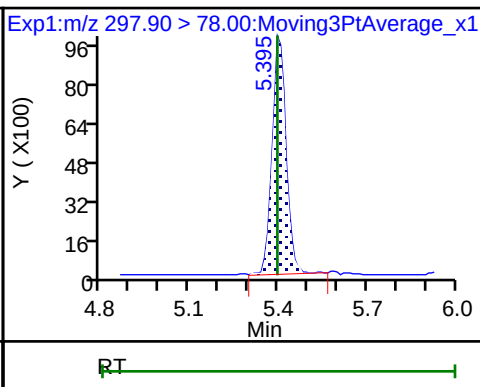
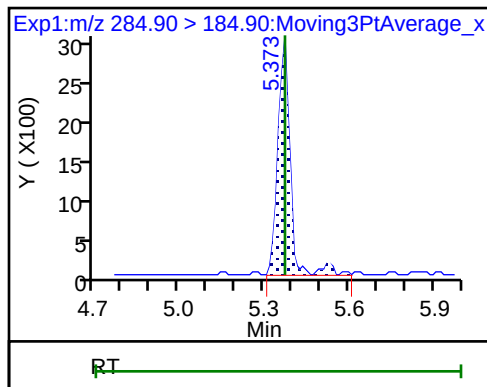
21 HFPO-DA



21 HFPO-DA

23 FBSA

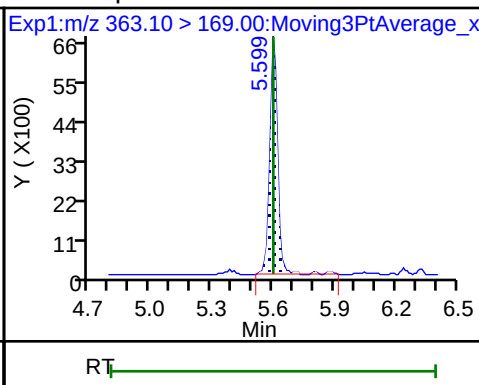
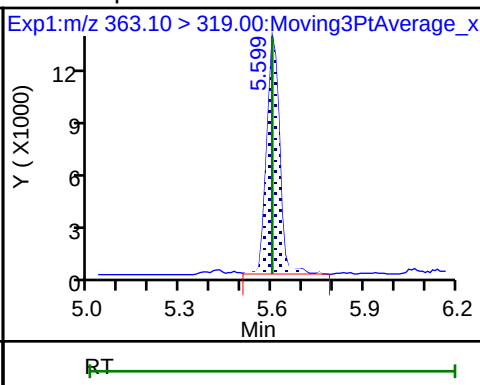
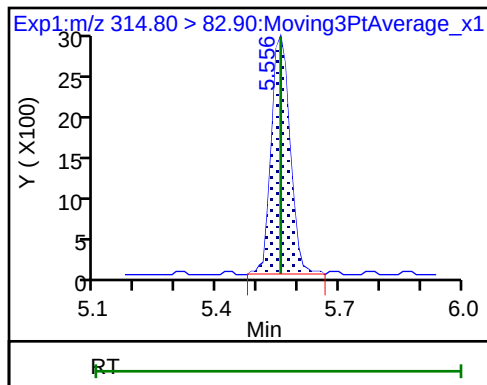
26 PFEESA



26 PFEESA

28 PFHpA

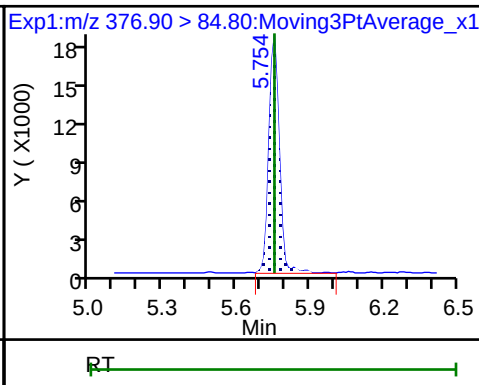
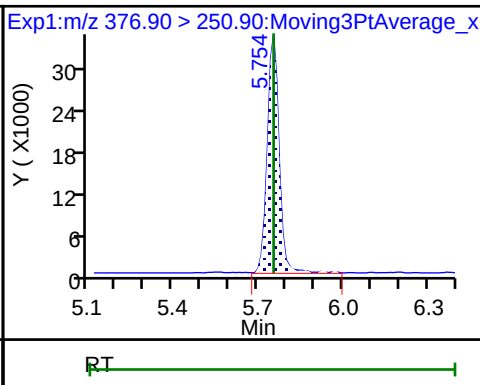
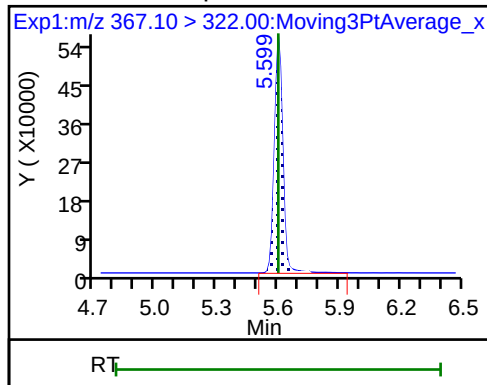
28 PFHpA

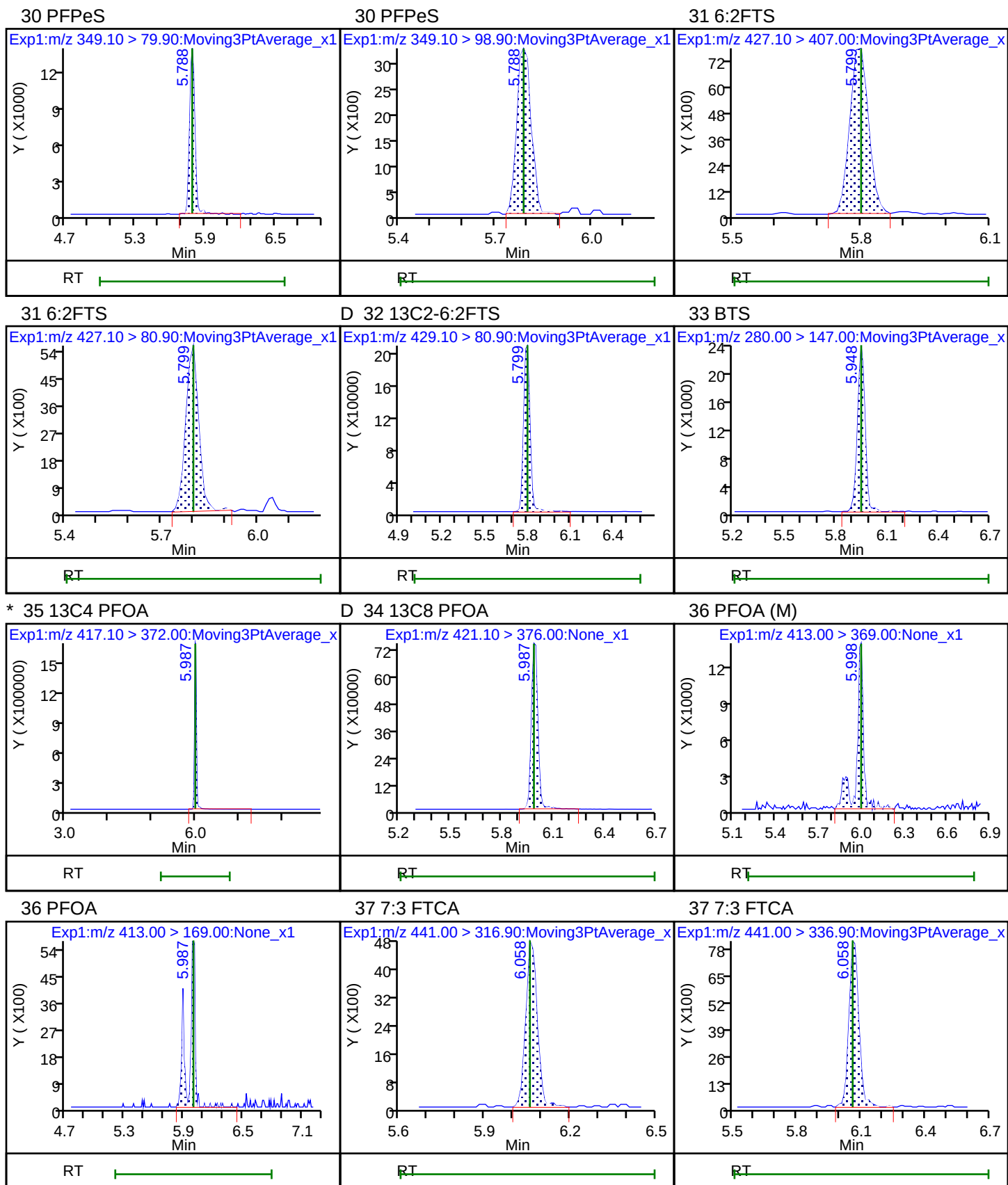


D 27 13C4 PFHpA

29 ADONA

29 ADONA

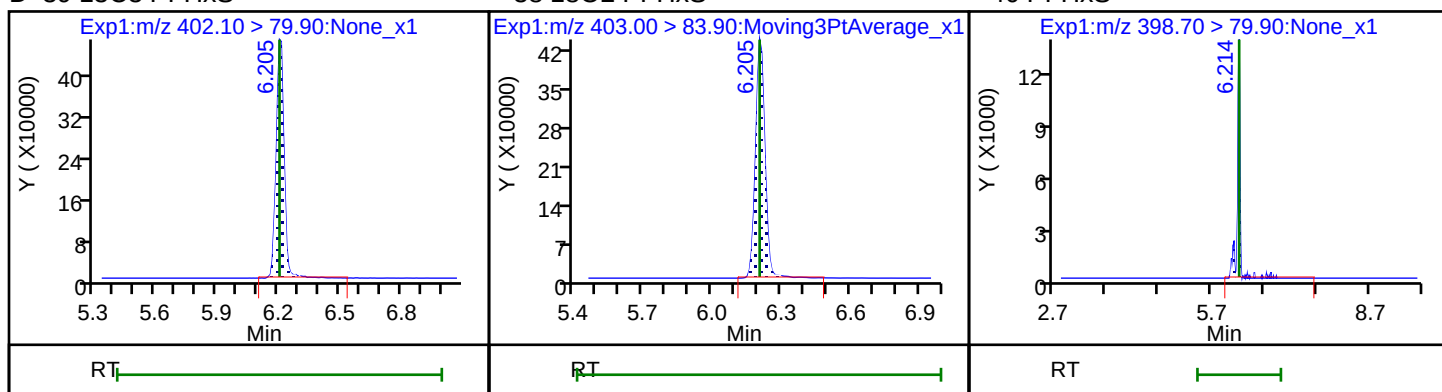




D 39 13C3 PFHxS

* 38 18O2 PFHxS

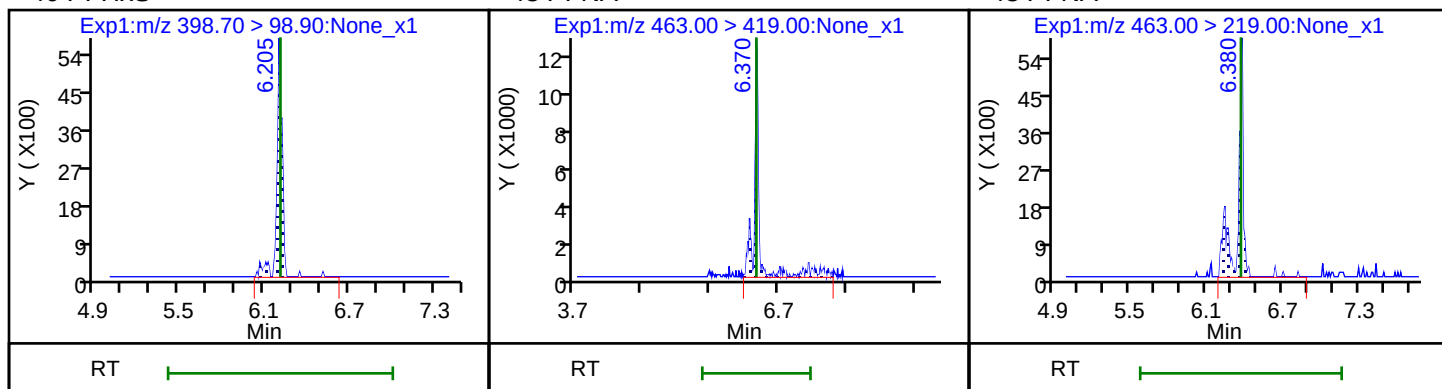
40 PFHxS



40 PFHxS

43 PFNA

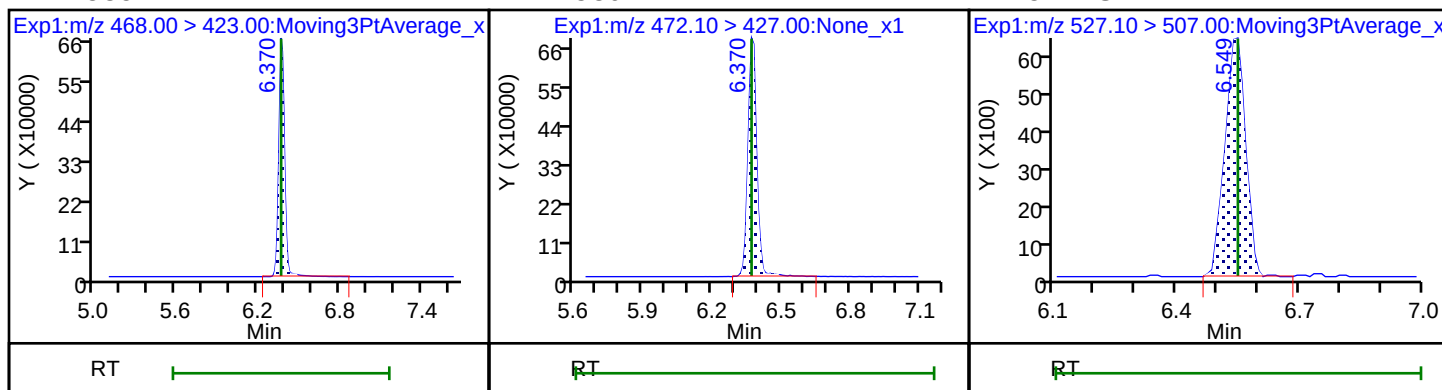
43 PFNA



* 41 13C5 PFNA

D 42 13C9 PFNA

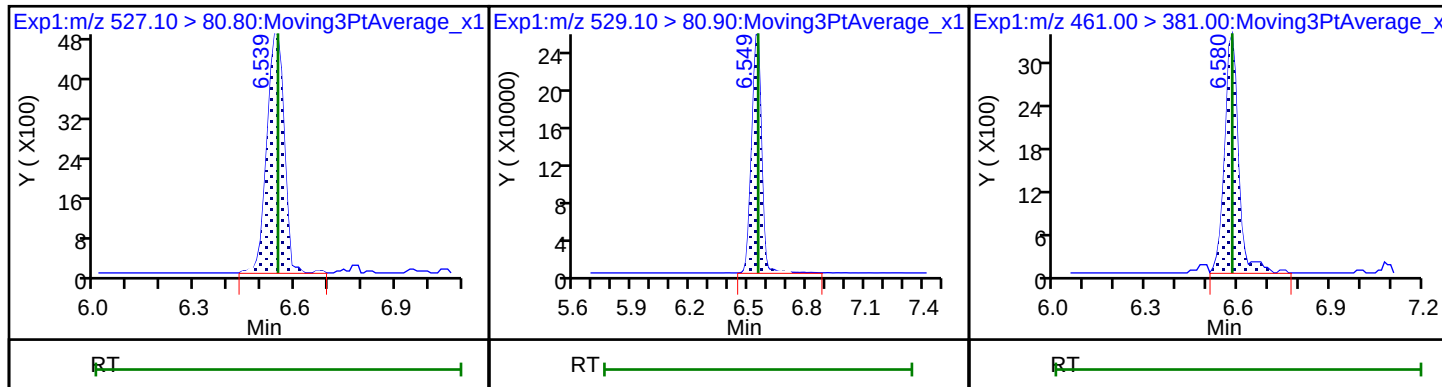
44 8:2FTS

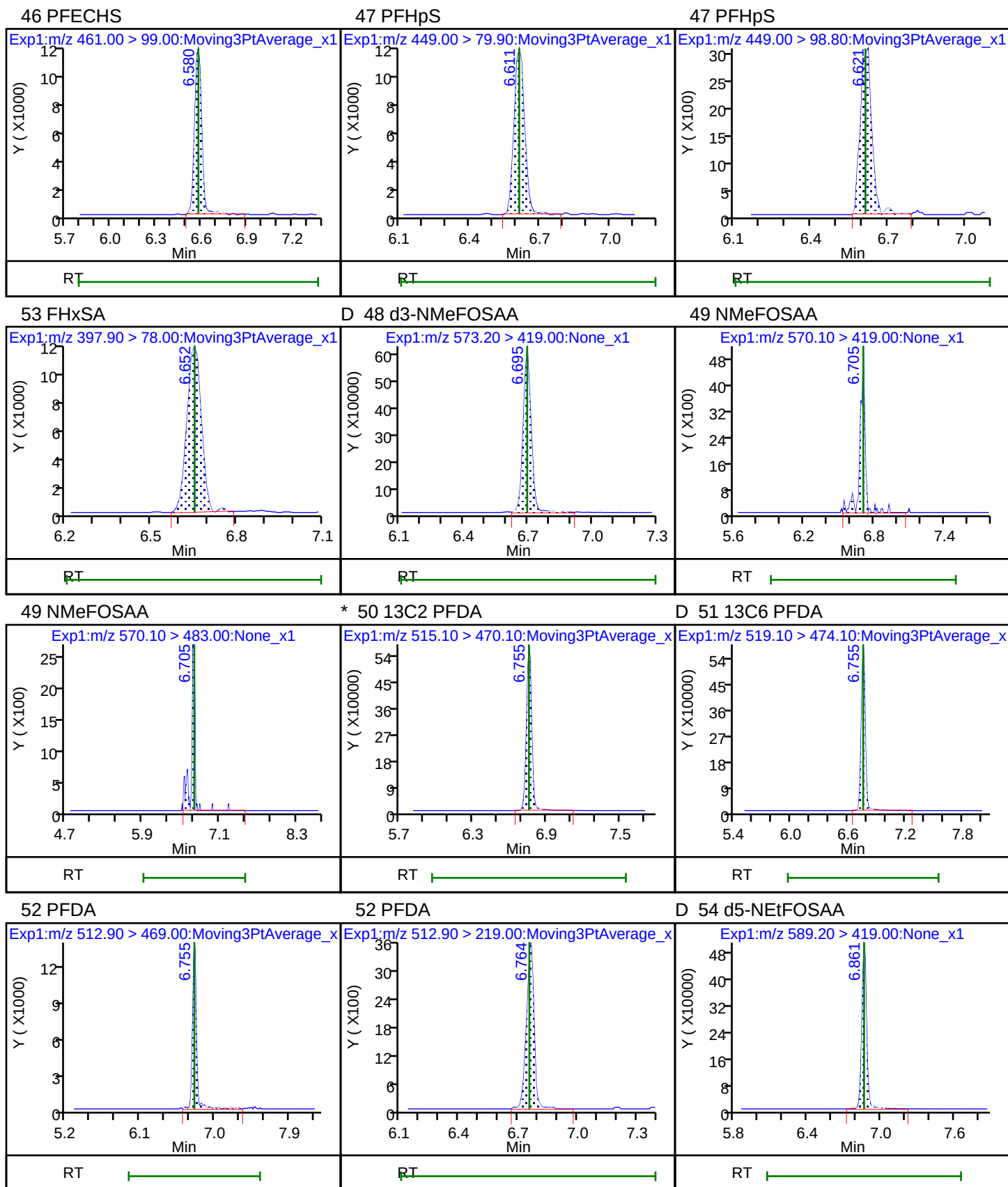


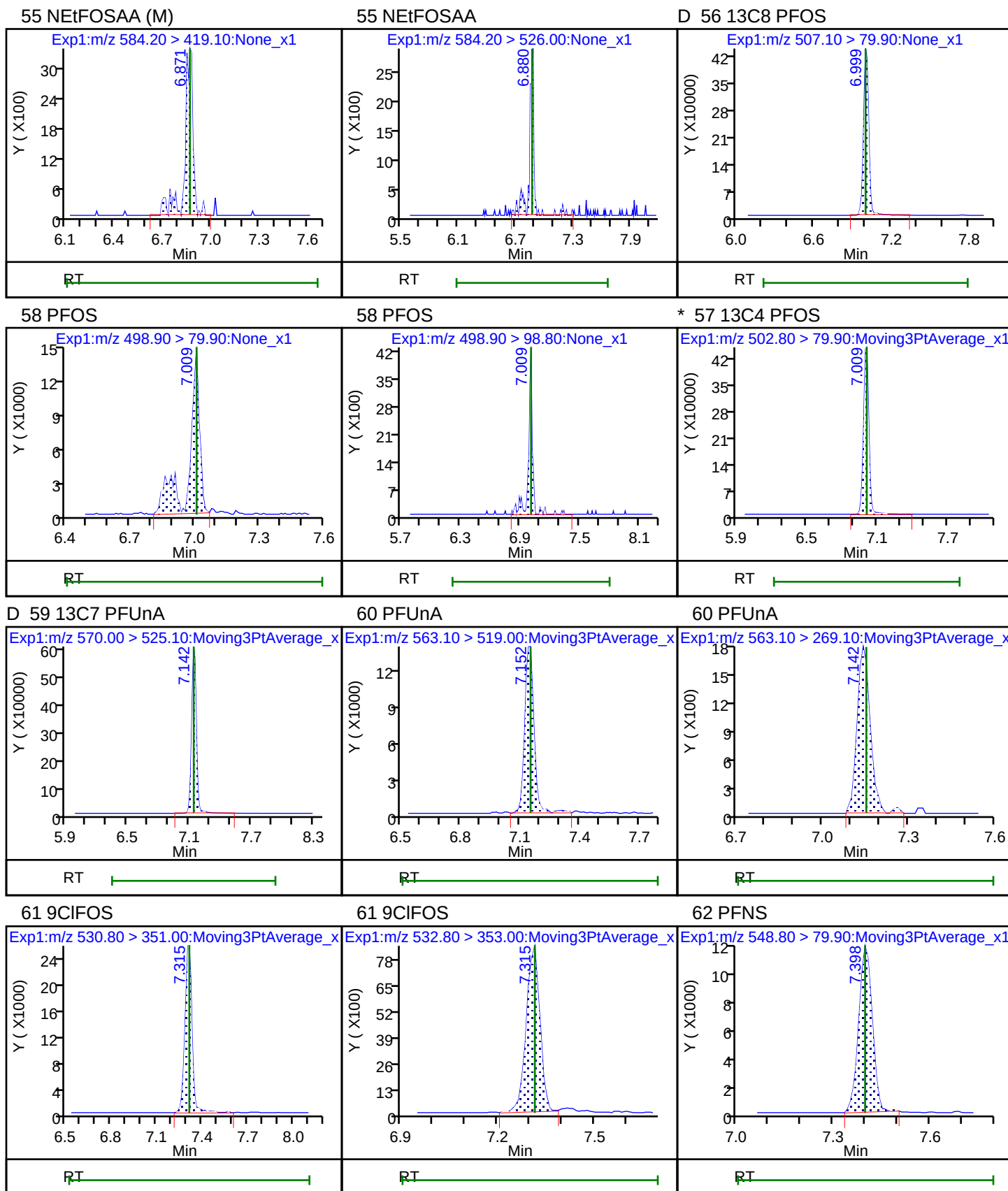
44 8:2FTS

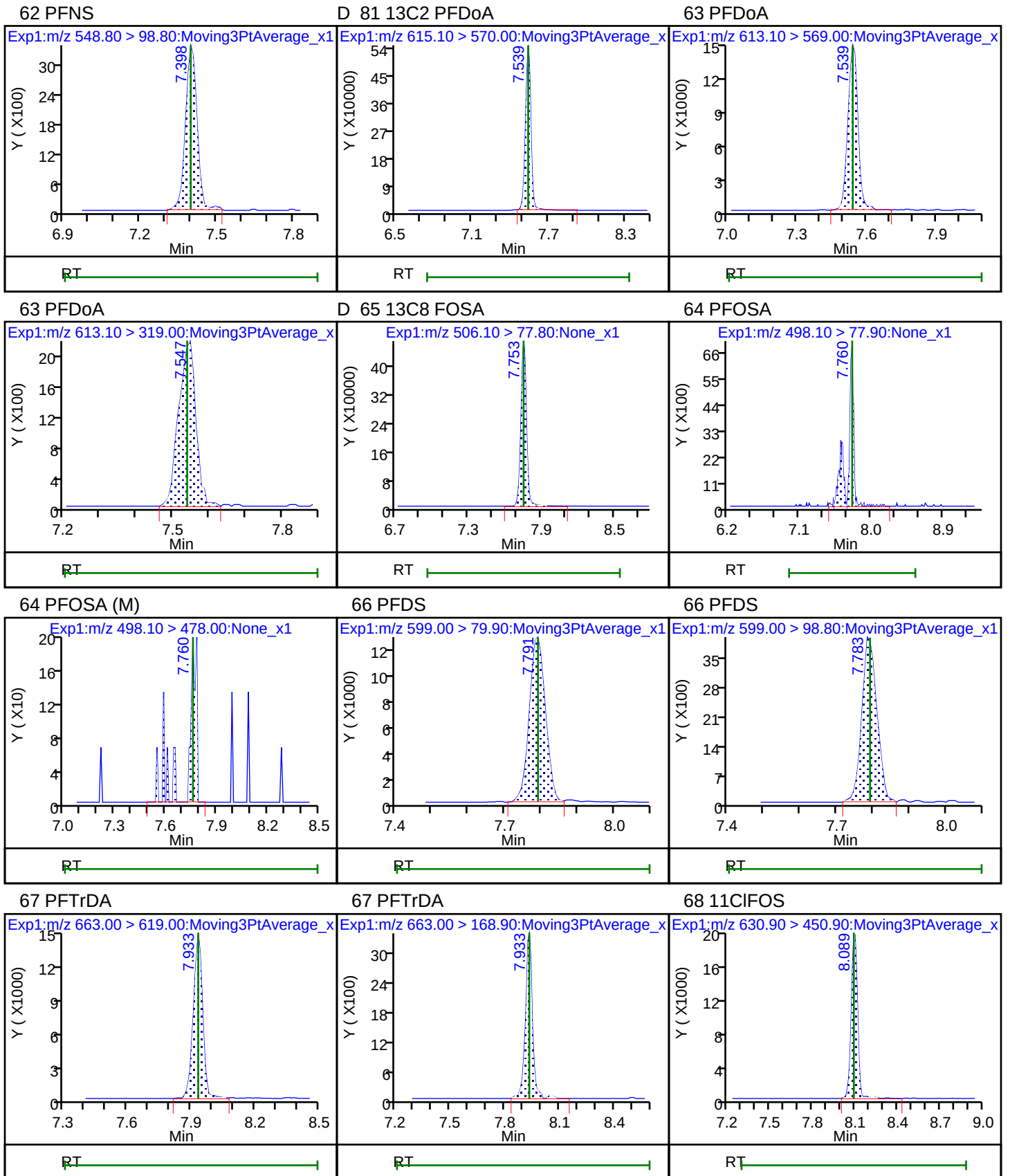
D 45 13C2-8:2FTS

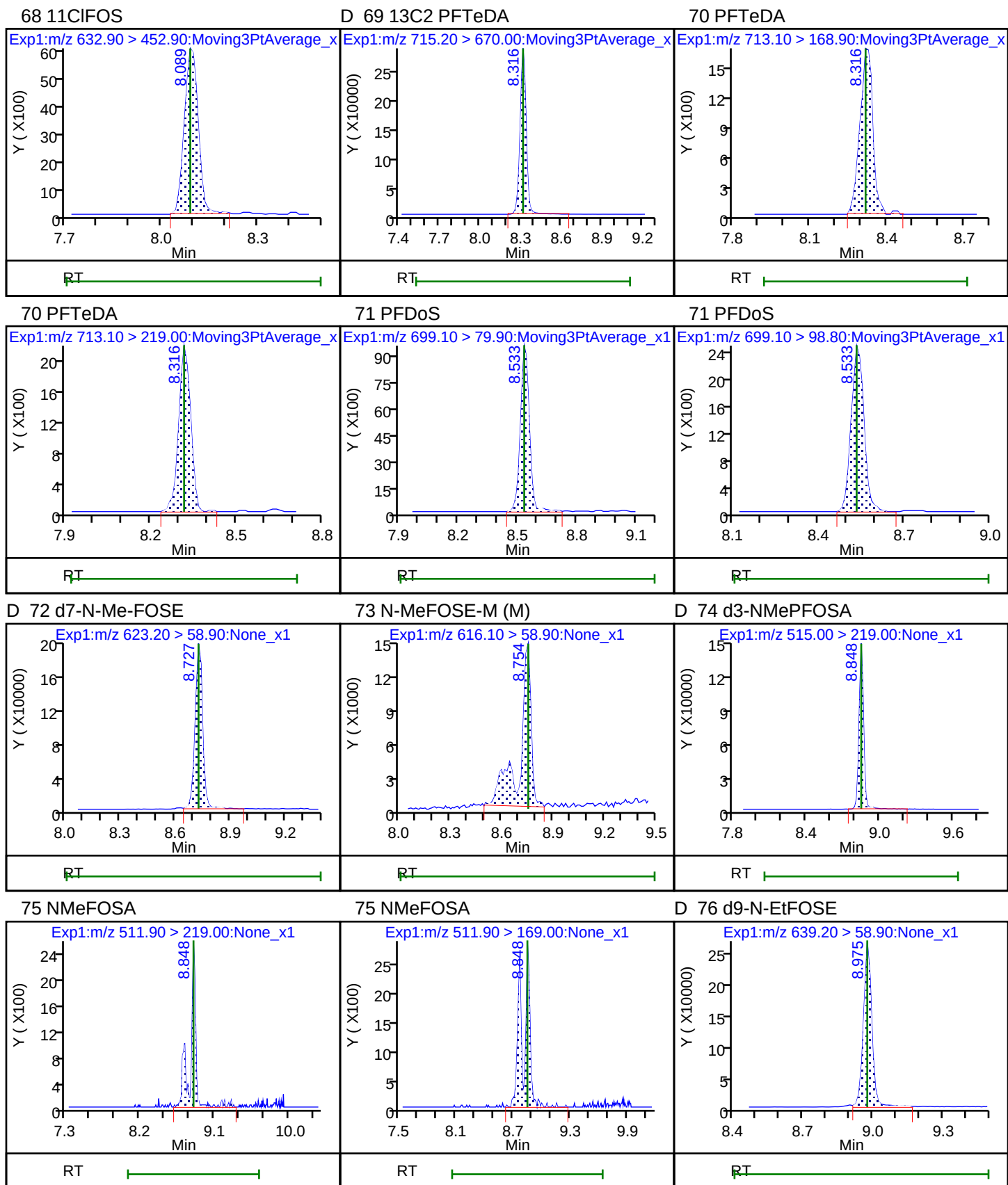
46 PFECHS

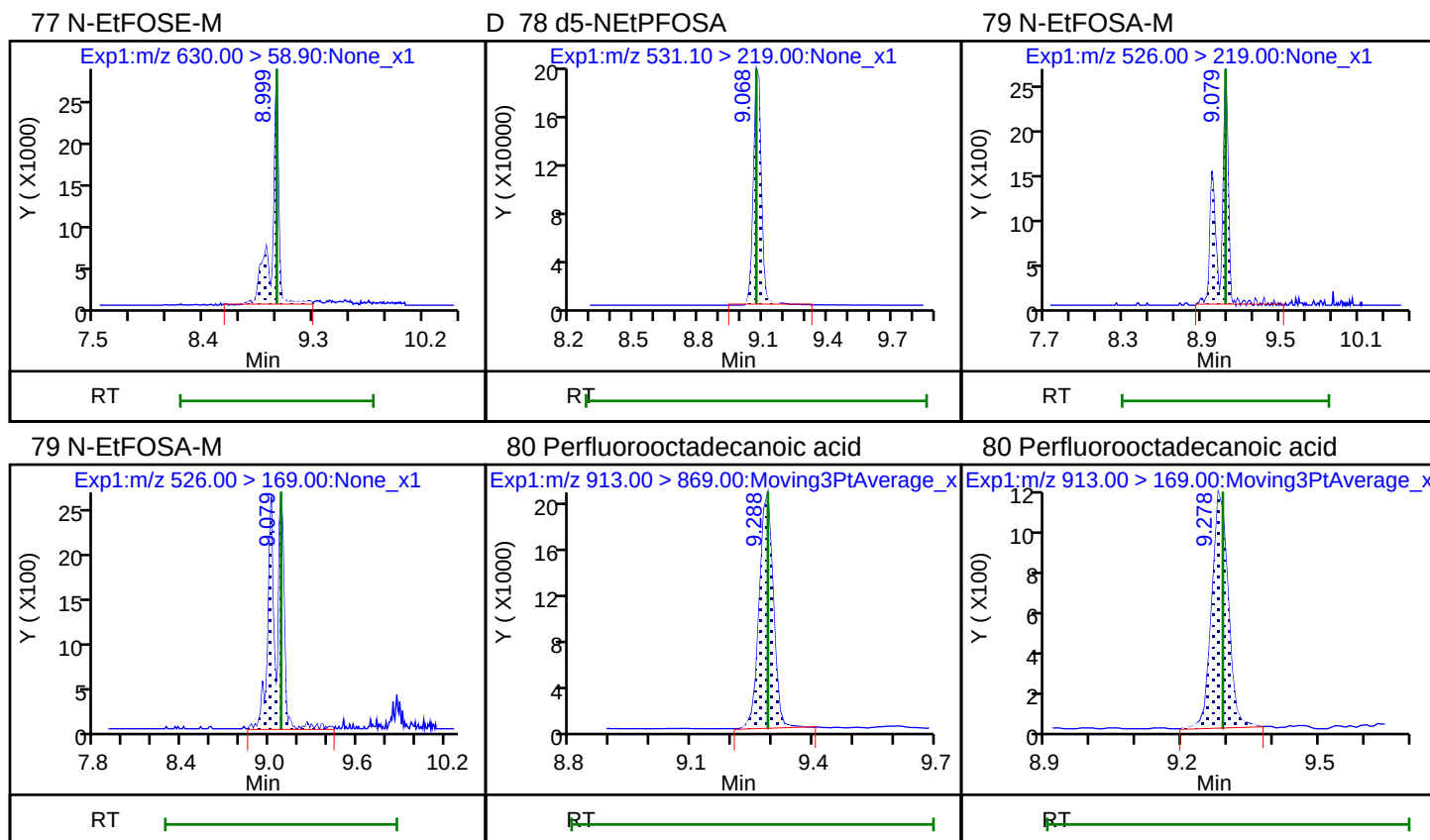












FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Lab Sample ID: CCV 410-737660/125

Calibration Date: 12/02/2025 22:46

Instrument ID: 30570

Calib Start Date: 11/29/2025 11:15

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 11/29/2025 12:50

Lab File ID: 25Dec02-32.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoropropionic acid (PFPrA)	AveID	0.9875	0.9739		4.93	5.00	-1.0	30.0
Perfluorobutanoic acid	AveID	0.9142	0.9017		1.97	2.00	-1.0	30.0
Perfluoro-3-methoxypropanoic acid	AveID	1.295	1.276		0.985	1.00	-1.0	30.0
3-Perfluoropropylpropanoic acid (3:3 FTCA)	AveID	0.0611	0.0501		1.64	2.00	-18.0	30.0
Perfluoropentanoic acid	AveID	1.207	1.258		1.04	1.00	4.0	30.0
Perfluoro(4-methoxybutanoic acid)	AveID	1.723	1.710		0.992	1.00	-1.0	30.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	1.645	1.692		1.93	1.88	3.0	30.0
Perfluoro-3,6-dioxahexanoic acid	AveID	0.1758	0.1867		1.06	1.00	6.0	30.0
Perfluorohexanoic acid	AveID	0.9656	0.9639		0.998	1.00	0.0	30.0
3-Perfluoropentylpropanoic acid (5:3 FTCA)	AveID	0.1310	0.0960		3.66	5.00	-27.0	30.0
Perfluorobutanesulfonic acid	AveID	1.226	1.245		0.902	0.888	2.0	30.0
HFPO-DA	AveID	1.035	1.056		0.765	0.750	2.0	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	1.033	0.8167		0.791	1.00	-21.0	30.0
PFEESA	AveID	2.916	2.781		0.851	0.892	-5.0	30.0
Perfluoroheptanoic acid	AveID	0.9509	0.9653		1.02	1.00	2.0	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	3.296	3.201		0.919	0.946	-3.0	30.0
Perfluoropentanesulfonic acid	AveID	1.255	1.233		0.924	0.940	-2.0	30.0
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	AveID	1.881	1.922		1.95	1.90	2.0	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	2.278	2.239		0.962	0.979	-2.0	30.0
Perfluorooctanoic acid	L2ID		0.9060		1.11	1.00	11.0	30.0
7:3 FTCA	AveID	0.0692	0.0521		3.77	5.00	-25.0	30.0
Perfluorohexanesulfonic acid	L2ID		1.169		0.926	0.912	2.0	30.0
Perfluorononanoic acid	AveID	0.9220	0.8890		0.964	1.00	-4.0	30.0
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	AveID	1.320	1.331		1.94	1.92	1.0	30.0
Perfluoro-4-ethylcyclohexane sulfonic acid (PFECHS)	AveID	0.3542	0.3626		0.946	0.924	2.0	30.0
Perfluoroheptanesulfonic acid	AveID	1.230	1.180		0.916	0.954	-4.0	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	1.488	1.246		0.837	1.00	-16.0	30.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.9877	0.9692		0.981	1.00	-2.0	30.0
Perfluorodecanoic acid	AveID	1.000	0.9394		0.940	1.00	-6.0	30.0
NETFOSAA	AveID	0.7659	0.7775		1.02	1.00	2.0	30.0
Perfluorooctanesulfonic acid	AveID	1.535	1.494		0.905	0.930	-3.0	30.0
Perfluoroundecanoic acid	AveID	0.8783	0.9201		1.05	1.00	5.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Lab Sample ID: CCV 410-737660/125

Calibration Date: 12/02/2025 22:46

Instrument ID: 30570

Calib Start Date: 11/29/2025 11:15

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 11/29/2025 12:50

Lab File ID: 25Dec02-32.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
9-Chlorohexadecafluoro-3-oxa nonane-1-sulfonic acid	AveID	2.755	2.760		0.936	0.934	0.0	30.0
Perfluorononanesulfonic acid	AveID	1.145	1.092		0.917	0.962	-5.0	30.0
Perfluorododecanoic acid	AveID	1.031	1.022		0.992	1.00	-1.0	30.0
Perfluorooctanesulfonamide (PFOSA)	AveID	0.8957	0.8849		0.988	1.00	-1.0	30.0
Perfluorodecanesulfonic acid	AveID	1.228	1.228		0.964	0.964	0.0	30.0
Perfluorotridecanoic acid	AveID	1.409	1.368		0.971	1.00	-3.0	30.0
11-Chloroeicosafluoro-3-oxa undecane-1-sulfonic acid	AveID	1.924	1.914		0.939	0.944	0.0	30.0
Perfluorotetradecanoic acid	AveID	0.2913	0.2552		0.876	1.00	-12.0	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.9869	0.9821		0.965	0.970	0.0	30.0
2- (N-methylperfluoro-1-octanes ulfonamido) ethanol	AveID	2.328	2.251		4.83	5.00	-3.0	30.0
NMeFOSA	AveID	1.030	1.026		0.995	1.00	0.0	30.0
2- (N-ethylperfluoro-1-octanesu lfonamido) ethanol	AveID	2.840	2.878		5.07	5.00	1.0	30.0
N-ethylperfluoro-1-octanesul fonamide	AveID	0.9256	0.9180		0.992	1.00	-1.0	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	2.284	1.965		0.860	1.00	-14.0	30.0
13C3 PFPrA	Ave	0.8545	0.7363		1.72	2.00	-14.0	30.0
13C4 PFBA	Ave	1.161	1.112		1.91	2.00	-4.0	30.0
13C5 PFPeA	Ave	0.8217	0.7677		1.87	2.00	-7.0	30.0
13C2 4:2 FTS	Ave	0.2688	0.2780		4.85	4.69	3.0	30.0
13C5 PFHxA	Ave	1.134	1.096		1.93	2.00	-3.0	30.0
13C3 PFBS	Ave	1.385	1.297		1.75	1.86	-6.0	30.0
13C3 HFPO-DA	Ave	0.7791	0.7675		1.97	2.00	-1.0	30.0
13C4 PFHpA	Ave	0.9642	0.9750		2.02	2.00	1.0	30.0
13C2 6:2 FTS	Ave	0.2032	0.2075		4.86	4.76	2.0	30.0
13C8 PFOA	Ave	1.033	0.9376		1.81	2.00	-9.0	30.0
13C3 PFHxS	Ave	1.017	0.9910		1.85	1.90	-3.0	30.0
13C9 PFNA	Ave	0.9623	0.9246		1.92	2.00	-4.0	30.0
M2-8:2 FTS	Ave	0.2535	0.2604		4.93	4.80	3.0	30.0
d3-NMeFOSAA	Ave	0.3888	0.4154		5.34	5.00	7.0	30.0
13C6 PFDA	Ave	1.014	0.9541		1.88	2.00	-6.0	30.0
d5-NEtFOSAA	Ave	0.3899	0.4101		5.26	5.00	5.0	30.0
13C8 PFOS	Ave	0.8819	0.8435		1.83	1.92	-4.0	30.0
13C7 PFUnA	Ave	1.153	1.025		1.78	2.00	-11.0	30.0
13C2 PFDoA	Ave	0.9721	0.9196		1.89	2.00	-5.0	30.0
13C8 FOSA	Ave	1.146	0.9764		1.70	2.00	-15.0	30.0
13C2 PFTeDA	Ave	0.4955	0.4988		2.01	2.00	1.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Lab Sample ID: CCV 410-737660/125

Calibration Date: 12/02/2025 22:46

Instrument ID: 30570

Calib Start Date: 11/29/2025 11:15

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 11/29/2025 12:50

Lab File ID: 25Dec02-32.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d7-N-MeFOSE-M	Ave	0.1589	0.1477		4.65	5.00	-7.0	30.0
d3-NMePFOSA	Ave	0.2779	0.2667		1.92	2.00	-4.0	30.0
d9-N-EtFOSE-M	Ave	0.1837	0.1750		4.76	5.00	-5.0	30.0
d5-NEtPFOSA	Ave	0.3346	0.3133		1.87	2.00	-6.0	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30570\20251202-168561.b\25Dec02-32.d
 Lims ID: CCV 4_CAL4
 Client ID:
 Sample Type: CCV
 Inject. Date: 02-Dec-2025 22:46:33 ALS Bottle#: 5 Worklist Smp#: 125
 Injection Vol: 7.0 ul Dil. Factor: 1.0000
 Sample Info: CCV
 Misc. Info.: Plate: 1 Rack: 1
 Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570
 Sublist: chrom-30570-1633-125ml*sub7
 Method: \\chromfs\Lancaster\ChromData\30570\20251202-168561.b\30570-1633-125ml.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 03-Dec-2025 08:24:38 Calib Date: 29-Nov-2025 12:50:55
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-08.d

Column 1 : Det: EXP1
 Process Host: CTX1697

First Level Reviewer: VGQ7 Date: 03-Dec-2025 06:51:13

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	1.961	1.961	0.0	0.479	1043836	1.72		86.2	107087	
2 Perfluoropropionic acid										
163.00 > 119.00	1.961	1.961	0.0	1.000	2541387	4.93		98.6	18289	
5 PFBA										
212.80 > 168.90	4.090	4.090	0.0	0.998	1420904	1.97		98.6	16159	
D 3 13C4-PFBA										
216.80 > 171.90	4.096	4.090	0.006	1.000	1575766	1.91		95.7	4932	
* 4 13C3PFBA										
216.00 > 172.00	4.096	4.096	0.0		1417607	2.00			765	
6 PFMPA										
229.00 > 84.90	4.406	4.406	0.0	0.931	797478	0.9855		98.5	3103	
7 3:3 FTCA										
241.00 > 177.00	4.415	4.415	0.0	0.933	62591	1.64	Target=1.35	81.9	974	
241.00 > 117.00	4.415	4.415	0.0	0.933	45191		1.39(0.68-2.03)		445	
9 PFPA										
263.00 > 219.00	4.745	4.734	0.011	1.002	786439	1.04		104	717	
D 8 13C5 PFPeA										
268.30 > 223.00	4.734	4.734	0.0	0.912	1250078	1.87		93.4	3999	
10 PFMBA										
279.00 > 85.10	4.890	4.882	0.008	1.033	1068705	0.99		99.2	3533	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.010	5.008	0.002	0.805	844976	4.85		103	3800	
11 4:2FTS										
327.10 > 307.00	5.010	5.017	-0.007	1.000	571750	1.93	Target=1.50	103	2775	
327.10 > 80.90	5.010	5.017	-0.007	1.000	365861		1.56(0.75-2.25)		563	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.155	5.152	0.003	0.993	166640	1.06	Target=1.60	106	1273	
295.00 > 84.90	5.155	5.152	0.003	0.993	107306		1.55(0.80-2.41)		939	
* 16 13C2 PFHxA										
315.10 > 270.00	5.193	5.190	0.003		4071090	5.00			6635	
17 PFHxA										
313.00 > 269.00	5.193	5.190	0.003	1.000	860308	1.00	Target=10.68	99.8	1287	
313.00 > 118.90	5.193	5.190	0.003	1.000	76971		11.18(5.34-16.01)		545	
D 15 13C5 PFHxA										
318.00 > 273.00	5.193	5.190	0.003	1.000	1785095	1.93		96.7	8420	
18 5:3 FTCA										
341.00 > 237.10	5.270	5.268	0.002	1.015	428243	3.66	Target=0.91	73.3	1522	
341.00 > 217.00	5.270	5.268	0.002	1.015	481108		0.89(0.46-1.37)		1625	
19 PFBS										
298.70 > 79.90	5.332	5.329	0.003	1.000	929641	0.9018	Target=2.86	102	2908	
298.70 > 98.80	5.332	5.329	0.003	1.000	311452		2.98(1.43-4.30)		1367	
D 20 13C3 PFBS										
302.10 > 79.90	5.332	5.329	0.003	0.857	1566962	1.75		93.6	4148	
21 HFPO-DA										
284.90 > 168.90	5.377	5.373	0.004	1.000	494852	0.7649	Target=2.59	102	1280	
284.90 > 184.90	5.377	5.373	0.004	1.000	195388		2.53(1.30-3.89)		882	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.377	5.373	0.004	1.035	1249828	1.97		98.5	4174	
23 FBSA										
297.90 > 78.00	5.399	5.406	-0.007	1.012	686523	0.7906		79.1	2011	
26 PFEESA										
314.80 > 134.90	5.570	5.566	0.004	1.073	2213826	0.8506	Target=12.75	95.4	6355	
314.80 > 82.90	5.570	5.566	0.004	1.073	188348		11.75(6.37-19.12)		1623	
D 27 13C4 PFHpA										
367.10 > 322.00	5.613	5.610	0.003	1.081	1587647	2.02		101	5331	
28 PFHpA										
363.10 > 319.00	5.613	5.610	0.003	1.000	766287	1.02	Target=2.26	102	1342	
363.10 > 169.00	5.613	5.610	0.003	1.000	333909		2.29(1.13-3.39)		1444	
29 ADONA										
376.90 > 250.90	5.767	5.765	0.002	1.073	1892178	0.9187	Target=1.92	97.1	4144	
376.90 > 84.80	5.767	5.765	0.002	1.073	1012956		1.87(0.96-2.88)		4674	
30 PFPeS										
349.10 > 79.90	5.801	5.799	0.002	0.932	744385	0.9237	Target=3.26	98.3	1810	
349.10 > 98.90	5.801	5.799	0.002	0.932	228988		3.25(1.63-4.89)		1376	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.801	5.810	-0.009	0.932	640201	4.86		102	2136	
31 6:2FTS										
427.10 > 407.00	5.813	5.810	0.003	1.002	492115	1.95	Target=1.68	102	96.8	
427.10 > 80.90	5.813	5.810	0.003	1.002	291559		1.69(0.84-2.52)		122	
33 BTS										
280.00 > 147.00	5.960	5.957	0.003	0.957	1407989	0.9624		98.3	8105	
D 34 13C8 PFOA										
421.10 > 376.00	6.000	6.007	-0.007	1.000	1799740	1.81		90.7	1145	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
36 PFOA										
413.00 > 369.00	6.010	6.007	0.003	1.002	815326	1.11	Target=2.08	111	968	
413.00 > 169.00	6.010	6.007	0.003	1.002	378135		2.16(1.04-3.13)		559	
* 35 13C4 PFOA										
417.10 > 372.00	6.000	6.007	-0.007		4798682	5.00			41320	
37 7:3 FTCA										
441.00 > 316.90	6.078	6.076	0.002	1.170	232520	3.77	Target=0.45	75.3	1150	
441.00 > 336.90	6.078	6.076	0.002	1.170	489407		0.48(0.23-0.68)		1536	
* 38 18O2 PFHxS										
403.00 > 83.90	6.225	6.223	0.002		1228673	1.90			5133	
D 39 13C3 PFHxS										
402.10 > 79.90	6.225	6.223	0.002	1.000	1217668	1.85		97.5	1628	
40 PFHxS										
398.70 > 79.90	6.225	6.223	0.002	1.000	684674	0.9260	Target=3.32	102	685	
398.70 > 98.90	6.225	6.223	0.002	1.000	194994		3.51(1.66-4.97)		582	
43 PFNA										
463.00 > 419.00	6.391	6.389	0.002	1.000	812585	0.9642	Target=2.36	96.4	1546	
463.00 > 219.00	6.391	6.389	0.002	1.000	331058		2.45(1.18-3.54)		623	
* 41 13C5 PFNA										
468.00 > 423.00	6.391	6.399	-0.008		1977260	2.00			7826	
D 42 13C9 PFNA										
472.10 > 427.00	6.391	6.399	-0.008	1.000	1828117	1.92		96.1	3010	
44 8:2FTS										
527.10 > 507.00	6.561	6.568	-0.007	1.000	431065	1.94	Target=1.32	101	679	
527.10 > 80.80	6.561	6.568	-0.007	1.000	334664		1.29(0.66-1.99)		839	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.561	6.568	-0.007	1.054	809856	4.93		103	1644	
46 PFECHS										
461.00 > 381.00	6.592	6.610	-0.018	1.059	215203	0.9461	Target=0.28	102	980	
461.00 > 99.00	6.603	6.610	-0.007	1.061	738075		0.29(0.14-0.42)		2240	
47 PFHpS										
449.00 > 79.90	6.634	6.631	0.003	0.943	732716	0.9155	Target=3.76	96.0	1890	
449.00 > 98.80	6.634	6.631	0.003	0.943	203895		3.59(1.88-5.64)		1575	
53 FHxSA										
397.90 > 78.00	6.665	6.662	0.003	1.071	800143	0.8373		83.7	1882	
D 48 d3-NMeFOSAA										
573.20 > 419.00	6.718	6.715	0.003	0.955	1602492	5.34		107	1688	
49 NMeFOSAA										
570.10 > 419.00	6.718	6.725	-0.007	1.000	310643	0.9813	Target=1.91	98.1	915	
570.10 > 483.00	6.718	6.725	-0.007	1.000	155493		2.00(0.96-2.87)		409	
D 51 13C6 PFDA										
519.10 > 474.10	6.775	6.781	-0.006	1.000	1733908	1.88		94.0	6992	
* 50 13C2 PFDA										
515.10 > 470.10	6.775	6.781	-0.006		1817282	2.00			5420	
52 PFDA										
512.90 > 469.00	6.775	6.781	-0.006	1.000	814423	0.9397	Target=4.25	94.0	3193	
512.90 > 219.00	6.775	6.781	-0.006	1.000	197869		4.12(2.12-6.37)		560	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
55 NEtFOSAA										
584.20 > 419.10	6.892	6.889	0.003	1.001	246002	1.02	Target=1.44	102	794	
584.20 > 526.00	6.892	6.889	0.003	1.001	178811		1.38(0.72-2.15)		558	
D 54 d5-NEtFOSAA										
589.20 > 419.00	6.882	6.889	-0.007	0.979	1582055	5.26		105	1657	
D 56 13C8 PFOS										
507.10 > 79.90	7.032	7.029	0.003	1.000	1246892	1.83		95.6	1126	
* 57 13C4 PFOS										
502.80 > 79.90	7.032	7.029	0.003		1478150	1.92			9060	
58 PFOS										
498.90 > 79.90	7.032	7.039	-0.007	1.000	904059	0.9052	Target=4.40	97.3	1452	
498.90 > 98.80	7.032	7.039	-0.007	1.000	202280		4.47(2.20-6.60)		656	
D 59 13C7 PFUnA										
570.00 > 525.10	7.175	7.173	0.002	1.059	1862459	1.78		88.9	4385	
60 PFUnA										
563.10 > 519.00	7.175	7.173	0.002	1.000	856840	1.05	Target=6.12	105	3034	
563.10 > 269.10	7.175	7.173	0.002	1.000	135050		6.34(3.06-9.18)		742	
61 9ClFOS										
530.80 > 351.00	7.336	7.342	-0.006	1.043	1677609	0.9357	Target=3.14	100	7639	
532.80 > 353.00	7.336	7.342	-0.006	1.043	514482		3.26(1.57-4.71)		3289	
62 PFNS										
548.80 > 79.90	7.427	7.433	-0.006	1.056	683583	0.9173	Target=3.48	95.4	1871	
548.80 > 98.80	7.427	7.433	-0.006	1.056	191221		3.57(1.74-5.23)		1457	
D 81 13C2 PFDaA										
615.10 > 570.00	7.573	7.571	0.002	1.118	1671159	1.89		94.6	2592	
63 PFDaA										
613.10 > 569.00	7.573	7.571	0.002		853947	0.99	Target=6.22	99.2	1721	
613.10 > 319.00	7.573	7.571	0.002		141750		6.02(3.11-9.33)		790	
D 65 13C8 FOSA										
506.10 > 77.80	7.785	7.783	0.002	1.107	1506525	1.70		85.2	1763	
64 PFOSA										
498.10 > 77.90	7.785	7.783	0.002	1.000	666558	0.9879	Target=53.04	98.8	1526	
498.10 > 478.00	7.785	7.783	0.002	1.000	12359		53.93(26.52-79.56)		27.7	
66 PFDS										
599.00 > 79.90	7.826	7.832	-0.006	1.113	770296	0.9641	Target=3.66	100	2605	
599.00 > 98.80	7.826	7.832	-0.006	1.113	214837		3.59(1.83-5.49)		2601	
67 PFTTrDA										
663.00 > 619.00	7.971	7.968	0.003	0.953	881278	0.9705	Target=5.85	97.1	3631	
663.00 > 168.90	7.971	7.968	0.003	0.953	152303		5.79(2.93-8.78)		835	
68 11ClFOS										
630.90 > 450.90	8.138	8.136	0.002	1.157	1175839	0.9393	Target=3.12	99.5	3383	
632.90 > 452.90	8.138	8.136	0.002	1.157	380172		3.09(1.56-4.68)		2197	
D 69 13C2 PFTeDA										
715.20 > 670.00	8.360	8.357	0.003	1.234	906520	2.01		101	3918	
70 PFTeDA										
713.10 > 168.90	8.360	8.367	-0.007	1.000	115678	0.8761	Target=1.15	87.6	1609	
713.10 > 219.00	8.360	8.367	-0.007	1.000	96287		1.20(0.58-1.73)		668	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
71 PFDoS										
699.10 > 79.90	8.576	8.584	-0.008	1.220	619962	0.9653	Target=4.11	99.5	1111	
699.10 > 98.80	8.576	8.584	-0.008	1.220	154973		4.00(2.05-6.16)		1343	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.743	8.754	-0.011	1.243	569683	4.65		92.9	432	
73 N-MeFOSE-M										
616.10 > 58.90	8.756	8.768	-0.012	1.002	1282397	4.83		96.7	1984	
D 74 d3-NMePFOSA										
515.00 > 219.00	8.849	8.874	-0.025	1.258	411533	1.92		96.0	1409	
75 NMeFOSA										
511.90 > 219.00	8.862	8.874	-0.012	1.001	211018	1.00	Target=0.69	99.5	839	
511.90 > 169.00	8.862	8.874	-0.012	1.001	297776		0.71(0.35-1.04)		862	
D 76 d9-N-EtFOSE										
639.20 > 58.90	8.989	8.999	-0.010	1.278	675177	4.76		95.3	428	
77 N-EtFOSE-M										
630.00 > 58.90	9.001	9.022	-0.021	1.001	1943150	5.07		101	2398	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.081	9.091	-0.010	1.291	483470	1.87		93.6	1991	
79 N-EtFOSA-M										
526.00 > 219.00	9.092	9.102	-0.010	1.001	221917	0.99	Target=0.81	99.2	1098	
526.00 > 169.00	9.081	9.102	-0.021	1.000	267769		0.83(0.41-1.22)		563	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.320	9.319	0.001	1.115	890552	0.8602	Target=18.31	86.0	4545	
913.00 > 169.00	9.320	9.319	0.001	1.115	47817		18.62(9.15-27.46)		1269	

QC Flag Legend

Processing Flags

Reagents:

1633_125_CAL4_00069

Amount Added: 1.00

Units: mL

Data File: \\chromfs\Lancaster\ChromData\30570\20251202-168561.b\25Dec02-32.d

Injection Date: 02-Dec-2025 22:46:33

Instrument ID: 30570

Lims ID: CCV 4_CAL4

Client ID:

Operator ID: ETUS023_USR_INS00003

ALS Bottle#: 5

Worklist Smp#: 125

Injection Vol: 7.0 ul

Dil. Factor: 1.0000

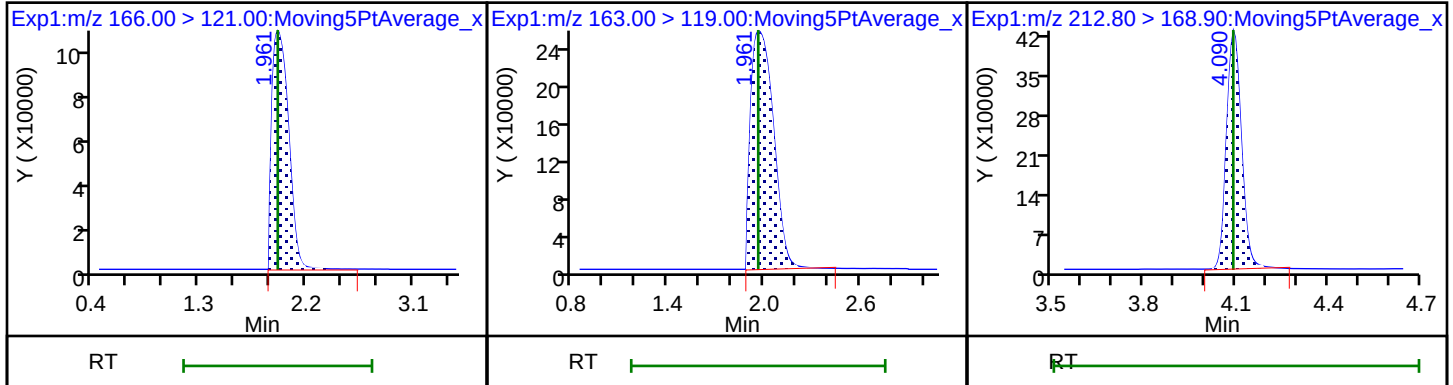
Method: 30570-1633-125ml

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid

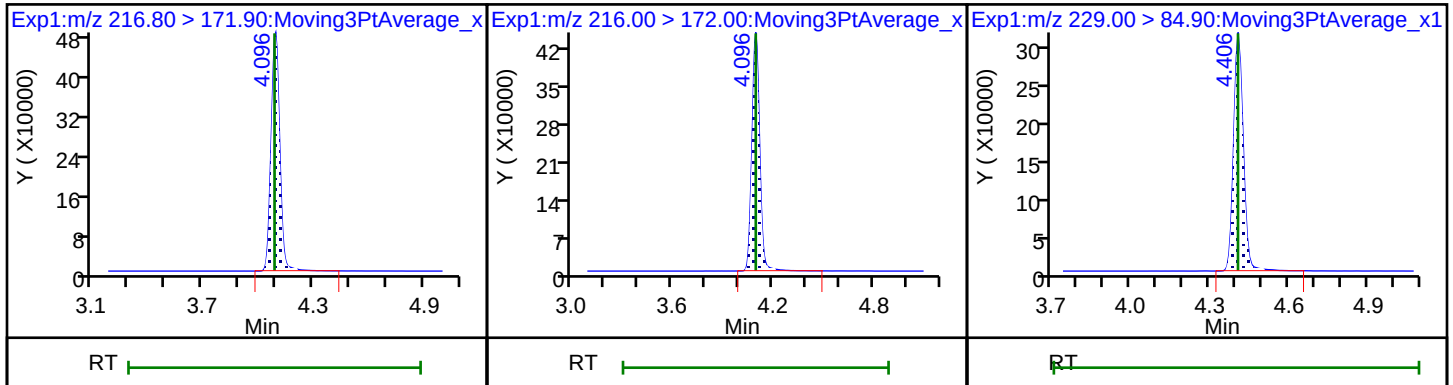
5 PFBA



D 3 13C4-PFBA

* 4 13C3PFBA

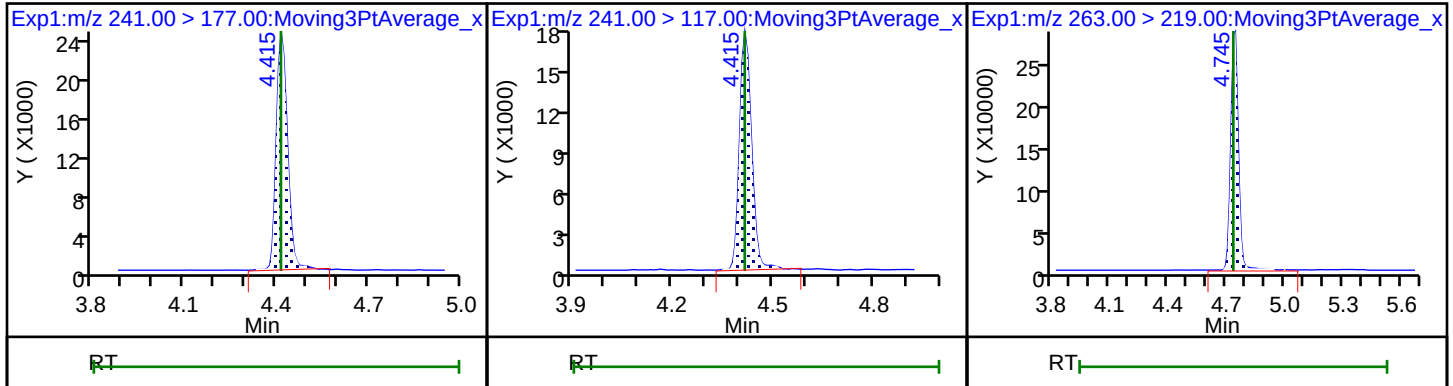
6 PFMPA



7 3:3 FTCA

7 3:3 FTCA

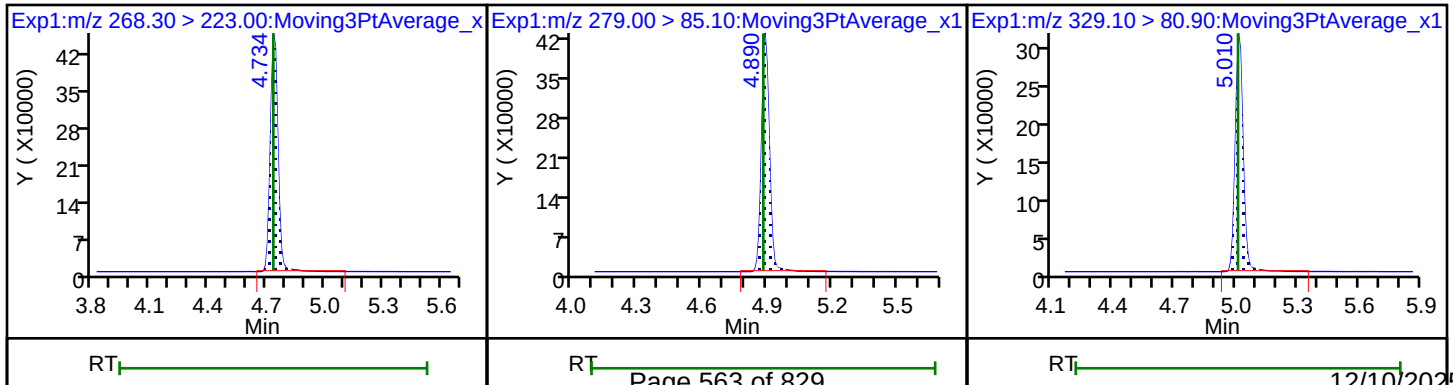
9 PFPA

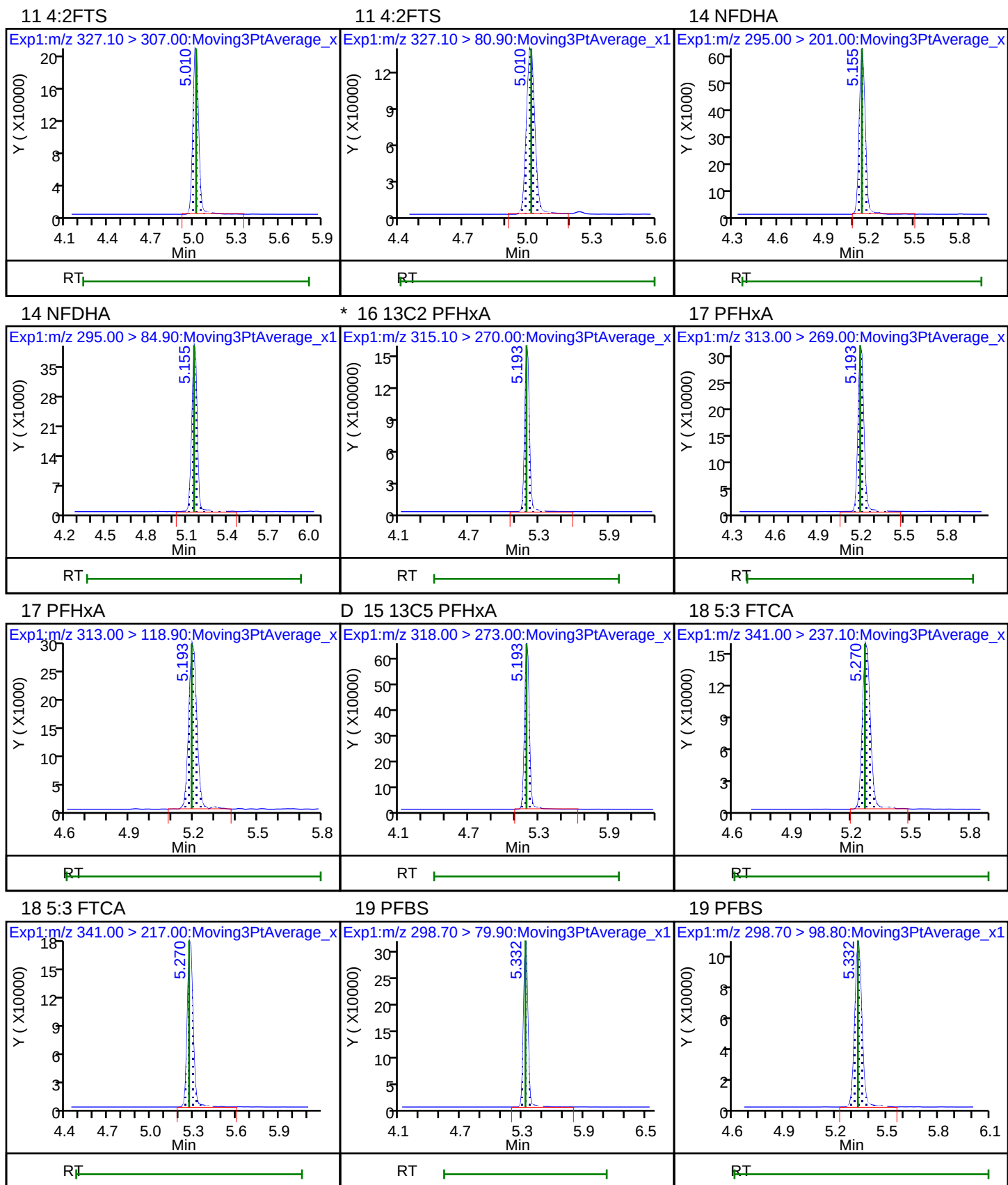


D 8 13C5 PFPeA

10 PFMBa

D 13 13C2-4:2Fts

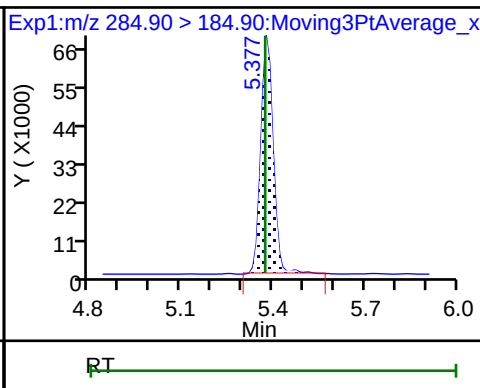
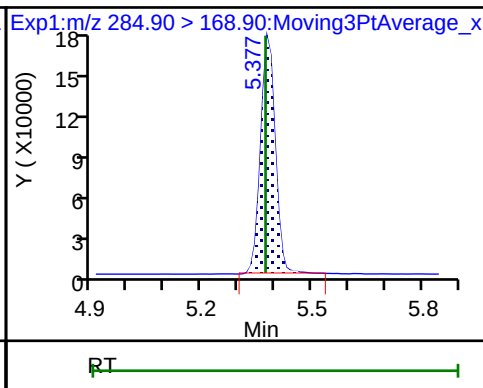
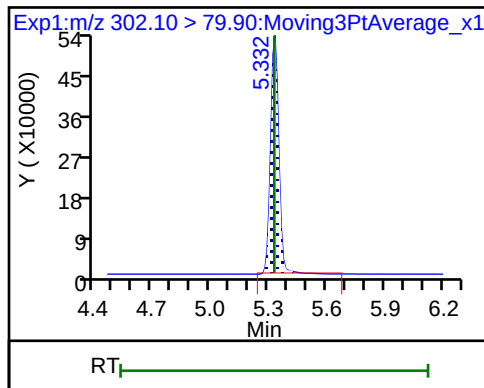




D 20 13C3 PFBS

21 HFPO-DA

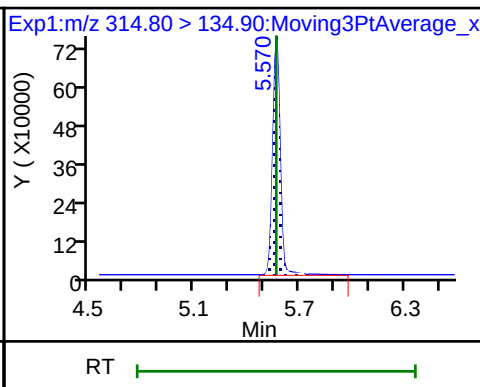
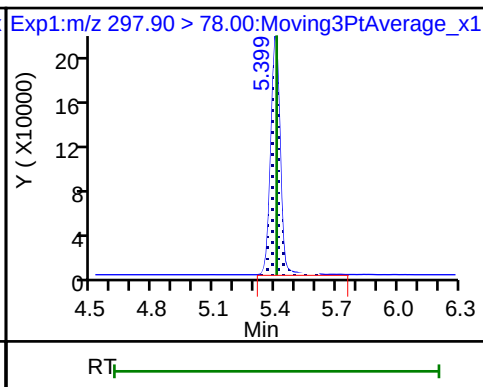
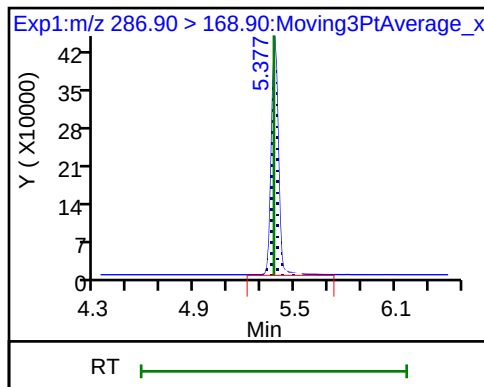
21 HFPO-DA



D 22 13C3 HFPO-DA

23 FBSA

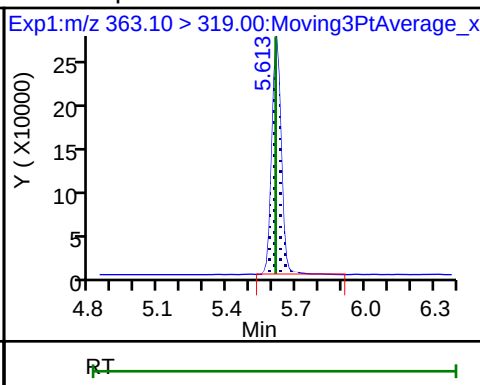
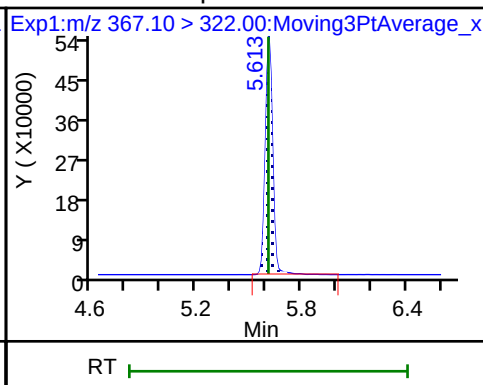
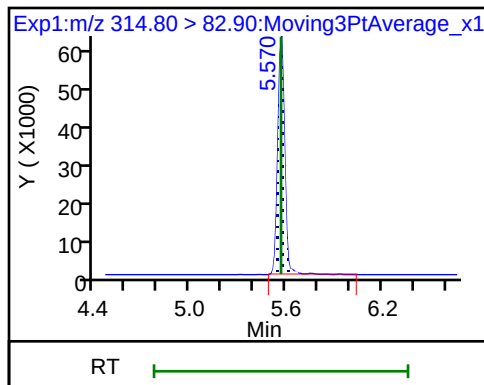
26 PFEESA



26 PFEESA

D 27 13C4 PFHpA

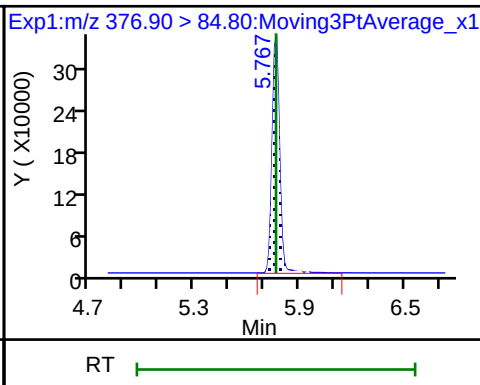
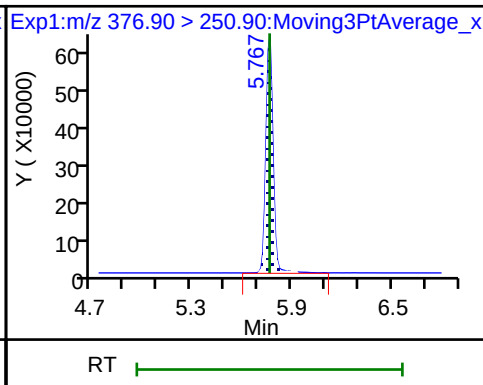
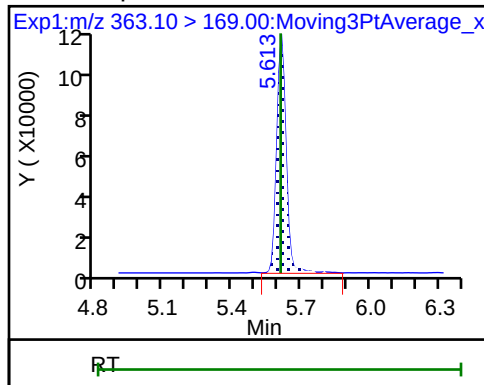
28 PFHpA

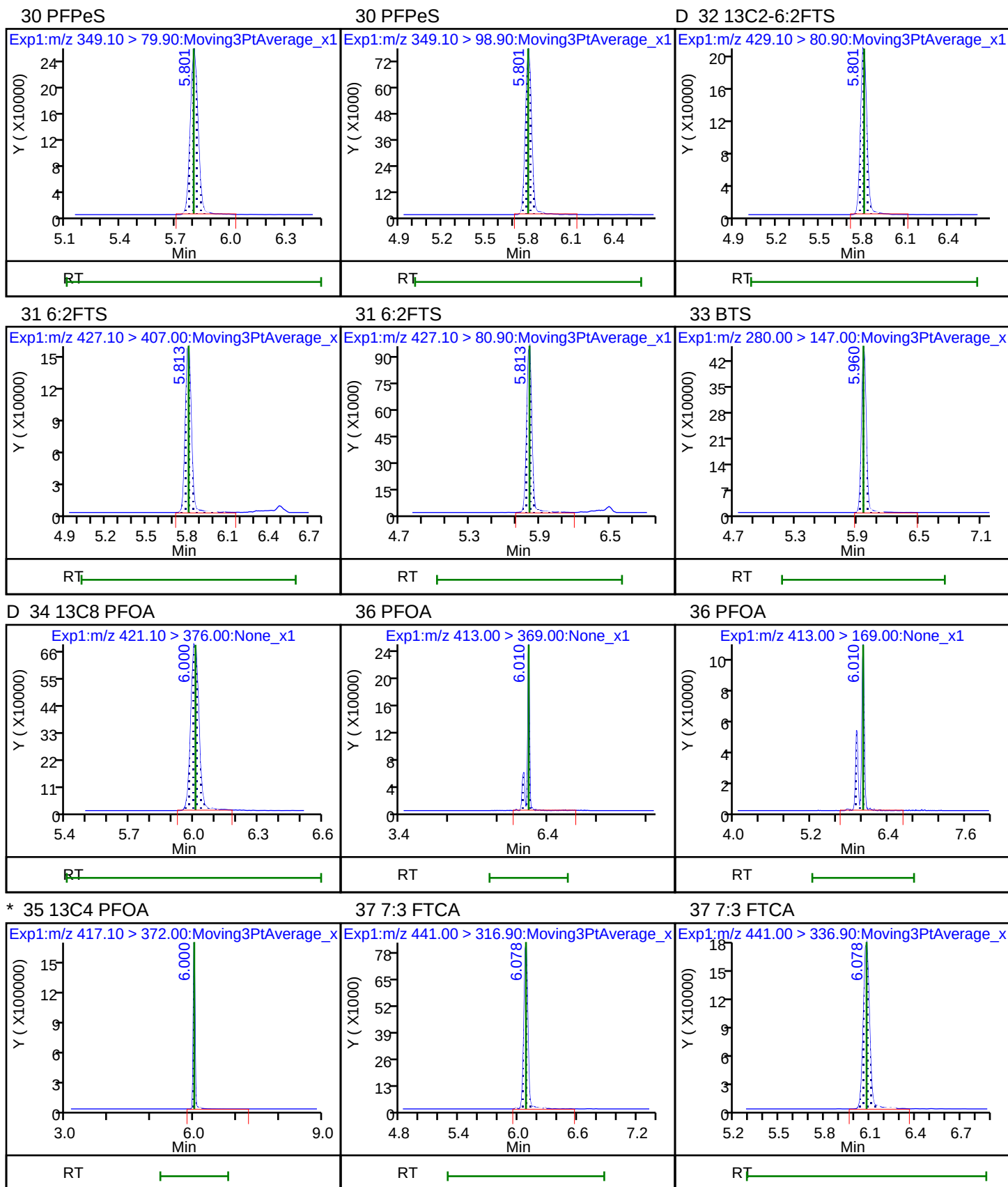


28 PFHpA

29 ADONA

29 ADONA

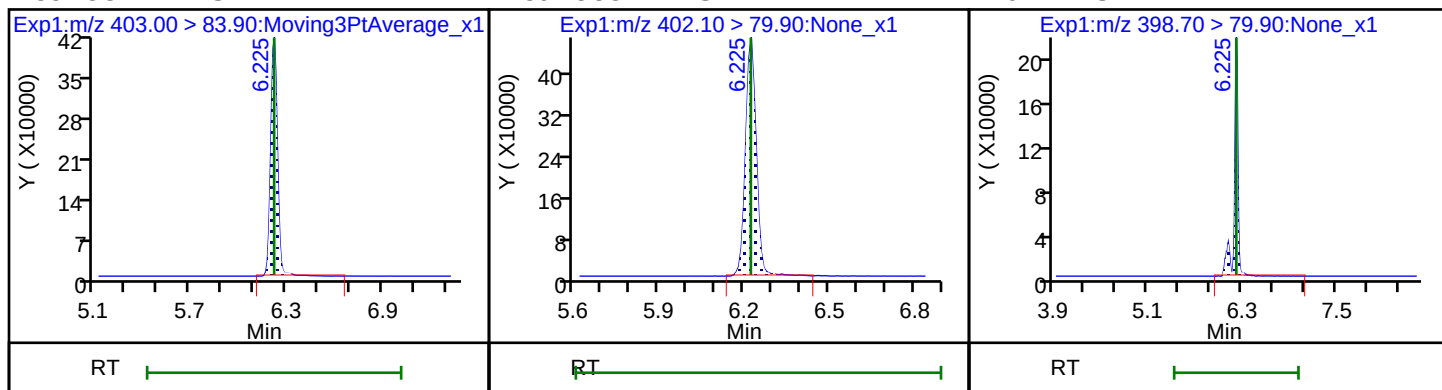




* 38 18O2 PFHxS

D 39 13C3 PFHxS

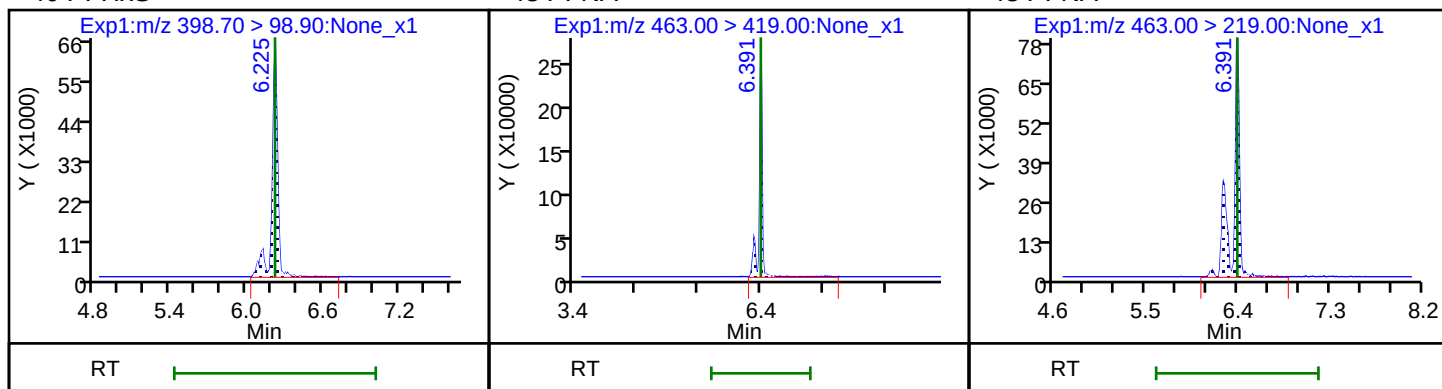
40 PFHxS



40 PFHxS

43 PFNA

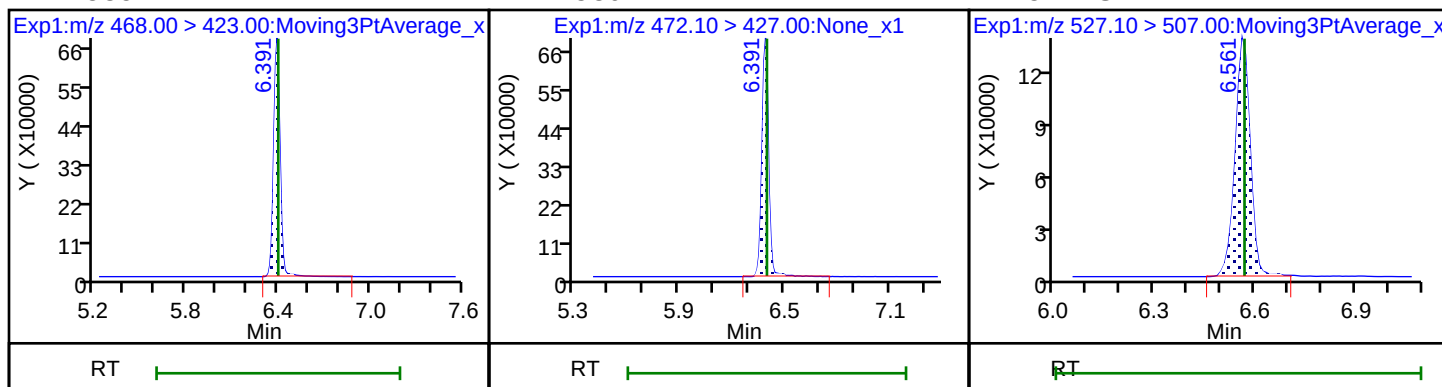
43 PFNA



* 41 13C5 PFNA

D 42 13C9 PFNA

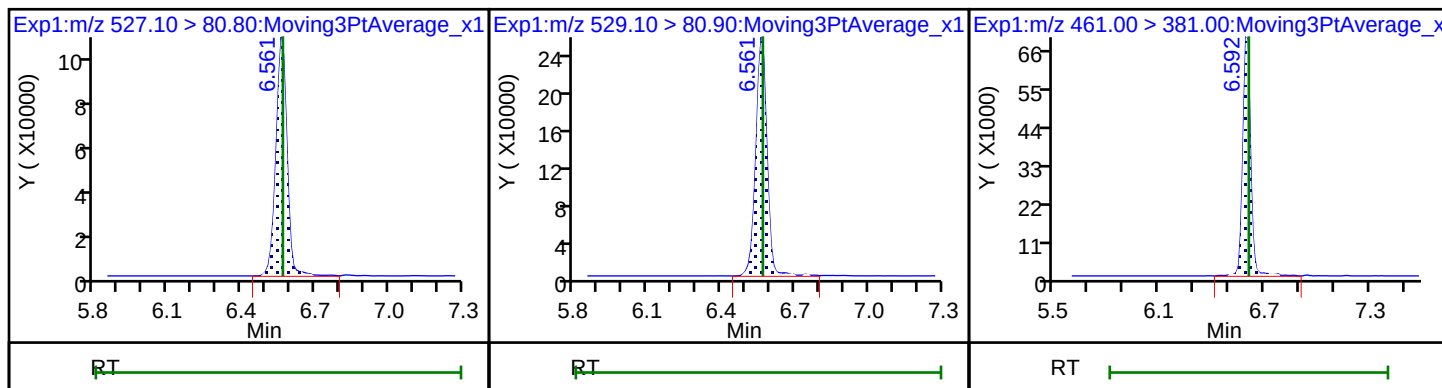
44 8:2FTS

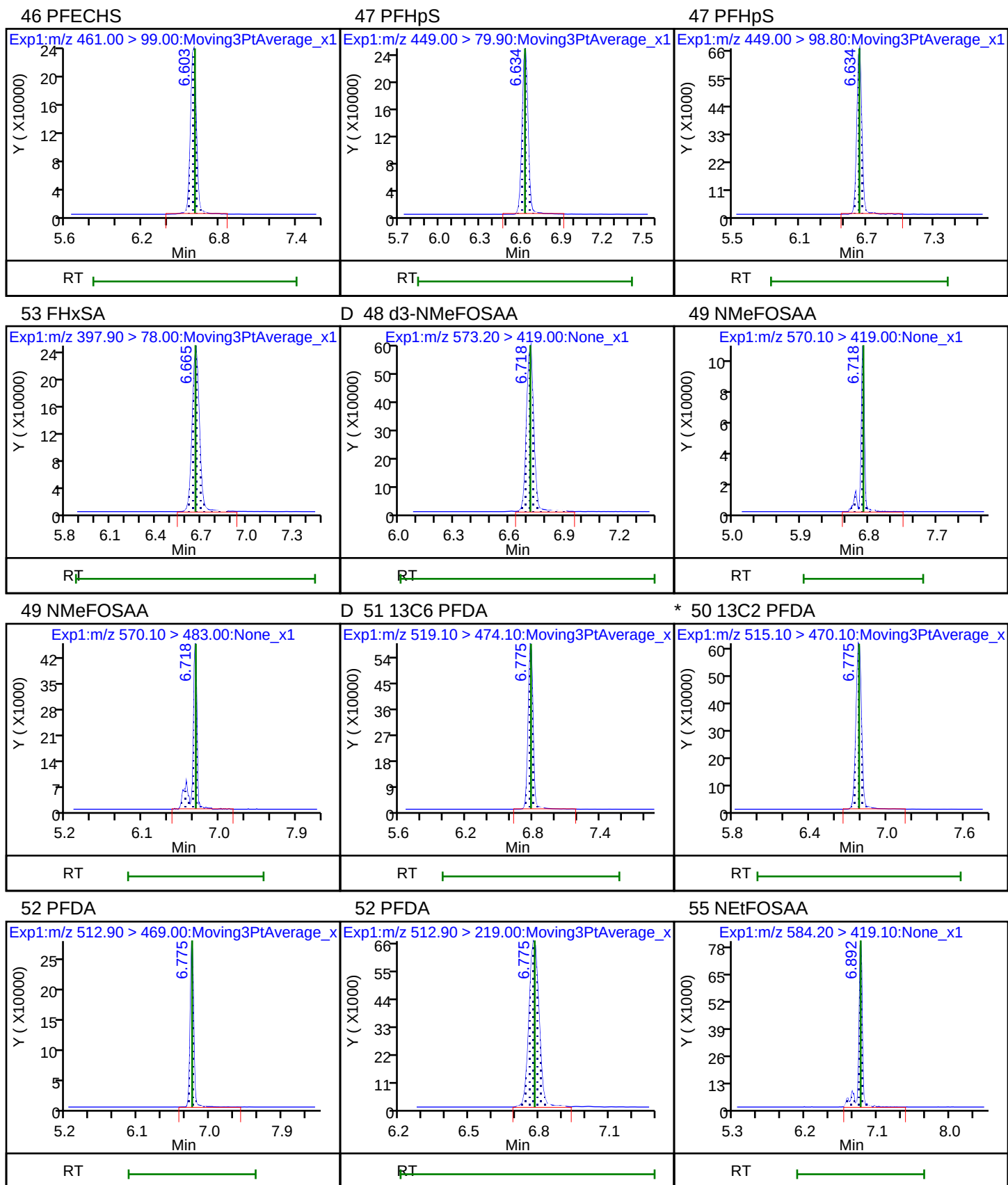


44 8:2FTS

D 45 13C2-8:2FTS

46 PFECHS

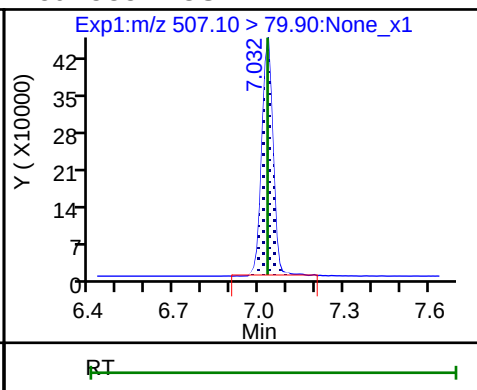
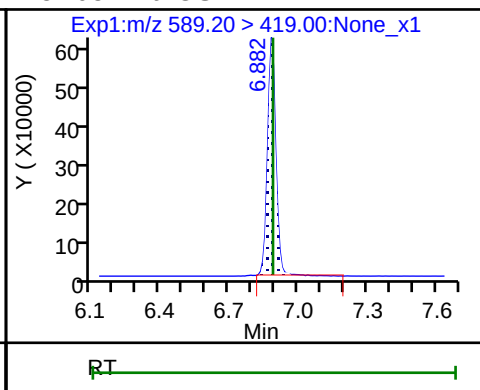
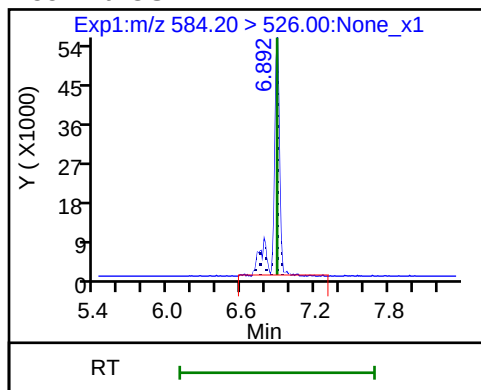




55 NEtFOSAA

D 54 d5-NEtFOSAA

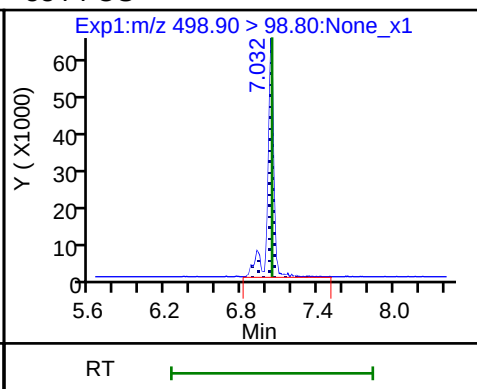
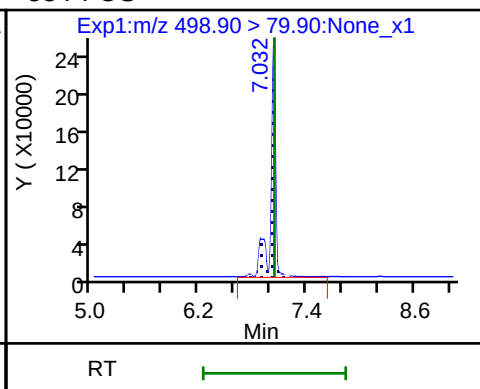
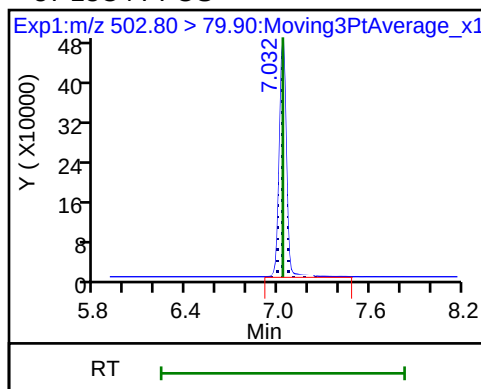
D 56 13C8 PFOS



* 57 13C4 PFOS

58 PFOS

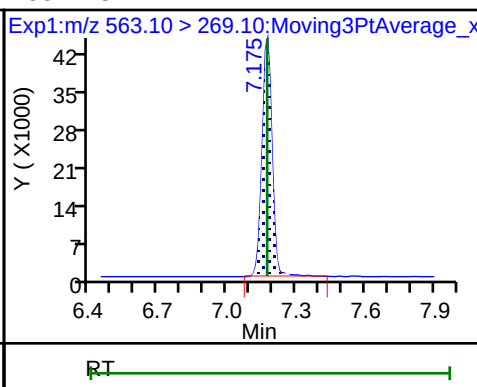
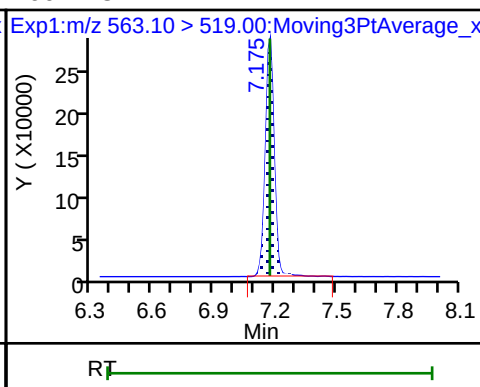
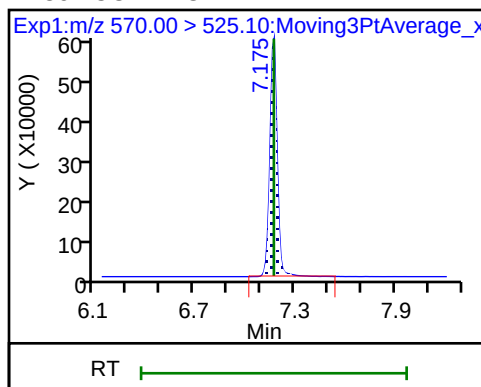
58 PFOS



D 59 13C7 PFUnA

60 PFUnA

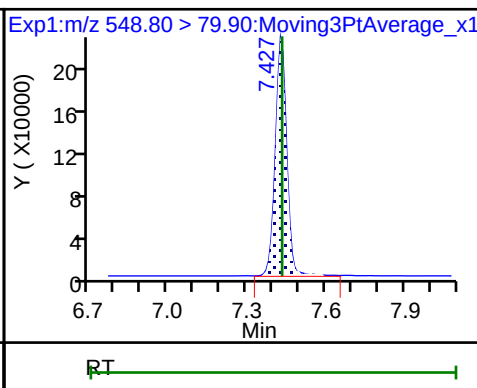
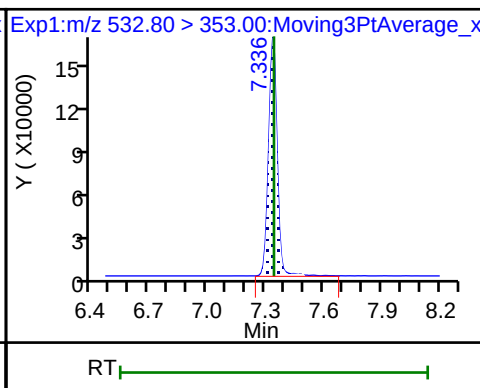
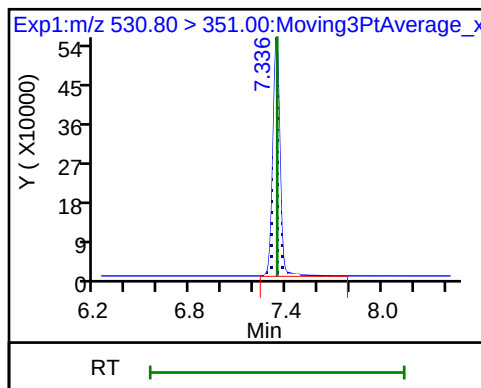
60 PFUnA

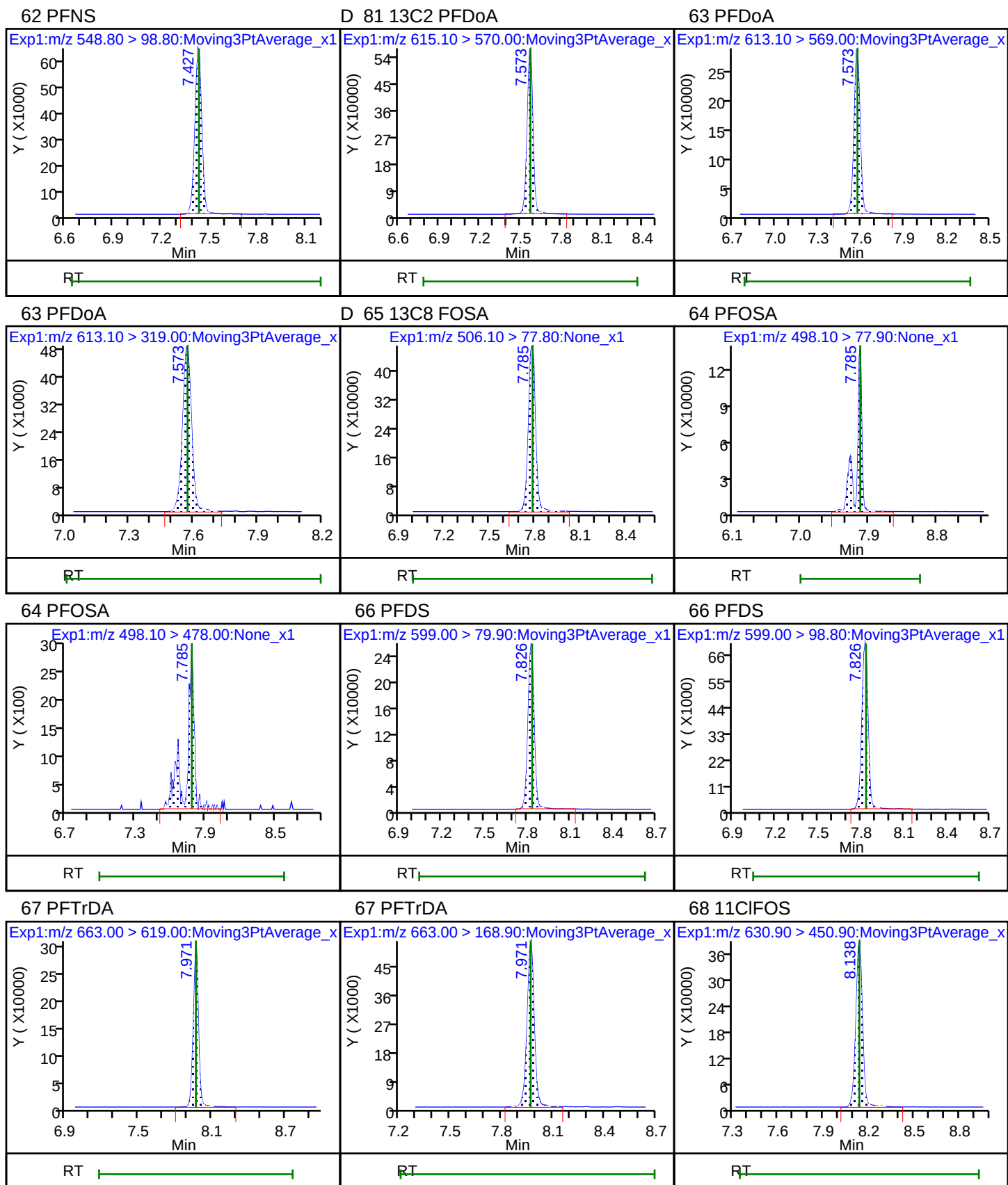


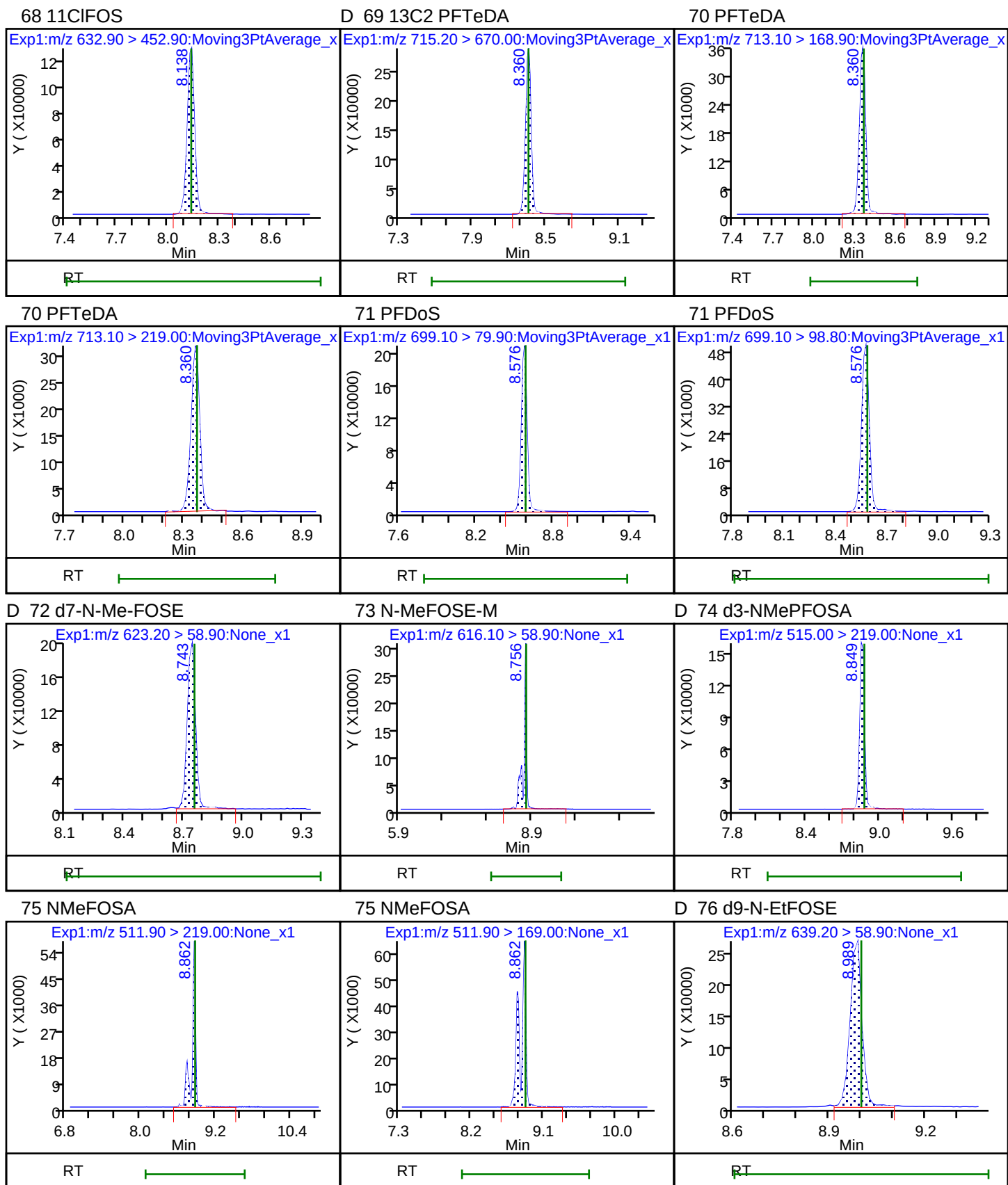
61 9ClFOS

61 9ClFOS

62 PFNS



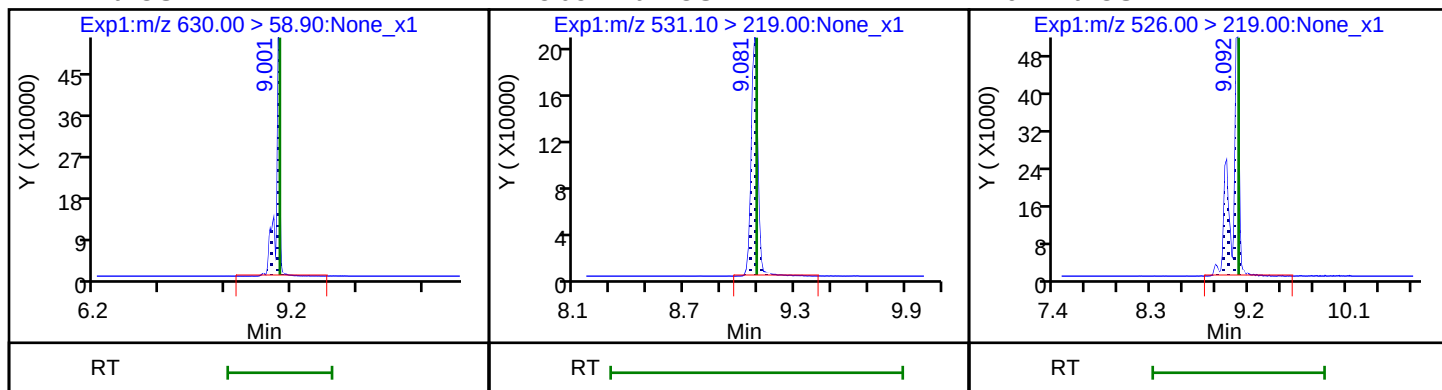




77 N-EtFOSE-M

D 78 d5-NEtPFOSA

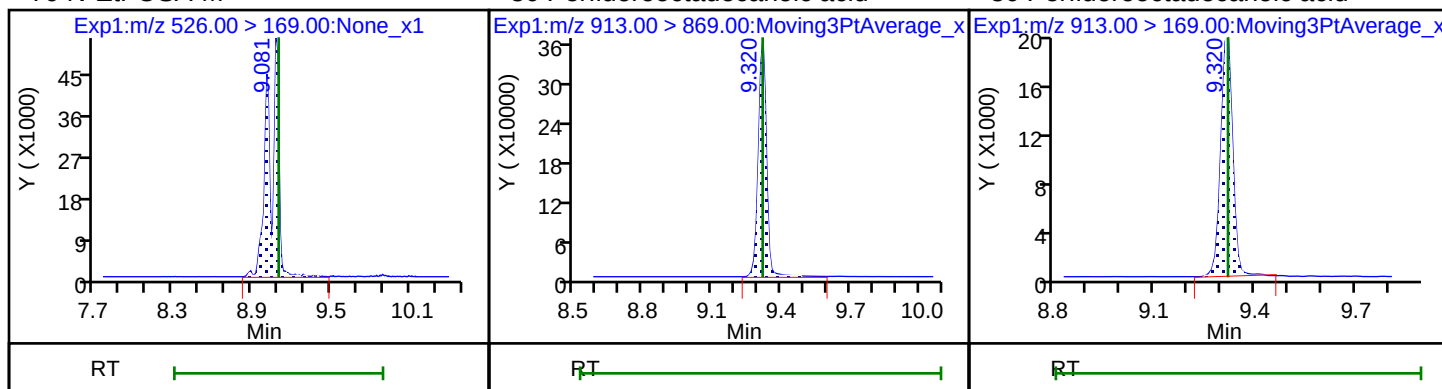
79 N-EtFOSE-M



79 N-EtFOSE-M

80 Perfluorooctadecanoic acid

80 Perfluorooctadecanoic acid



FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Lab Sample ID: CCV 410-737660/135

Calibration Date: 12/03/2025 01:16

Instrument ID: 30570

Calib Start Date: 11/29/2025 11:15

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 11/29/2025 12:50

Lab File ID: 25Dec02-44.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoropropionic acid (PFPrA)	AveID	0.9875	0.9747		4.94	5.00	-1.0	30.0
Perfluorobutanoic acid	AveID	0.9142	0.9048		1.98	2.00	-1.0	30.0
Perfluoro-3-methoxypropanoic acid	AveID	1.295	1.228		0.949	1.00	-5.0	30.0
3-Perfluoropropylpropanoic acid (3:3 FTCA)	AveID	0.0611	0.0456		1.49	2.00	-25.0	30.0
Perfluoropentanoic acid	AveID	1.207	1.200		0.994	1.00	-1.0	30.0
Perfluoro(4-methoxybutanoic acid)	AveID	1.723	1.611		0.935	1.00	-7.0	30.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	1.645	1.570		1.79	1.88	-5.0	30.0
Perfluoro-3,6-dioxahexanoic acid	AveID	0.1758	0.1862		1.06	1.00	6.0	30.0
Perfluorohexanoic acid	AveID	0.9656	0.9317		0.965	1.00	-4.0	30.0
3-Perfluoropentylpropanoic acid (5:3 FTCA)	AveID	0.1310	0.0901		3.44	5.00	-31.0*	30.0
Perfluorobutanesulfonic acid	AveID	1.226	1.223		0.886	0.888	0.0	30.0
HFPO-DA	AveID	1.035	0.9915		0.718	0.750	-4.0	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	1.033	0.7991		0.774	1.00	-23.0	30.0
PFEESA	AveID	2.916	2.881		0.881	0.892	-1.0	30.0
Perfluoroheptanoic acid	AveID	0.9509	0.9089		0.956	1.00	-4.0	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	3.296	2.998		0.860	0.946	-9.0	30.0
Perfluoropentanesulfonic acid	AveID	1.255	1.275		0.955	0.940	2.0	30.0
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	AveID	1.881	1.884		1.91	1.90	0.0	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	2.278	2.184		0.939	0.979	-4.0	30.0
Perfluorooctanoic acid	L2ID		0.7930		0.973	1.00	-3.0	30.0
7:3 FTCA	AveID	0.0692	0.0523		3.78	5.00	-24.0	30.0
Perfluorohexanesulfonic acid	L2ID		1.089		0.862	0.912	-6.0	30.0
Perfluorononanoic acid	AveID	0.9220	0.9208		0.999	1.00	0.0	30.0
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	AveID	1.320	1.359		1.98	1.92	3.0	30.0
Perfluoro-4-ethylcyclohexane sulfonic acid (PFECHS)	AveID	0.3542	0.3565		0.930	0.924	1.0	30.0
Perfluoroheptanesulfonic acid	AveID	1.230	1.178		0.914	0.954	-4.0	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	1.488	1.272		0.855	1.00	-15.0	30.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.9877	0.9848		0.997	1.00	0.0	30.0
Perfluorodecanoic acid	AveID	1.000	0.9776		0.978	1.00	-2.0	30.0
NETFOSAA	AveID	0.7659	0.7926		1.03	1.00	3.0	30.0
Perfluorooctanesulfonic acid	AveID	1.535	1.512		0.916	0.930	-1.0	30.0
Perfluoroundecanoic acid	AveID	0.8783	0.9022		1.03	1.00	3.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Lab Sample ID: CCV 410-737660/135

Calibration Date: 12/03/2025 01:16

Instrument ID: 30570

Calib Start Date: 11/29/2025 11:15

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 11/29/2025 12:50

Lab File ID: 25Dec02-44.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
9-Chlorohexadecafluoro-3-oxa nonane-1-sulfonic acid	AveID	2.755	2.817		0.955	0.934	2.0	30.0
Perfluorononanesulfonic acid	AveID	1.145	1.131		0.950	0.962	-1.0	30.0
Perfluorododecanoic acid	AveID	1.031	1.070		1.04	1.00	4.0	30.0
Perfluorooctanesulfonamide (PFOSA)	AveID	0.8957	0.8837		0.987	1.00	-1.0	30.0
Perfluorodecanesulfonic acid	AveID	1.228	1.238		0.972	0.964	1.0	30.0
Perfluorotridecanoic acid	AveID	1.409	1.375		0.976	1.00	-2.0	30.0
11-Chloroeicosafluoro-3-oxa undecane-1-sulfonic acid	AveID	1.924	1.955		0.959	0.944	2.0	30.0
Perfluorotetradecanoic acid	AveID	0.2913	0.2597		0.891	1.00	-11.0	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.9869	0.9331		0.917	0.970	-5.0	30.0
2- (N-methylperfluoro-1-octanes ulfonamido) ethanol	AveID	2.328	2.248		4.83	5.00	-3.0	30.0
NMeFOSA	AveID	1.030	1.041		1.01	1.00	1.0	30.0
2- (N-ethylperfluoro-1-octanesu lfonamido) ethanol	AveID	2.840	3.083		5.43	5.00	9.0	30.0
N-ethylperfluoro-1-octanesul fonamide	AveID	0.9256	0.8791		0.950	1.00	-5.0	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	2.284	1.685		0.738	1.00	-26.0	30.0
13C3 PFPrA	Ave	0.8545	0.7369		1.72	2.00	-14.0	30.0
13C4 PFBA	Ave	1.161	1.110		1.91	2.00	-4.0	30.0
13C5 PFPeA	Ave	0.8217	0.7909		1.93	2.00	-4.0	30.0
13C2 4:2 FTS	Ave	0.2688	0.2974		5.19	4.69	11.0	30.0
13C5 PFHxA	Ave	1.134	1.114		1.97	2.00	-2.0	30.0
13C3 PFBS	Ave	1.385	1.336		1.80	1.86	-4.0	30.0
13C3 HFPO-DA	Ave	0.7791	0.8121		2.08	2.00	4.0	30.0
13C4 PFHpA	Ave	0.9642	0.9928		2.06	2.00	3.0	30.0
13C2 6:2 FTS	Ave	0.2032	0.2209		5.18	4.76	9.0	30.0
13C8 PFOA	Ave	1.033	0.9847		1.91	2.00	-5.0	30.0
13C3 PFHxS	Ave	1.017	1.000		1.86	1.90	-2.0	30.0
13C9 PFNA	Ave	0.9623	0.8976		1.87	2.00	-7.0	30.0
M2-8:2 FTS	Ave	0.2535	0.2635		4.99	4.80	4.0	30.0
d3-NMeFOSAA	Ave	0.3888	0.4326		5.56	5.00	11.0	30.0
13C6 PFDA	Ave	1.014	0.9916		1.95	2.00	-2.0	30.0
d5-NEtFOSAA	Ave	0.3899	0.3663		4.70	5.00	-6.0	30.0
13C8 PFOS	Ave	0.8819	0.8496		1.85	1.92	-4.0	30.0
13C7 PFUnA	Ave	1.153	1.087		1.89	2.00	-6.0	30.0
13C2 PFDoA	Ave	0.9721	0.9800		2.02	2.00	1.0	30.0
13C8 FOSA	Ave	1.146	1.015		1.77	2.00	-11.0	30.0
13C2 PFTeDA	Ave	0.4955	0.5281		2.13	2.00	7.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Lab Sample ID: CCV 410-737660/135

Calibration Date: 12/03/2025 01:16

Instrument ID: 30570

Calib Start Date: 11/29/2025 11:15

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 11/29/2025 12:50

Lab File ID: 25Dec02-44.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d7-N-MeFOSE-M	Ave	0.1589	0.1515		4.77	5.00	-5.0	30.0
d3-NMePFOSA	Ave	0.2779	0.2649		1.91	2.00	-5.0	30.0
d9-N-EtFOSE-M	Ave	0.1837	0.1722		4.69	5.00	-6.0	30.0
d5-NEtPFOSA	Ave	0.3346	0.3392		2.03	2.00	1.0	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30570\20251202-168561.b\25Dec02-44.d
 Lims ID: CCV 5_CAL4
 Client ID:
 Sample Type: CCV
 Inject. Date: 03-Dec-2025 01:16:11 ALS Bottle#: 5 Worklist Smp#: 135
 Injection Vol: 7.0 ul Dil. Factor: 1.0000
 Sample Info: CCV
 Misc. Info.: Plate: 1 Rack: 1
 Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570
 Sublist: chrom-30570-1633-125ml*sub7
 Method: \\chromfs\Lancaster\ChromData\30570\20251202-168561.b\30570-1633-125ml.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 03-Dec-2025 10:23:11 Calib Date: 29-Nov-2025 12:50:55
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-08.d

Column 1 : Det: EXP1
 Process Host: CTX1697

First Level Reviewer: VGQ7 Date: 03-Dec-2025 06:55:52

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	1.961	1.961	0.0	0.479	1021136	1.72		86.2	52042	
2 Perfluoropropionic acid										
163.00 > 119.00	1.961	1.961	0.0	1.000	2488344	4.94		98.7	17706	
5 PFBA										
212.80 > 168.90	4.089	4.090	-0.001	0.998	1391370	1.98		99.0	17418	
D 3 13C4-PFBA										
216.80 > 171.90	4.096	4.090	0.006	1.000	1537724	1.91		95.6	3634	
* 4 13C3PFBA										
216.00 > 172.00	4.096	4.096	0.0		1385676	2.00			682	
6 PFMPA										
229.00 > 84.90	4.399	4.406	-0.007	0.931	783134	0.9488		94.9	2900	
7 3:3 FTCA										
241.00 > 177.00	4.406	4.415	-0.009	0.933	58199	1.49	Target=1.35	74.7	696	
241.00 > 117.00	4.406	4.415	-0.009	0.933	44186		1.32(0.68-2.03)		420	
9 PFPA										
263.00 > 219.00	4.723	4.734	-0.011	1.000	765268	0.99		99.4	679	
D 8 13C5 PFPeA										
268.30 > 223.00	4.723	4.734	-0.011	0.912	1275069	1.93		96.3	14418	
10 PFMBA										
279.00 > 85.10	4.874	4.882	-0.008	1.032	1027021	0.9348		93.5	3932	
D 13 13C2-4:2FTS										
329.10 > 80.90	4.998	5.008	-0.010	0.803	884201	5.19		111	3987	
11 4:2FTS										
327.10 > 307.00	4.998	5.017	-0.019	1.000	555126	1.79	Target=1.50	95.4	1644	
327.10 > 80.90	4.998	5.017	-0.019	1.000	375742		1.48(0.75-2.25)		611	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.133	5.152	-0.019	0.991	167174	1.06	Target=1.60	106	947	
295.00 > 84.90	5.133	5.152	-0.019	0.991	101462		1.65(0.80-2.41)		803	
* 16 13C2 PFHxA										
315.10 > 270.00	5.181	5.190	-0.010		4030313	5.00			4808	
17 PFHxA										
313.00 > 269.00	5.181	5.190	-0.010	1.000	836606	0.9648	Target=10.68	96.5	1336	
313.00 > 118.90	5.181	5.190	-0.010	1.000	77765		10.76(5.34-16.01)		565	
D 15 13C5 PFHxA										
318.00 > 273.00	5.181	5.190	-0.010	1.000	1795912	1.97		98.3	6183	
18 5:3 FTCA										
341.00 > 237.10	5.257	5.268	-0.011	1.015	404432	3.44	Target=0.91	68.8	1916	
341.00 > 217.00	5.257	5.268	-0.011	1.015	454326		0.89(0.46-1.37)		1354	
19 PFBS										
298.70 > 79.90	5.318	5.329	-0.011	1.002	919758	0.8857	Target=2.86	99.7	3560	
298.70 > 98.80	5.318	5.329	-0.011	1.002	325680		2.82(1.43-4.30)		1249	
D 20 13C3 PFBS										
302.10 > 79.90	5.307	5.329	-0.022	0.853	1578585	1.80		96.4	4250	
21 HFPO-DA										
284.90 > 168.90	5.361	5.373	-0.012	1.000	486781	0.7183	Target=2.59	95.8	1326	
284.90 > 184.90	5.361	5.373	-0.012	1.000	182853		2.66(1.30-3.89)		919	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.361	5.373	-0.012	1.035	1309247	2.08		104	6763	
23 FBSA										
297.90 > 78.00	5.395	5.406	-0.011	1.016	676757	0.7736		77.4	1904	
26 PFEESA										
314.80 > 134.90	5.555	5.566	-0.011	1.072	2307400	0.8812	Target=12.75	98.8	6805	
314.80 > 82.90	5.555	5.566	-0.011	1.072	174910		13.19(6.37-19.12)		1108	
D 27 13C4 PFHpA										
367.10 > 322.00	5.599	5.610	-0.011	1.081	1600574	2.06		103	6195	
28 PFHpA										
363.10 > 319.00	5.599	5.610	-0.011	1.000	727356	0.9558	Target=2.26	95.6	1348	
363.10 > 169.00	5.599	5.610	-0.011	1.000	323649		2.25(1.13-3.39)		936	
29 ADONA										
376.90 > 250.90	5.753	5.765	-0.012	1.073	1856417	0.8604	Target=1.92	90.9	5326	
376.90 > 84.80	5.753	5.765	-0.012	1.073	992672		1.87(0.96-2.88)		3327	
30 PFPeS										
349.10 > 79.90	5.787	5.799	-0.012	0.930	759787	0.9554	Target=3.26	102	3598	
349.10 > 98.90	5.787	5.799	-0.012	0.930	227719		3.34(1.63-4.89)		1303	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.798	5.810	-0.012	0.932	666737	5.18		109	2229	
31 6:2FTS										
427.10 > 407.00	5.798	5.810	-0.012	1.000	502371	1.91	Target=1.68	100	144	
427.10 > 80.90	5.798	5.810	-0.012	1.000	297467		1.69(0.84-2.52)		156	
33 BTS										
280.00 > 147.00	5.958	5.957	0.001	0.957	1355010	0.9385		95.9	4801	
D 34 13C8 PFOA										
421.10 > 376.00	5.998	6.007	-0.009	1.000	1915380	1.91		95.3	1070	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
36 PFOA										
413.00 > 369.00	5.998	6.007	-0.009	1.000	759419	0.9731	Target=2.08	97.3	838	
413.00 > 169.00	5.998	6.007	-0.009	1.000	365110		2.08(1.04-3.13)		695	
* 35 13C4 PFOA										
417.10 > 372.00	5.998	6.007	-0.009		4862873	5.00			4310	
37 7:3 FTCA										
441.00 > 316.90	6.077	6.076	0.001	1.173	234954	3.78	Target=0.45	75.6	1308	
441.00 > 336.90	6.077	6.076	0.001	1.173	503655		0.47(0.23-0.68)		2600	
* 38 18O2 PFHxS										
403.00 > 83.90	6.224	6.223	0.001		1202067	1.90			5665	
D 39 13C3 PFHxS										
402.10 > 79.90	6.224	6.223	0.001	1.000	1201637	1.86		98.3	2507	
40 PFHxS										
398.70 > 79.90	6.224	6.223	0.001	1.000	629536	0.8618	Target=3.32	94.5	382	
398.70 > 98.90	6.224	6.223	0.001	1.000	192857		3.26(1.66-4.97)		562	
43 PFNA										
463.00 > 419.00	6.391	6.389	0.002	1.000	802598	1.00	Target=2.36	99.9	1049	
463.00 > 219.00	6.391	6.389	0.002	1.000	311458		2.58(1.18-3.54)		517	
* 41 13C5 PFNA										
468.00 > 423.00	6.391	6.399	-0.008		1942236	2.00			4237	
D 42 13C9 PFNA										
472.10 > 427.00	6.391	6.399	-0.008	1.000	1743334	1.87		93.3	2062	
44 8:2FTS										
527.10 > 507.00	6.561	6.568	-0.007	1.000	435960	1.98	Target=1.32	103	1237	
527.10 > 80.80	6.561	6.568	-0.007	1.000	318233		1.37(0.66-1.99)		1110	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.561	6.568	-0.007	1.054	802036	4.99		104	1626	
46 PFECHS										
461.00 > 381.00	6.602	6.610	-0.008	1.061	208741	0.9300	Target=0.28	101	432	
461.00 > 99.00	6.602	6.610	-0.008	1.061	719207		0.29(0.14-0.42)		2056	
47 PFHpS										
449.00 > 79.90	6.633	6.631	0.002	0.943	701482	0.9139	Target=3.76	95.8	1852	
449.00 > 98.80	6.633	6.631	0.002	0.943	200391		3.50(1.88-5.64)		714	
53 FHxSA										
397.90 > 78.00	6.675	6.662	0.013	1.073	806190	0.8549		85.5	2188	
D 48 d3-NMeFOSAA										
573.20 > 419.00	6.718	6.715	0.003	0.955	1588925	5.56		111	1853	
49 NMeFOSAA										
570.10 > 419.00	6.728	6.725	0.003	1.002	312969	1.00	Target=1.91	99.7	615	
570.10 > 483.00	6.728	6.725	0.003	1.002	161202		1.94(0.96-2.87)		272	
D 51 13C6 PFDA										
519.10 > 474.10	6.783	6.781	0.002	1.000	1698718	1.95		97.7	5101	
* 50 13C2 PFDA										
515.10 > 470.10	6.783	6.781	0.002		1713137	2.00			5037	
52 PFDA										
512.90 > 469.00	6.783	6.781	0.002	1.000	830334	0.9779	Target=4.25	97.8	3499	
512.90 > 219.00	6.783	6.781	0.002	1.000	194923		4.26(2.12-6.37)		1308	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
55 NEtFOSAA										
584.20 > 419.10	6.892	6.889	0.003	1.000	213286	1.03	Target=1.44	103	743	
584.20 > 526.00	6.892	6.889	0.003	1.000	154606		1.38(0.72-2.15)		345	
D 54 d5-NEtFOSAA										
589.20 > 419.00	6.892	6.889	0.003	0.980	1345560	4.70		93.9	918	
D 56 13C8 PFOS										
507.10 > 79.90	7.031	7.029	0.002	1.000	1195861	1.85		96.3	1183	
* 57 13C4 PFOS										
502.80 > 79.90	7.031	7.029	0.002		1407494	1.92			5603	
58 PFOS										
498.90 > 79.90	7.031	7.039	-0.008	1.000	877818	0.9164	Target=4.40	98.5	1557	
498.90 > 98.80	7.031	7.039	-0.008	1.000	199291		4.40(2.20-6.60)		536	
D 59 13C7 PFUnA										
570.00 > 525.10	7.164	7.173	-0.009	1.056	1861882	1.89		94.3	4336	
60 PFUnA										
563.10 > 519.00	7.175	7.173	0.002	1.001	839931	1.03	Target=6.12	103	2105	
563.10 > 269.10	7.175	7.173	0.002	1.001	134535		6.24(3.06-9.18)		1165	
61 9ClFOS										
530.80 > 351.00	7.336	7.342	-0.006	1.043	1642184	0.9551	Target=3.14	102	4422	
532.80 > 353.00	7.336	7.342	-0.006	1.043	529768		3.10(1.57-4.71)		2301	
62 PFNS										
548.80 > 79.90	7.427	7.433	-0.006	1.056	679169	0.9503	Target=3.48	98.8	2096	
548.80 > 98.80	7.427	7.433	-0.006	1.056	195308		3.48(1.74-5.23)		1125	
D 81 13C2 PFDaA										
615.10 > 570.00	7.565	7.571	-0.006	1.115	1678819	2.02		101	1940	
63 PFDaA										
613.10 > 569.00	7.565	7.571	-0.006		898233	1.04	Target=6.22	104	3906	
613.10 > 319.00	7.565	7.571	-0.006		139273		6.45(3.11-9.33)		984	
D 65 13C8 FOSA										
506.10 > 77.80	7.800	7.783	0.017	1.109	1491446	1.77		88.6	2795	
64 PFOSA										M
498.10 > 77.90	7.800	7.783	0.017	1.000	658997	0.9866	Target=53.04	98.7	2108	
498.10 > 478.00	7.793	7.783	0.010	0.999	12489		52.77(26.52-79.56)		29.7	M
66 PFDS										
599.00 > 79.90	7.817	7.832	-0.015	1.112	744677	0.9718	Target=3.66	101	1877	
599.00 > 98.80	7.817	7.832	-0.015	1.112	203315		3.66(1.83-5.49)		1776	
67 PFTrDA										
663.00 > 619.00	7.963	7.968	-0.005	0.955	888287	0.9760	Target=5.85	97.6	2792	
663.00 > 168.90	7.963	7.968	-0.005	0.955	148105		6.00(2.93-8.78)		887	
68 11ClFOS										
630.90 > 450.90	8.120	8.136	-0.016	1.155	1151632	0.9593	Target=3.12	102	4999	
632.90 > 452.90	8.120	8.136	-0.016	1.155	368525		3.12(1.56-4.68)		1664	
D 69 13C2 PFTeDA										
715.20 > 670.00	8.340	8.357	-0.017	1.229	904751	2.13		107	4555	
70 PFTeDA										
713.10 > 168.90	8.340	8.367	-0.027	1.000	117470	0.8914	Target=1.15	89.1	982	
713.10 > 219.00	8.340	8.367	-0.027	1.000	96859		1.21(0.58-1.73)		1073	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
71 PFDoS										
699.10 > 79.90	8.555	8.584	-0.029	1.217	564933	0.9172	Target=4.11	94.6	2451	
699.10 > 98.80	8.555	8.584	-0.029	1.217	143212		3.94(2.05-6.16)		1528	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.729	8.754	-0.025	1.241	556342	4.77		95.3	431	
73 N-MeFOSE-M										
616.10 > 58.90	8.757	8.768	-0.011	1.003	1250489	4.83		96.5	923	
D 74 d3-NMePFOSA										
515.00 > 219.00	8.850	8.874	-0.024	1.259	389145	1.91		95.3	1223	
75 NMeFOSA										
511.90 > 219.00	8.862	8.874	-0.012	1.001	202538	1.01	Target=0.69	101	1085	
511.90 > 169.00	8.862	8.874	-0.012	1.001	296041		0.68(0.35-1.04)		838	
D 76 d9-N-EtFOSE										
639.20 > 58.90	8.977	8.999	-0.022	1.277	632541	4.69		93.7	438	
77 N-EtFOSE-M										
630.00 > 58.90	9.001	9.022	-0.021	1.003	1950389	5.43		109	7899	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.069	9.091	-0.022	1.290	498394	2.03		101	1232	
79 N-EtFOSA-M										
526.00 > 219.00	9.081	9.102	-0.021	1.001	219079	0.9498	Target=0.81	95.0	1318	
526.00 > 169.00	9.081	9.102	-0.021	1.001	275737		0.79(0.41-1.22)		669	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.300	9.319	-0.019	1.115	762447	0.7379	Target=18.31	73.8	3815	
913.00 > 169.00	9.290	9.319	-0.029	1.114	44662		17.07(9.15-27.46)		1017	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_CAL4_00069

Amount Added: 1.00

Units: mL

Data File: \\chromfs\Lancaster\ChromData\30570\20251202-168561.b\25Dec02-44.d

Injection Date: 03-Dec-2025 01:16:11

Instrument ID: 30570

Lims ID: CCV 5_CAL4

Client ID:

Operator ID: ETUS023_USR_INS00003

ALS Bottle#: 5

Worklist Smp#: 135

Injection Vol: 7.0 ul

Dil. Factor: 1.0000

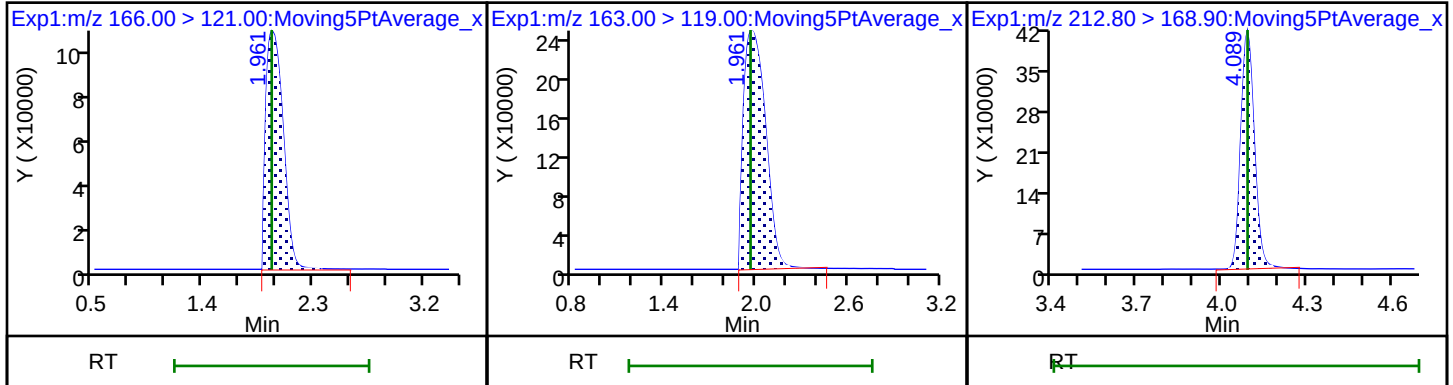
Method: 30570-1633-125ml

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid

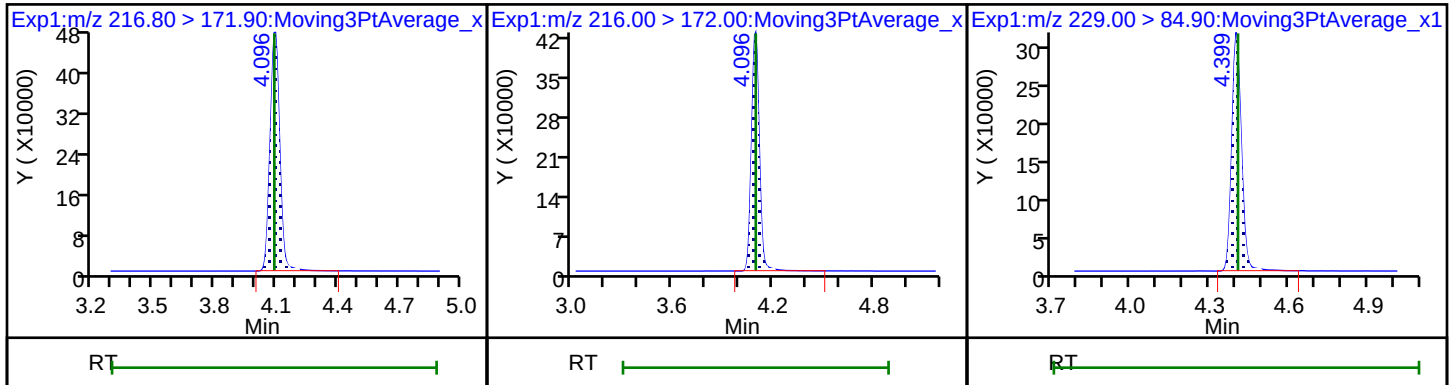
5 PFBA



D 3 13C4-PFBA

* 4 13C3PFBA

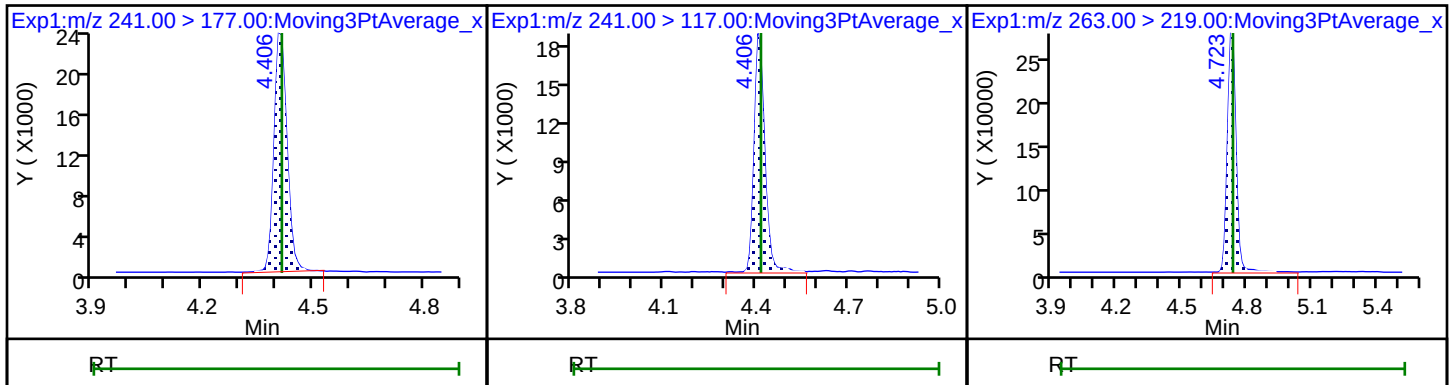
6 PFMPA



7 3:3 FTCA

7 3:3 FTCA

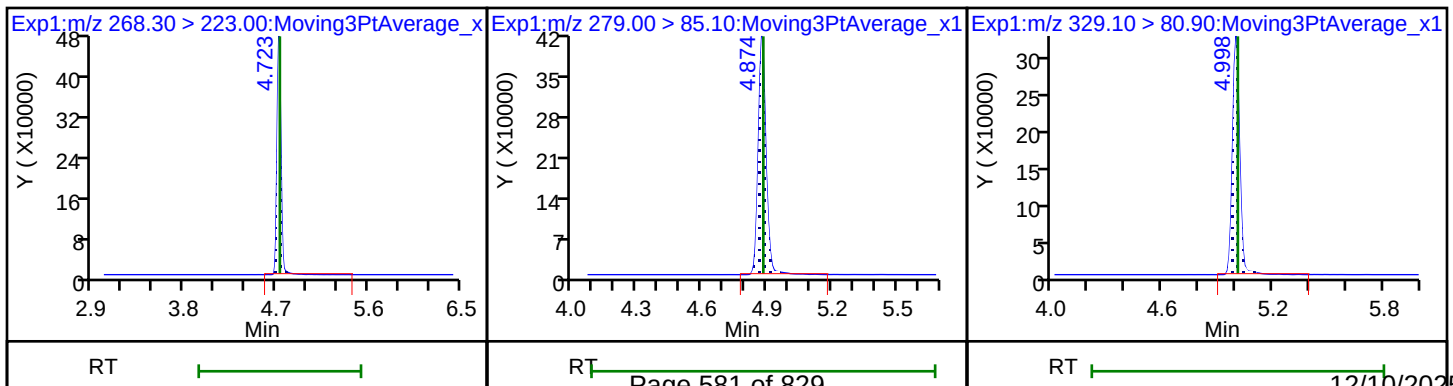
9 PFPA

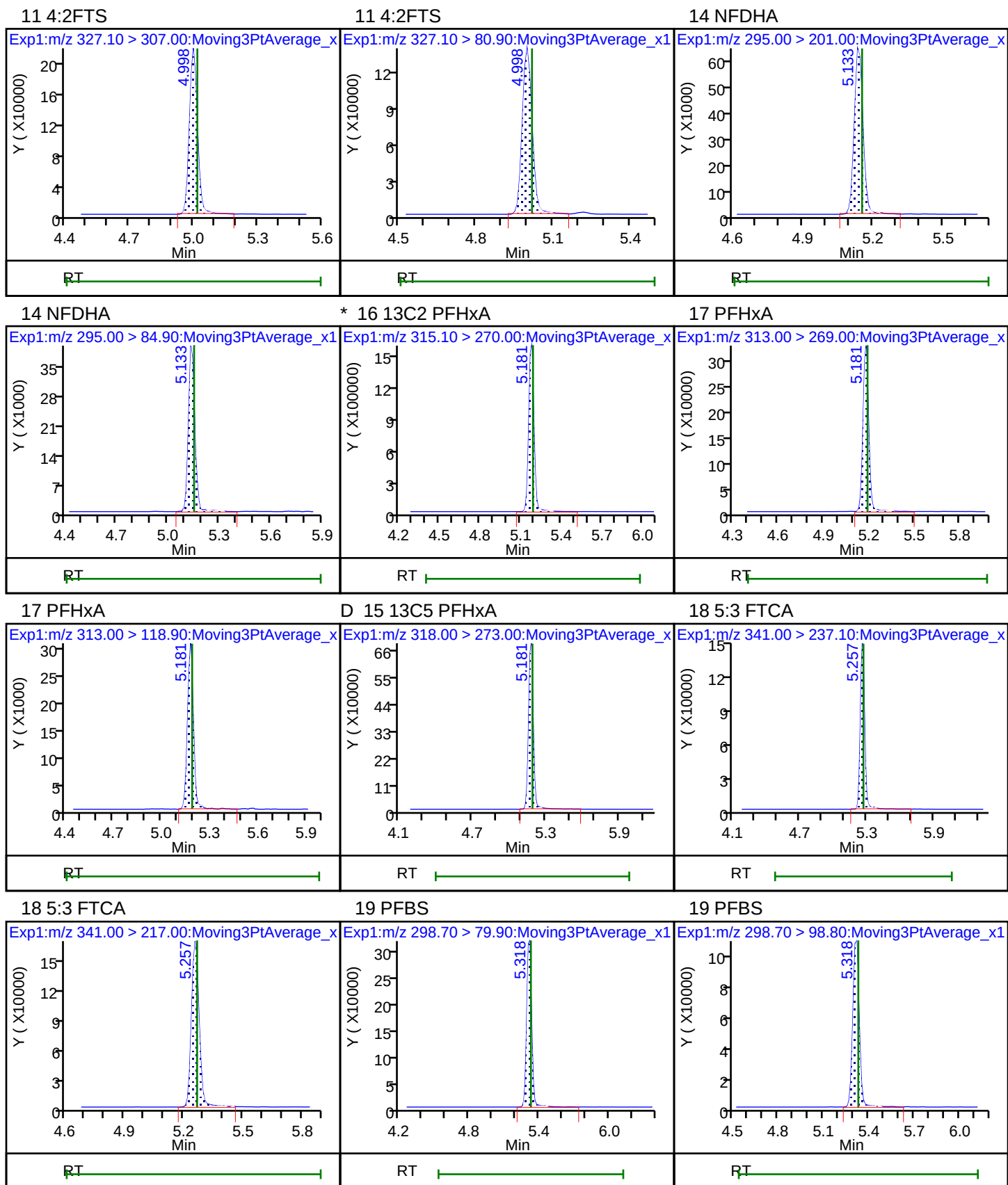


D 8 13C5 PFPeA

10 PFMBa

D 13 13C2-4:2FTS

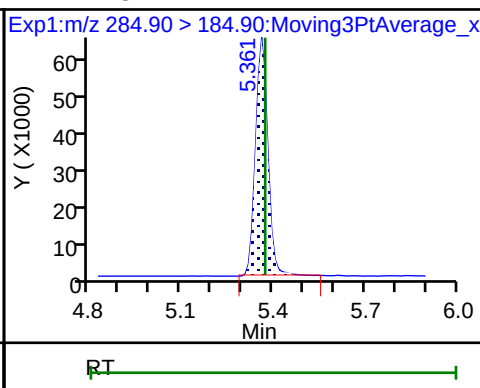
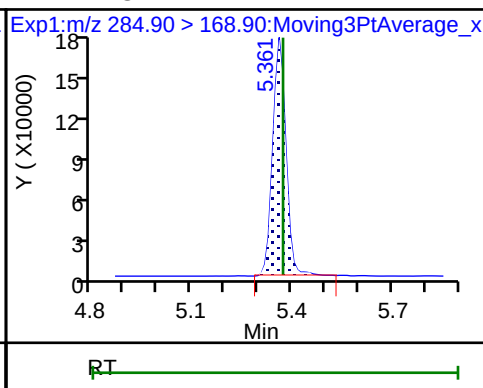
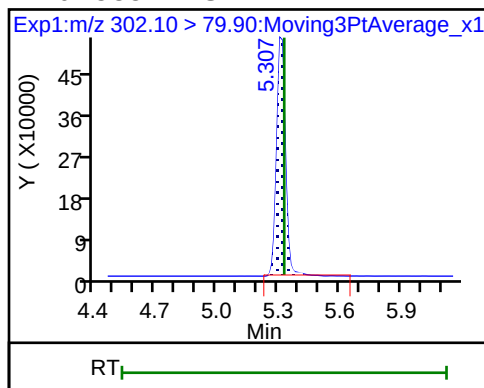




D 20 13C3 PFBS

21 HFPO-DA

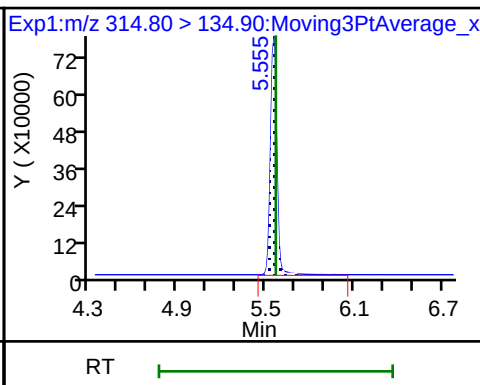
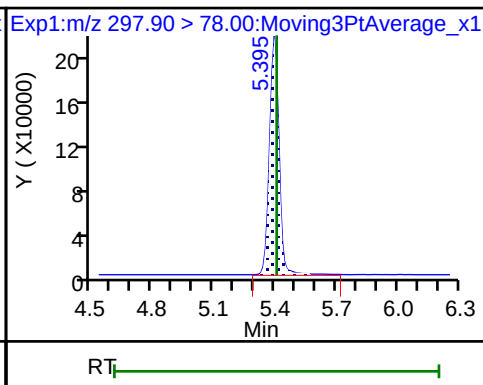
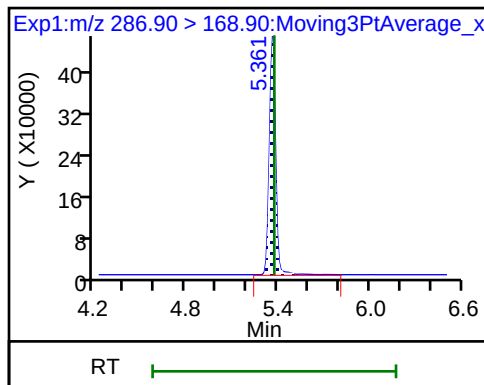
21 HFPO-DA



D 22 13C3 HFPO-DA

23 FBSA

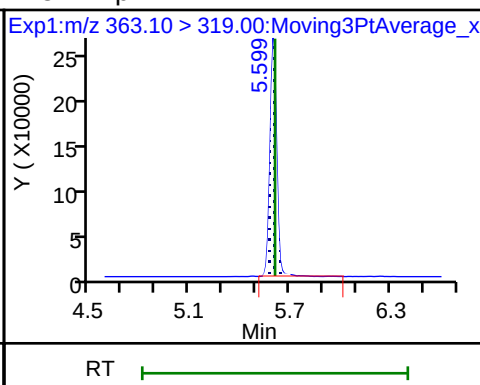
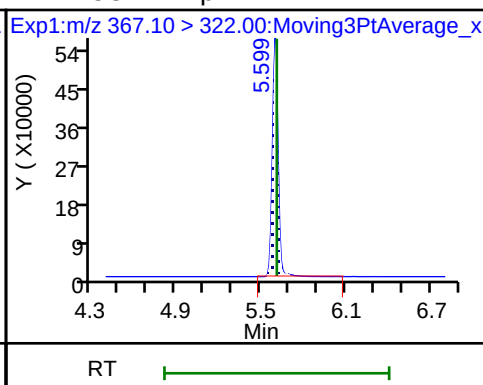
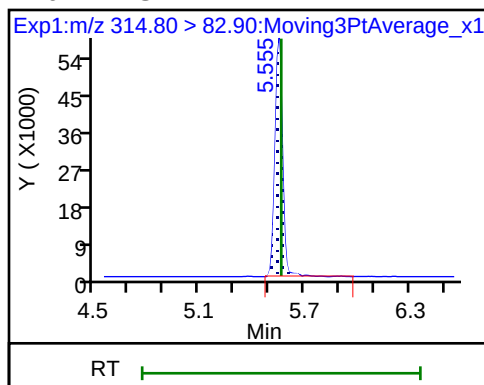
26 PFEESA



26 PFEESA

D 27 13C4 PFHpA

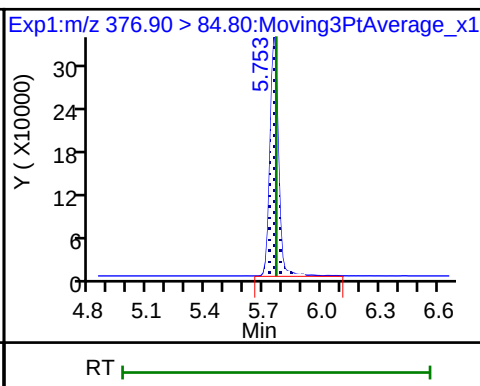
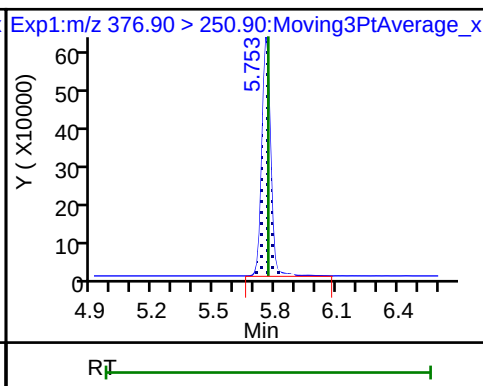
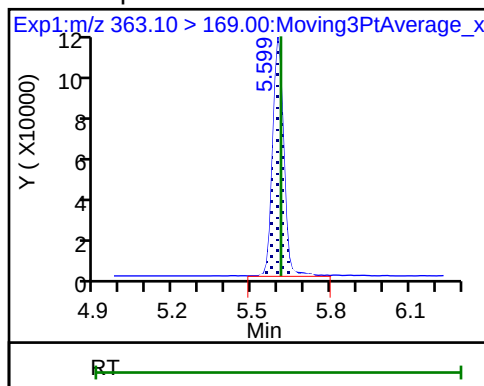
28 PFHpA

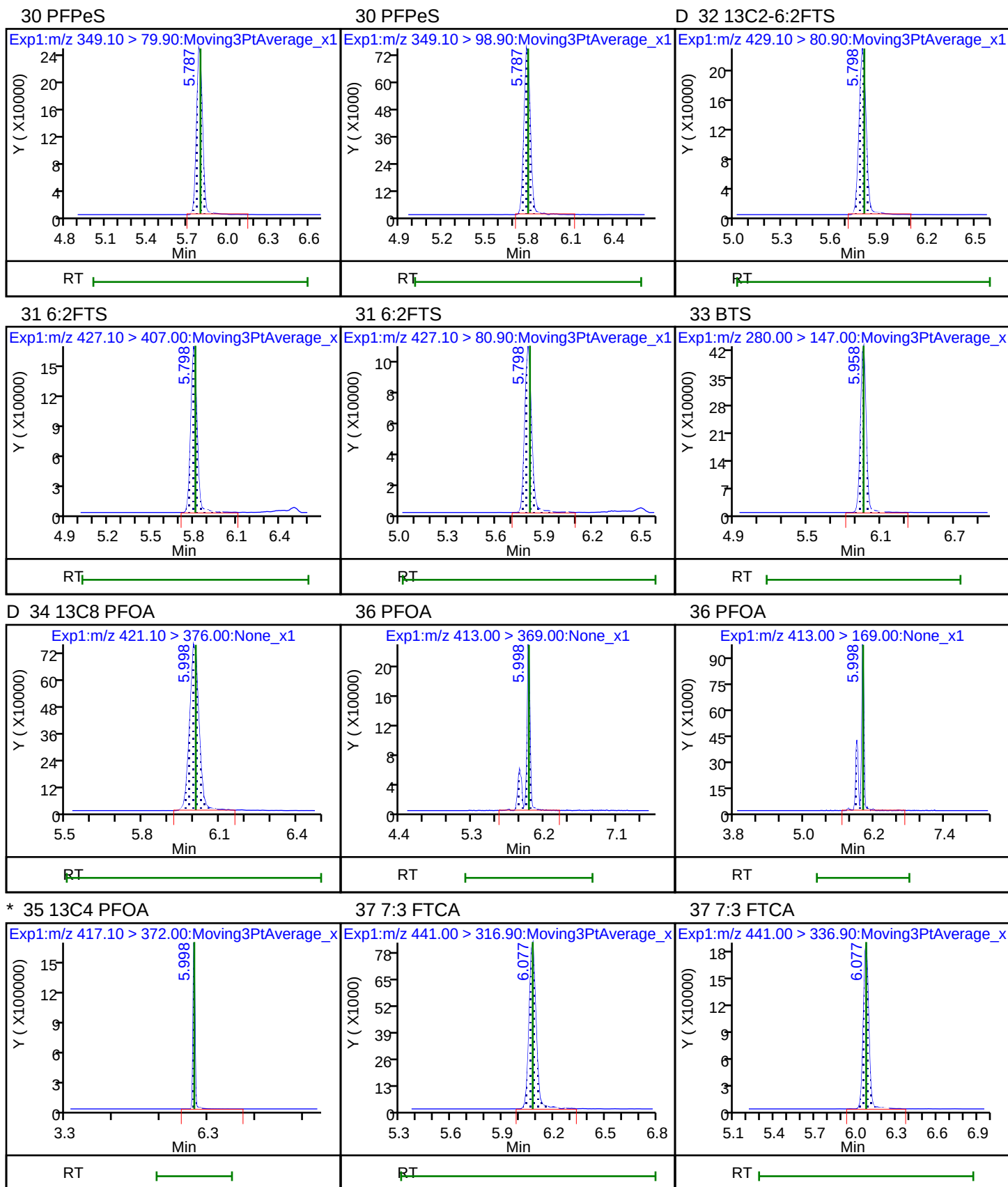


28 PFHpA

29 ADONA

29 ADONA

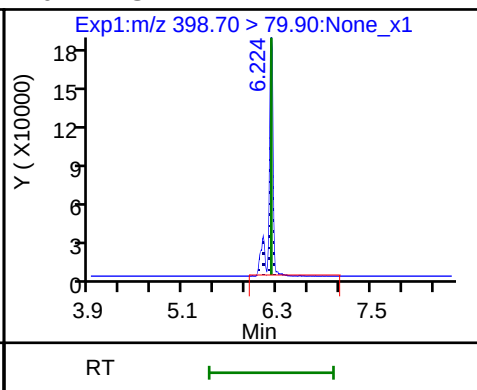
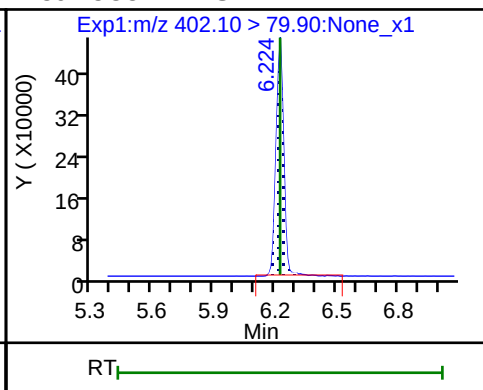
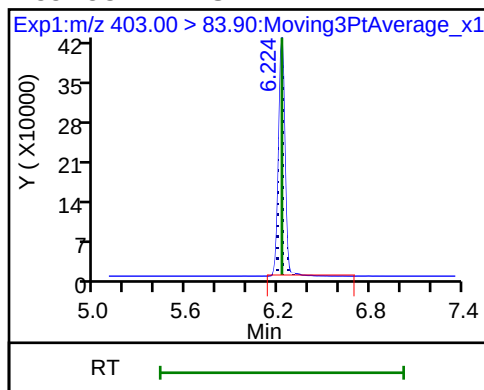




* 38 18O2 PFHxS

D 39 13C3 PFHxS

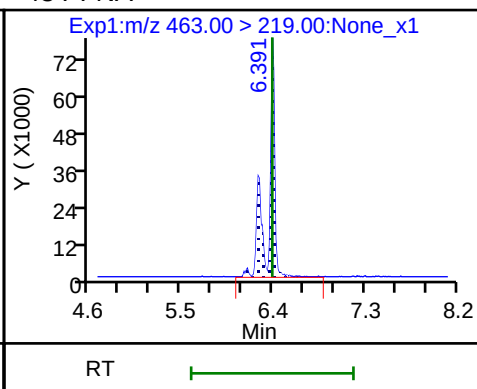
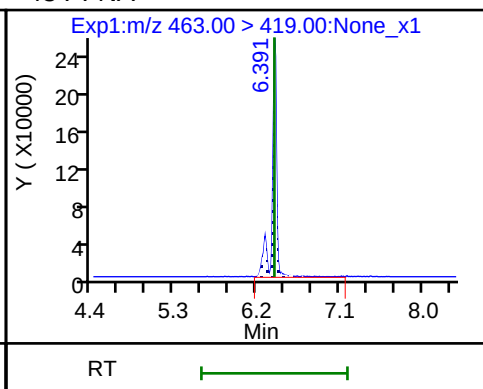
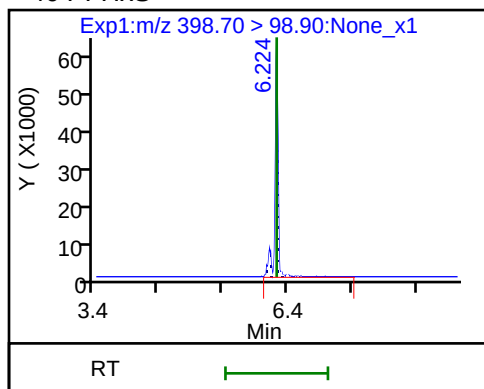
40 PFHxS



40 PFHxS

43 PFNA

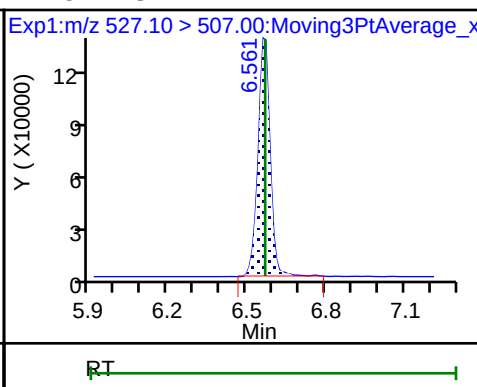
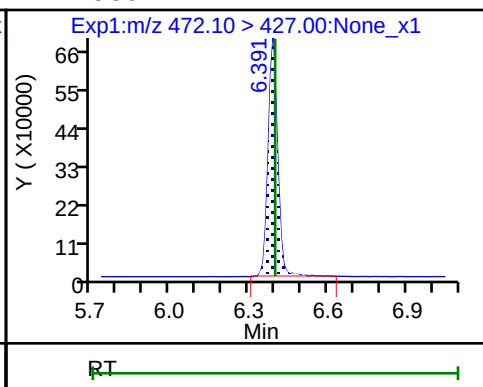
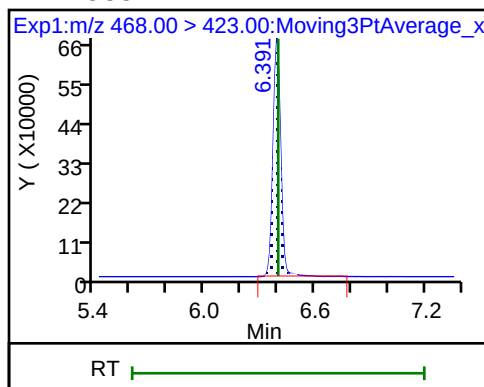
43 PFNA



* 41 13C5 PFNA

D 42 13C9 PFNA

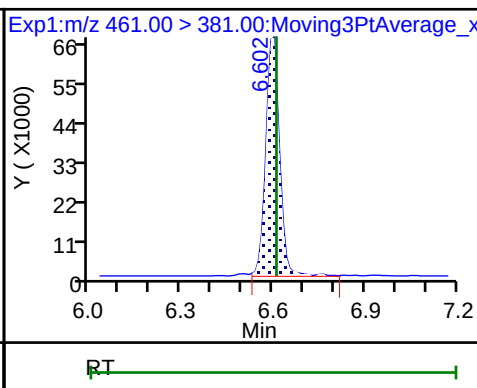
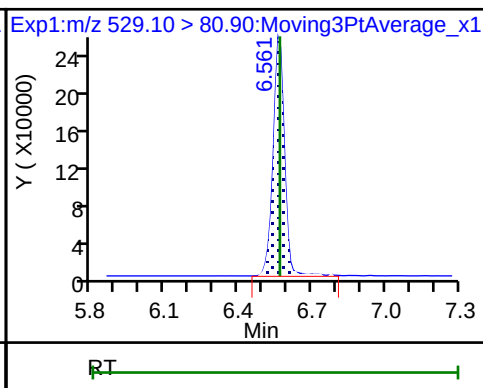
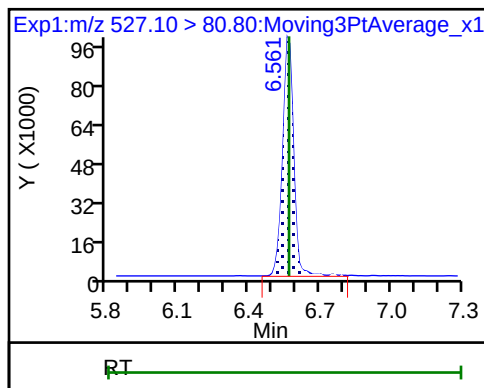
44 8:2FTS

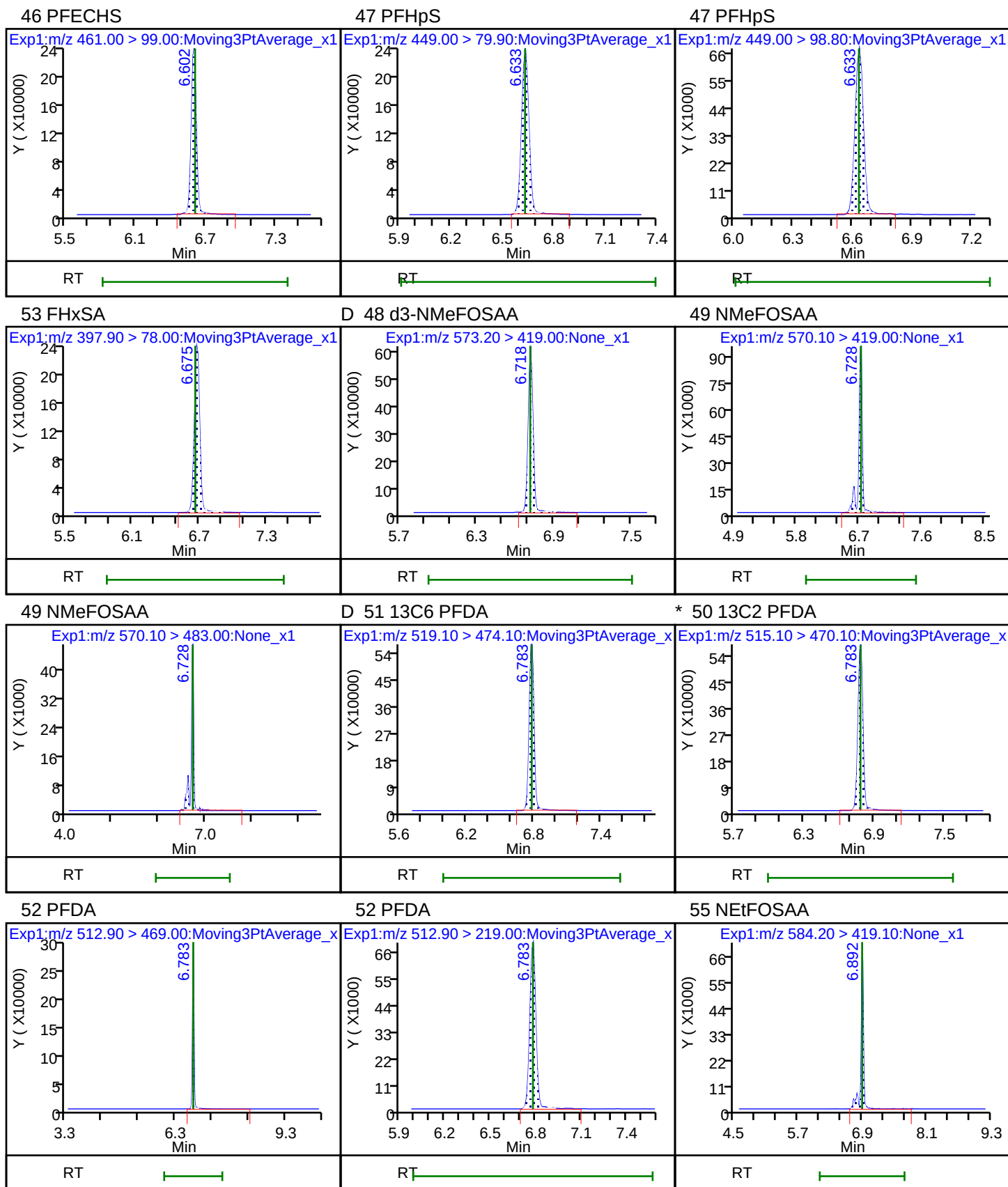


44 8:2FTS

D 45 13C2-8:2FTS

46 PFECHS

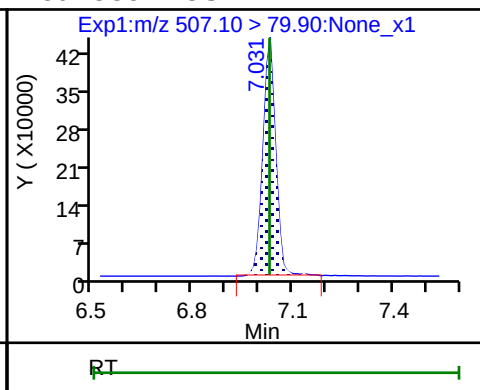
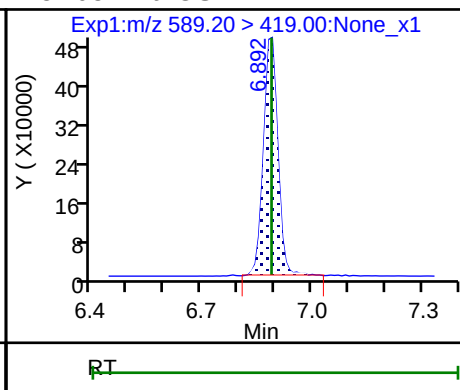
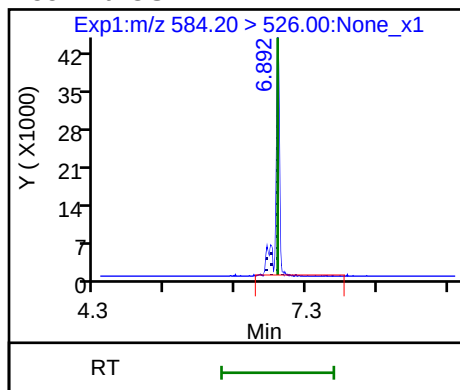




55 NEtFOSAA

D 54 d5-NEtFOSAA

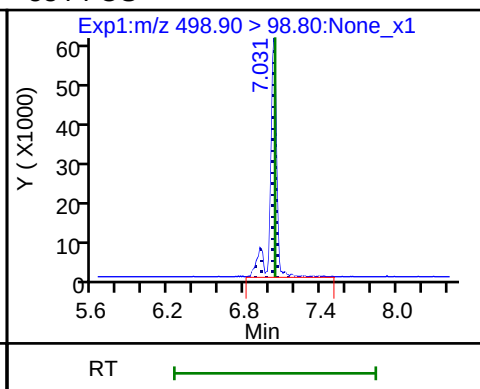
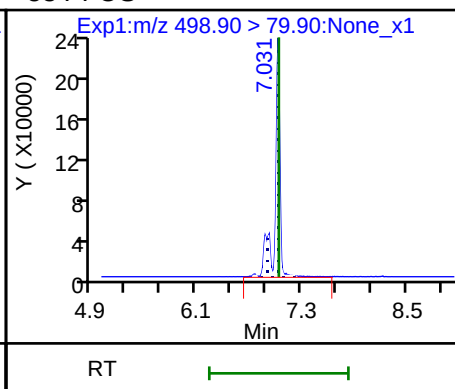
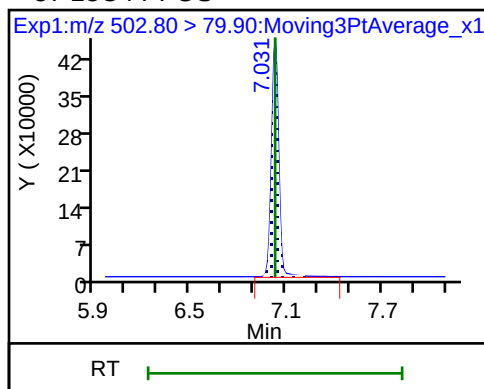
D 56 13C8 PFOS



* 57 13C4 PFOS

58 PFOS

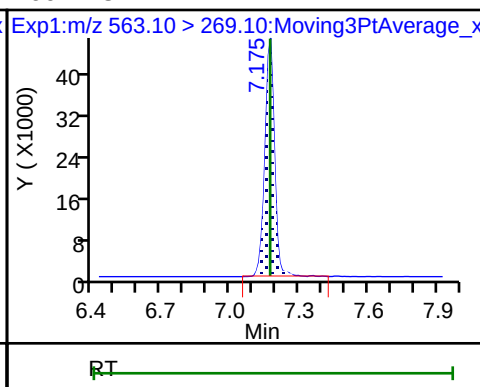
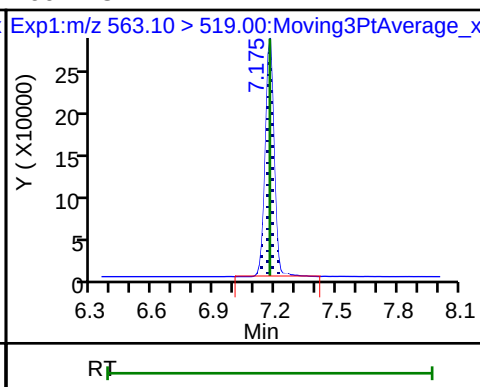
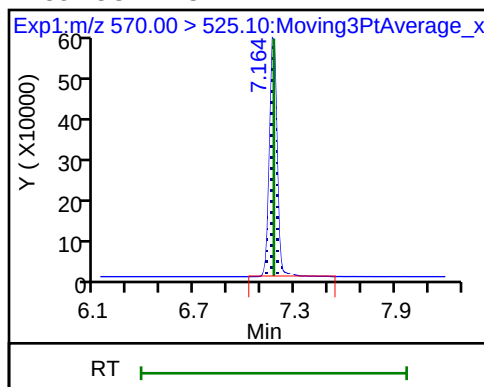
58 PFOS



D 59 13C7 PFUnA

60 PFUnA

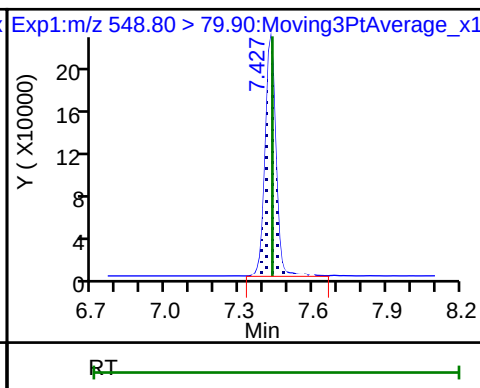
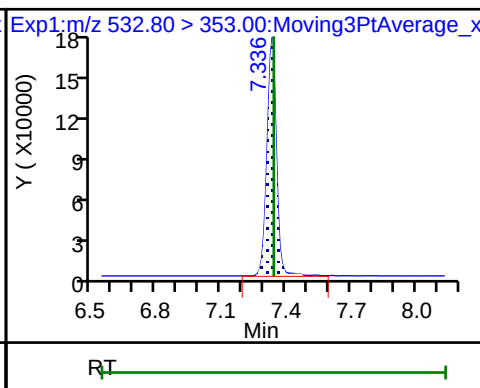
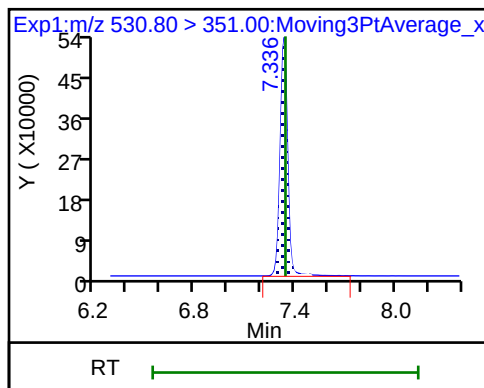
60 PFUnA

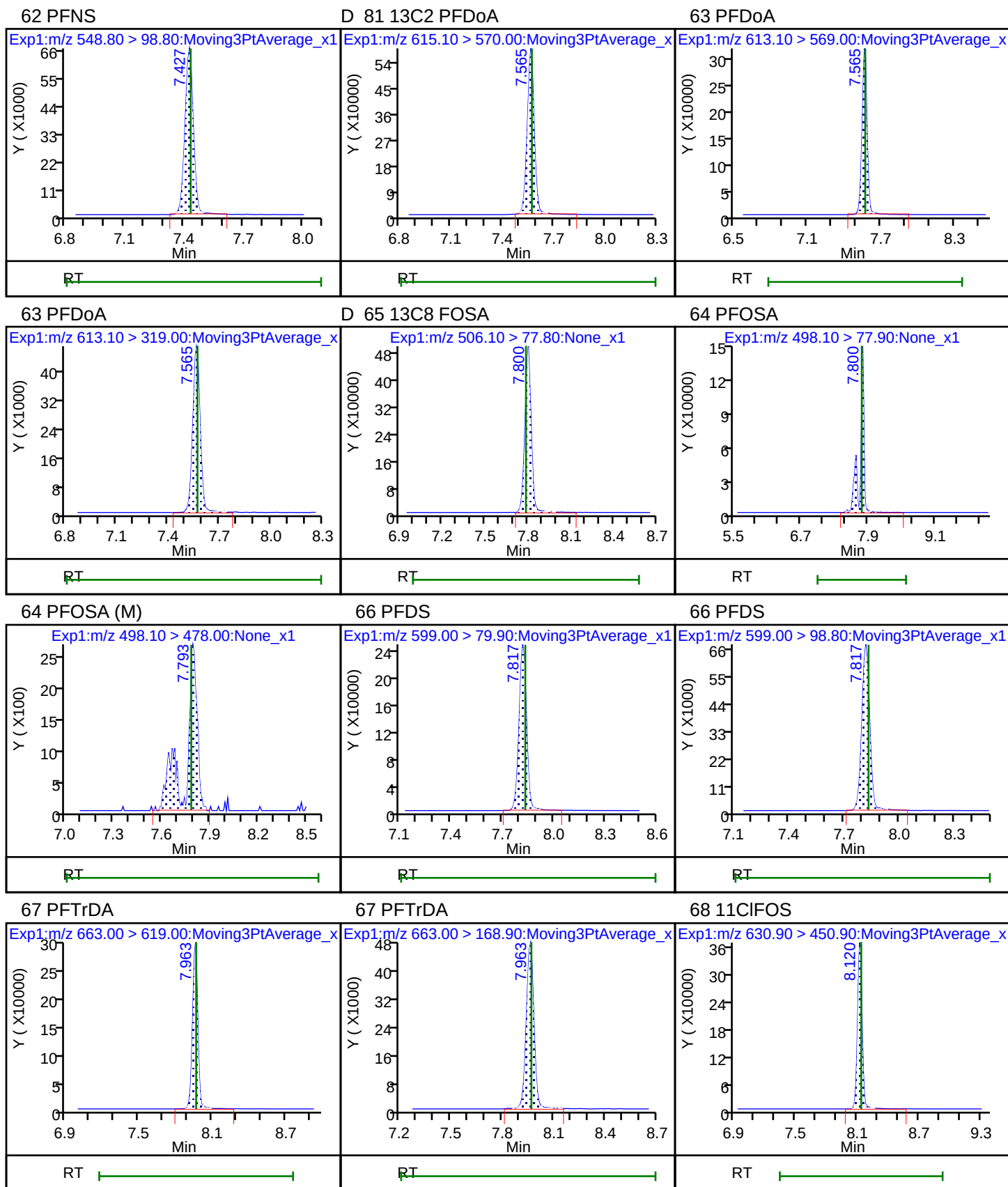


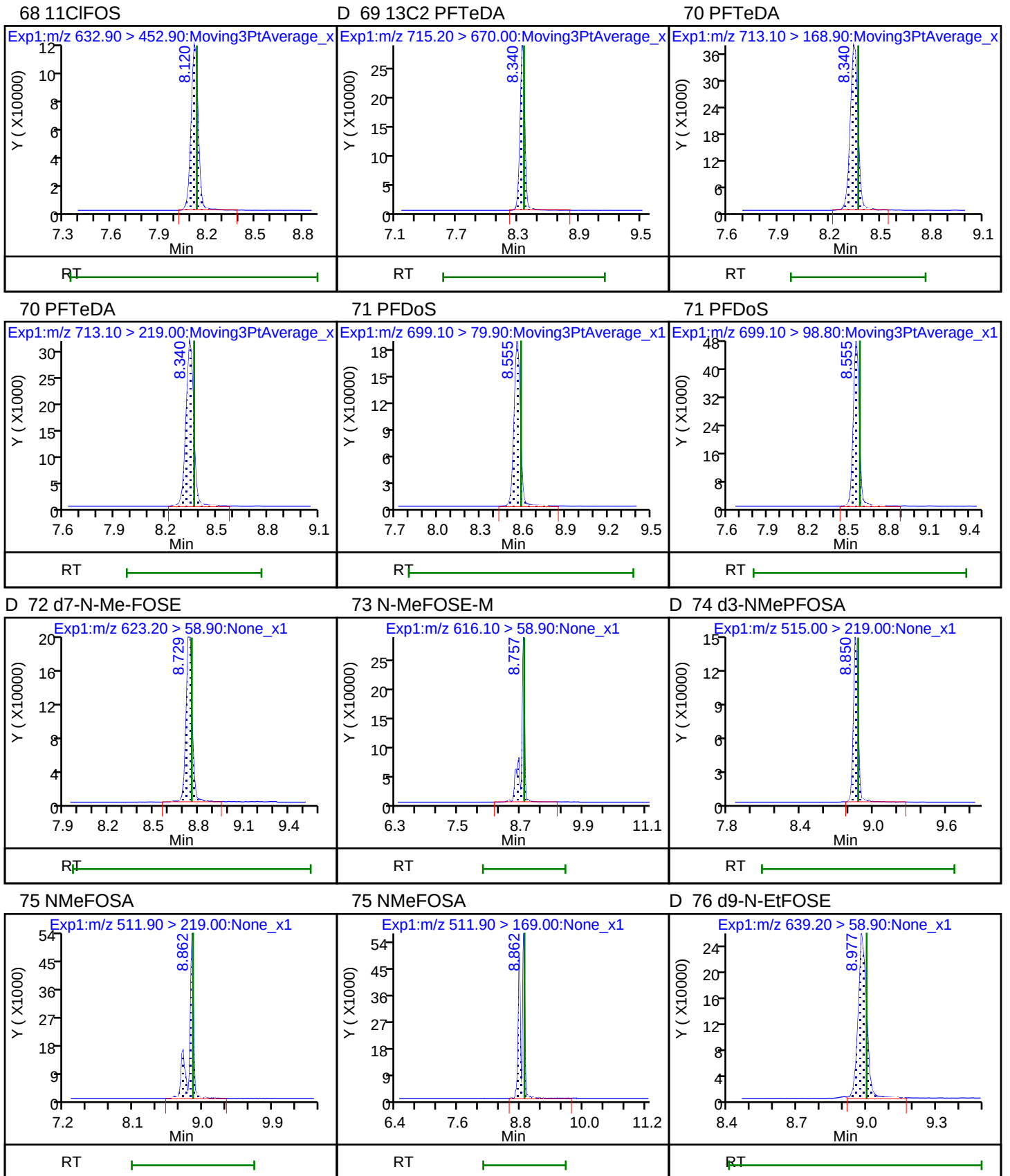
61 9ClFOS

61 9ClFOS

62 PFNS



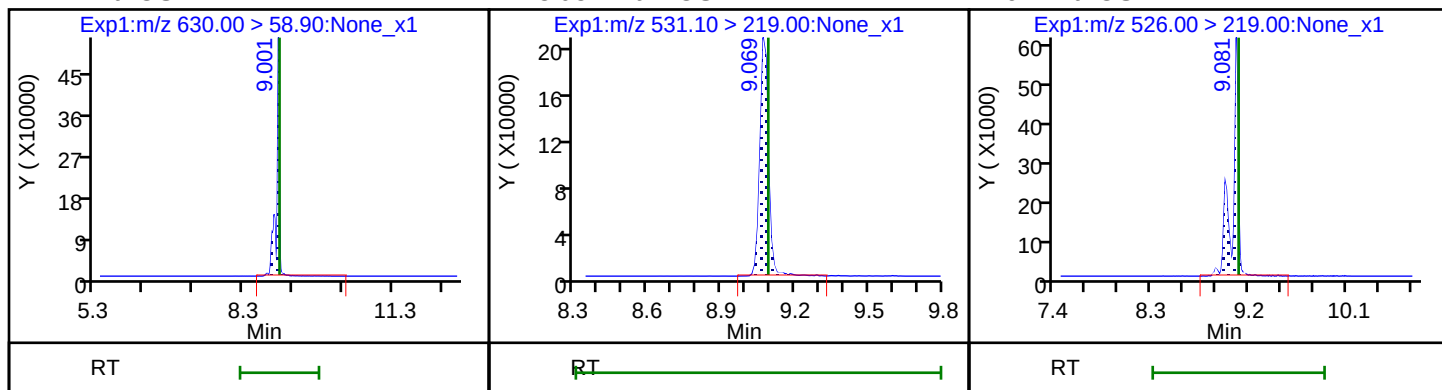




77 N-EtFOSE-M

D 78 d5-NEtPFOSA

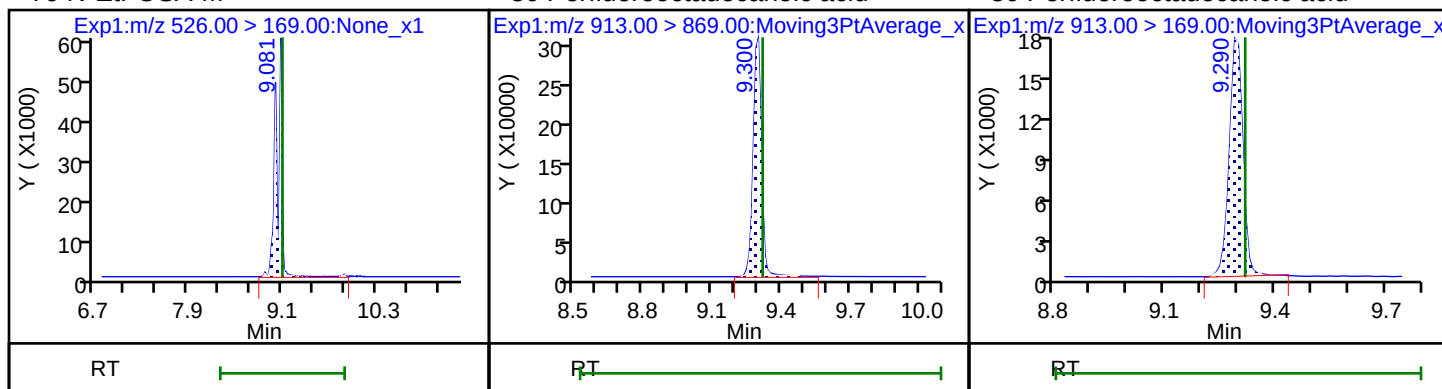
79 N-EtFOSA-M



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.: 410-254628-1

SDG No.:

Lab Sample ID: ICV 410-738495/10

Calibration Date: 12/03/2025 18:00

Instrument ID: 30577

Calib Start Date: 12/03/2025 15:58

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 12/03/2025 17:33

Lab File ID: 25DEC03CAL-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	0.9562	0.8516		2.23	2.50	-11.0	30.0
Perfluorobutanoic acid (PFBA)	AveID	0.9278	0.8941		4.82	5.00	-4.0	30.0
Perfluoro-3-methoxypropanoic acid (PFMPA)	AveID	1.585	1.556		2.45	2.50	-2.0	30.0
3:3 FTCA	AveID	0.0732	0.0683		5.83	6.25	-7.0	30.0
Perfluoropentanoic acid (PFPeA)	AveID	2.021	1.947		2.41	2.50	-4.0	30.0
Perfluoro-4-methoxybutanoic acid (PFMBA)	AveID	2.070	1.902		2.30	2.50	-8.0	30.0
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	AveID	1.849	1.739		4.40	4.69	-6.0	30.0
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	AveID	0.2931	0.2964		2.53	2.50	1.0	30.0
Perfluorohexanoic acid (PFHxA)	AveID	0.8305	0.8205		1.23	1.25	-1.0	30.0
5:3 FTCA	AveID	0.1021	0.0959		29.4	31.3	-6.0	30.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.034	1.013		1.09	1.11	-2.0	30.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.036	1.053		5.09	5.00	2.0	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	0.7082	0.6000		2.12	2.50	-15.0	30.0
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	AveID	2.969	3.094		2.32	2.23	4.0	30.0
Perfluoroheptanoic acid (PFHpA)	AveID	0.7451	0.7306		1.23	1.25	-2.0	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	3.341	3.462		4.90	4.73	4.0	30.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.176	1.210		1.21	1.18	3.0	30.0
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	AveID	1.818	1.769		4.62	4.76	-3.0	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	2.720	2.391		4.30	4.90	-12.0	30.0
Perfluorooctanoic acid (PFOA)	AveID	0.5754	0.5415		1.18	1.25	-6.0	30.0
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	AveID	0.0511	0.0507		31.0	31.3	-1.0	30.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.004	0.9364		1.06	1.14	-7.0	30.0
Perfluorononanoic acid (PFNA)	AveID	0.8128	0.7807		1.20	1.25	-4.0	30.0
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	AveID	1.714	1.654		4.63	4.80	-4.0	30.0
Perfluoro-4-ethylcyclohexane sulfonic acid (PFECBS)	AveID	0.2420	0.2119		2.02	2.31	-12.0	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.346	1.409		1.25	1.19	5.0	30.0
NMeFOSAA	AveID	1.024	0.9720		1.19	1.25	-5.0	30.0
Perfluorodecanoic acid (PFDA)	AveID	0.6022	0.5909		1.23	1.25	-2.0	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	1.244	1.121		2.25	2.50	-10.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Lab Sample ID: ICV 410-738495/10

Calibration Date: 12/03/2025 18:00

Instrument ID: 30577

Calib Start Date: 12/03/2025 15:58

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 12/03/2025 17:33

Lab File ID: 25DEC03CAL-10.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.8386	0.8641		1.29	1.25	3.0	30.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.503	1.474		1.14	1.16	-2.0	30.0
Perfluoroundecanoic acid (PFUnA)	AveID	0.7939	0.8275		1.30	1.25	4.0	30.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	AveID	2.967	3.108		4.89	4.67	5.0	30.0
Perfluorononanesulfonic acid (PFNS)	AveID	1.017	1.005		1.19	1.20	-1.0	30.0
Perfluorododecanoic acid (PFDoA)	AveID	0.7349	0.7162		1.22	1.25	-3.0	30.0
Perfluorodecanesulfonic acid (PFDS)	AveID	1.195	1.173		1.18	1.21	-2.0	30.0
Perfluorooctanesulfonamide	AveID	0.9572	0.9710		1.27	1.26	1.0	30.0
Perfluorotridecanoic acid (PFTrDA)	AveID	1.361	1.244		1.14	1.25	-9.0	30.0
11-Chloroeicosafluoro-3-oxau ndecane-1-sulfonic acid (11Cl-PF30UdS)	AveID	1.971	2.094		5.01	4.72	6.0	30.0
Perfluorotetradecanoic acid (PFTeDA)	AveID	0.1886	0.1992		1.32	1.25	6.0	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	1.000	0.9683		1.17	1.21	-3.0	30.0
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	AveID	2.741	2.621		12.0	12.5	-4.0	30.0
N-methylperfluorooctane sulfonamide (NMeFOSA)	AveID	0.9942	1.005		1.26	1.25	1.0	30.0
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	AveID	3.355	3.375		12.6	12.5	1.0	30.0
N-ethylperfluorooctane sulfonamide (NEtFOSA)	AveID	0.9150	0.9177		1.26	1.25	0.0	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	1.084	1.037		2.39	2.50	-4.0	30.0
13C3 PFPrA	Ave	0.6919	0.6784		1.96	2.00	-2.0	30.0
13C4 PFBA	Ave	1.050	1.009		1.92	2.00	-4.0	30.0
13C5 PFPeA	Ave	0.5406	0.5520		2.04	2.00	2.0	30.0
M2-4:2 FTS	Ave	0.2277	0.2053		4.23	4.69	-10.0	30.0
13C5 PFHxA	Ave	1.129	1.114		1.97	2.00	-1.0	30.0
13C3 PFBS	Ave	1.231	1.214		1.84	1.86	-1.0	30.0
13C3 HFPO-DA	Ave	0.8605	0.8429		1.96	2.00	-2.0	30.0
13C4 PFHpA	Ave	1.186	1.205		2.03	2.00	2.0	30.0
M2-6:2 FTS	Ave	0.1978	0.1806		4.35	4.76	-9.0	30.0
13C8 PFOA	Ave	1.027	1.039		2.02	2.00	1.0	30.0
13C3 PFHxS	Ave	1.002	0.9618		1.82	1.90	-4.0	30.0
13C9 PFNA	Ave	0.9792	1.008		2.06	2.00	3.0	30.0
13C2 8:2 FTS	Ave	0.1849	0.1753		4.55	4.80	-5.0	30.0
d3-NMeFOSAA	Ave	0.4179	0.4152		4.97	5.00	-1.0	30.0
13C6 PFDA	Ave	1.020	0.9638		1.89	2.00	-6.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-254628-1
Environment Testing, LLC

SDG No.: _____

Lab Sample ID: ICV 410-738495/10 Calibration Date: 12/03/2025 18:00

Instrument ID: 30577 Calib Start Date: 12/03/2025 15:58

GC Column: Gemini C18 50mm ID: 3.00 (mm) Calib End Date: 12/03/2025 17:33

Lab File ID: 25DEC03CAL-10.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d5-NEtFOSAA	Ave	0.3695	0.3514		4.76	5.00	-5.0	30.0
13C8 PFOS	Ave	1.004	0.9764		1.86	1.92	-3.0	30.0
13C7 PFUnA	Ave	1.114	0.9823		1.76	2.00	-12.0	30.0
13C2 PFDoA	Ave	1.021	0.9662		1.89	2.00	-5.0	30.0
13C8 FOSA	Ave	1.174	1.126		1.92	2.00	-4.0	30.0
13C2 PFTeDA	Ave	0.6354	0.5765		1.81	2.00	-9.0	30.0
d7-N-MeFOSE-M	Ave	0.0854	0.0833		4.88	5.00	-2.0	30.0
d3-NMePFOSA	Ave	0.3381	0.3316		1.96	2.00	-2.0	30.0
d9-N-EtFOSE-M	Ave	0.1017	0.0953		4.69	5.00	-6.0	30.0
d5-NEtPFOSA	Ave	0.4089	0.3975		1.94	2.00	-3.0	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\25DEC03CAL-10.d
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 03-Dec-2025 18:00:40 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 7.0 ul Dil. Factor: 1.0000
 Sample Info: ICV
 Misc. Info.: Plate: 1 Rack: 1 410-0168744-010
 Operator ID: ETUS023_USR_INS00009 Instrument ID: 30577
 Sublist:

Method: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\30577-1633-125.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 03-Dec-2025 20:37:24 Calib Date: 03-Dec-2025 17:33:28
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\25DEC03CAL-08.d

Column 1 : Det: EXP1
 Process Host: CTX1687

First Level Reviewer: XBL5 Date: 03-Dec-2025 20:27:10

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	1.939	1.947	-0.008	0.472	1068482	1.96		98.1	2262	
2 Perfluoropropionic acid										
163.00 > 119.00	1.947	1.947	0.0	1.004	1137436	2.23			6477	
3 PFBA										
212.80 > 168.90	4.099	4.112	-0.013	0.998	3551711	4.82			22406	
D 4 13C4-PFBA										
216.80 > 171.90	4.106	4.112	-0.006	1.000	1588918	1.92		96.1	3876	
* 5 13C3PFBA										
216.00 > 172.00	4.106	4.118	-0.012		1574926	2.00			3631	
6 PFMPA										
229.00 > 84.90	4.458	4.466	-0.008	0.930	1906737	2.45			3421	
7 3:3 FTCA										
241.00 > 177.00	4.474	4.491	-0.017	0.933	209175	5.83	Target=1.11		1801	
241.00 > 117.00	4.474	4.491	-0.017	0.933	186475		1.12(0.56-1.67)		886	
9 PFPA										
263.00 > 219.00	4.795	4.802	-0.007	1.000	2386013	2.41			1579	
D 8 13C5 PFPeA										
268.30 > 223.00	4.795	4.802	-0.007	0.913	980356	2.04		102	3776	
10 PFMBBA										
279.00 > 85.10	4.946	4.954	-0.008	1.032	2330213	2.30			6032	
12 4:2FTS										
327.10 > 307.00	5.074	5.074	0.0	1.000	1554671	4.40	Target=1.70		5730	
327.10 > 80.90	5.074	5.074	0.0	1.000	894030		1.74(0.85-2.55)		1217	
D 11 13C2-4:2FTS										
329.10 > 80.90	5.074	5.074	0.0	0.807	895175	4.23		90.2	4530	

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	5.218	-0.012	0.992	733087	2.53	Target=1.56		4767	
295.00 > 84.90	5.206	5.218	-0.012	0.992	483509		1.52(0.78-2.34)		2001	
* 16 13C2 PFHxA										
315.10 > 270.00	5.250	5.260	-0.010		4439786	5.00			8763	
D 15 13C5 PFHxA										
318.00 > 273.00	5.250	5.260	-0.010	1.000	1978895	1.97		98.7	4250	
17 PFHxA										
313.00 > 269.00	5.250	5.260	-0.010	1.000	1014774	1.23	Target=10.34		1926	
313.00 > 118.90	5.250	5.260	-0.010	1.000	104098		9.75(5.17-15.52)		938	
18 5:3 FTCA										
341.00 > 237.10	5.337	5.348	-0.011	1.017	2965612	29.4	Target=0.69		2634	
341.00 > 217.00	5.337	5.348	-0.011	1.017	4332699		0.68(0.35-1.04)		2157	
D 19 13C3 PFBS										
302.10 > 79.90	5.379	5.389	-0.011	0.855	2103659	1.84		98.6	8752	
20 PFBS										
298.70 > 79.90	5.379	5.389	-0.011	1.000	1269233	1.09	Target=2.94		3686	
298.70 > 98.80	5.379	5.389	-0.011	1.000	443378		2.86(1.47-4.41)		2116	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.432	5.442	-0.010	1.035	1496924	1.96		98.0	8439	
23 HFPO-DA										
284.90 > 168.90	5.432	5.442	-0.010	1.000	3942046	5.09	Target=2.33		8521	
284.90 > 184.90	5.432	5.442	-0.010	1.000	1661474		2.37(1.16-3.49)		9010	
21 FBSA										
297.90 > 78.00	5.476	5.476	0.0	1.018	1692864	2.12			2521	
26 PFEESA										
314.80 > 134.90	5.620	5.620	0.0	1.070	6826010	2.32	Target=13.08		12890	
314.80 > 82.90	5.620	5.620	0.0	1.070	506552		13.48(6.54-19.62)		2034	
D 28 13C4 PFHpA										
367.10 > 322.00	5.672	5.672	0.0	1.080	2139825	2.03		102	6690	
27 PFHpA										
363.10 > 319.00	5.672	5.684	-0.012	1.000	977071	1.23	Target=1.78		1981	
363.10 > 169.00	5.672	5.684	-0.012	1.000	566669		1.72(0.89-2.67)		2162	
29 ADONA										
376.90 > 250.90	5.819	5.830	-0.011	1.071	12245058	4.90	Target=2.07		7383	
376.90 > 84.80	5.819	5.830	-0.011	1.071	6024174		2.03(1.04-3.11)		5860	
30 PFPeS										
349.10 > 79.90	5.853	5.865	-0.012	0.931	1271152	1.21	Target=3.11		5400	
349.10 > 98.90	5.853	5.865	-0.012	0.931	388298		3.27(1.56-4.67)		2883	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.865	5.876	-0.011	0.933	799435	4.35		91.3	3211	
31 6:2FTS										
427.10 > 407.00	5.865	5.876	-0.011	1.000	1412368	4.62	Target=1.69		322	
427.10 > 80.90	5.865	5.876	-0.011	1.000	881571		1.60(0.85-2.54)		364	
33 BTS										
280.00 > 147.00	6.012	6.014	-0.002	0.956	10464614	4.30			7976	
* 34 13C4 PFOA										
417.10 > 372.00	6.066	6.084	-0.018		6939596	5.00			5639	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 35 13C8 PFOA										
421.10 > 376.00	6.066	6.084	-0.018	1.000	2883422	2.02		101	4371	
36 PFOA										
413.00 > 369.00	6.066	6.084	-0.018	1.000	977049	1.18	Target=1.59		1192	
413.00 > 169.00	6.066	6.084	-0.018	1.000	587384		1.66(0.80-2.39)		703	
37 7:3 FTCA										
441.00 > 316.90	6.176	6.176	0.0	1.176	1568270	31.0	Target=0.30		2461	
441.00 > 336.90	6.176	6.176	0.0	1.176	5874335		0.27(0.15-0.45)		3275	
D 38 13C3 PFHxS										
402.10 > 79.90	6.287	6.297	-0.010	1.000	1695464	1.82		96.0	4770	
* 39 18O2 PFHxS										
403.00 > 83.90	6.287	6.297	-0.010		1762828	1.90			6853	
40 PFHxS										
398.70 > 79.90	6.287	6.306	-0.019	1.000	954993	1.06	Target=3.25		1695	
398.70 > 98.90	6.287	6.306	-0.019	1.000	304291		3.14(1.63-4.88)		590	
D 41 13C9 PFNA										
472.10 > 427.00	6.470	6.479	-0.009	1.000	2302397	2.06		103	4044	
43 PFNA										
463.00 > 419.00	6.470	6.479	-0.009	1.000	1122528	1.20	Target=1.99		1504	
463.00 > 219.00	6.470	6.479	-0.009	1.000	553655		2.03(1.00-2.99)		585	
* 42 13C5 PFNA										
468.00 > 423.00	6.470	6.479	-0.009		2284577	2.00			6134	
D 44 13C2-8:2FTS										
529.10 > 80.90	6.654	6.666	-0.012	1.058	782148	4.55		94.8	2961	
45 8:2FTS										
527.10 > 507.00	6.654	6.666	-0.012	1.000	1293874	4.63	Target=1.75		3120	
527.10 > 80.80	6.654	6.666	-0.012	1.000	747645		1.73(0.88-2.63)		2865	
46 PFECHS										
461.00 > 381.00	6.675	6.686	-0.011	1.062	437699	2.02	Target=0.21		2407	
461.00 > 99.00	6.675	6.686	-0.011	1.062	2237513		0.20(0.10-0.31)		11437	
47 PFHpS										
449.00 > 79.90	6.715	6.725	-0.010	0.942	1235219	1.25	Target=3.35		3768	
449.00 > 98.80	6.715	6.725	-0.010	0.942	374432		3.30(1.68-5.03)		1965	
D 49 d3-NMeFOSAA										
573.20 > 419.00	6.813	6.823	-0.010	0.956	1565886	4.97		99.4	2896	
50 NMeFOSAA										
570.10 > 419.00	6.823	6.833	-0.010	1.001	380519	1.19	Target=1.72		148	
570.10 > 483.00	6.823	6.833	-0.010	1.001	243968		1.56(0.86-2.58)		614	
53 PFDA										
512.90 > 469.00	6.872	6.881	-0.009	1.000	861913	1.23	Target=2.79		3206	
512.90 > 219.00	6.872	6.881	-0.009	1.000	308689		2.79(1.39-4.18)		937	
D 52 13C6 PFDA										
519.10 > 474.10	6.872	6.881	-0.009	1.000	2333968	1.89		94.5	6277	
* 51 13C2 PFDA										
515.10 > 470.10	6.872	6.881	-0.009		2421657	2.00			7275	
48 FHxSA										
397.90 > 78.00	6.881	6.890	-0.009	1.094	2505514	2.25			4145	

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	6.995	7.005	-0.010	0.981	1325288	4.76		95.1	3436	
55 NEtFOSAA										
584.20 > 419.10	7.006	7.005	0.001	1.001	286655	1.29	Target=1.36		581	
584.20 > 526.00	7.006	7.005	0.001	1.001	224782		1.28(0.68-2.04)		449	
D 56 13C8 PFOS										
507.10 > 79.90	7.130	7.139	-0.009	1.000	1411217	1.86		97.3	2073	
58 PFOS										
498.90 > 79.90	7.130	7.139	-0.009	1.000	1259184	1.14	Target=4.13		1598	
498.90 > 98.80	7.130	7.139	-0.009	1.000	305256		4.13(2.07-6.20)		764	
* 57 13C4 PFOS										
502.80 > 79.90	7.130	7.139	-0.009		1445271	1.92			7083	
D 59 13C7 PFUnA										
570.00 > 525.10	7.274	7.283	-0.009	1.058	2378805	1.76		88.2	6037	
60 PFUnA										
563.10 > 519.00	7.274	7.283	-0.009	1.000	1230251	1.30	Target=6.23		4041	
563.10 > 269.10	7.274	7.283	-0.009	1.000	223738		5.50(3.12-9.35)		1192	
61 9ClFOS										
530.80 > 351.00	7.440	7.451	-0.011	1.043	10677601	4.89	Target=3.01		12686	
532.80 > 353.00	7.440	7.451	-0.011	1.043	3492605		3.06(1.50-4.51)		9819	
62 PFNS										
548.80 > 79.90	7.534	7.544	-0.010	1.057	887872	1.19	Target=3.21		5071	
548.80 > 98.80	7.534	7.544	-0.010	1.057	268729		3.30(1.61-4.82)		1778	
63 PFDoA										
613.10 > 569.00	7.678	7.687	-0.009		1047358	1.22	Target=4.51		3952	
613.10 > 319.00	7.678	7.687	-0.009		240399		4.36(2.25-6.76)		1406	
D 81 PFDoA										
615.10 > 570.00	7.678	7.687	-0.009	1.117	2339717	1.89		94.6	5327	
66 PFDS										
599.00 > 79.90	7.929	7.937	-0.008	1.112	1041199	1.18	Target=3.42		4497	
599.00 > 98.80	7.929	7.937	-0.008	1.112	308050		3.38(1.71-5.12)		1206	
D 65 13C8 FOSA										
506.10 > 77.80	7.946	7.954	-0.008	1.114	1698459	1.92		95.9	5479	
64 PFOSA										
498.10 > 77.90	7.954	7.963	-0.009	1.001	1034839	1.27	Target=43.61		2266	
498.10 > 478.00	7.954	7.963	-0.009	1.001	26924		38.44(21.80-65.41)		47.7	
67 PFTrDA										
663.00 > 619.00	8.081	8.081	0.0	0.956	1452430	1.14	Target=7.60		6164	
663.00 > 168.90	8.081	8.081	0.0	0.956	209168		6.94(3.80-11.40)		856	
68 11ClFOS										
630.90 > 450.90	8.240	8.250	-0.010	1.156	7271740	5.01	Target=3.18		10630	
632.90 > 452.90	8.240	8.250	-0.010	1.156	2450409		2.97(1.59-4.76)		6166	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.455	8.464	-0.009	1.230	1396062	1.81		90.7	4579	
69 PFTeDA										
713.10 > 168.90	8.455	8.474	-0.019	1.000	173831	1.32	Target=1.14		1657	
713.10 > 219.00	8.455	8.474	-0.019	1.000	148986		1.17(0.57-1.70)		815	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
71 PFDoS										
699.10 > 79.90	8.669	8.668	0.001	1.216	862928	1.17	Target=3.63		2441	
699.10 > 98.80	8.669	8.668	0.001	1.216	242439		3.56(1.81-5.44)		2565	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.815	8.825	-0.010	1.236	314275	4.88		97.5	545	
73 N-MeFOSE-M										
616.10 > 58.90	8.835	8.844	-0.009	1.002	2062037	12.0			1773	M
D 75 d3-NMePFOSA										
515.00 > 219.00	8.933	8.942	-0.009	1.253	500199	1.96		98.1	3440	
74 NMeFOSA										
511.90 > 219.00	8.943	8.942	0.001	1.001	314194	1.26	Target=0.68		1315	
511.90 > 169.00	8.943	8.942	0.001	1.001	454803		0.69(0.34-1.02)		953	
D 76 d9-N-EtFOSE										
639.20 > 58.90	9.052	9.066	-0.014	1.270	359391	4.69		93.7	503	
77 N-EtFOSE-M										
630.00 > 58.90	9.081	9.080	0.001	1.003	3041885	12.6			3332	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.151	9.151	0.001	1.283	599681	1.94		97.2	3175	
79 N-EtFOSA-M										
526.00 > 219.00	9.151	9.164	-0.013	1.000	344657	1.26	Target=0.84		1505	
526.00 > 169.00	9.151	9.164	-0.013	1.000	410773		0.84(0.42-1.26)		1246	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.372	9.385	-0.013	1.108	1809814	2.39	Target=15.84		15394	
913.00 > 169.00	9.372	9.385	-0.013	1.108	105619		17.14(7.92-23.77)		4449	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_ICV_00032

Amount Added: 1.00

Units: mL

Data File: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\25DEC03CAL-10.d

Injection Date: 03-Dec-2025 18:00:40

Instrument ID: 30577

Lims ID: ICV

Client ID:

Operator ID: ETUS023_USR_INS00009

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 7.0 ul

Dil. Factor: 1.0000

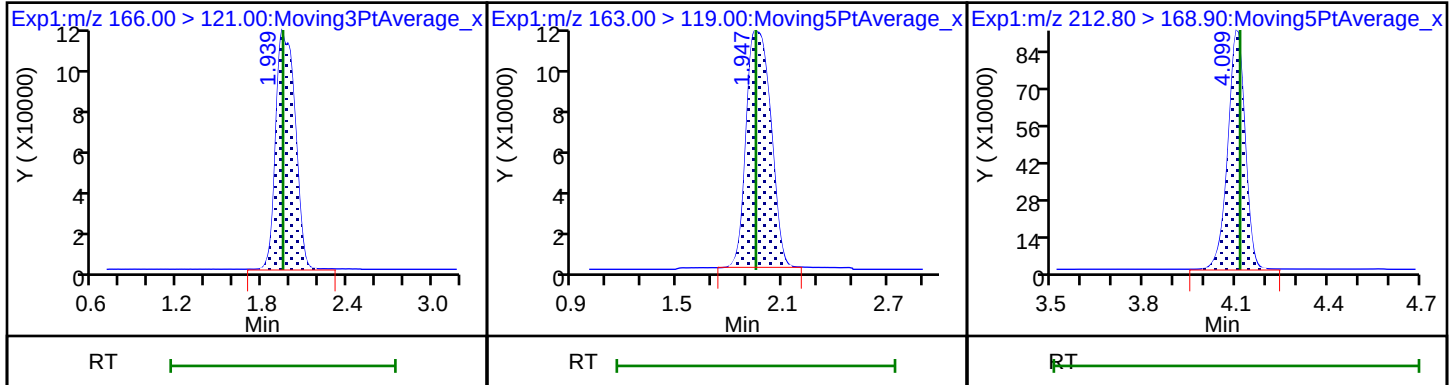
Method: 30577-1633-125

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid

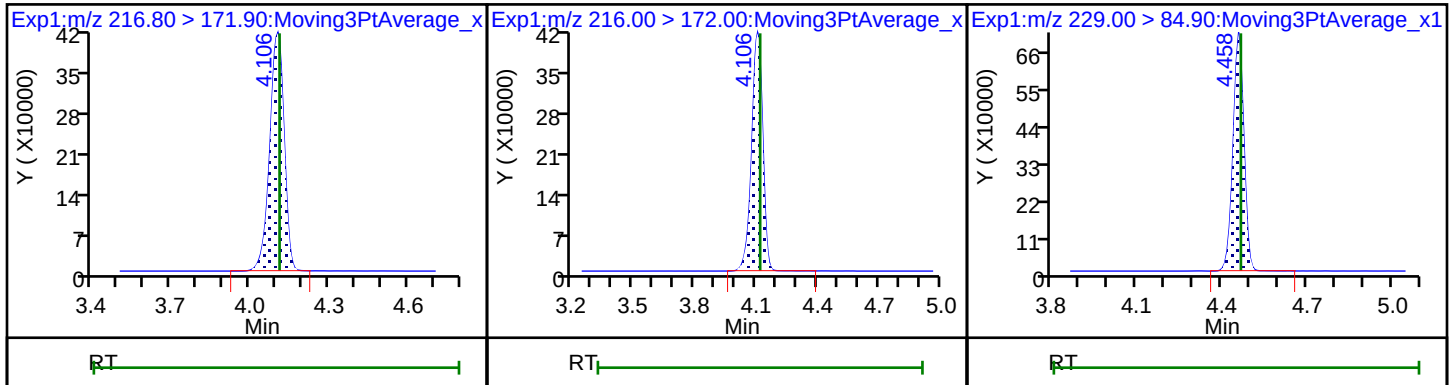
3 PFBA



D 4 13C4-PFBA

* 5 13C3PFBA

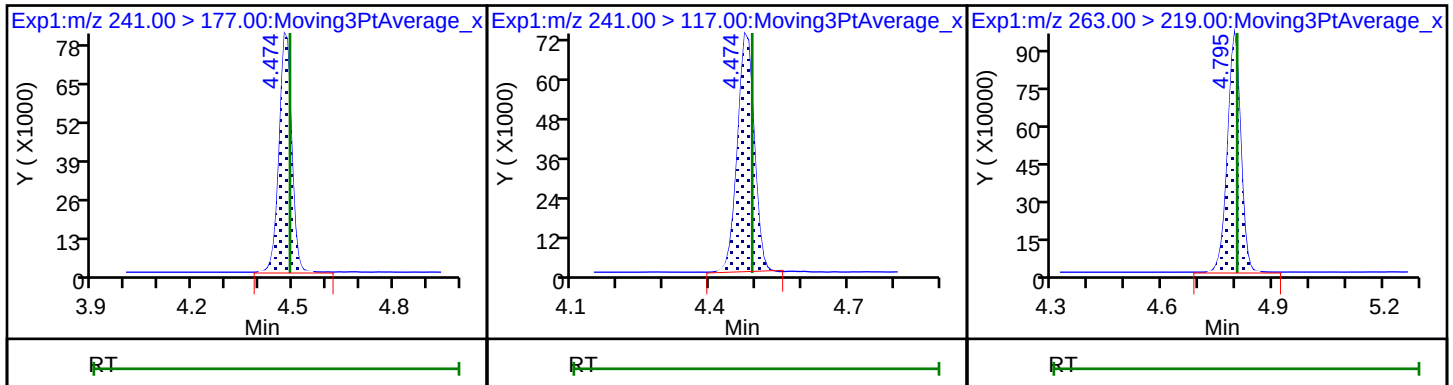
6 PFMPA



7 3:3 FTCA

7 3:3 FTCA

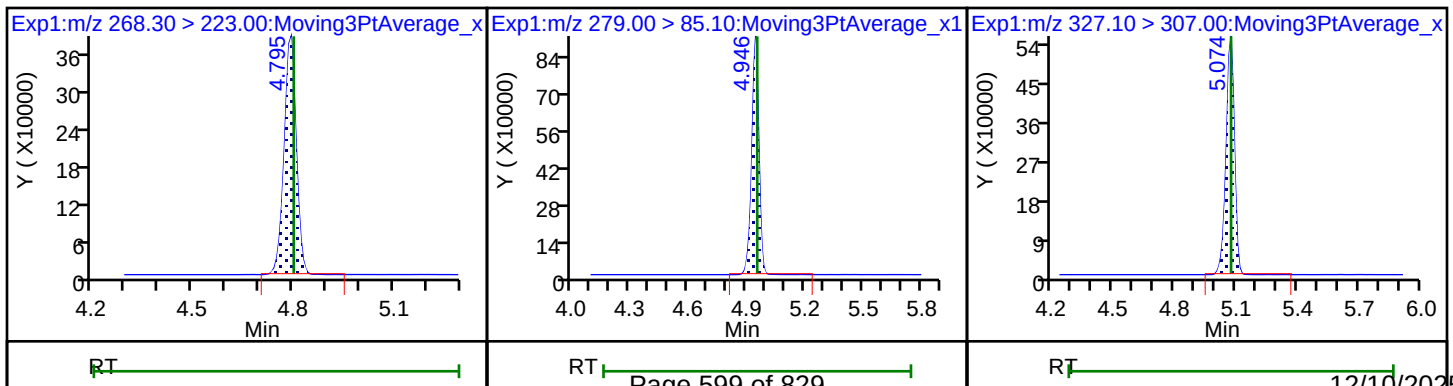
9 PFPA



D 8 13C5 PFPeA

10 PFMB A

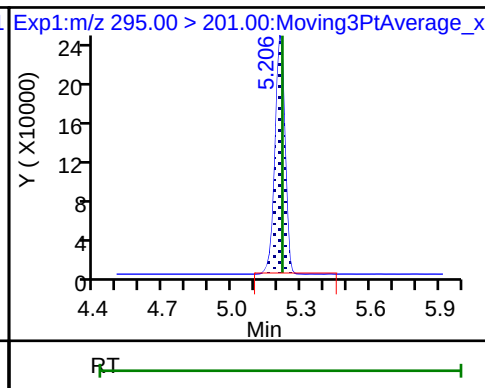
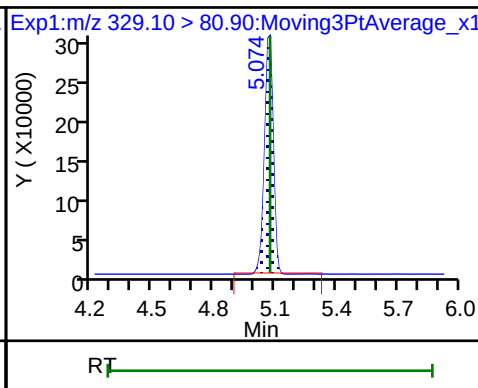
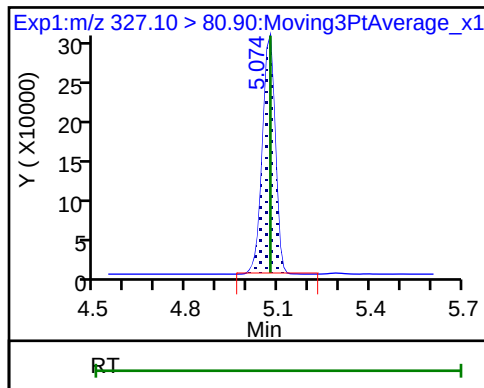
12 4:2F TS



12 4:2FTS

D 11 13C2-4:2FTS

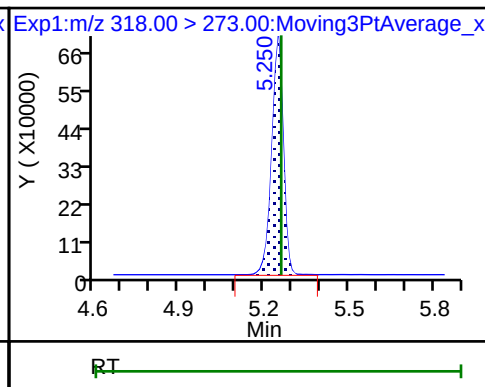
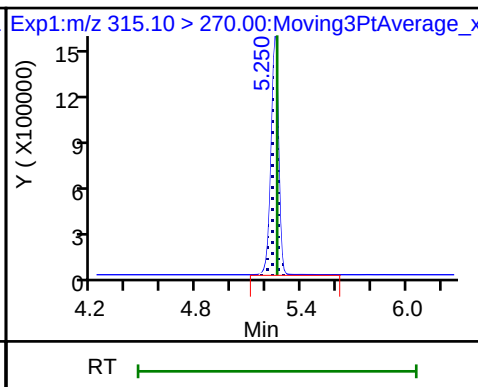
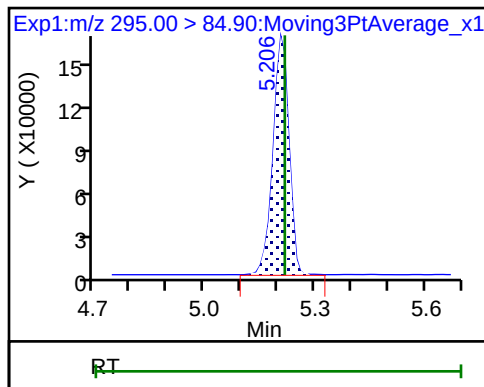
14 NFDHA



14 NFDHA

* 16 13C2 PFHxA

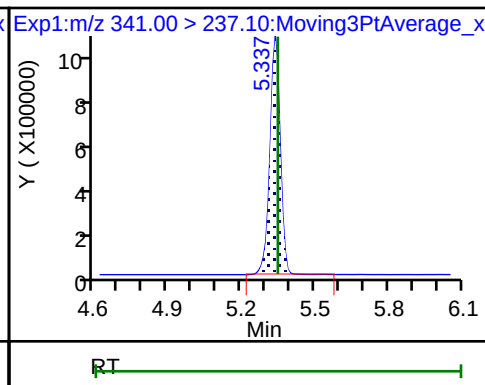
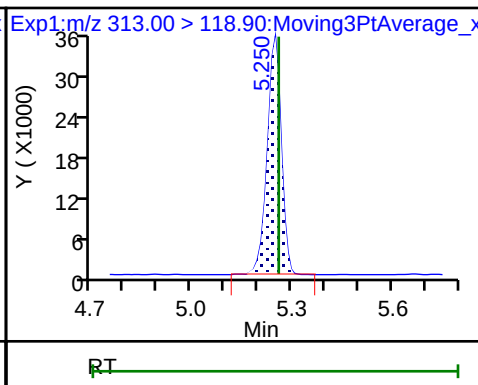
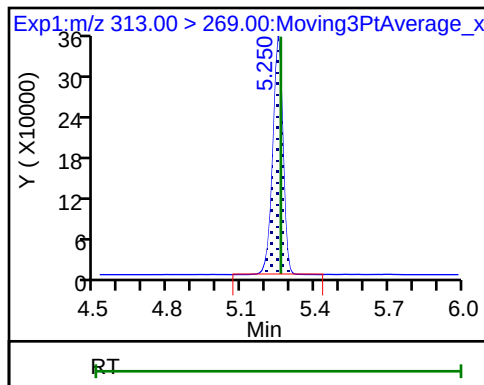
D 15 13C5 PFHxA



17 PFHxA

17 PFHxA

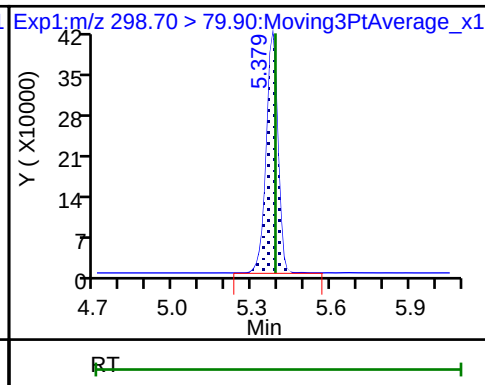
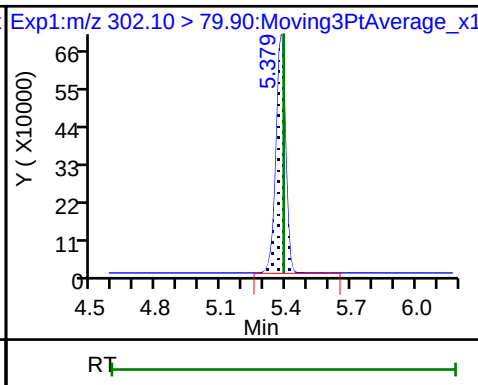
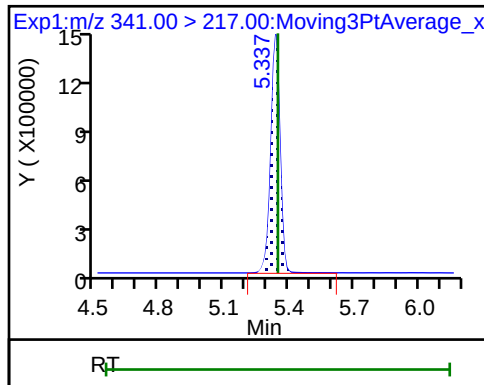
18 5:3 FTCA

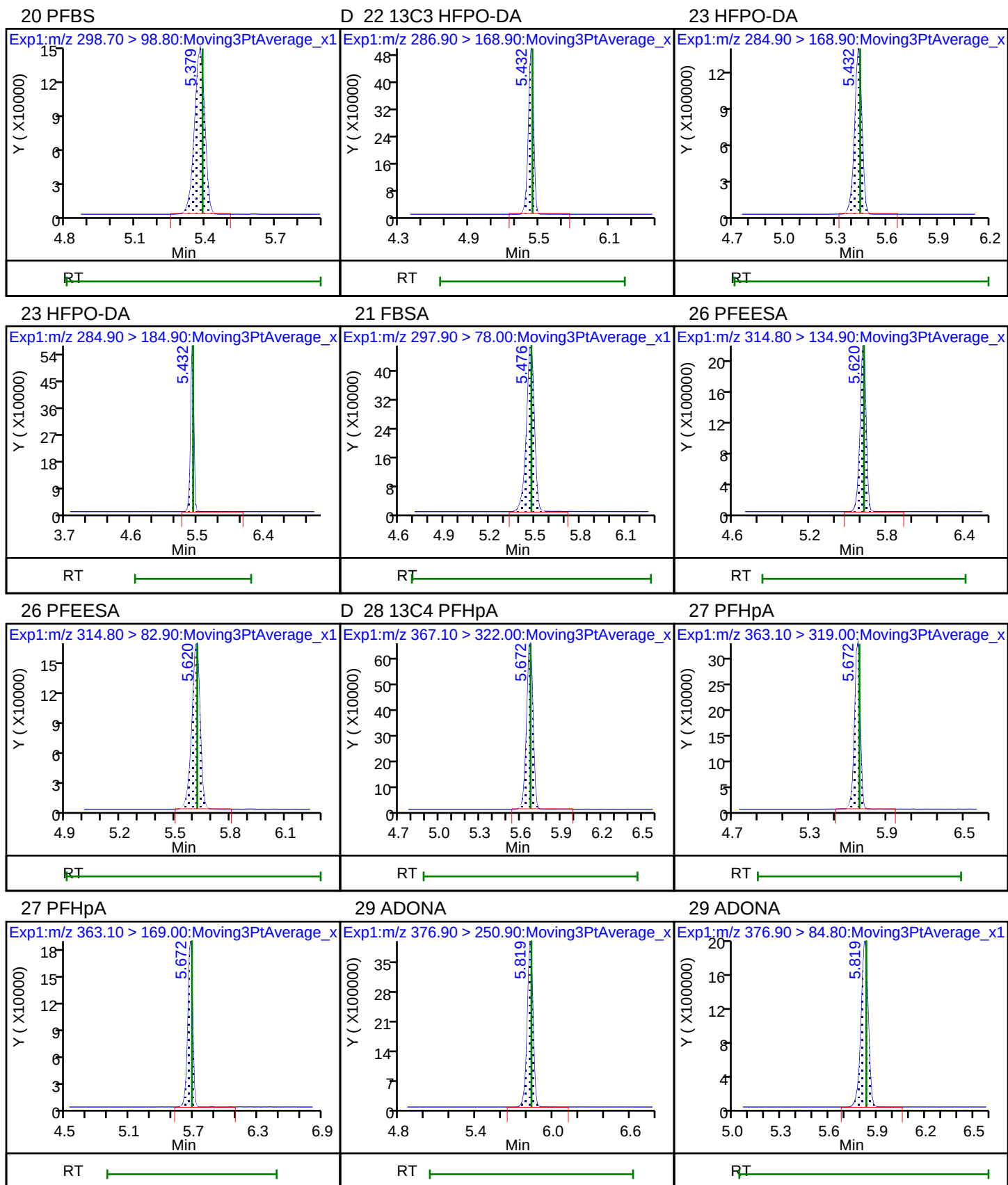


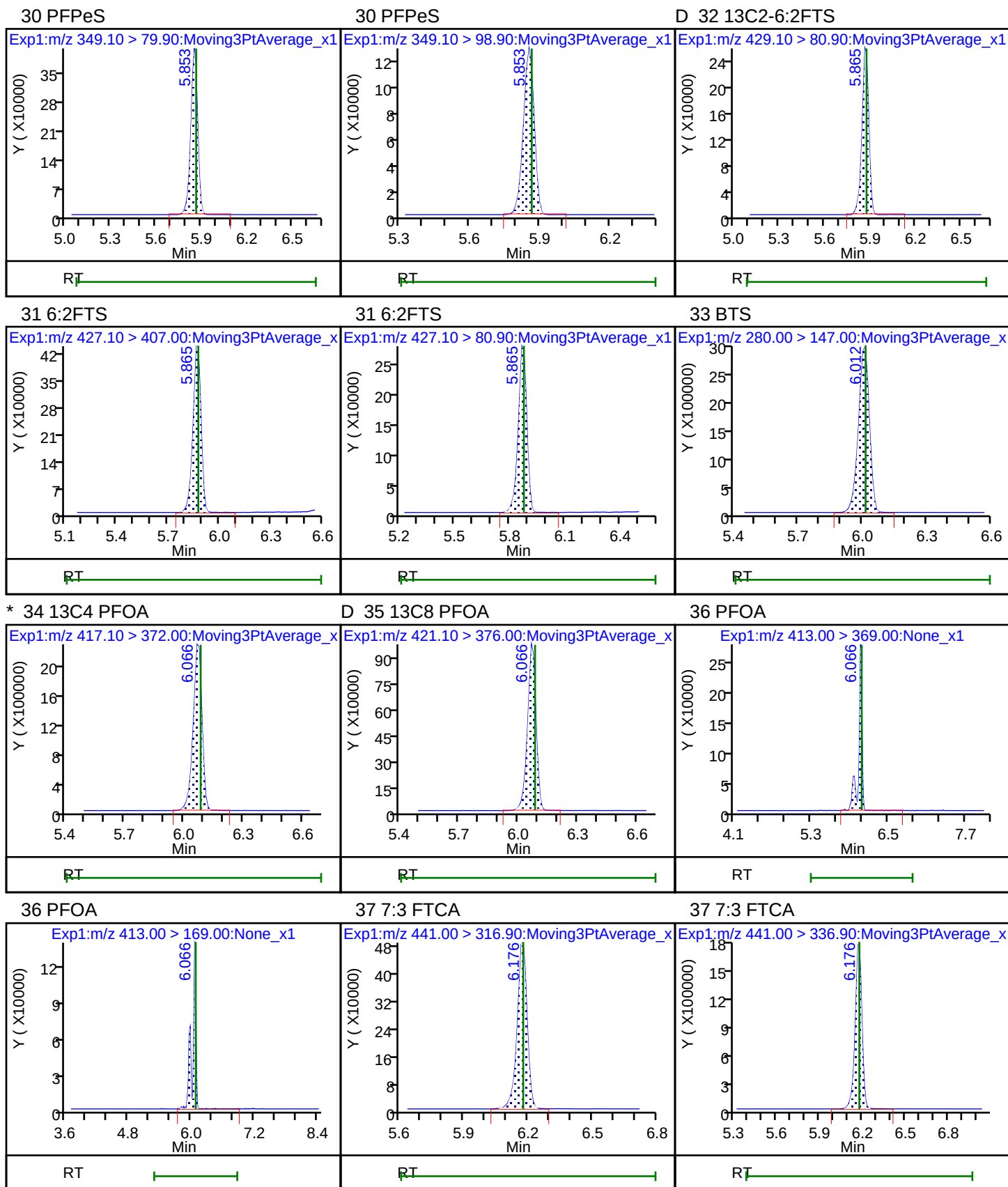
18 5:3 FTCA

D 19 13C3 PFBS

20 PFBS



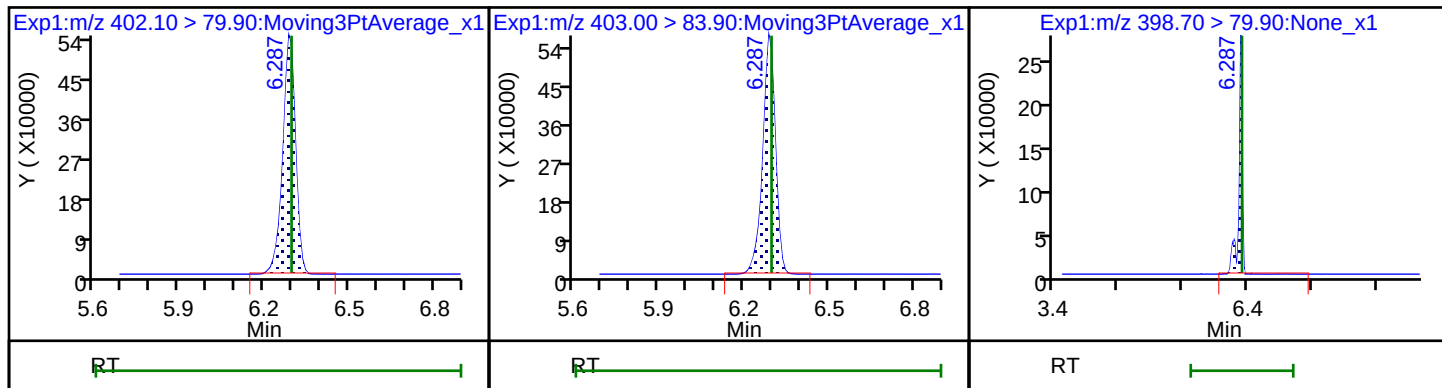




D 38 13C3 PFHxS

* 39 18O2 PFHxS

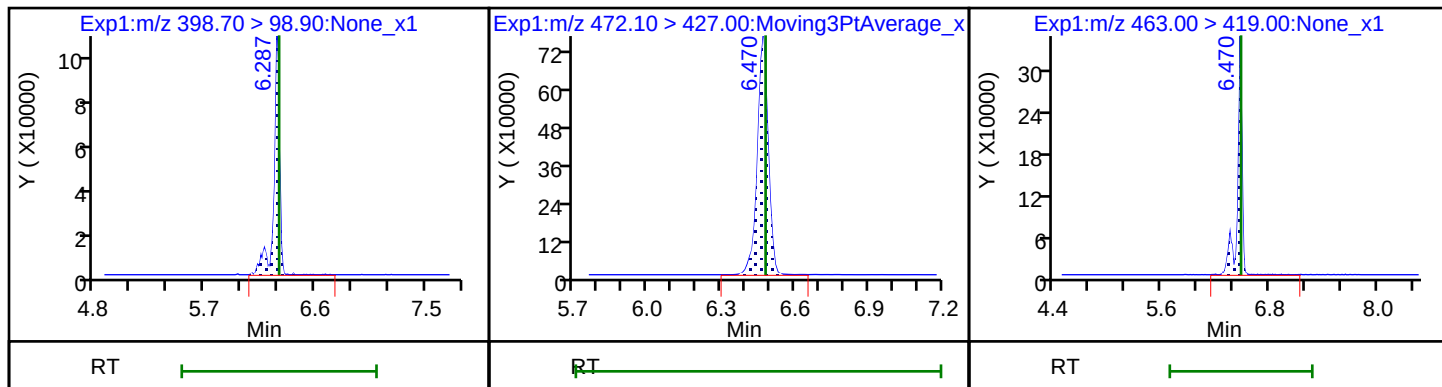
40 PFHxS



40 PFHxS

D 41 13C9 PFNA

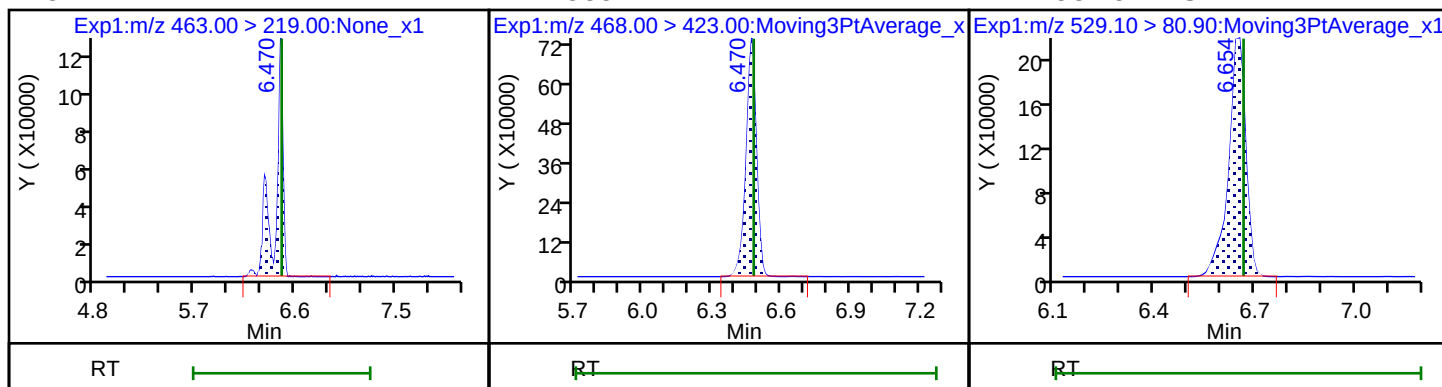
43 PFNA



43 PFNA

* 42 13C5 PFNA

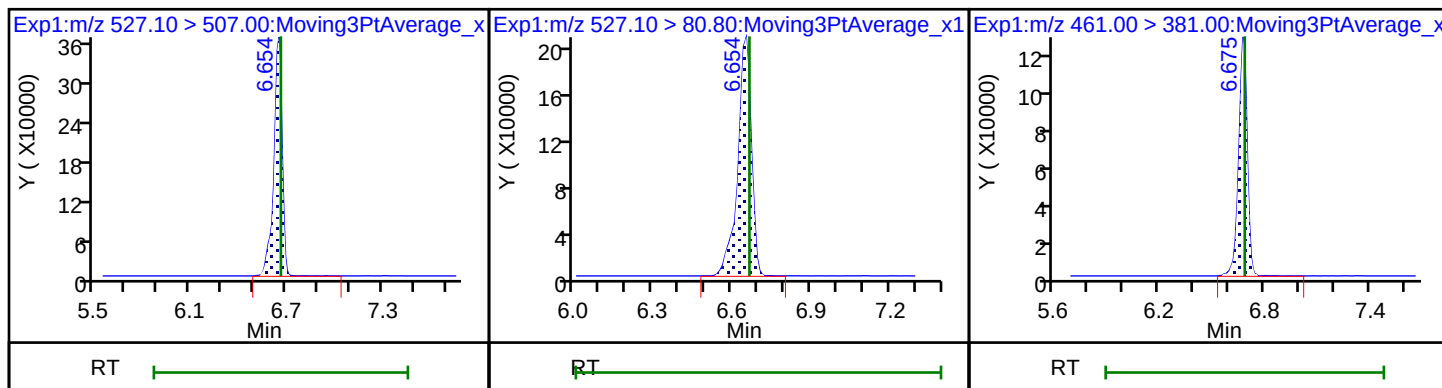
D 44 13C2-8:2FTS



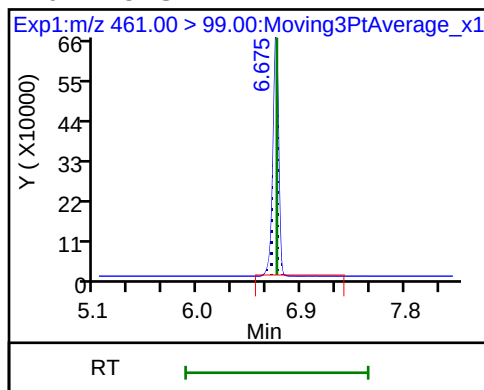
45 8:2FTS

45 8:2FTS

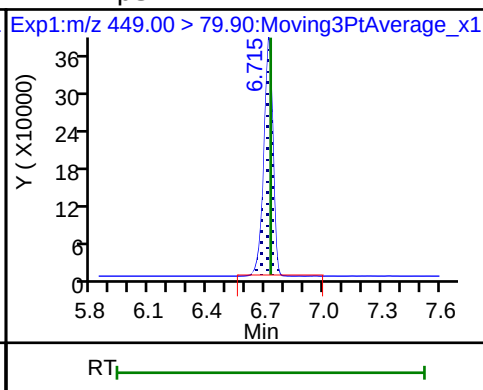
46 PFECHS



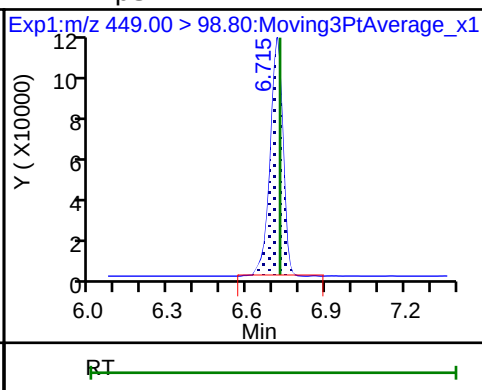
46 PFECHS



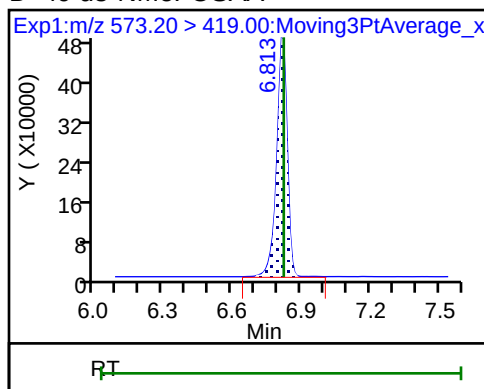
47 PFHpS



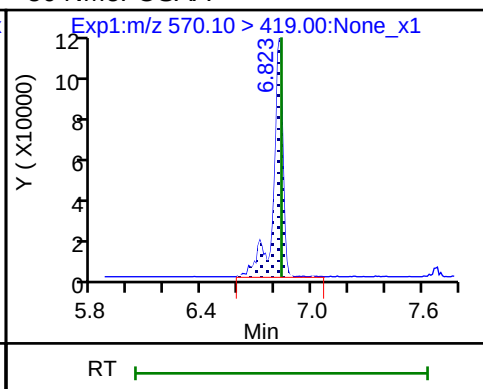
47 PFHpS



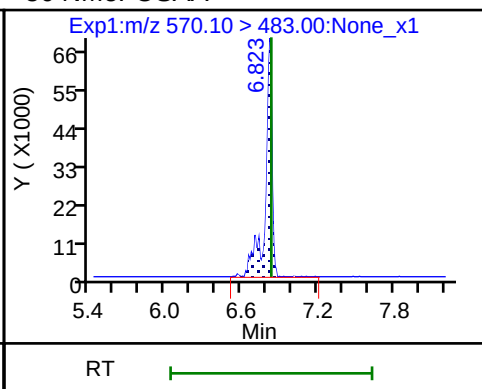
D 49 d3-NMeFOSAA



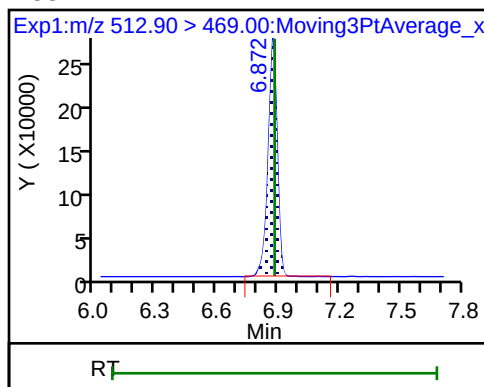
50 NMeFOSAA



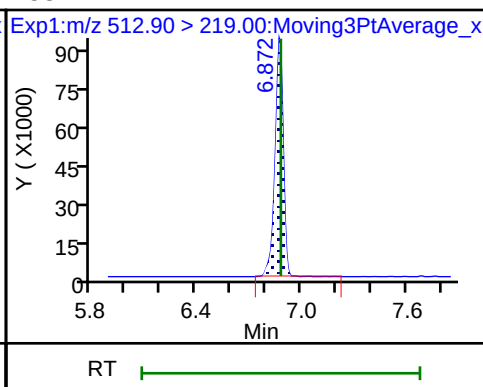
50 NMeFOSAA



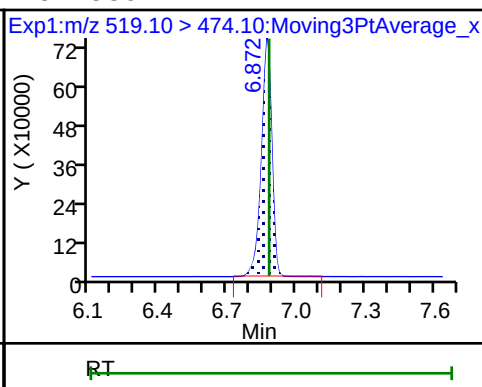
53 PFDA



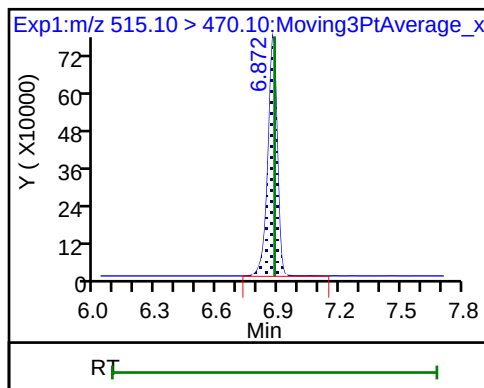
53 PFDA



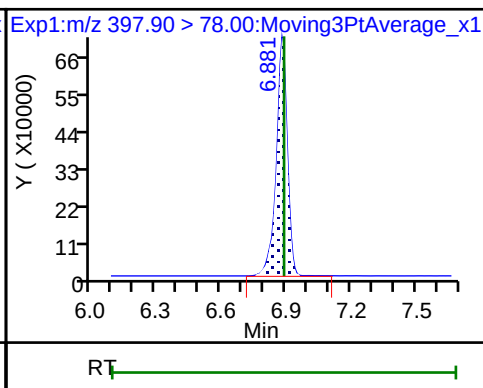
D 52 13C6 PFDA



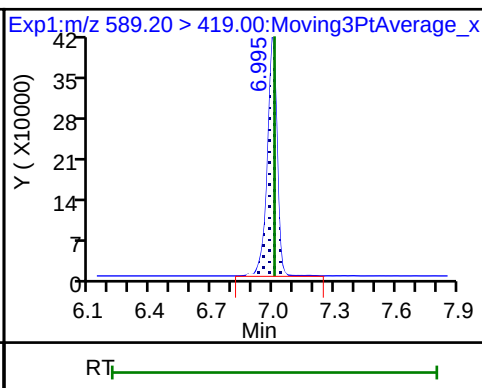
* 51 13C2 PFDA

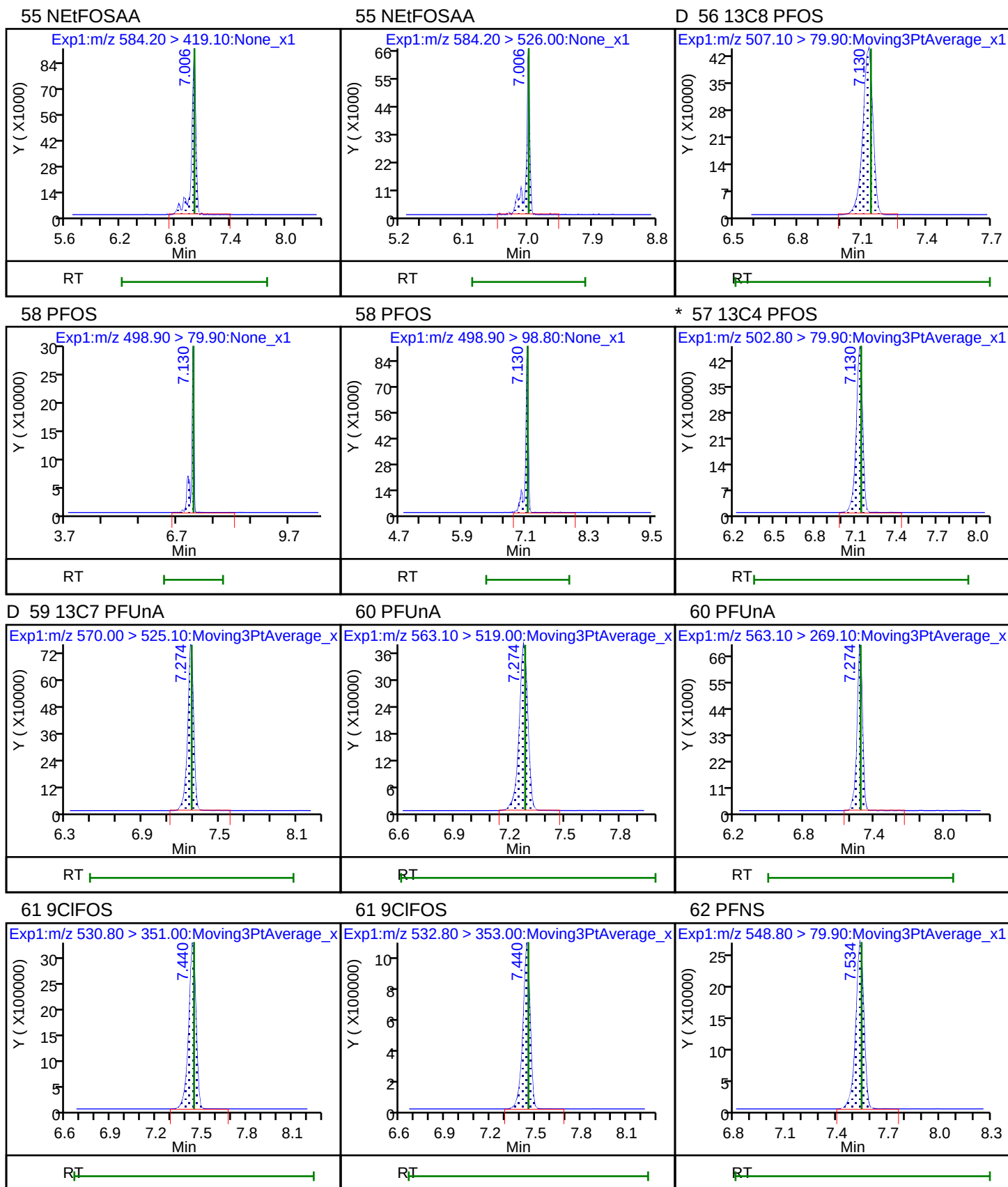


48 FHxSA

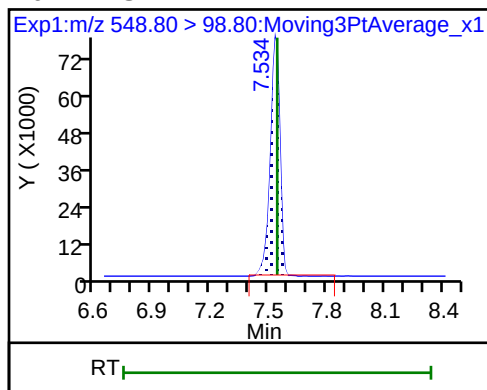


D 54 d5-NEtFOSAA

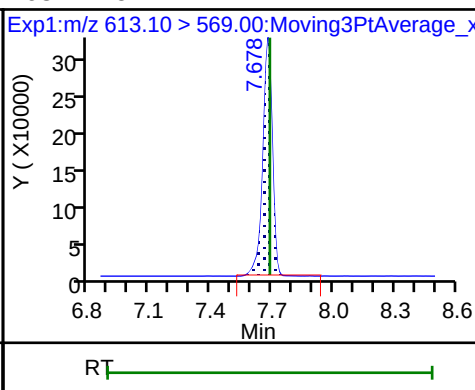




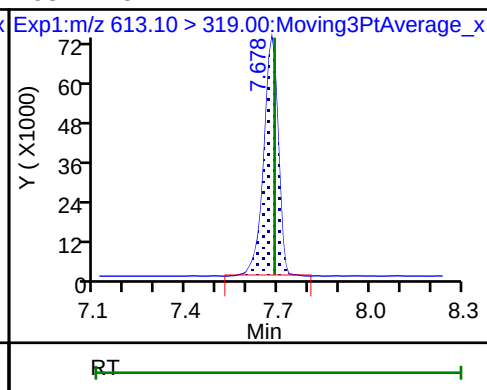
62 PFNS



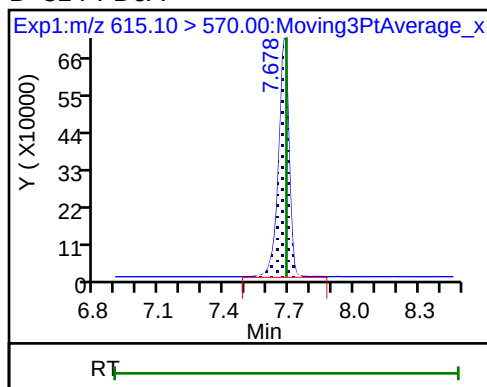
63 PFDaA



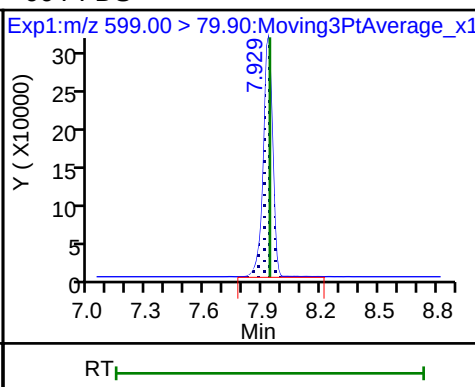
63 PFDaA



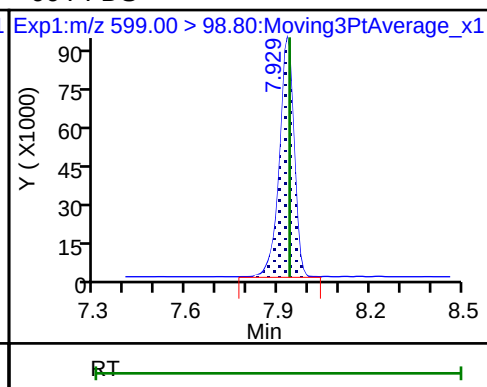
D 81 PFDaA



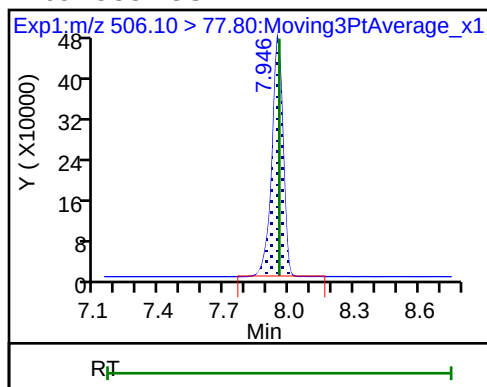
66 PFDS



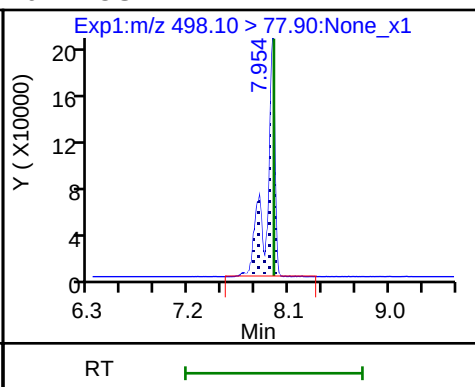
66 PFDS



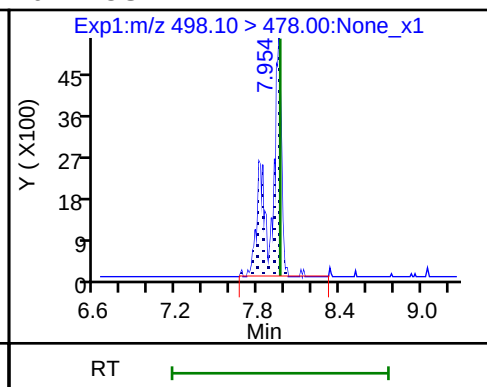
D 65 13C8 FOSA



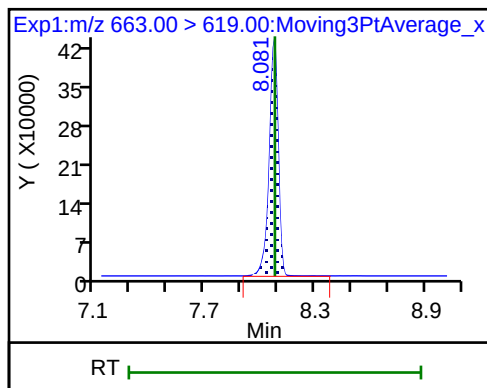
64 PFOSA



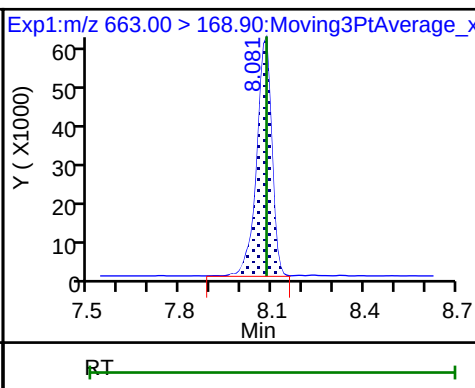
64 PFOSA



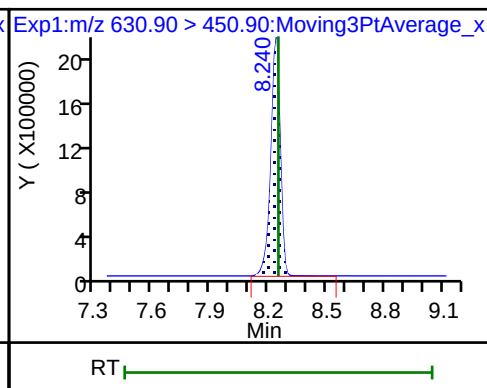
67 PFTTrDA

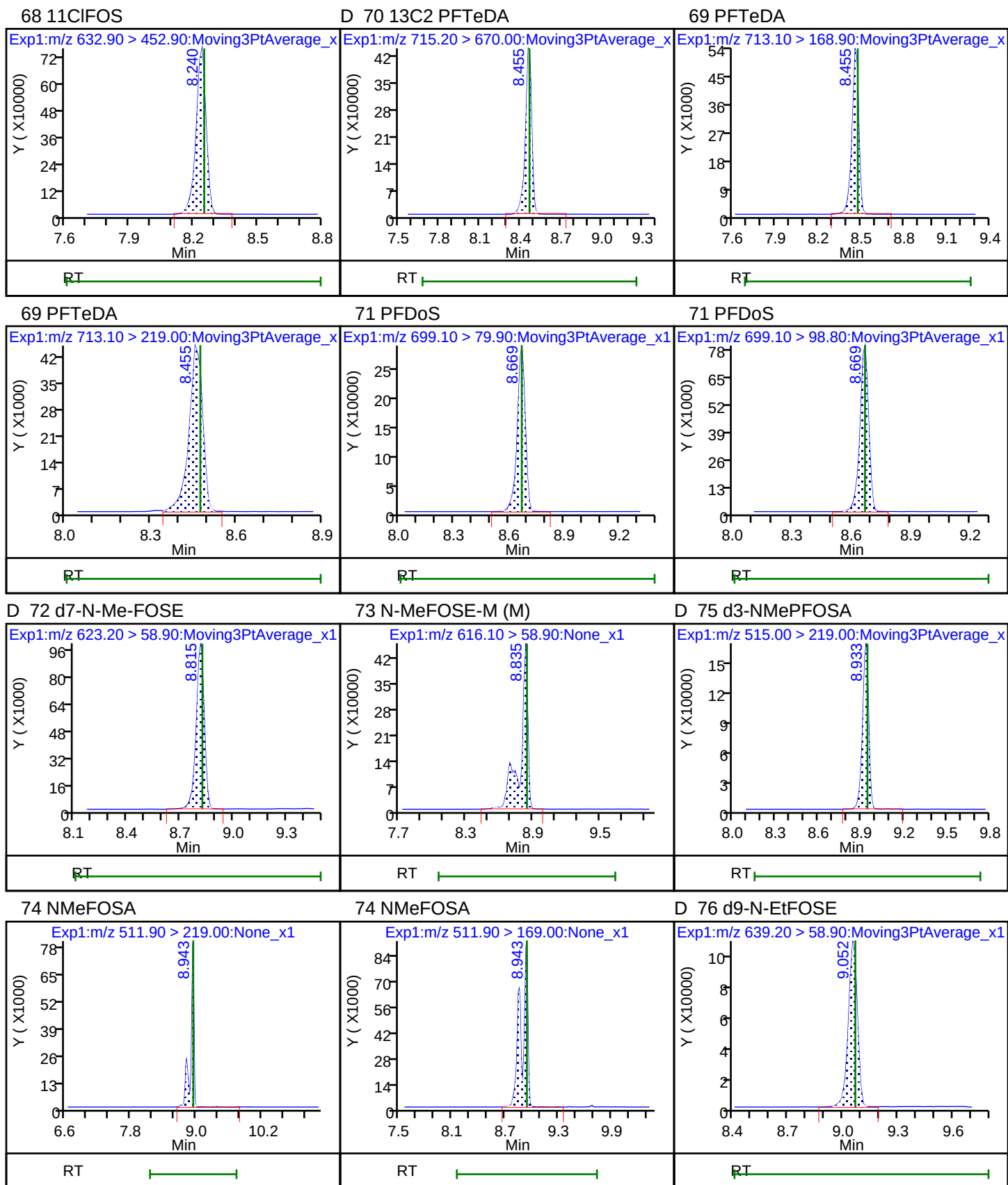


67 PFTTrDA



68 11CIFOS

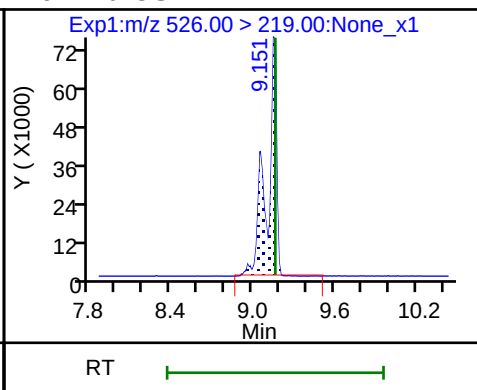
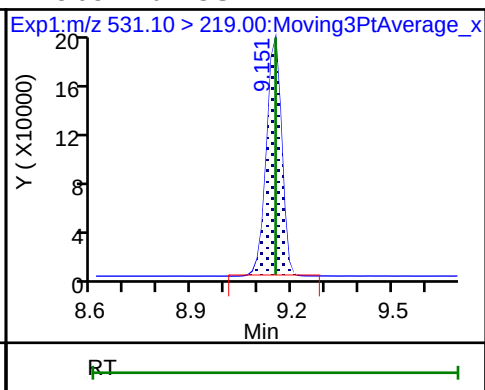
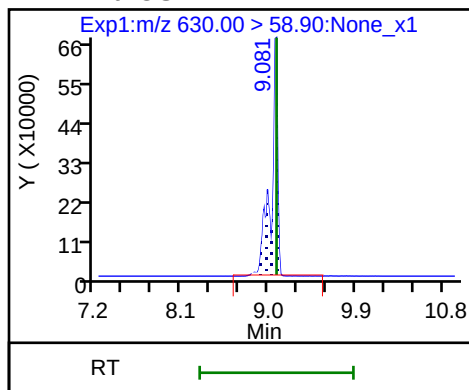




77 N-EtFOSE-M

D 78 d5-NEtPFOSA

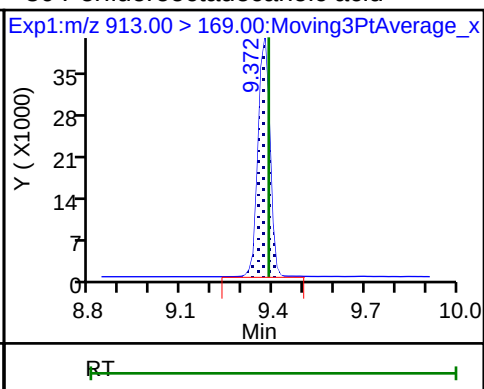
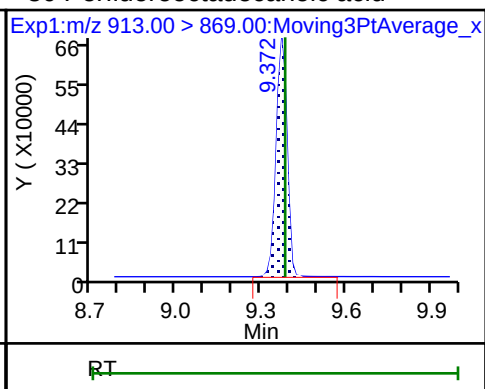
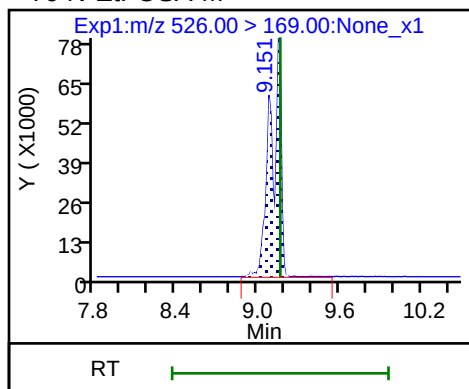
79 N-EtFOSA-M



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.: 410-254628-1

SDG No.:

Lab Sample ID: CCVO 410-739075/1

Calibration Date: 12/04/2025 15:59

Instrument ID: 30577

Calib Start Date: 12/03/2025 15:58

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 12/03/2025 17:33

Lab File ID: 25DEC04-01.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoropropionic acid (PFPrA)	AveID	0.9562	1.001		0.262	0.250	5.0	30.0
Perfluorobutanoic acid (PFBA)	AveID	0.9278	1.000		0.108	0.100	8.0	30.0
Perfluoro-3-methoxypropanoic acid (PFMPA)	AveID	1.585	1.548		0.0489	0.0500	-2.0	30.0
3:3 FTCA	AveID	0.0732	0.0700		0.0957	0.100	-4.0	30.0
Perfluoropentanoic acid (PFPeA)	AveID	2.021	2.151		0.0532	0.0500	6.0	30.0
Perfluoro-4-methoxybutanoic acid (PFMBA)	AveID	2.070	2.097		0.0507	0.0500	1.0	30.0
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	AveID	1.849	1.892		0.0960	0.0938	2.0	30.0
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	AveID	0.2931	0.3529		0.0602	0.0500	20.0	30.0
Perfluorohexanoic acid (PFHxA)	AveID	0.8305	0.9378		0.0565	0.0500	13.0	30.0
5:3 FTCA	AveID	0.1021	0.0902		0.221	0.250	-12.0	30.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.034	1.151		0.0494	0.0444	11.0	30.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.036	1.225		0.0444	0.0375	18.0	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	0.7082	0.6206		0.0438	0.0500	-12.0	30.0
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	AveID	2.969	3.017		0.0453	0.0446	2.0	30.0
Perfluoroheptanoic acid (PFHpA)	AveID	0.7451	0.6811		0.0457	0.0500	-9.0	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	3.341	3.319		0.0470	0.0473	-1.0	30.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.176	1.365		0.0546	0.0470	16.0	30.0
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	AveID	1.818	1.841		0.0964	0.0952	1.0	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	2.720	3.045		0.0548	0.0490	12.0	30.0
Perfluorooctanoic acid (PFOA)	AveID	0.5754	0.6974		0.0606	0.0500	21.0	30.0
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	AveID	0.0511	0.0496		0.243	0.250	-3.0	30.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.004	1.206		0.0548	0.0456	20.0	30.0
Perfluorononanoic acid (PFNA)	AveID	0.8128	1.038		0.0639	0.0500	28.0	30.0
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	AveID	1.714	1.885		0.106	0.0960	10.0	30.0
Perfluoro-4-ethylcyclohexane sulfonic acid (PFECBS)	AveID	0.2420	0.2365		0.0452	0.0462	-2.0	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.346	1.382		0.0490	0.0477	3.0	30.0
NMeFOSAA	AveID	1.024	1.159		0.0566	0.0500	13.0	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	1.244	1.209		0.0486	0.0500	-3.0	30.0
Perfluorodecanoic acid (PFDA)	AveID	0.6022	0.5677		0.0471	0.0500	-6.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Lab Sample ID: CCVO 410-739075/1

Calibration Date: 12/04/2025 15:59

Instrument ID: 30577

Calib Start Date: 12/03/2025 15:58

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 12/03/2025 17:33

Lab File ID: 25DEC04-01.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-ethylperfluorooctanesulfonamidoacetic acid (NETFOSAA)	AveID	0.8386	1.003		0.0598	0.0500	20.0	30.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.503	1.832		0.0567	0.0465	22.0	30.0
Perfluoroundecanoic acid (PFUnA)	AveID	0.7939	0.8538		0.0538	0.0500	8.0	30.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	AveID	2.967	3.255		0.0512	0.0467	10.0	30.0
Perfluorononanesulfonic acid (PFNS)	AveID	1.017	1.042		0.0493	0.0481	2.0	30.0
Perfluorododecanoic acid (PFDoA)	AveID	0.7349	0.7280		0.0495	0.0500	-1.0	30.0
Perfluorodecanesulfonic acid (PFDS)	AveID	1.195	1.204		0.0486	0.0482	1.0	30.0
Perfluorooctanesulfonamide	AveID	0.9572	1.078		0.0563	0.0500	13.0	30.0
Perfluorotridecanoic acid (PFTrDA)	AveID	1.361	1.466		0.0539	0.0500	8.0	30.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	AveID	1.971	2.006		0.0480	0.0472	2.0	30.0
Perfluorotetradecanoic acid (PFTeDA)	AveID	0.1886	0.1699		0.0450	0.0500	-10.0	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	1.000	0.9514		0.0461	0.0485	-5.0	30.0
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	AveID	2.741	2.987		0.272	0.250	9.0	30.0
N-methylperfluorooctane sulfonamide (NMeFOSA)	AveID	0.9942	0.9756		0.0491	0.0500	-2.0	30.0
N-ethylperfluorooctane sulfonamidoethanol (NETFOSE)	AveID	3.355	3.584		0.267	0.250	7.0	30.0
N-ethylperfluorooctane sulfonamide (NETFOSA)	AveID	0.9150	0.9576		0.0523	0.0500	5.0	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	1.084	0.8741		0.0403	0.0500	-19.0	30.0
13C3 PFPrA	Ave	0.6919	0.6772		1.96	2.00	-2.0	30.0
13C4 PFBA	Ave	1.050	1.014		1.93	2.00	-3.0	30.0
13C5 PFPeA	Ave	0.5406	0.5399		2.00	2.00	0.0	30.0
M2-4:2 FTS	Ave	0.2277	0.2029		4.18	4.69	-11.0	30.0
13C5 PFHxA	Ave	1.129	1.095		1.94	2.00	-3.0	30.0
13C3 PFBS	Ave	1.231	1.163		1.76	1.86	-5.0	30.0
13C3 HFPO-DA	Ave	0.8605	0.8121		1.89	2.00	-6.0	30.0
13C4 PFHpA	Ave	1.186	1.166		1.96	2.00	-2.0	30.0
M2-6:2 FTS	Ave	0.1978	0.1799		4.33	4.76	-9.0	30.0
13C8 PFOA	Ave	1.027	1.004		1.96	2.00	-2.0	30.0
13C3 PFHxS	Ave	1.002	0.9448		1.79	1.90	-6.0	30.0
13C9 PFNA	Ave	0.9792	0.9352		1.91	2.00	-4.0	30.0
13C2 8:2 FTS	Ave	0.1849	0.1583		4.11	4.80	-14.0	30.0
d3-NMeFOSAA	Ave	0.4179	0.3936		4.71	5.00	-6.0	30.0
13C6 PFDA	Ave	1.020	0.9737		1.91	2.00	-5.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-254628-1
Environment Testing, LLC

SDG No.: _____

Lab Sample ID: CCVO 410-739075/1 Calibration Date: 12/04/2025 15:59
Instrument ID: 30577 Calib Start Date: 12/03/2025 15:58
GC Column: Gemini C18 50mm ID: 3.00 (mm) Calib End Date: 12/03/2025 17:33
Lab File ID: 25DEC04-01.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d5-NEtFOSAA	Ave	0.3695	0.3347		4.53	5.00	-9.0	30.0
13C8 PFOS	Ave	1.004	0.9721		1.86	1.92	-3.0	30.0
13C7 PFUnA	Ave	1.114	0.9874		1.77	2.00	-11.0	30.0
13C2 PFDoA	Ave	1.021	0.9490		1.86	2.00	-7.0	30.0
13C8 FOSA	Ave	1.174	1.066		1.82	2.00	-9.0	30.0
13C2 PFTeDA	Ave	0.6354	0.5791		1.82	2.00	-9.0	30.0
d7-N-MeFOSE-M	Ave	0.0854	0.0748		4.38	5.00	-12.0	30.0
d3-NMePFOSA	Ave	0.3381	0.3167		1.87	2.00	-6.0	30.0
d9-N-EtFOSE-M	Ave	0.1017	0.0887		4.36	5.00	-13.0	30.0
d5-NEtPFOSA	Ave	0.4089	0.3707		1.81	2.00	-9.0	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30577\20251204-168875.b\25DEC04-01.d
 Lims ID: CCVO 1_CAL1
 Client ID:
 Sample Type: CCVO
 Inject. Date: 04-Dec-2025 15:59:03 ALS Bottle#: 2 Worklist Smp#: 1
 Injection Vol: 7.0 ul Dil. Factor: 1.0000
 Sample Info: CCVO 1_CAL1
 Misc. Info.: Plate: 1 Rack: 1 410-0168875-001
 Operator ID: ETUS023_USR_INS00009 Instrument ID: 30577
 Sublist: chrom-30577-1633-125*sub7
 Method: \\chromfs\Lancaster\ChromData\30577\20251204-168875.b\30577-1633-125.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 04-Dec-2025 20:20:36 Calib Date: 03-Dec-2025 17:33:28
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\25DEC03CAL-08.d

Column 1 : Det: EXP1
 Process Host: CTX1607

First Level Reviewer: XBL5 Date: 04-Dec-2025 20:12:28

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	2.039	2.039	0.0	0.493	1154819	1.96		97.9	2380	
2 Perfluoropropionic acid										
163.00 > 119.00	2.056	2.056	0.0	1.008	144472	0.2617		105	468	
3 PFBA										
212.80 > 168.90	4.132	4.132	0.0	1.000	86474	0.1078		108	505	
D 4 13C4-PFBA										
216.80 > 171.90	4.132	4.132	0.0	0.998	1728656	1.93		96.6	3763	
* 5 13C3PFBA										
216.00 > 172.00	4.138	4.138	0.0		1705355	2.00			4069	
6 PFMPA										
229.00 > 84.90	4.475	4.475	0.0	0.929	40727	0.0489		97.7	454	
7 3:3 FTCA										
241.00 > 177.00	4.499	4.499	0.0	0.934	3684	0.0957	Target=1.11	95.7	91.6	Ma
241.00 > 117.00	4.499	4.499	0.0	0.934	3316		1.11(0.56-1.67)		26.4	a M
9 PFPA										
263.00 > 219.00	4.817	4.817	0.0	1.000	56584	0.0532		106	52.7	
D 8 13C5 PFPeA										
268.30 > 223.00	4.817	4.817	0.0	0.914	1052208	2.00		99.9	3774	
10 PFMBBA										
279.00 > 85.10	4.963	4.963	0.0	1.030	55162	0.0507		101	466	
12 4:2FTS										
327.10 > 307.00	5.085	5.085	0.0	1.000	35893	0.0960	Target=1.70	102	279	
327.10 > 80.90	5.085	5.085	0.0	1.000	23101		1.55(0.85-2.55)		35.0	
D 11 13C2-4:2FTS										
329.10 > 80.90	5.085	5.085	0.0	0.805	948651	4.18		89.1	5428	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.229	5.229	0.0	0.992	18829	0.0602	Target=1.56	120	157	
295.00 > 84.90	5.229	5.229	0.0	0.992	12927		1.46(0.78-2.34)		116	
D 15 13C5 PFHxA										
318.00 > 273.00	5.270	5.270	0.0	1.000	2134229	1.94		97.0	6698	
* 16 13C2 PFHxA										
315.10 > 270.00	5.270	5.270	0.0		4871870	5.00			7392	
17 PFHxA										
313.00 > 269.00	5.270	5.270	0.0	1.000	50036	0.0565	Target=10.34	113	153	
313.00 > 118.90	5.270	5.270	0.0	1.000	5202		9.62(5.17-15.52)		42.4	
18 5:3 FTCA										
341.00 > 237.10	5.358	5.358	0.0	1.017	24071	0.2209	Target=0.69	88.4	86.0	
341.00 > 217.00	5.358	5.358	0.0	1.017	37124		0.65(0.35-1.04)		34.8	
D 19 13C3 PFBS										
302.10 > 79.90	5.400	5.400	0.0	0.855	2162150	1.76		94.5	8451	
20 PFBS										
298.70 > 79.90	5.400	5.400	0.0	1.000	59273	0.0494	Target=2.94	111	236	
298.70 > 98.80	5.400	5.400	0.0	1.000	21350		2.78(1.47-4.41)		200	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.454	5.454	0.0	1.035	1582615	1.89		94.4	6557	
23 HFPO-DA										
284.90 > 168.90	5.454	5.454	0.0	1.000	36359	0.0444	Target=2.33	118	333	
284.90 > 184.90	5.454	5.454	0.0	1.000	13504		2.69(1.16-3.49)		92.9	
21 FBSA										
297.90 > 78.00	5.487	5.487	0.0	1.016	35992	0.0438		87.6	247	
26 PFEESA										
314.80 > 134.90	5.640	5.640	0.0	1.070	143577	0.0453	Target=13.08	102	731	
314.80 > 82.90	5.640	5.640	0.0	1.070	11999		11.97(6.54-19.62)		44.8	
D 28 13C4 PFHpA										
367.10 > 322.00	5.684	5.684	0.0	1.079	2271276	1.96		98.2	5710	
27 PFHpA										
363.10 > 319.00	5.684	5.684	0.0	1.000	38676	0.0457	Target=1.78	91.4	129	
363.10 > 169.00	5.696	5.684	0.012	1.002	25585		1.51(0.89-2.67)		110	
29 ADONA										
376.90 > 250.90	5.842	5.842	0.0	1.071	124229	0.0470	Target=2.07	99.3	653	
376.90 > 84.80	5.842	5.842	0.0	1.071	59501		2.09(1.04-3.11)		323	
30 PFPeS										
349.10 > 79.90	5.876	5.876	0.0	0.932	60443	0.0546	Target=3.11	116	190	
349.10 > 98.90	5.865	5.876	-0.011	0.930	17865		3.38(1.56-4.67)		74.7	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.887	5.887	0.0	0.932	853911	4.33		91.0	2371	
31 6:2FTS										
427.10 > 407.00	5.887	5.887	0.0	1.000	31438	0.0964	Target=1.69	101	8.4	
427.10 > 80.90	5.887	5.887	0.0	1.000	19777		1.59(0.85-2.54)		9.8	
33 BTS										
280.00 > 147.00	6.024	6.024	0.0	0.955	140426	0.0548		112	575	
* 34 13C4 PFOA										
417.10 > 372.00	6.093	6.093	0.0		7618835	5.00			5963	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 35 13C8 PFOA										
421.10 > 376.00	6.093	6.093	0.0	1.000	3058990	1.96		97.8	4039	
36 PFOA										
413.00 > 369.00	6.093	6.093	0.0	1.000	53331	0.0606	Target=1.59	121	68.4	
413.00 > 169.00	6.084	6.093	-0.009	0.999	29637		1.80(0.80-2.39)		35.2	
37 7:3 FTCA										
441.00 > 316.90	6.204	6.204	0.0	1.177	13238	0.2430	Target=0.30	97.2	79.3	
441.00 > 336.90	6.195	6.204	-0.009	1.176	48826		0.27(0.15-0.45)		179	
D 38 13C3 PFHxS										
402.10 > 79.90	6.306	6.306	0.0	0.998	1786010	1.79		94.3	5697	
40 PFHxS										
398.70 > 79.90	6.315	6.315	0.0	1.002	51799	0.0548	Target=3.25	120	62.3	
398.70 > 98.90	6.315	6.315	0.0	1.002	17259		3.00(1.63-4.88)		41.0	
* 39 18O2 PFHxS										
403.00 > 83.90	6.315	6.315	0.0		1890284	1.90			4987	
* 42 13C5 PFNA										
468.00 > 423.00	6.488	6.488	0.0		2636348	2.00			6505	
D 41 13C9 PFNA										
472.10 > 427.00	6.488	6.488	0.0	1.000	2465518	1.91		95.5	4279	
43 PFNA										
463.00 > 419.00	6.499	6.499	0.0	1.002	63992	0.0639	Target=1.99	128	67.6	
463.00 > 219.00	6.488	6.499	-0.011	1.000	27602		2.32(1.00-2.99)		32.8	
D 44 13C2-8:2FTS										
529.10 > 80.90	6.676	6.676	0.0	1.057	757497	4.11		85.6	2396	
45 8:2FTS										
527.10 > 507.00	6.676	6.676	0.0	1.000	28554	0.1055	Target=1.75	110	118	
527.10 > 80.80	6.676	6.676	0.0	1.000	16947		1.68(0.88-2.63)		70.1	
46 PFECHS										
461.00 > 381.00	6.705	6.705	0.0	1.063	10292	0.0452	Target=0.21	97.7	2757	
461.00 > 99.00	6.696	6.705	-0.009	1.062	55694		0.18(0.10-0.31)		296	
47 PFHpS										
449.00 > 79.90	6.735	6.735	0.0	0.942	52209	0.0490	Target=3.35	103	206	
449.00 > 98.80	6.735	6.735	0.0	0.942	15652		3.34(1.68-5.03)		87.4	
D 49 d3-NMeFOSAA										
573.20 > 419.00	6.843	6.843	0.0	0.957	1603396	4.71		94.2	2985	
50 NMeFOSAA										
570.10 > 419.00	6.843	6.843	0.0	1.000	18579	0.0566	Target=1.72	113	4.2	
570.10 > 483.00	6.843	6.843	0.0	1.000	14829		1.25(0.86-2.58)		37.1	
48 FHxSA										
397.90 > 78.00	6.890	6.890	0.0	1.093	56937	0.0486		97.2	428	
D 52 13C6 PFDA										
519.10 > 474.10	6.899	6.899	0.0	1.000	2552041	1.91		95.4	5725	
* 51 13C2 PFDA										
515.10 > 470.10	6.899	6.899	0.0		2621041	2.00			5958	
53 PFDA										
512.90 > 469.00	6.899	6.899	0.0	1.000	36217	0.0471	Target=2.79	94.3	125	
512.90 > 219.00	6.899	6.899	0.0	1.000	14717		2.46(1.39-4.18)		50.1	

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	7.016	7.016	0.0	0.981	1363175	4.53		90.6	3874	
55 NEtFOSAA										M
584.20 > 419.10	7.025	7.025	0.0	1.001	13672	0.0598	Target=1.36	120	21.1	M
584.20 > 526.00	7.025	7.025	0.0	1.001	8711		1.57(0.68-2.04)		20.9	
D 56 13C8 PFOS										
507.10 > 79.90	7.148	7.148	0.0	1.000	1517301	1.86		96.8	2258	
58 PFOS										
498.90 > 79.90	7.148	7.148	0.0	1.000	67476	0.0567	Target=4.13	122	105	
498.90 > 98.80	7.139	7.148	-0.009	0.999	16404		4.11(2.07-6.20)		38.0	
* 57 13C4 PFOS										
502.80 > 79.90	7.148	7.148	0.0		1560848	1.92			7505	
D 59 13C7 PFUnA										
570.00 > 525.10	7.301	7.301	0.0	1.058	2588001	1.77		88.6	7122	
60 PFUnA										
563.10 > 519.00	7.301	7.301	0.0	1.000	55240	0.0538	Target=6.23	108	214	
563.10 > 269.10	7.292	7.301	-0.009	0.999	8446		6.54(3.12-9.35)		55.3	
61 9CIFOS										
530.80 > 351.00	7.462	7.462	0.0	1.044	120380	0.0512	Target=3.01	110	1118	
532.80 > 353.00	7.462	7.462	0.0	1.044	34700		3.47(1.50-4.51)		207	
62 PFNS										
548.80 > 79.90	7.554	7.554	0.0	1.057	39699	0.0493	Target=3.21	102	262	
548.80 > 98.80	7.554	7.554	0.0	1.057	11571		3.43(1.61-4.82)		3839	
63 PFDoA										
613.10 > 569.00	7.697	7.697	0.0		45269	0.0495	Target=4.51	99.1	266	
613.10 > 319.00	7.697	7.697	0.0		10993		4.12(2.25-6.76)		60.6	
D 81 PFDoA										
615.10 > 570.00	7.697	7.697	0.0	1.116	2487248	1.86		93.0	3613	
66 PFDS										
599.00 > 79.90	7.946	7.946	0.0	1.112	45954	0.0486	Target=3.42	101	359	
599.00 > 98.80	7.955	7.946	0.009	1.113	14438		3.18(1.71-5.12)		153	
64 PFOSA										
498.10 > 77.90	7.955	7.955	0.0	0.999	46803	0.0563	Target=43.61	113	120	
498.10 > 478.00	7.982	7.955	0.027	1.002	1068		43.82(21.80-65.41)		6.3	
D 65 13C8 FOSA										
506.10 > 77.80	7.964	7.964	0.0	1.114	1736406	1.82		90.8	8684	
67 PFTTrDA										
663.00 > 619.00	8.099	8.099	0.0	0.956	73414	0.0539	Target=7.60	108	291	
663.00 > 168.90	8.090	8.099	-0.009	0.955	11008		6.67(3.80-11.40)		103	
68 11CIFOS										
630.90 > 450.90	8.250	8.250	0.0	1.154	74994	0.0480	Target=3.18	102	617	
632.90 > 452.90	8.250	8.250	0.0	1.154	24354		3.08(1.59-4.76)		298	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.474	8.474	0.0	1.228	1517958	1.82		91.2	3191	
69 PFTeDA										
713.10 > 168.90	8.483	8.483	0.0	1.001	6447	0.0450	Target=1.14	90.1	56.7	
713.10 > 219.00	8.474	8.483	-0.009	1.000	6509		0.99(0.57-1.70)		38.9	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
71 PFDoS										
699.10 > 79.90	8.677	8.677	0.0	1.214	36542	0.0461	Target=3.63	95.1	209	
699.10 > 98.80	8.677	8.677	0.0	1.214	10660		3.43(1.81-5.44)		190	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.833	8.833	0.0	1.236	304759	4.38		87.6	560	
73 N-MeFOSE-M										
616.10 > 58.90	8.843	8.843	0.0	1.001	45520	0.2725		109	55.1	
D 75 d3-NMePFOSA										
515.00 > 219.00	8.941	8.941	0.0	1.251	515968	1.87		93.7	4057	
74 NMeFOSA										
511.90 > 219.00	8.950	8.950	0.0	1.001	12585	0.0491	Target=0.68	98.1	74.0	
511.90 > 169.00	8.950	8.950	0.0	1.001	19122		0.66(0.34-1.02)		44.3	
D 76 d9-N-EtFOSE										
639.20 > 58.90	9.065	9.065	0.0	1.268	361273	4.36		87.2	705	
77 N-EtFOSE-M										
630.00 > 58.90	9.079	9.079	0.0	1.002	64733	0.2671		107	110	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.163	9.163	0.0	1.282	603900	1.81		90.6	2458	
79 N-EtFOSA-M										
526.00 > 219.00	9.177	9.177	0.0	1.001	14457	0.0523	Target=0.84	105	96.8	
526.00 > 169.00	9.163	9.177	-0.014	1.000	18010		0.80(0.42-1.26)		74.6	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.384	9.384	0.0	1.107	33172	0.0403	Target=15.84	80.7	371	
913.00 > 169.00	9.371	9.384	-0.013	1.106	2157		15.38(7.92-23.77)		128	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

1633_125_CAL1_00074

Amount Added: 1.00

Units: mL

Data File: \\chromfs\Lancaster\ChromData\30577\20251204-168875.b\25DEC04-01.d

Injection Date: 04-Dec-2025 15:59:03

Instrument ID: 30577

Lims ID: CCVO 1_CAL1

Client ID:

Operator ID: ETUS023_USR_INS00009

ALS Bottle#: 2

Worklist Smp#: 1

Injection Vol: 7.0 ul

Dil. Factor: 1.0000

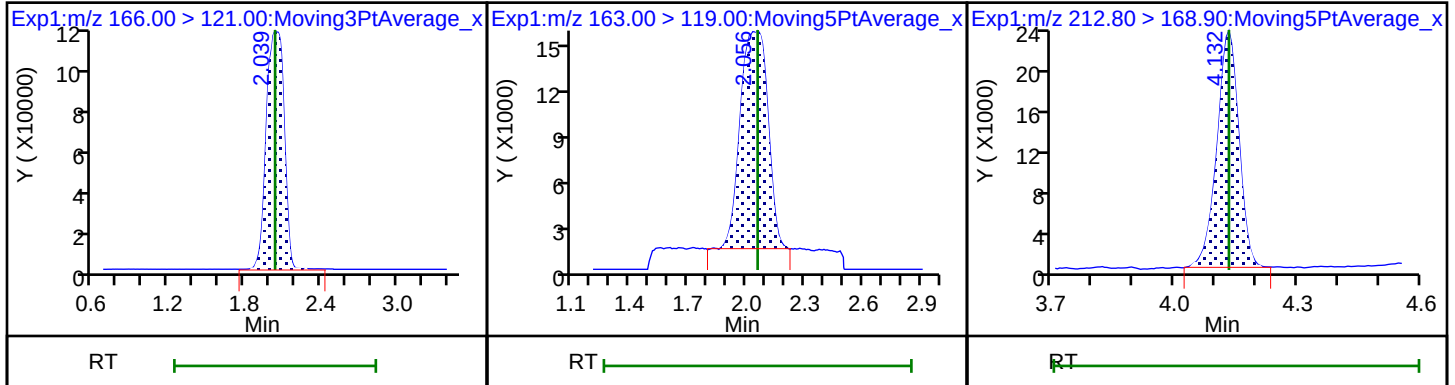
Method: 30577-1633-125

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid

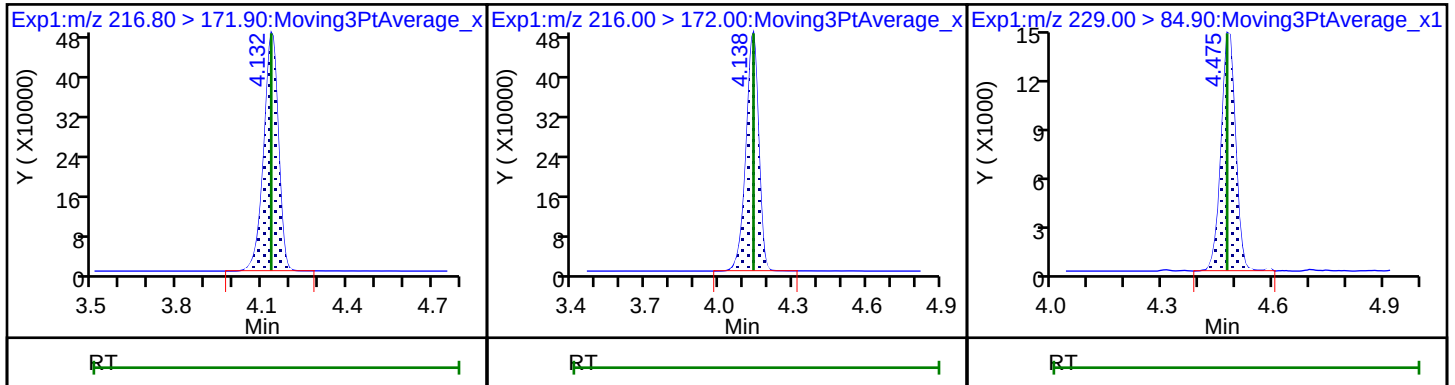
3 PFBA



D 4 13C4-PFBA

* 5 13C3PFBA

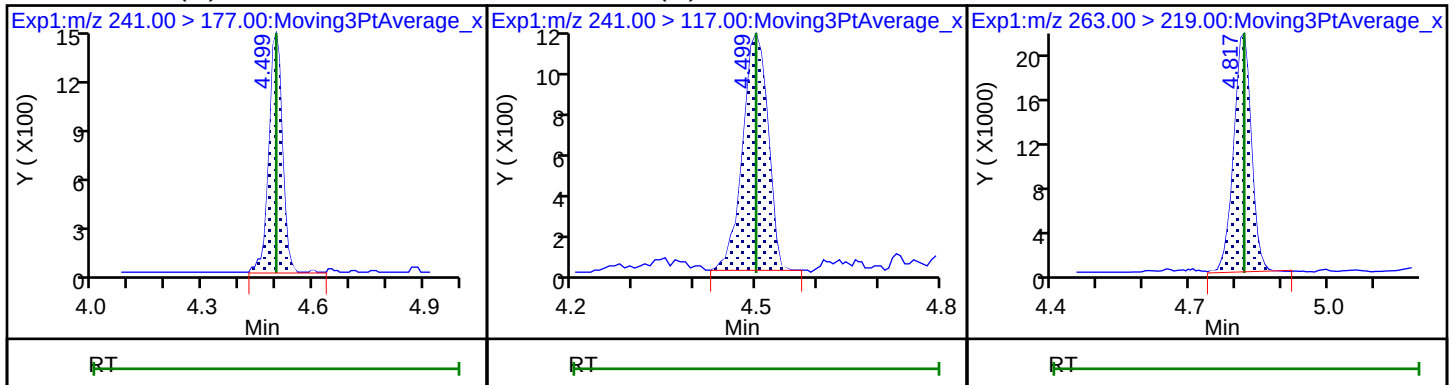
6 PFMPA



7 3:3 FTCA (M)

7 3:3 FTCA (M)

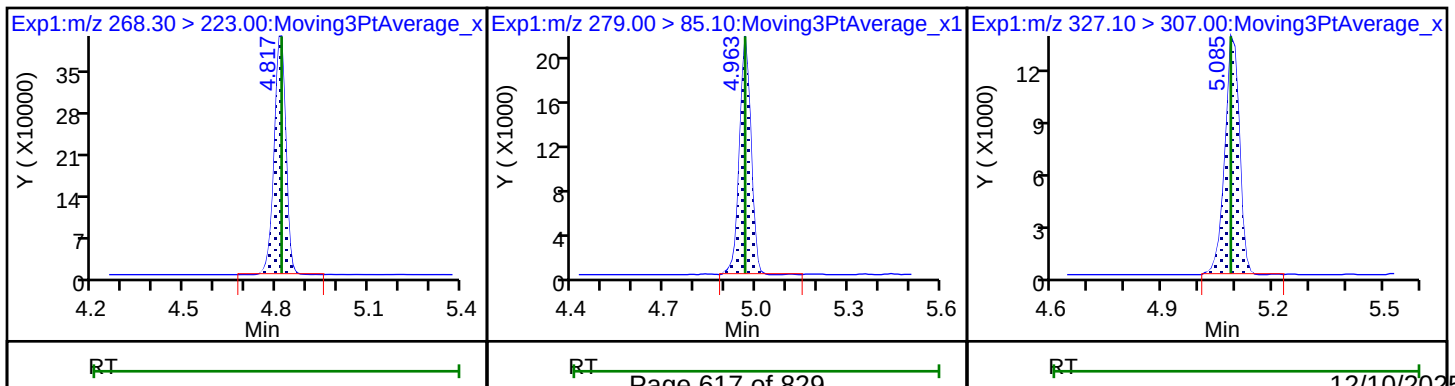
9 PFPA



D 8 13C5 PFPeA

10 PFMBa

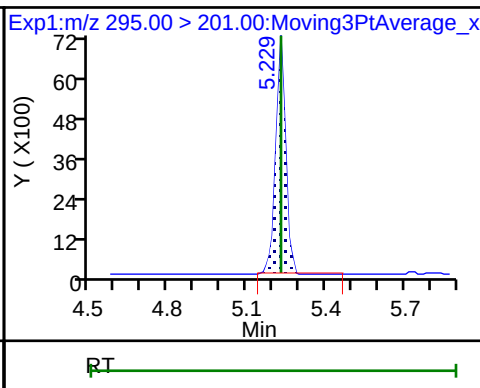
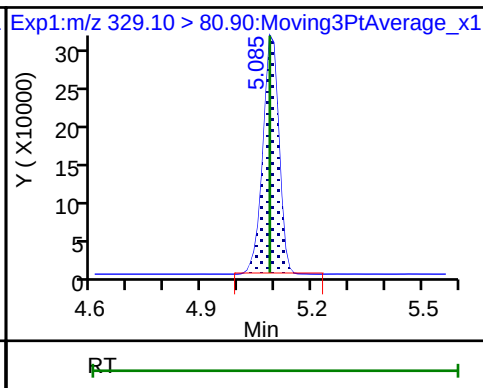
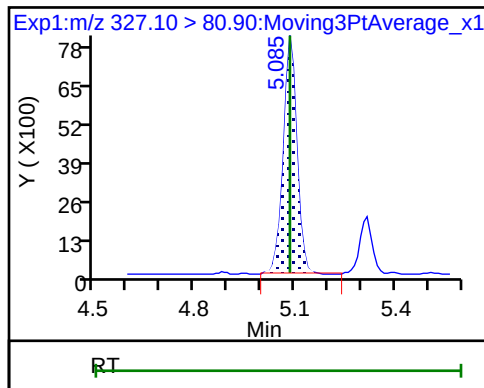
12 4:2FTS



12 4:2FTS

D 11 13C2-4:2FTS

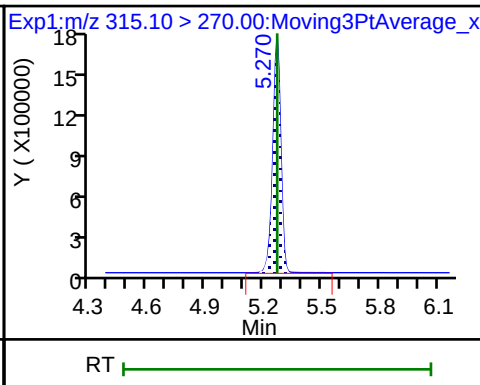
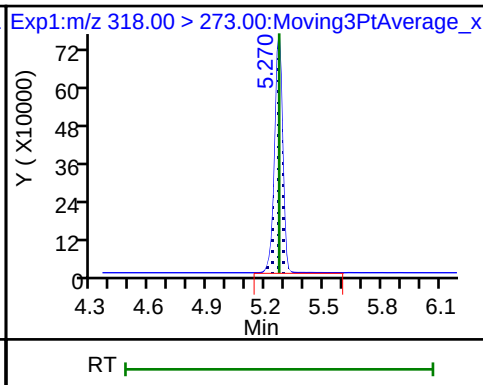
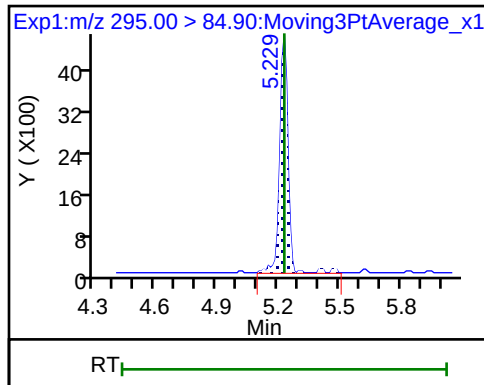
14 NFDHA



14 NFDHA

D 15 13C5 PFHxA

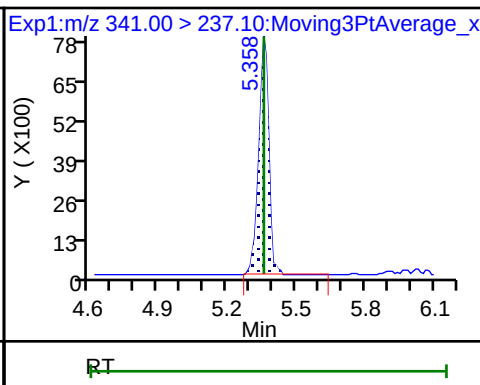
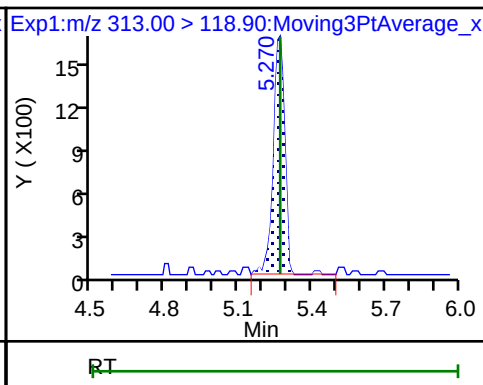
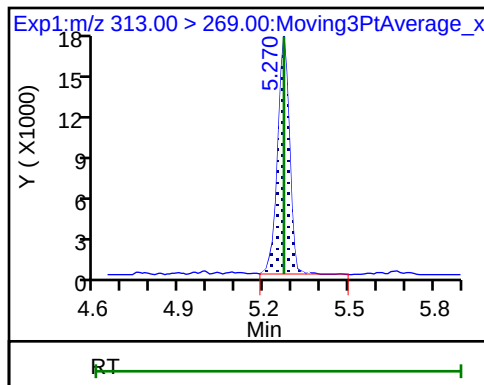
* 16 13C2 PFHxA



17 PFHxA

17 PFHxA

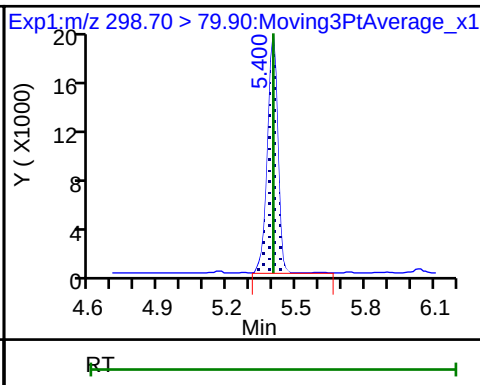
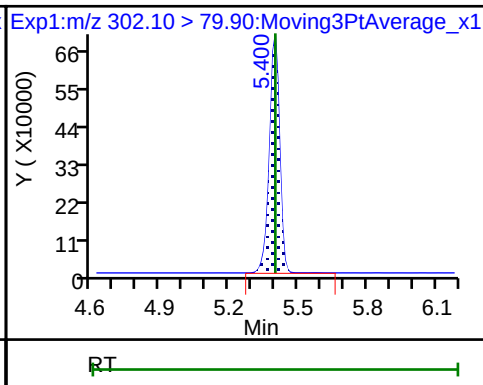
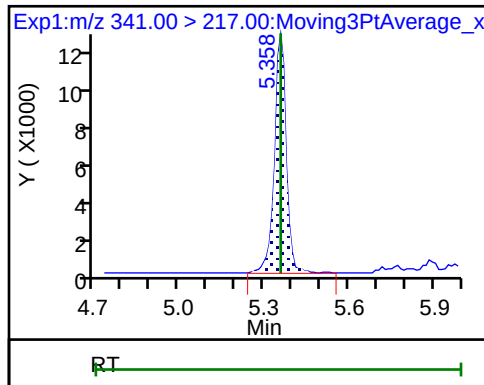
18 5:3 FTCA

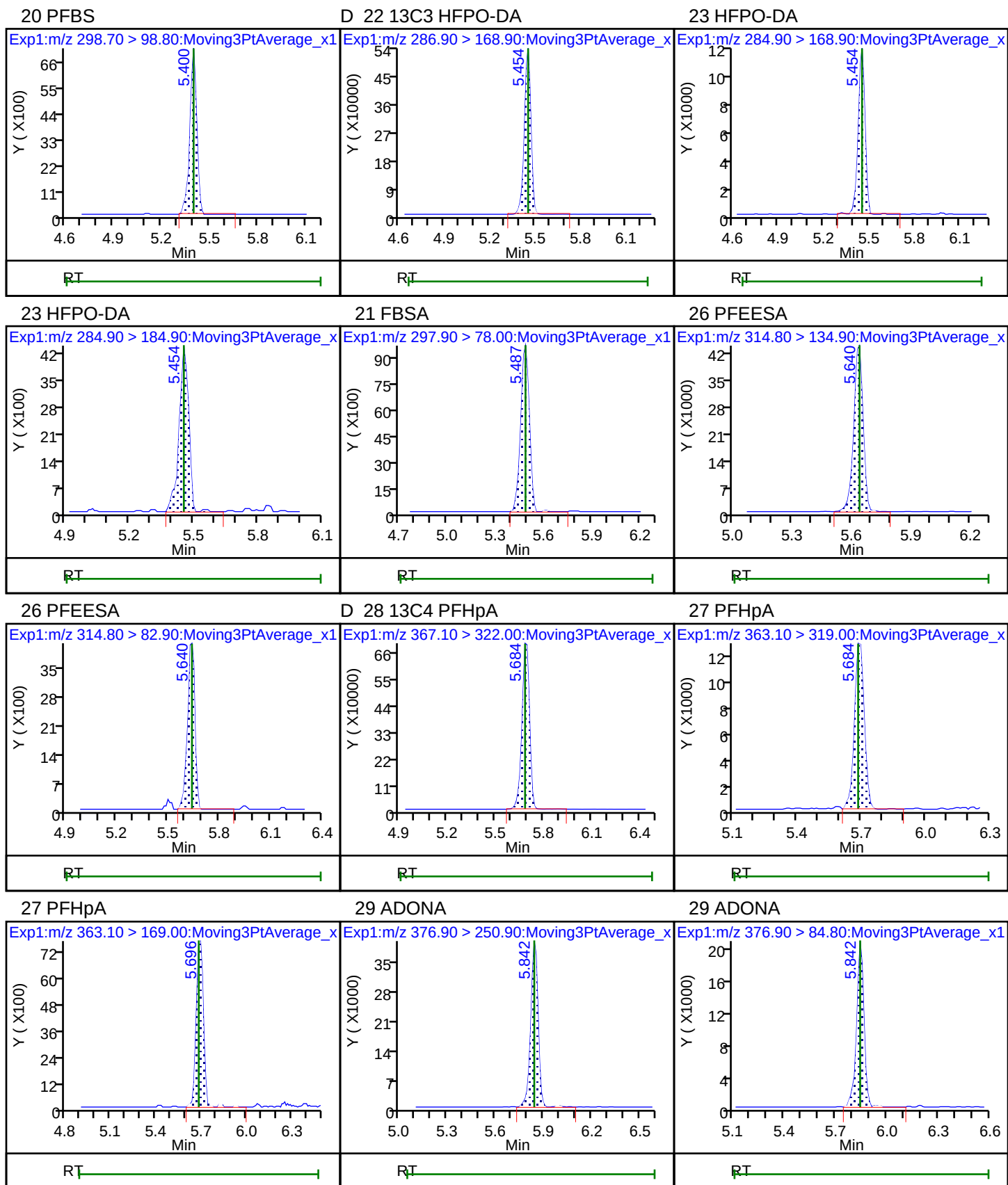


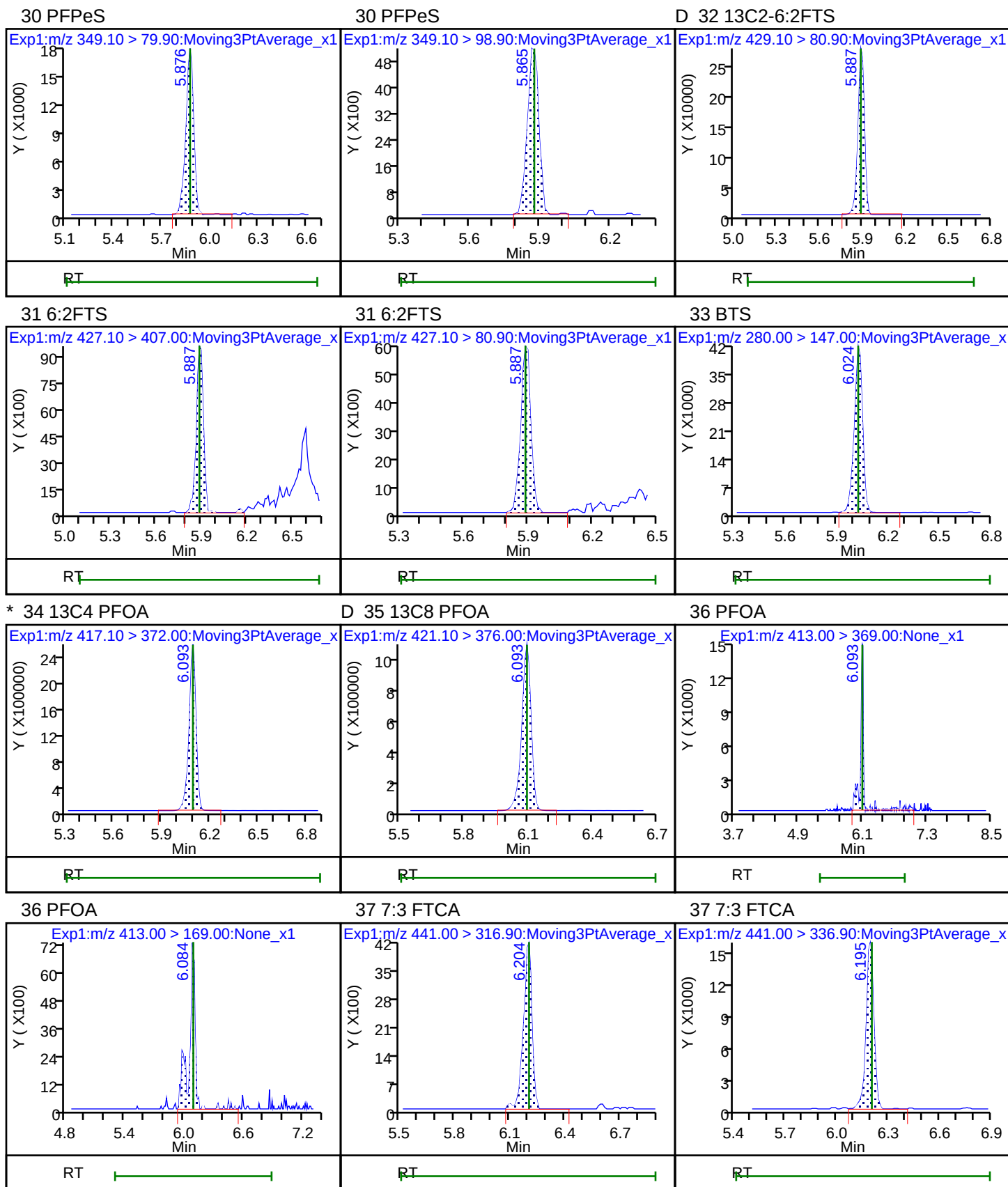
18 5:3 FTCA

D 19 13C3 PFBS

20 PFBS



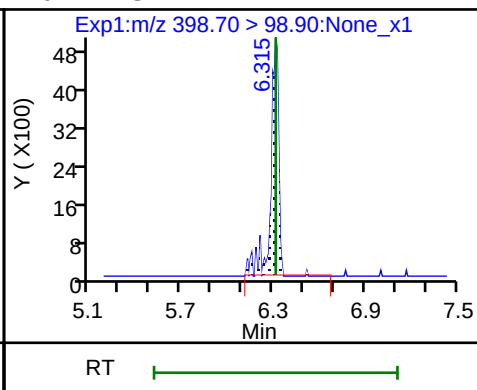
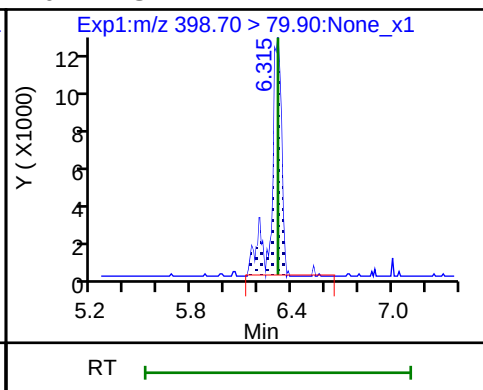
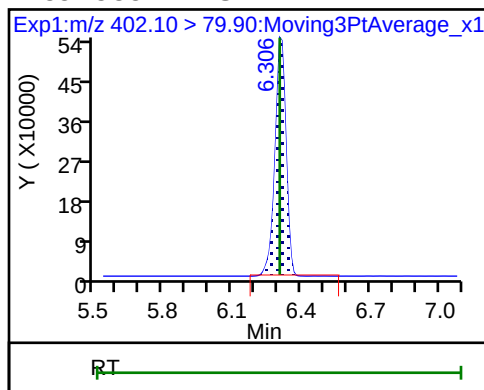




D 38 13C3 PFHxS

40 PFHxS

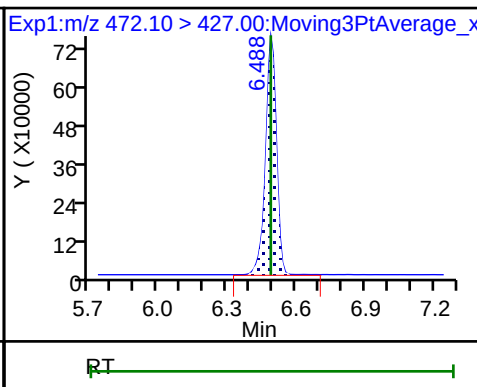
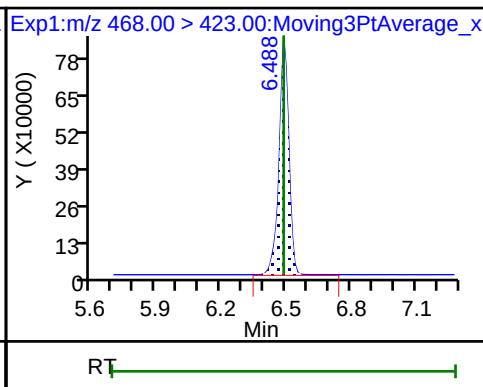
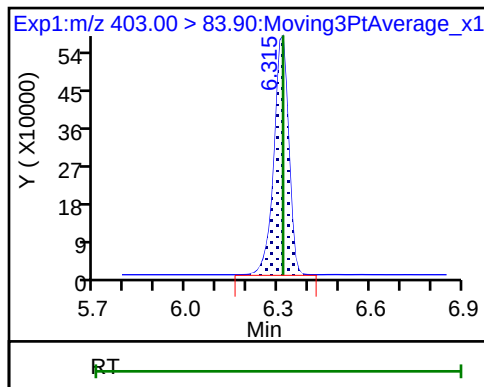
40 PFHxS



* 39 18O2 PFHxS

* 42 13C5 PFNA

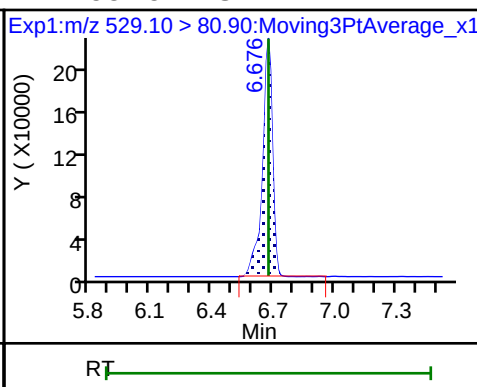
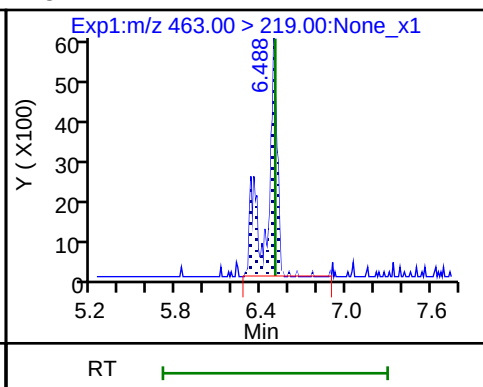
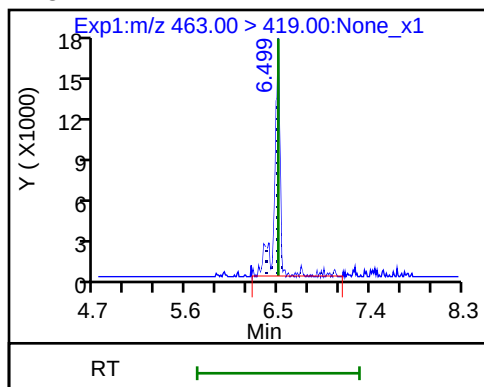
D 41 13C9 PFNA



43 PFNA

43 PFNA

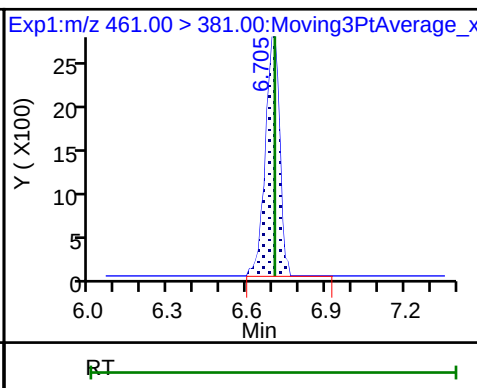
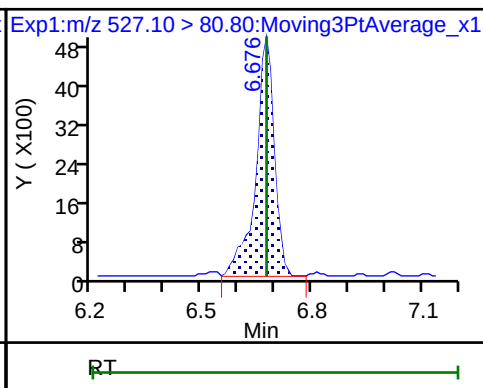
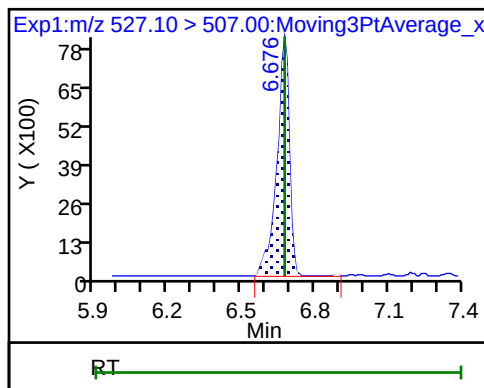
D 44 13C2-8:2FTS



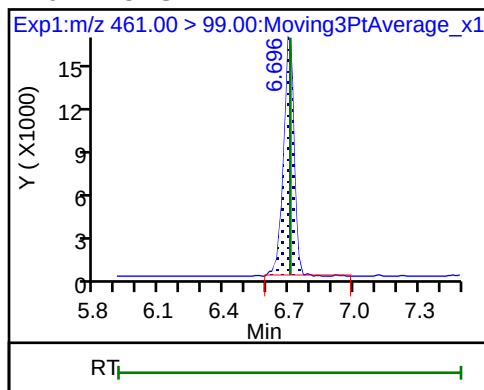
45 8:2FTS

45 8:2FTS

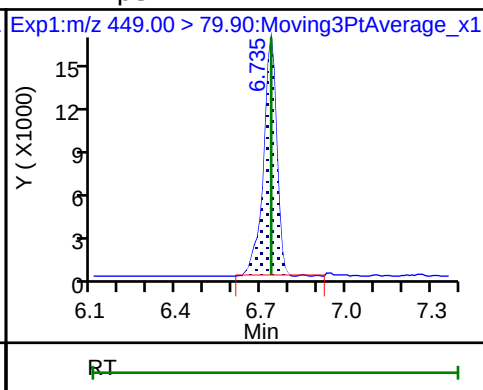
46 PFECHS



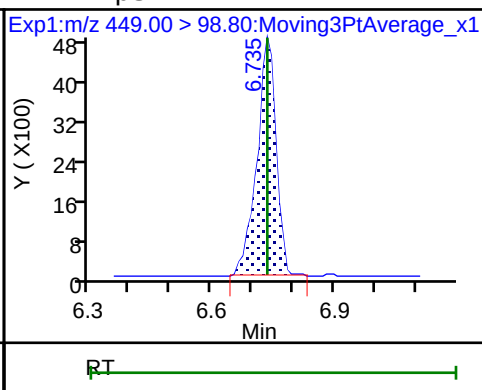
46 PFECHS



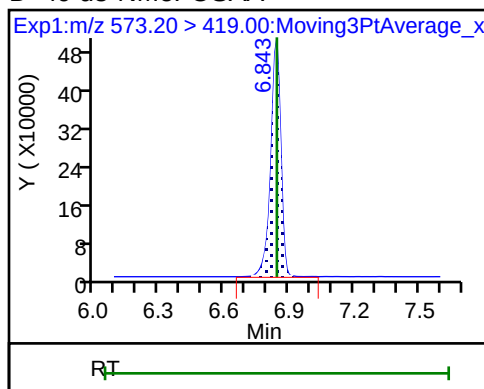
47 PFHpS



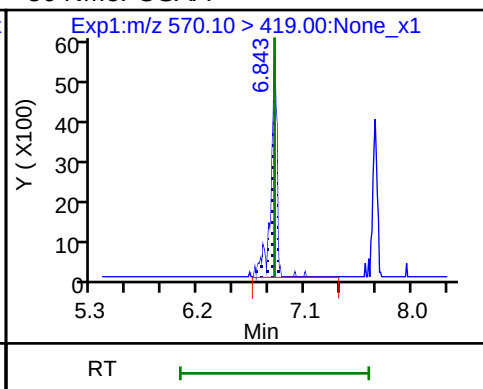
47 PFHpS



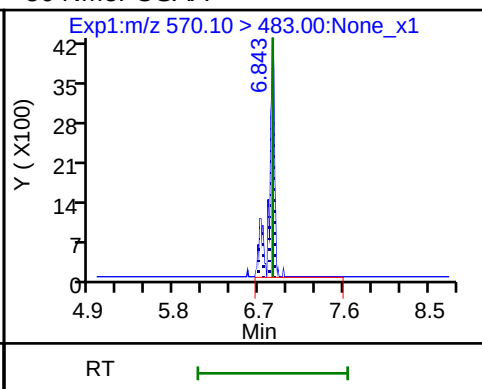
D 49 d3-NMeFOSAA



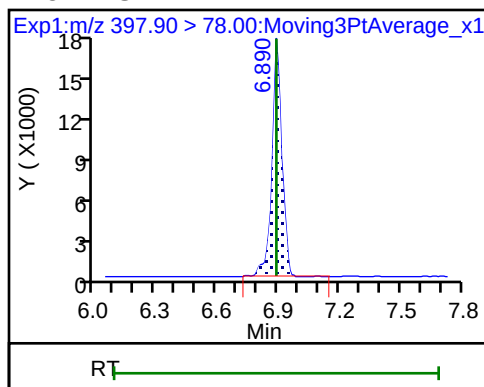
50 NMeFOSAA



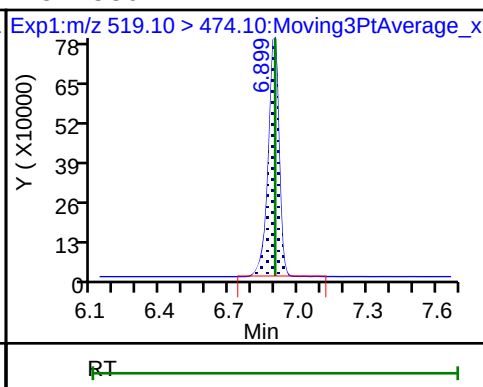
50 NMeFOSAA



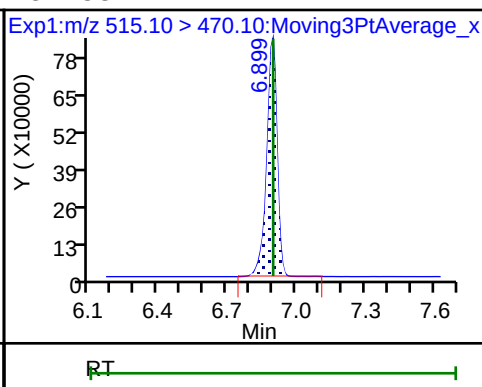
48 FHxSA



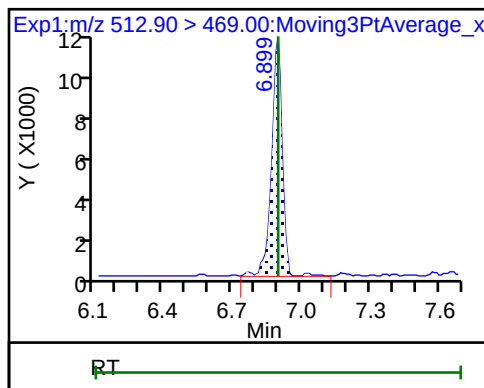
D 52 13C6 PFDA



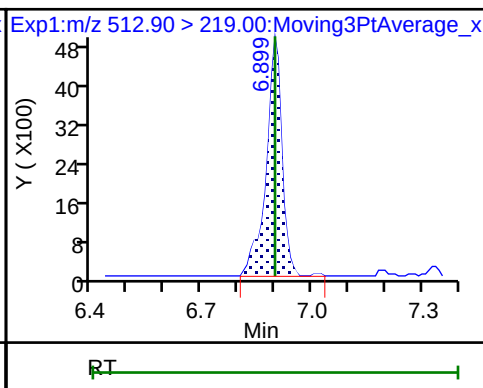
* 51 13C2 PFDA



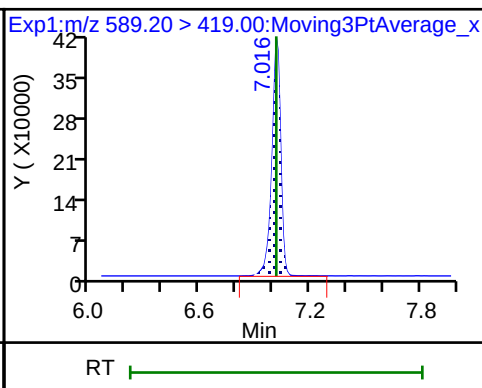
53 PFDA

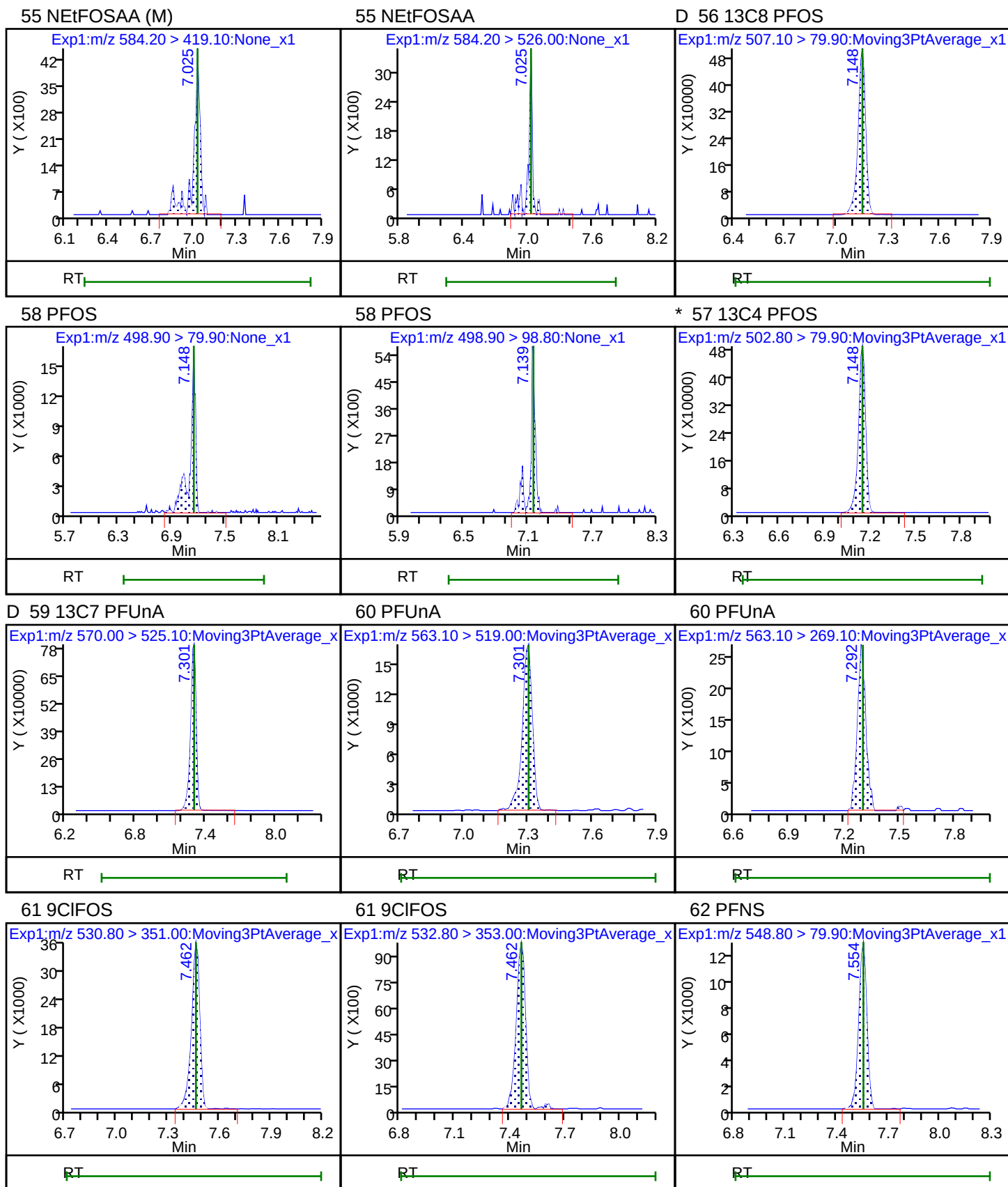


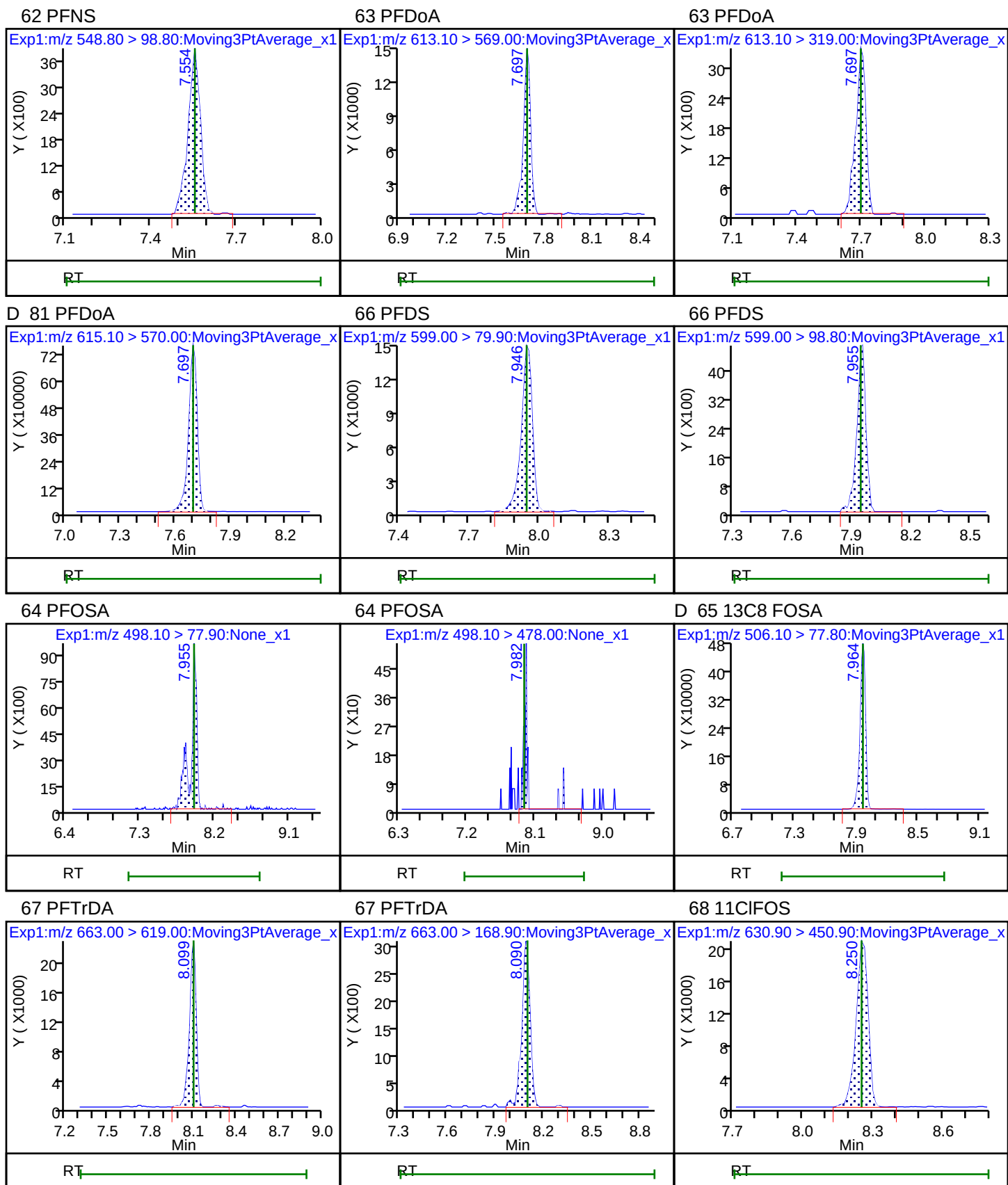
53 PFDA

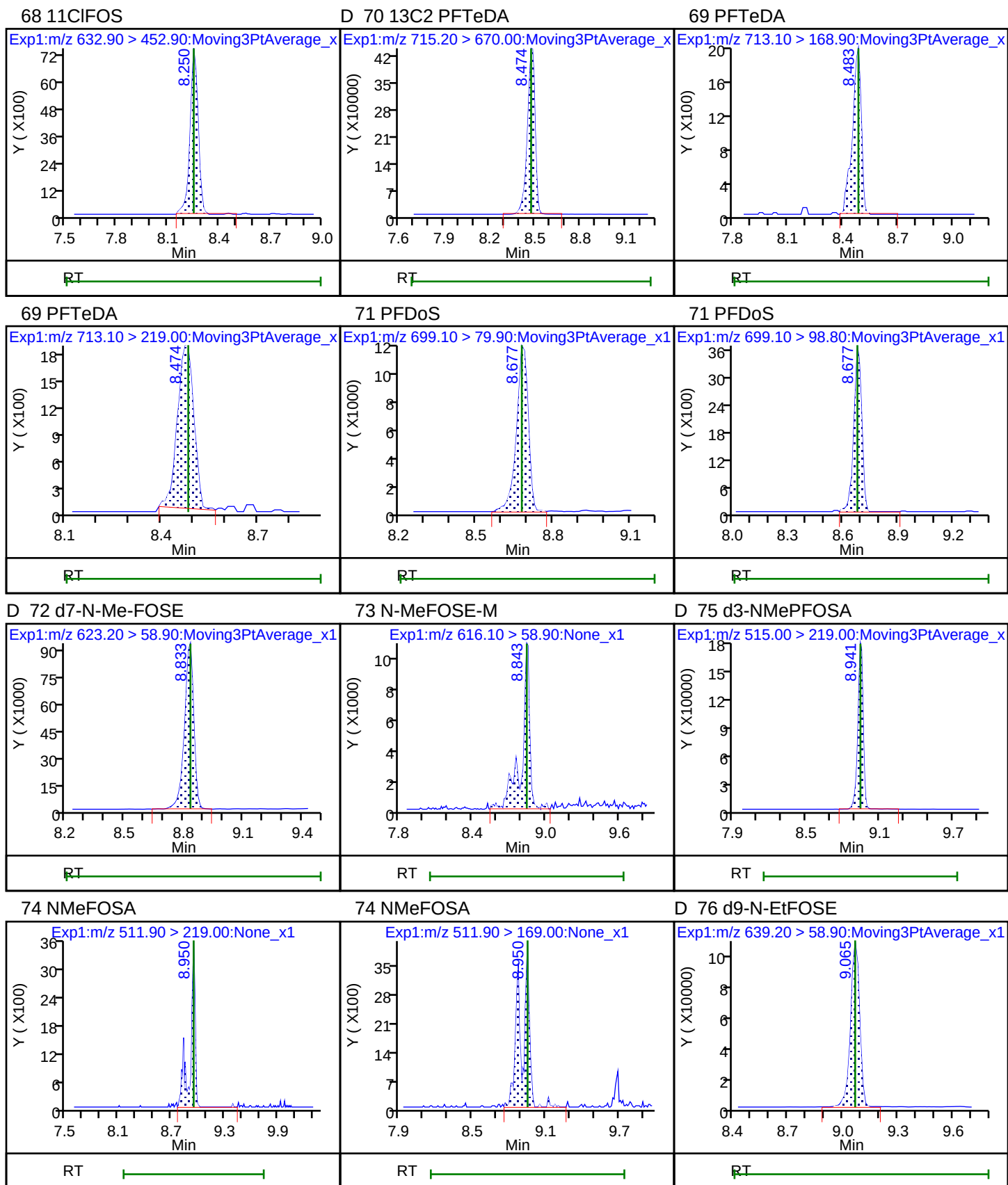


D 54 d5-NEtFOSAA

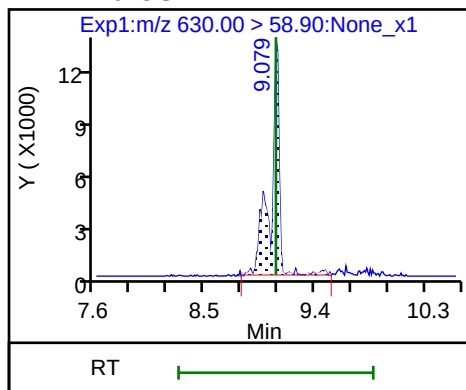




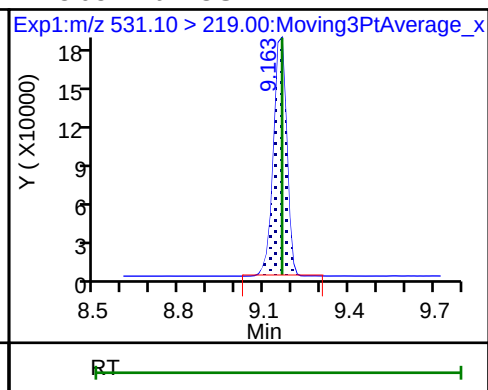




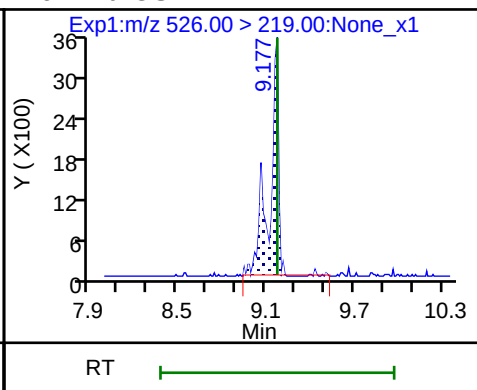
77 N-EtFOSE-M



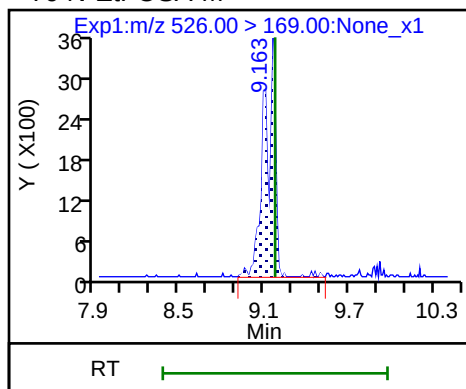
D 78 d5-NEtPFOSA



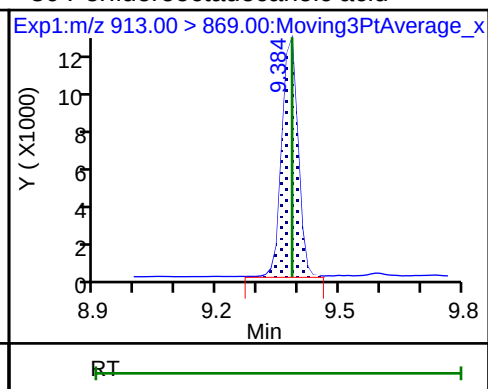
79 N-EtFOSA-M



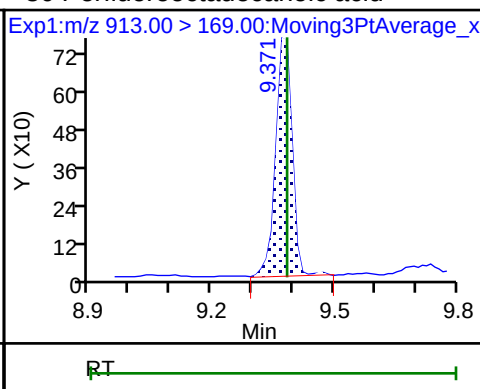
79 N-EtFOSA-M



80 Perfluorooctadecanoic acid



80 Perfluorooctadecanoic acid



FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Lab Sample ID: CCV 410-739075/18

Calibration Date: 12/04/2025 20:58

Instrument ID: 30577

Calib Start Date: 12/03/2025 15:58

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 12/03/2025 17:33

Lab File ID: 25DEC04JO-14.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoropropionic acid (PFPrA)	AveID	0.9562	0.9474		4.95	5.00	-1.0	30.0
Perfluorobutanoic acid (PFBA)	AveID	0.9278	0.9234		1.99	2.00	0.0	30.0
Perfluoro-3-methoxypropanoic acid (PFMPA)	AveID	1.585	1.572		0.992	1.00	-1.0	30.0
3:3 FTCA	AveID	0.0732	0.0709		1.94	2.00	-3.0	30.0
Perfluoropentanoic acid (PFPeA)	AveID	2.021	2.015		0.997	1.00	0.0	30.0
Perfluoro-4-methoxybutanoic acid (PFMBA)	AveID	2.070	1.961		0.947	1.00	-5.0	30.0
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	AveID	1.849	1.781		1.81	1.88	-4.0	30.0
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	AveID	0.2931	0.2825		0.964	1.00	-4.0	30.0
Perfluorohexanoic acid (PFHxA)	AveID	0.8305	0.7898		0.951	1.00	-5.0	30.0
5:3 FTCA	AveID	0.1021	0.0921		4.51	5.00	-10.0	30.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.034	0.995		0.855	0.888	-4.0	30.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.036	0.9593		0.695	0.750	-7.0	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	0.7082	0.6422		0.907	1.00	-9.0	30.0
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	AveID	2.969	3.055		0.918	0.892	3.0	30.0
Perfluoroheptanoic acid (PFHpA)	AveID	0.7451	0.7360		0.988	1.00	-1.0	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	3.341	3.189		0.903	0.946	-5.0	30.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.176	1.145		0.915	0.940	-3.0	30.0
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	AveID	1.818	1.813		1.90	1.90	0.0	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	2.720	2.717		0.978	0.979	0.0	30.0
Perfluorooctanoic acid (PFOA)	AveID	0.5754	0.5183		0.901	1.00	-10.0	30.0
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	AveID	0.0511	0.0480		4.71	5.00	-6.0	30.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.004	0.9334		0.848	0.912	-7.0	30.0
Perfluorononanoic acid (PFNA)	AveID	0.8128	0.7723		0.950	1.00	-5.0	30.0
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	AveID	1.714	1.705		1.91	1.92	-1.0	30.0
Perfluoro-4-ethylcyclohexane sulfonic acid (PFECBS)	AveID	0.2420	0.2331		0.890	0.924	-4.0	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.346	1.353		0.959	0.954	1.0	30.0
NMeFOSAA	AveID	1.024	1.063		1.04	1.00	4.0	30.0
Perfluorodecanoic acid (PFDA)	AveID	0.6022	0.5986		0.994	1.00	-1.0	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	1.244	1.115		0.897	1.00	-10.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Lab Sample ID: CCV 410-739075/18

Calibration Date: 12/04/2025 20:58

Instrument ID: 30577

Calib Start Date: 12/03/2025 15:58

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 12/03/2025 17:33

Lab File ID: 25DEC04JO-14.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.8386	0.8598		1.03	1.00	3.0	30.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.503	1.446		0.895	0.930	-4.0	30.0
Perfluoroundecanoic acid (PFUnA)	AveID	0.7939	0.8064		1.02	1.00	2.0	30.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	AveID	2.967	2.877		0.906	0.934	-3.0	30.0
Perfluorononanesulfonic acid (PFNS)	AveID	1.017	0.9628		0.911	0.962	-5.0	30.0
Perfluorododecanoic acid (PFDoA)	AveID	0.7349	0.6956		0.946	1.00	-5.0	30.0
Perfluorodecanesulfonic acid (PFDS)	AveID	1.195	1.166		0.941	0.964	-2.0	30.0
Perfluorooctanesulfonamide	AveID	0.9572	0.9830		1.03	1.00	3.0	30.0
Perfluorotridecanoic acid (PFTrDA)	AveID	1.361	1.279		0.940	1.00	-6.0	30.0
11-Chloroeicosafluoro-3-oxau ndecane-1-sulfonic acid (11Cl-PF30UdS)	AveID	1.971	1.823		0.873	0.944	-8.0	30.0
Perfluorotetradecanoic acid (PFTeDA)	AveID	0.1886	0.1826		0.968	1.00	-3.0	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	1.000	0.9138		0.886	0.970	-9.0	30.0
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	AveID	2.741	2.621		4.78	5.00	-4.0	30.0
N-methylperfluorooctane sulfonamide (NMeFOSA)	AveID	0.9942	0.9547		0.960	1.00	-4.0	30.0
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	AveID	3.355	3.393		5.06	5.00	1.0	30.0
N-ethylperfluorooctane sulfonamide (NEtFOSA)	AveID	0.9150	0.9172		1.00	1.00	0.0	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	1.084	0.9545		0.881	1.00	-12.0	30.0
13C3 PFPrA	Ave	0.6919	0.6561		1.90	2.00	-5.0	30.0
13C4 PFBA	Ave	1.050	1.016		1.94	2.00	-3.0	30.0
13C5 PFPeA	Ave	0.5406	0.5092		1.88	2.00	-6.0	30.0
M2-4:2 FTS	Ave	0.2277	0.2212		4.56	4.69	-3.0	30.0
13C5 PFHxA	Ave	1.129	1.089		1.93	2.00	-3.0	30.0
13C3 PFBS	Ave	1.231	1.222		1.85	1.86	-1.0	30.0
13C3 HFPO-DA	Ave	0.8605	0.8431		1.96	2.00	-2.0	30.0
13C4 PFHpA	Ave	1.186	1.087		1.83	2.00	-8.0	30.0
M2-6:2 FTS	Ave	0.1978	0.1891		4.55	4.76	-4.0	30.0
13C8 PFOA	Ave	1.027	1.006		1.96	2.00	-2.0	30.0
13C3 PFHxS	Ave	1.002	0.9929		1.88	1.90	-1.0	30.0
13C9 PFNA	Ave	0.9792	0.9837		2.01	2.00	0.0	30.0
13C2 8:2 FTS	Ave	0.1849	0.1791		4.65	4.80	-3.0	30.0
d3-NMeFOSAA	Ave	0.4179	0.3780		4.52	5.00	-10.0	30.0
13C6 PFDA	Ave	1.020	0.9541		1.87	2.00	-6.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-254628-1
Environment Testing, LLC

SDG No.: _____

Lab Sample ID: CCV 410-739075/18 Calibration Date: 12/04/2025 20:58

Instrument ID: 30577 Calib Start Date: 12/03/2025 15:58

GC Column: Gemini C18 50mm ID: 3.00 (mm) Calib End Date: 12/03/2025 17:33

Lab File ID: 25DEC04JO-14.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d5-NEtFOSAA	Ave	0.3695	0.3290		4.45	5.00	-11.0	30.0
13C8 PFOS	Ave	1.004	0.9723		1.86	1.92	-3.0	30.0
13C7 PFUnA	Ave	1.114	1.052		1.89	2.00	-6.0	30.0
13C2 PFDoA	Ave	1.021	0.9208		1.80	2.00	-10.0	30.0
13C8 FOSA	Ave	1.174	1.036		1.76	2.00	-12.0	30.0
13C2 PFTeDA	Ave	0.6354	0.5654		1.78	2.00	-11.0	30.0
d7-N-MeFOSE-M	Ave	0.0854	0.0779		4.56	5.00	-9.0	30.0
d3-NMePFOSA	Ave	0.3381	0.3124		1.85	2.00	-8.0	30.0
d9-N-EtFOSE-M	Ave	0.1017	0.0841		4.14	5.00	-17.0	30.0
d5-NEtPFOSA	Ave	0.4089	0.3623		1.77	2.00	-11.0	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30577\20251204-168875.b\25DEC04JO-14.d
 Lims ID: CCV 3_CAL4
 Client ID:
 Sample Type: CCV
 Inject. Date: 04-Dec-2025 20:58:08 ALS Bottle#: 5 Worklist Smp#: 18
 Injection Vol: 7.0 ul Dil. Factor: 1.0000
 Sample Info: CCV 2_CAL4
 Misc. Info.: Plate: 1 Rack: 1 410-0168875-002
 Operator ID: ETUS023_USR_INS00009 Instrument ID: 30577
 Sublist: chrom-30577-1633-125*sub7
 Method: \\chromfs\Lancaster\ChromData\30577\20251204-168875.b\30577-1633-125.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 04-Dec-2025 23:36:25 Calib Date: 03-Dec-2025 17:33:28
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\25DEC03CAL-08.d

Column 1 : Det: EXP1
 Process Host: CTX1687

First Level Reviewer: XBL5 Date: 04-Dec-2025 23:31:52

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	2.023	2.039	-0.016	0.487	1036761	1.90		94.8	2000	
2 Perfluoropropionic acid										
163.00 > 119.00	2.031	2.056	-0.025	1.004	2455686	4.95		99.1	10941	
3 PFBA										
212.80 > 168.90	4.145	4.132	0.013	1.000	1482617	1.99		99.5	12350	
D 4 13C4-PFBA										
216.80 > 171.90	4.145	4.132	0.013	0.998	1605566	1.94		96.8	5202	
* 5 13C3PFBA										
216.00 > 172.00	4.151	4.138	0.013		1580072	2.00			3498	
6 PFMPA										
229.00 > 84.90	4.491	4.475	0.016	0.932	733638	0.99		99.2	2585	
7 3:3 FTCA										
241.00 > 177.00	4.508	4.499	0.009	0.936	66157	1.94	Target=1.11	96.9	1379	
241.00 > 117.00	4.508	4.499	0.009	0.936	59067		1.12(0.56-1.67)		382	
9 PFPA										
263.00 > 219.00	4.818	4.817	0.001	1.000	940311	1.00		99.7	719	
D 8 13C5 PFPeA										
268.30 > 223.00	4.818	4.817	0.001	0.914	933100	1.88		94.2	4108	
10 PFMBA										
279.00 > 85.10	4.964	4.963	0.001	1.030	914789	0.9473		94.7	4863	
12 4:2FTS										
327.10 > 307.00	5.087	5.085	0.002	1.000	674666	1.81	Target=1.70	96.3	2926	
327.10 > 80.90	5.087	5.085	0.002	1.000	422151		1.60(0.85-2.55)		502	
D 11 13C2-4:2FTS										
329.10 > 80.90	5.087	5.085	0.002	0.808	946890	4.56		97.2	3614	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.231	5.229	0.002	0.994	281942	0.9639	Target=1.56	96.4	1612	
295.00 > 84.90	5.231	5.229	0.002	0.994	186452		1.51(0.78-2.34)		934	
D 15 13C5 PFHxA										
318.00 > 273.00	5.262	5.270	-0.008	0.998	1996222	1.93		96.5	5488	
* 16 13C2 PFHxA										
315.10 > 270.00	5.271	5.270	0.001		4581244	5.00			11112	
17 PFHxA										
313.00 > 269.00	5.271	5.270	0.001	1.002	788302	0.9510	Target=10.34	95.1	2478	
313.00 > 118.90	5.271	5.270	0.001	1.002	78943		9.99(5.17-15.52)		629	
18 5:3 FTCA										
341.00 > 237.10	5.360	5.358	0.002	1.019	459807	4.51	Target=0.69	90.2	1446	
341.00 > 217.00	5.350	5.358	-0.008	1.017	662494		0.69(0.35-1.04)		589	
D 19 13C3 PFBS										
302.10 > 79.90	5.391	5.400	-0.009	0.856	2079886	1.85		99.3	6389	
20 PFBS										
298.70 > 79.90	5.391	5.400	-0.009	1.000	986134	0.8550	Target=2.94	96.3	3780	
298.70 > 98.80	5.391	5.400	-0.009	1.000	344261		2.86(1.47-4.41)		2216	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.445	5.454	-0.009	1.033	1545064	1.96		98.0	7757	
23 HFPO-DA										
284.90 > 168.90	5.445	5.454	-0.009	1.000	555828	0.6947	Target=2.33	92.6	5054	
284.90 > 184.90	5.445	5.454	-0.009	1.000	231599		2.40(1.16-3.49)		1972	
21 FBSA										
297.90 > 78.00	5.489	5.487	0.002	1.018	716555	0.9068		90.7	2380	
26 PFEESA										
314.80 > 134.90	5.630	5.640	-0.010	1.070	2719656	0.9178	Target=13.08	103	8503	
314.80 > 82.90	5.630	5.640	-0.010	1.070	207920		13.08(6.54-19.62)		1034	
D 28 13C4 PFHpA										
367.10 > 322.00	5.686	5.684	0.002	1.079	1991080	1.83		91.6	5916	
27 PFHpA										
363.10 > 319.00	5.686	5.684	0.002	1.000	732694	0.9877	Target=1.78	98.8	1967	
363.10 > 169.00	5.686	5.684	0.002	1.000	430549		1.70(0.89-2.67)		1910	
29 ADONA										
376.90 > 250.90	5.832	5.842	-0.010	1.071	2330800	0.9030	Target=2.07	95.5	4798	
376.90 > 84.80	5.832	5.842	-0.010	1.071	1123077		2.08(1.04-3.11)		2854	
30 PFPeS										
349.10 > 79.90	5.866	5.876	-0.010	0.932	975069	0.9148	Target=3.11	97.3	3582	
349.10 > 98.90	5.866	5.876	-0.010	0.932	302516		3.22(1.56-4.67)		1364	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.877	5.887	-0.010	0.933	821819	4.55		95.6	3423	
31 6:2FTS										
427.10 > 407.00	5.877	5.887	-0.010	1.000	595971	1.90	Target=1.69	99.7	166	
427.10 > 80.90	5.877	5.887	-0.010	1.000	371534		1.60(0.85-2.54)		162	
33 BTS										
280.00 > 147.00	6.014	6.024	-0.010	0.955	2410964	0.9780		99.9	6986	
* 34 13C4 PFOA										
417.10 > 372.00	6.076	6.093	-0.017		7015315	5.00			5326	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 35 13C8 PFOA										
421.10 > 376.00	6.076	6.093	-0.017	1.000	2824100	1.96		98.0	7191	
36 PFOA										
413.00 > 369.00	6.085	6.093	-0.008	1.001	731895	0.9008	Target=1.59	90.1	919	
413.00 > 169.00	6.085	6.093	-0.008	1.001	459380		1.59(0.80-2.39)		811	
37 7:3 FTCA										
441.00 > 316.90	6.177	6.204	-0.027	1.174	239776	4.71	Target=0.30	94.1	944	
441.00 > 336.90	6.177	6.204	-0.027	1.174	840569		0.29(0.15-0.45)		1241	
D 38 13C3 PFHxS										
402.10 > 79.90	6.297	6.306	-0.009	1.000	1718284	1.88		99.1	6377	
40 PFHxS										
398.70 > 79.90	6.297	6.315	-0.018	1.000	771463	0.8479	Target=3.25	93.0	1128	
398.70 > 98.90	6.297	6.315	-0.018	1.000	253281		3.05(1.63-4.88)		500	
* 39 18O2 PFHxS										
403.00 > 83.90	6.297	6.315	-0.018		1730650	1.90			7391	
* 42 13C5 PFNA										
468.00 > 423.00	6.480	6.488	-0.008		2364868	2.00			6349	
D 41 13C9 PFNA										
472.10 > 427.00	6.480	6.488	-0.008	1.000	2326380	2.01		100	5191	
43 PFNA										
463.00 > 419.00	6.480	6.499	-0.019	1.000	898294	0.9501	Target=1.99	95.0	726	
463.00 > 219.00	6.480	6.499	-0.019	1.000	489504		1.84(1.00-2.99)		537	
D 44 13C2-8:2FTS										
529.10 > 80.90	6.656	6.676	-0.020	1.057	784792	4.65		96.9	2546	
45 8:2FTS										
527.10 > 507.00	6.656	6.676	-0.020	1.000	535284	1.91	Target=1.75	99.5	2117	
527.10 > 80.80	6.656	6.676	-0.020	1.000	320088		1.67(0.88-2.63)		1320	
46 PFECHS										
461.00 > 381.00	6.689	6.705	-0.016	1.062	195194	0.8901	Target=0.21	96.3	961	
461.00 > 99.00	6.689	6.705	-0.016	1.062	1005859		0.19(0.10-0.31)		3813	
47 PFHpS										
449.00 > 79.90	6.718	6.735	-0.017	0.942	1015827	0.9594	Target=3.35	101	4089	
449.00 > 98.80	6.718	6.735	-0.017	0.942	302284		3.36(1.68-5.03)		1582	
D 49 d3-NMeFOSAA										
573.20 > 419.00	6.825	6.843	-0.018	0.957	1529378	4.52		90.5	4702	
50 NMeFOSAA										
570.10 > 419.00	6.835	6.843	-0.008	1.001	325224	1.04	Target=1.72	104	68.3	
570.10 > 483.00	6.825	6.843	-0.018	1.000	192650		1.69(0.86-2.58)		270	
48 FHxSA										
397.90 > 78.00	6.883	6.890	-0.007	1.093	1010701	0.8967		89.7	2376	
D 52 13C6 PFDA										
519.10 > 474.10	6.883	6.899	-0.016	1.000	2412125	1.87		93.5	7064	
* 51 13C2 PFDA										
515.10 > 470.10	6.883	6.899	-0.016		2528093	2.00			6781	
53 PFDA										
512.90 > 469.00	6.883	6.899	-0.016	1.000	721958	0.99	Target=2.79	99.4	2414	
512.90 > 219.00	6.883	6.899	-0.016	1.000	271812		2.66(1.39-4.18)		1874	

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	7.008	7.016	-0.008	0.983	1331164	4.45		89.0	5208	
55 NEtFOSAA										
584.20 > 419.10	7.008	7.025	-0.017	1.000	228899	1.03	Target=1.36	103	596	
584.20 > 526.00	7.008	7.025	-0.017	1.000	159889		1.43(0.68-2.04)		260	
D 56 13C8 PFOS										
507.10 > 79.90	7.132	7.148	-0.016	1.000	1507671	1.86		96.9	2534	
58 PFOS										
498.90 > 79.90	7.141	7.148	-0.007	1.001	1057877	0.8946	Target=4.13	96.2	1735	
498.90 > 98.80	7.141	7.148	-0.007	1.001	271077		3.90(2.07-6.20)		673	
* 57 13C4 PFOS										
502.80 > 79.90	7.132	7.148	-0.016		1550607	1.92			9012	
D 59 13C7 PFUnA										
570.00 > 525.10	7.284	7.301	-0.017	1.058	2659208	1.89		94.4	5850	
60 PFUnA										
563.10 > 519.00	7.284	7.301	-0.017	1.000	1072163	1.02	Target=6.23	102	4222	
563.10 > 269.10	7.284	7.301	-0.017	1.000	176978		6.06(3.12-9.35)		929	
61 9ClFOS										
530.80 > 351.00	7.452	7.462	-0.010	1.045	2114740	0.9058	Target=3.01	97.0	7212	
532.80 > 353.00	7.452	7.462	-0.010	1.045	682587		3.10(1.50-4.51)		3432	
62 PFNS										
548.80 > 79.90	7.545	7.554	-0.009	1.058	728813	0.9105	Target=3.21	94.6	3742	
548.80 > 98.80	7.535	7.554	-0.019	1.057	226832		3.21(1.61-4.82)		1578	
63 PFDoA										
613.10 > 569.00	7.689	7.697	-0.008		809631	0.9464	Target=4.51	94.6	2852	
613.10 > 319.00	7.689	7.697	-0.008		190467		4.25(2.25-6.76)		1182	
D 81 PFDoA										
615.10 > 570.00	7.689	7.697	-0.008	1.117	2327983	1.80		90.2	6594	
66 PFDS										
599.00 > 79.90	7.931	7.946	-0.015	1.112	884542	0.9405	Target=3.42	97.6	4313	
599.00 > 98.80	7.931	7.946	-0.015	1.112	272076		3.25(1.71-5.12)		1947	
64 PFOSA										
498.10 > 77.90	7.957	7.955	0.002	1.000	823986	1.03	Target=43.61	103	1820	
498.10 > 478.00	7.957	7.955	0.002	1.000	19450		42.36(21.80-65.41)		48.9	
D 65 13C8 FOSA										
506.10 > 77.80	7.957	7.964	-0.007	1.116	1676437	1.76		88.2	4980	
67 PFTTrDA										
663.00 > 619.00	8.083	8.099	-0.016	0.956	1201701	0.9399	Target=7.60	94.0	4786	
663.00 > 168.90	8.083	8.099	-0.016	0.956	164785		7.29(3.80-11.40)		940	
68 11ClFOS										
630.90 > 450.90	8.241	8.250	-0.009	1.156	1353895	0.8727	Target=3.18	92.5	7156	
632.90 > 452.90	8.241	8.250	-0.009	1.156	459142		2.95(1.59-4.76)		2352	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.457	8.474	-0.017	1.229	1429487	1.78		89.0	5028	
69 PFTeDA										
713.10 > 168.90	8.467	8.483	-0.016	1.001	130490	0.9678	Target=1.14	96.8	1077	
713.10 > 219.00	8.457	8.483	-0.026	1.000	113700		1.15(0.57-1.70)		470	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
71 PFDoS										
699.10 > 79.90	8.660	8.677	-0.017	1.214	697472	0.8864	Target=3.63	91.4	2303	
699.10 > 98.80	8.660	8.677	-0.017	1.214	182504		3.82(1.81-5.44)		1920	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.827	8.833	-0.006	1.238	315124	4.56		91.2	543	
73 N-MeFOSE-M										
616.10 > 58.90	8.837	8.843	-0.006	1.001	825863	4.78		95.6	901	
D 75 d3-NMePFOSA										
515.00 > 219.00	8.935	8.941	-0.006	1.253	505624	1.85		92.4	3833	
74 NMeFOSA										
511.90 > 219.00	8.945	8.950	-0.005	1.001	241357	0.9603	Target=0.68	96.0	1226	
511.90 > 169.00	8.945	8.950	-0.005	1.001	353797		0.68(0.34-1.02)		568	
D 76 d9-N-EtFOSE										
639.20 > 58.90	9.054	9.065	-0.011	1.270	340294	4.14		82.7	683	
77 N-EtFOSE-M										
630.00 > 58.90	9.083	9.079	0.004	1.003	1154461	5.06		101	4463	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.153	9.163	-0.010	1.283	586359	1.77		88.6	1939	
79 N-EtFOSA-M										
526.00 > 219.00	9.153	9.177	-0.024	1.000	268916	1.00	Target=0.84	100	1319	
526.00 > 169.00	9.153	9.177	-0.024	1.000	311334		0.86(0.42-1.26)		943	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.349	9.384	-0.035	1.105	682197	0.8807	Target=15.84	88.1	8546	
913.00 > 169.00	9.349	9.384	-0.035	1.105	39792		17.14(7.92-23.77)		1807	

QC Flag Legend

Processing Flags

Reagents:

1633_125_CAL4_00077

Amount Added: 1.00

Units: mL

Data File: \\chromfs\Lancaster\ChromData\30577\20251204-168875.b\25DEC04JO-14.d

Injection Date: 04-Dec-2025 20:58:08

Instrument ID: 30577

Lims ID: CCV 3_CAL4

Client ID:

Operator ID: ETUS023_USR_INS00009

ALS Bottle#: 5

Worklist Smp#: 18

Injection Vol: 7.0 ul

Dil. Factor: 1.0000

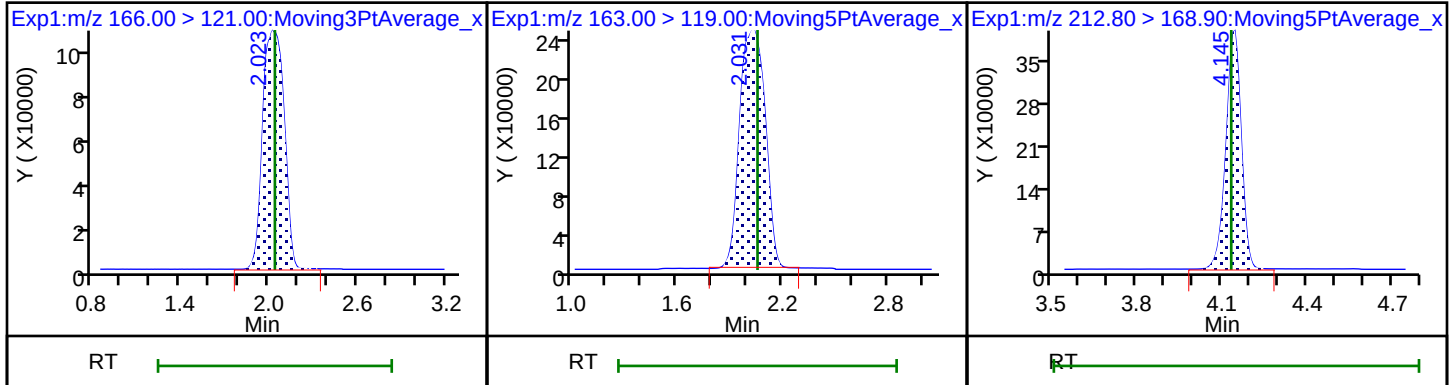
Method: 30577-1633-125

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid

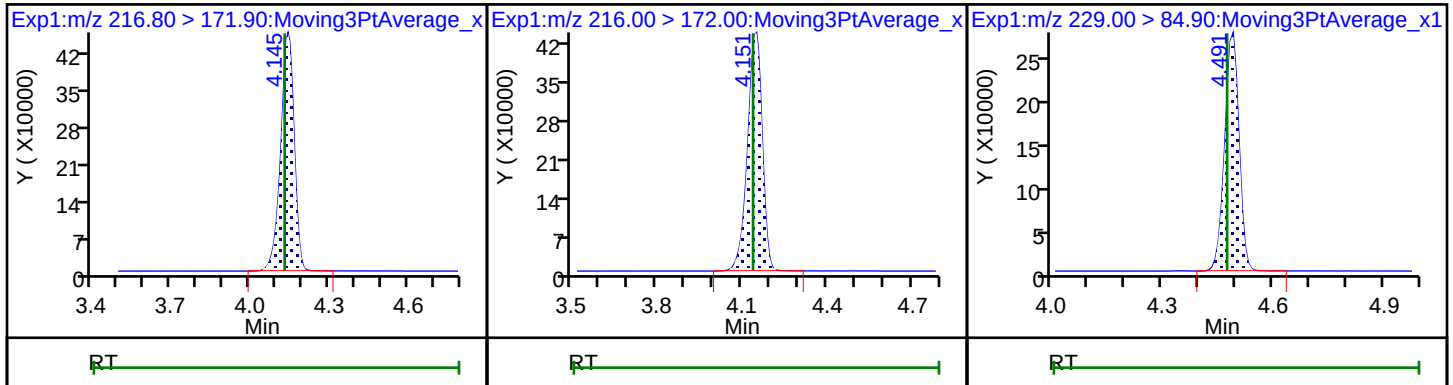
3 PFBA



D 4 13C4-PFBA

* 5 13C3PFBA

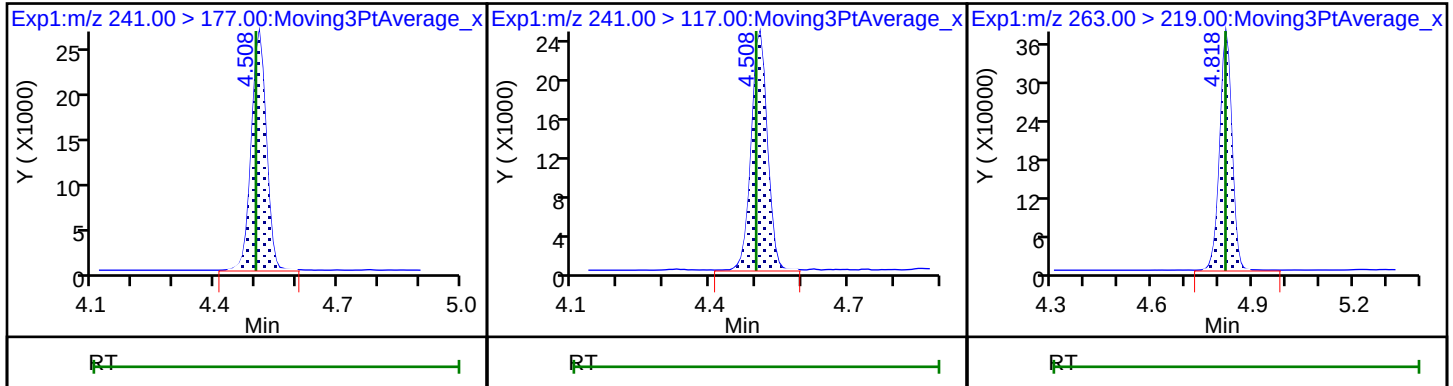
6 PFMPA



7 3:3 FTCA

7 3:3 FTCA

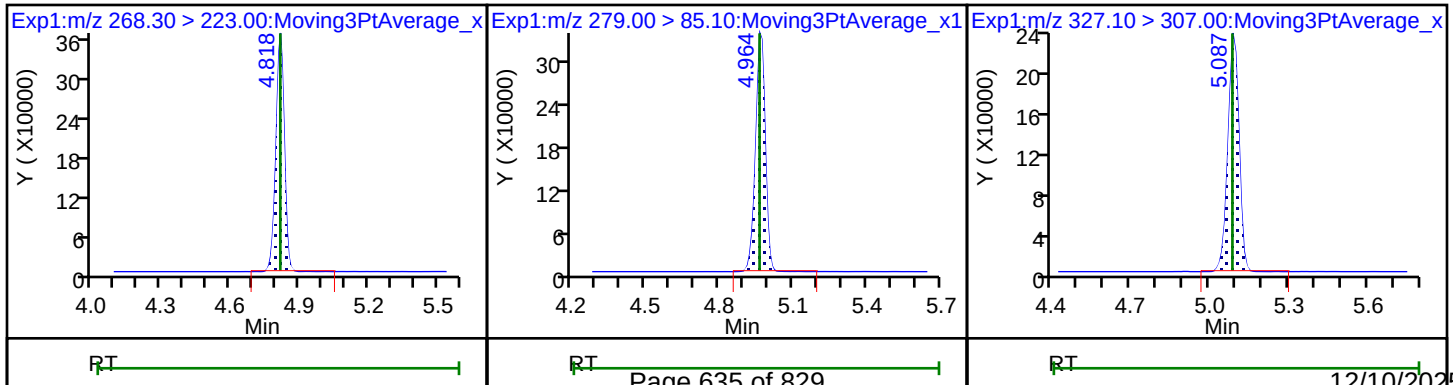
9 PFPA

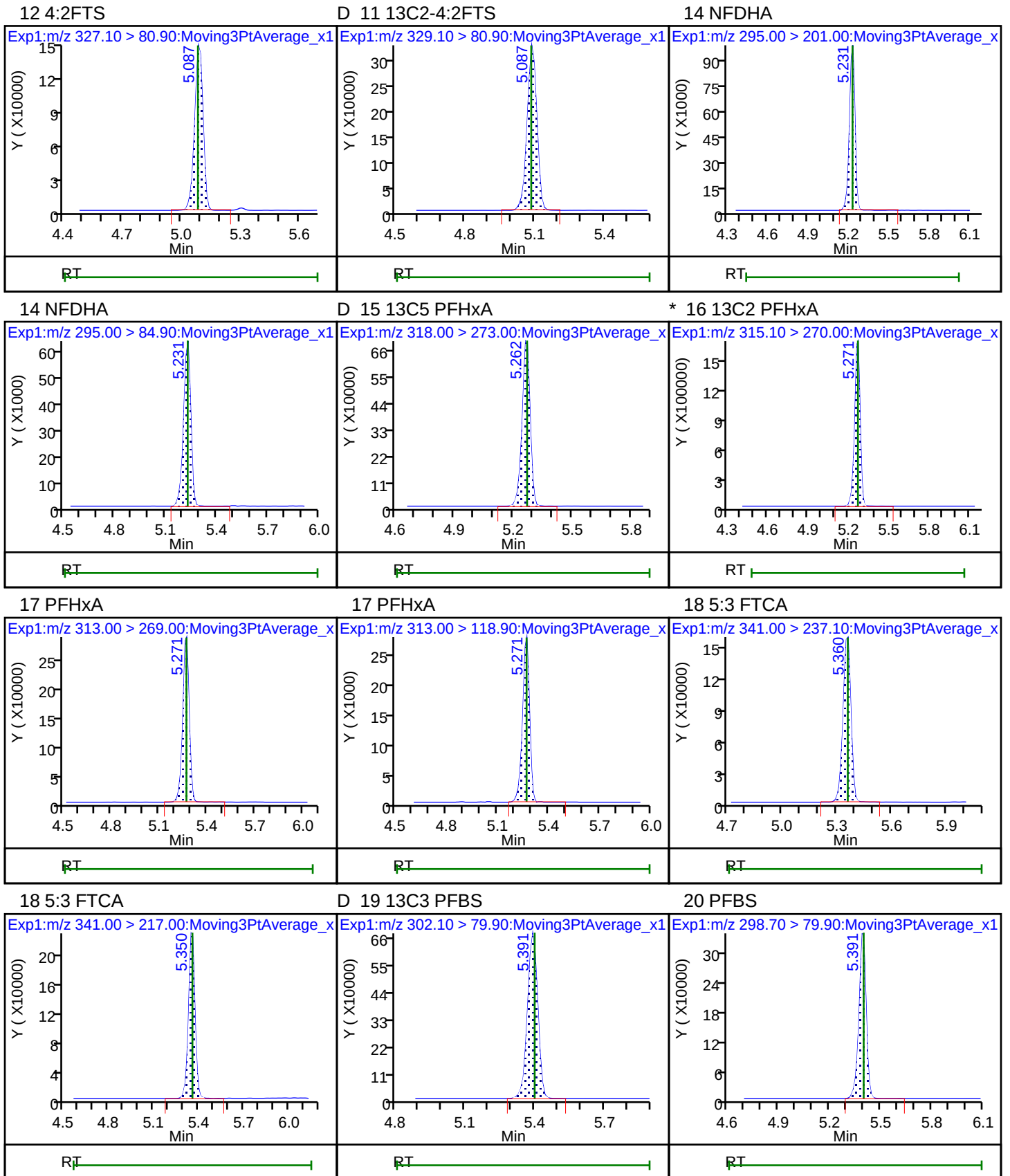


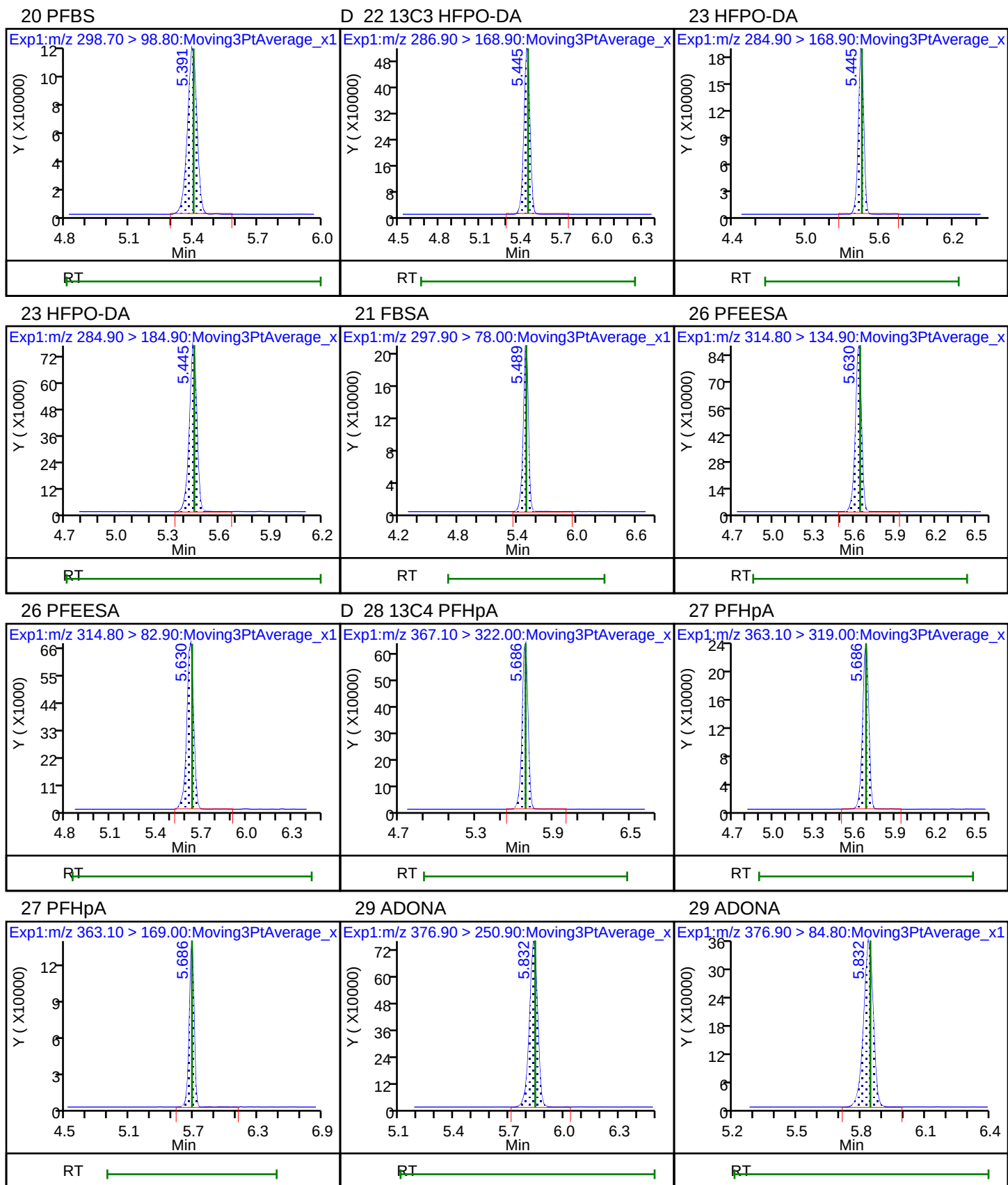
D 8 13C5 PFPeA

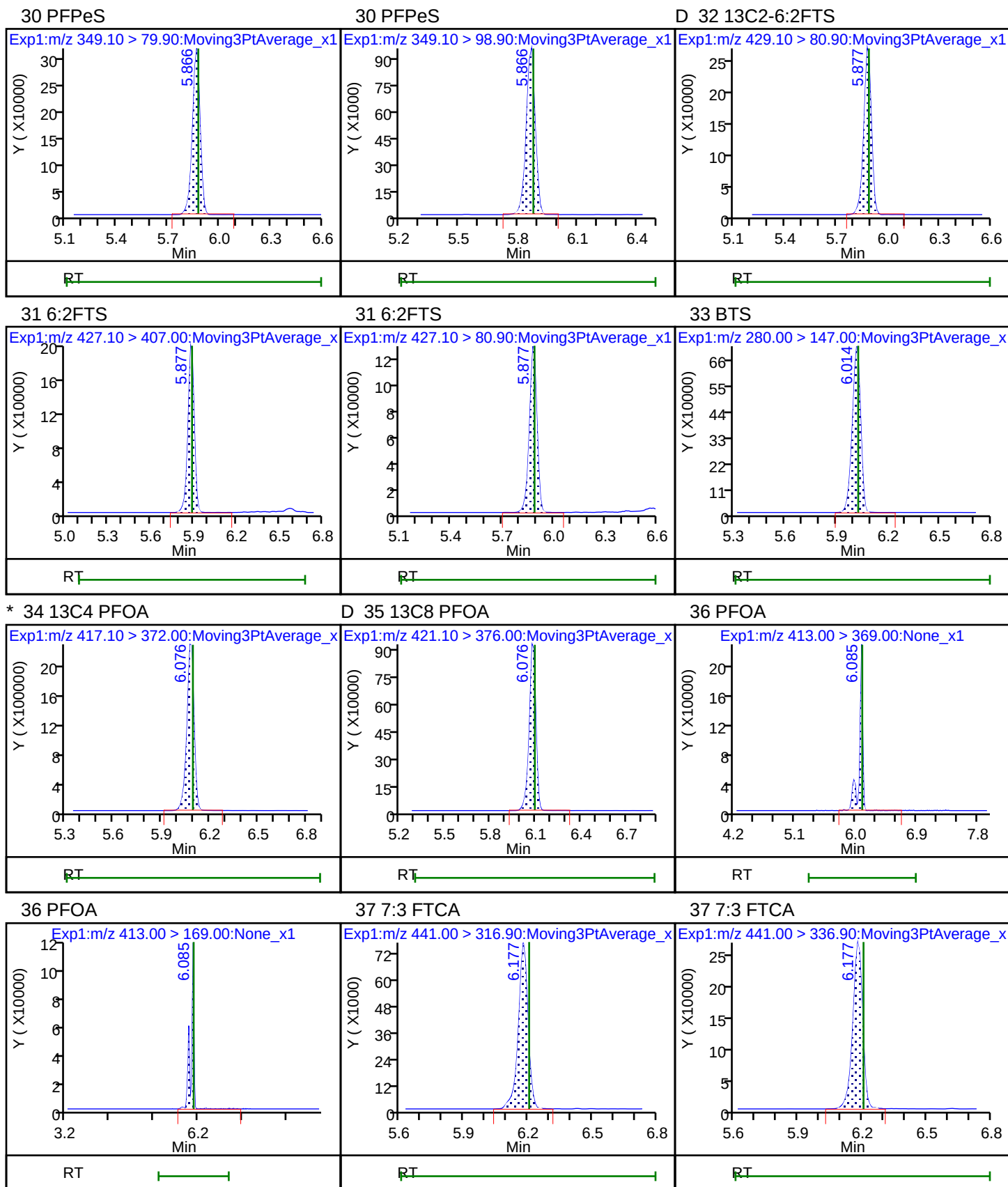
10 PFMBa

12 4:2FTS





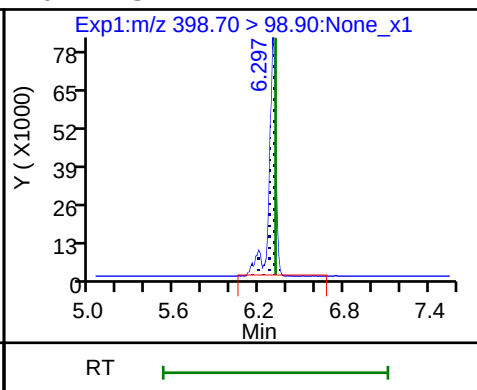
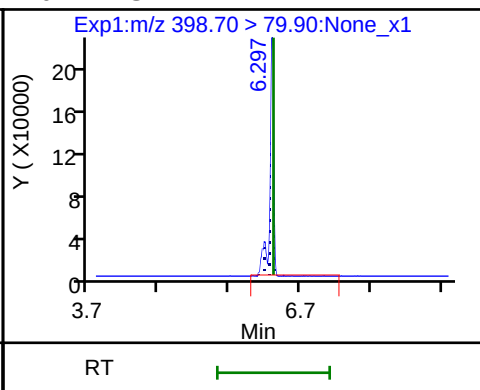
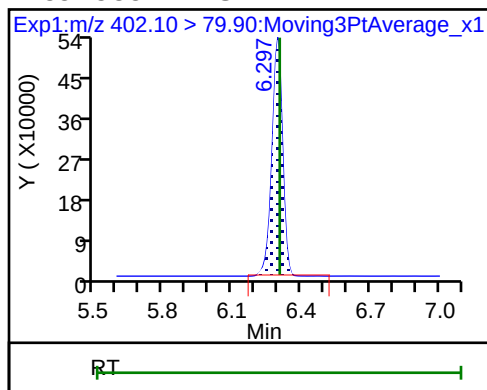




D 38 13C3 PFHxS

40 PFHxS

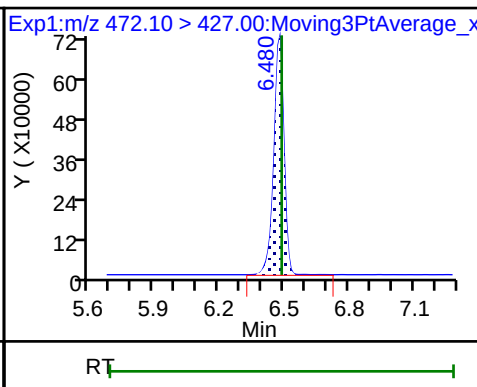
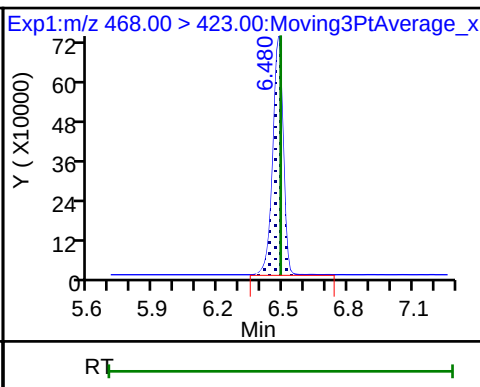
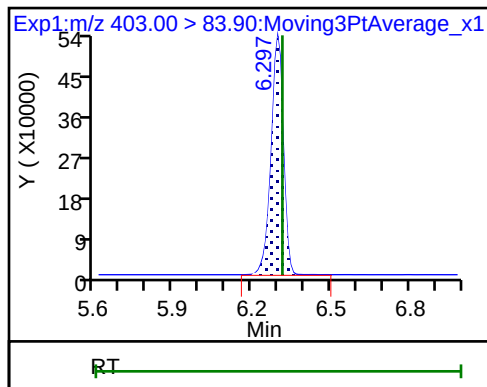
40 PFHxS



* 39 18O2 PFHxS

* 42 13C5 PFNA

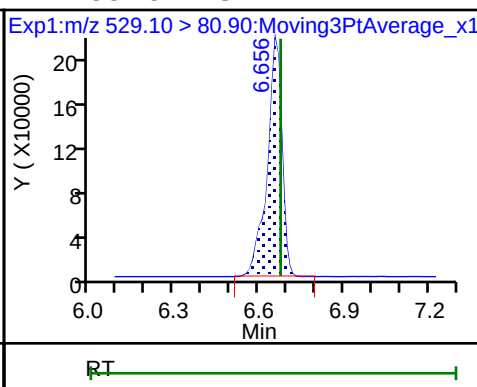
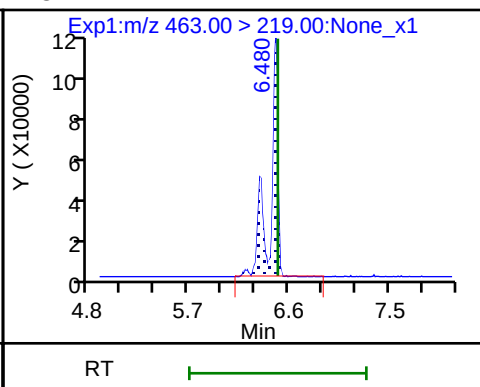
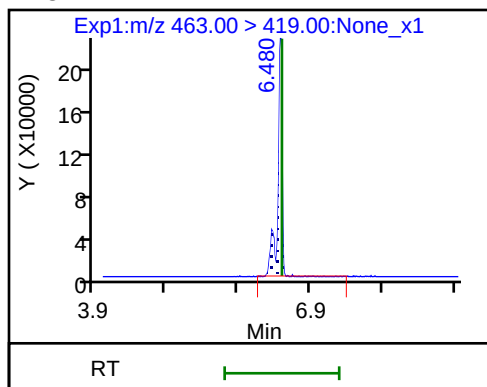
D 41 13C9 PFNA



43 PFNA

43 PFNA

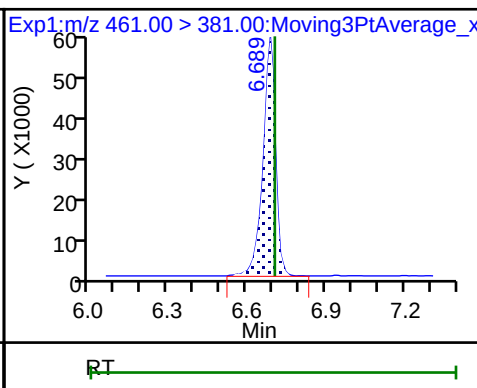
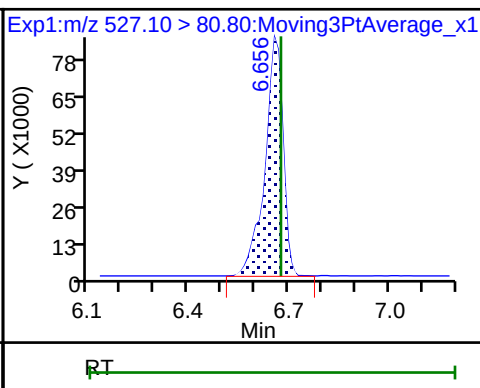
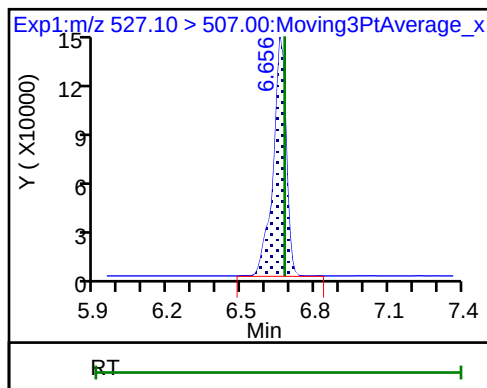
D 44 13C2-8:2FTS



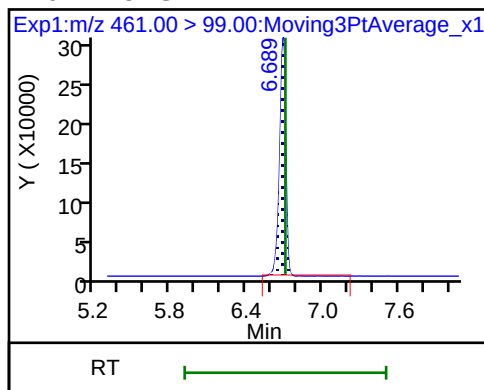
45 8:2FTS

45 8:2FTS

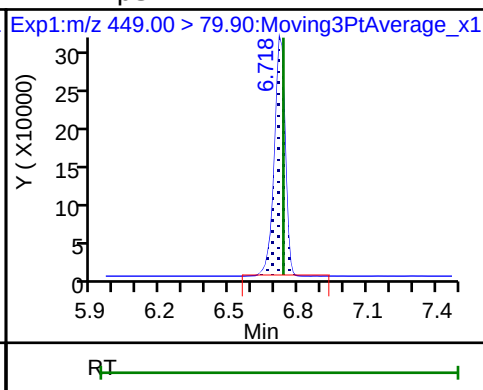
46 PFECHS



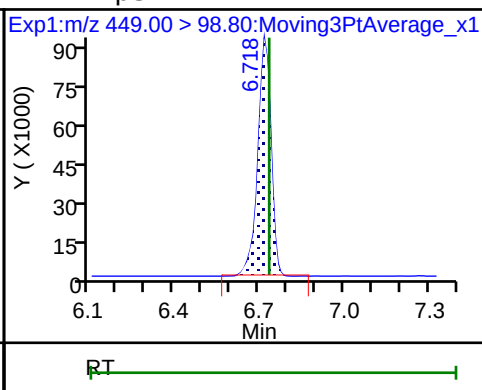
46 PFECHS



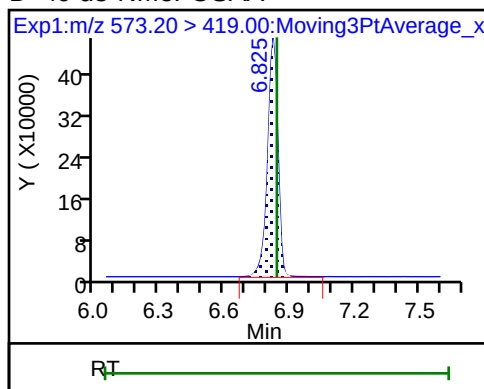
47 PFHpS



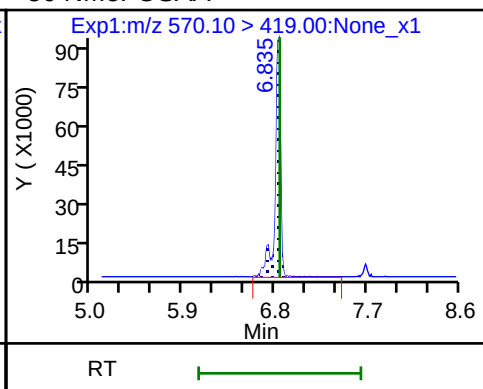
47 PFHpS



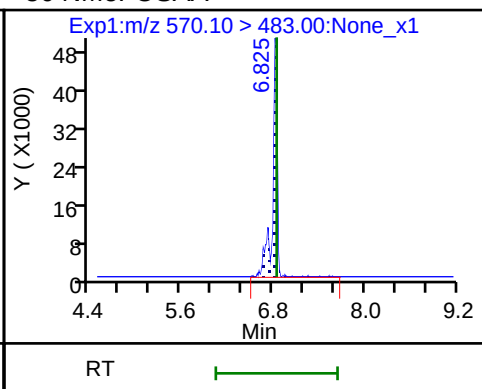
D 49 d3-NMeFOSAA



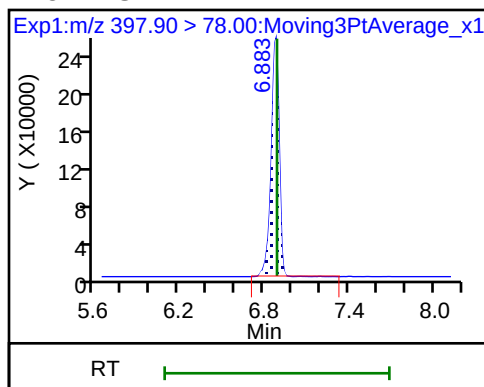
50 NMeFOSAA



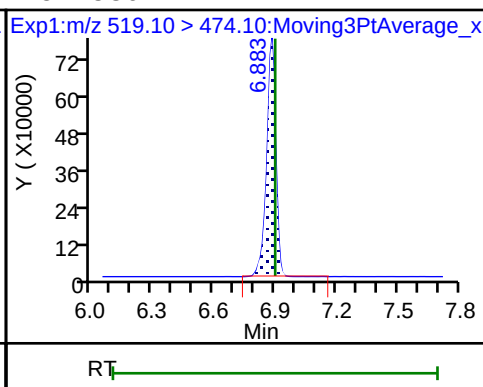
50 NMeFOSAA



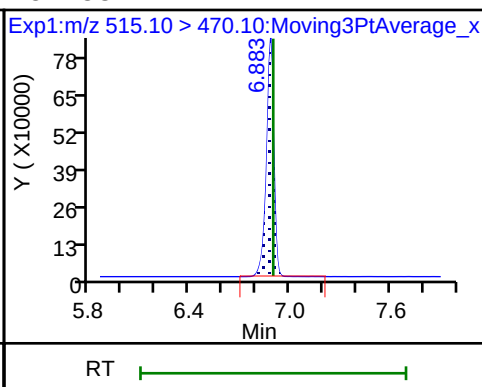
48 FHxSA



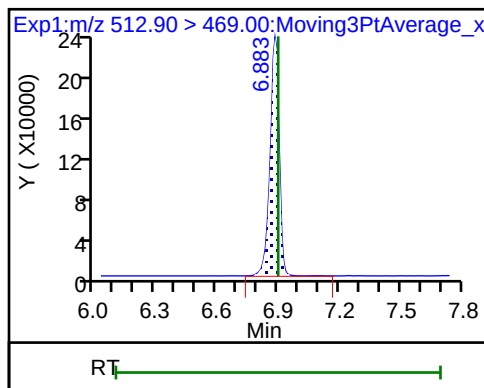
D 52 13C6 PFDA



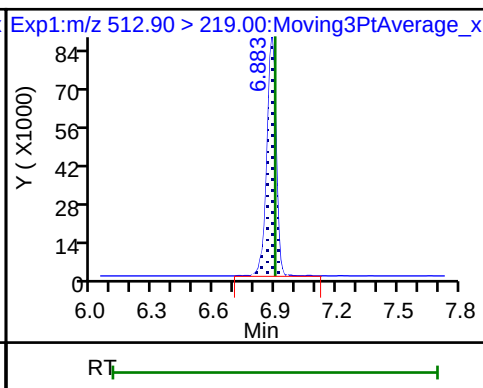
* 51 13C2 PFDA



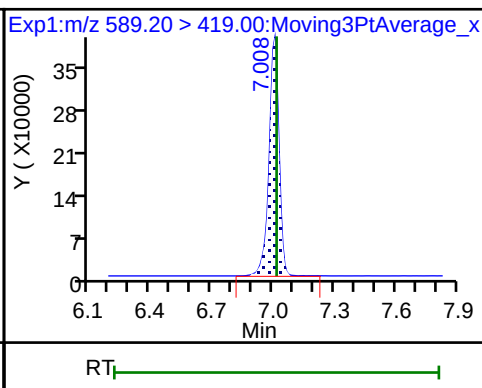
53 PFDA

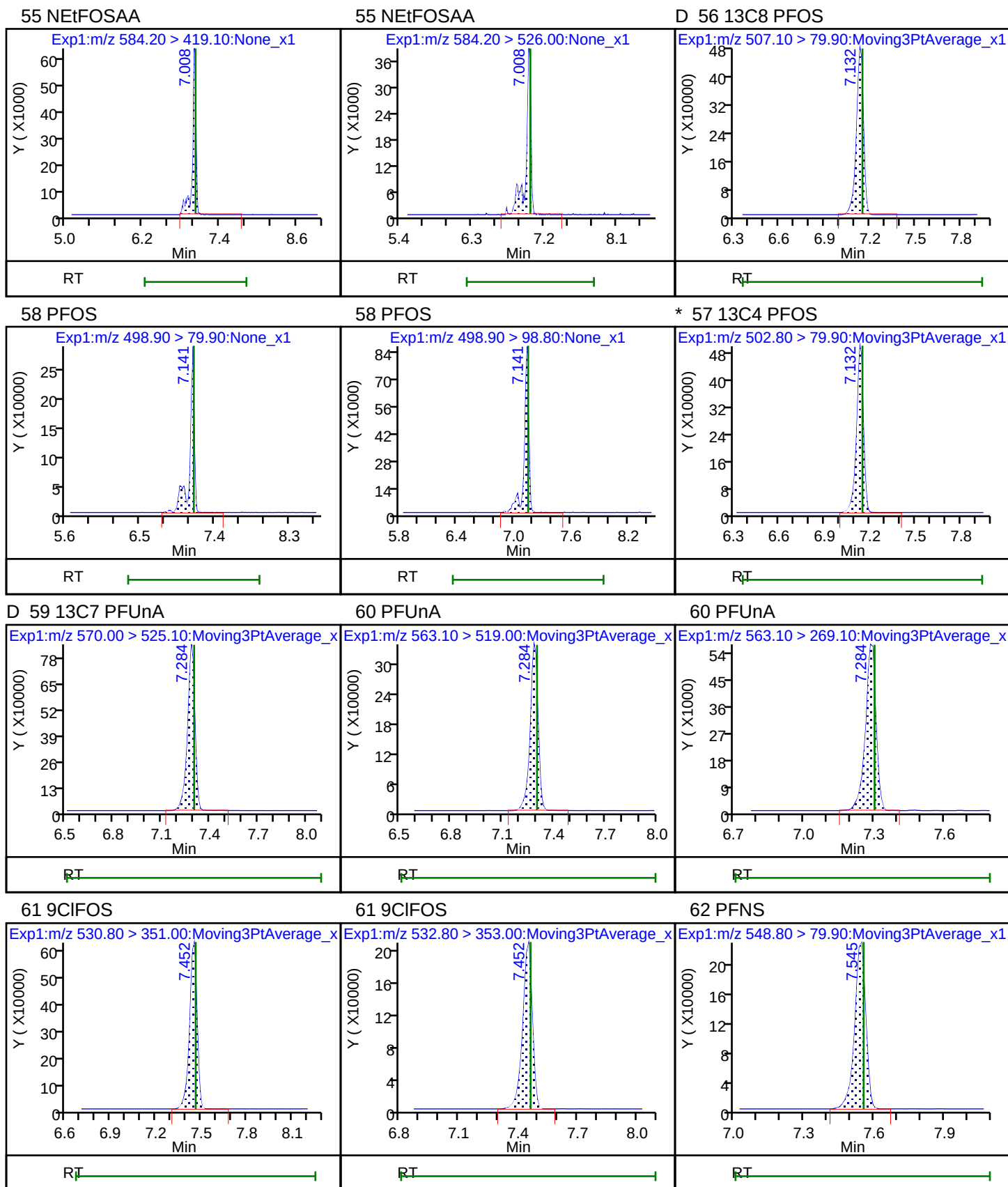


53 PFDA

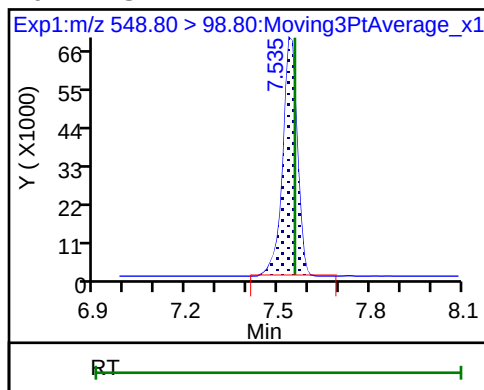


D 54 d5-NEtFOSAA

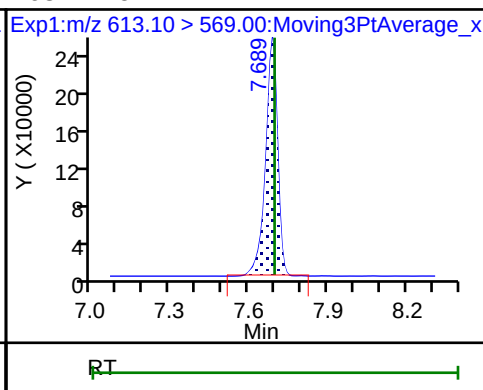




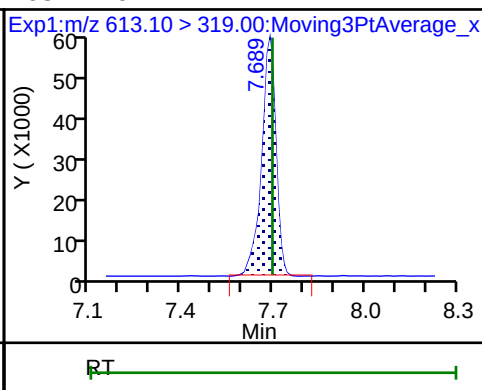
62 PFNS



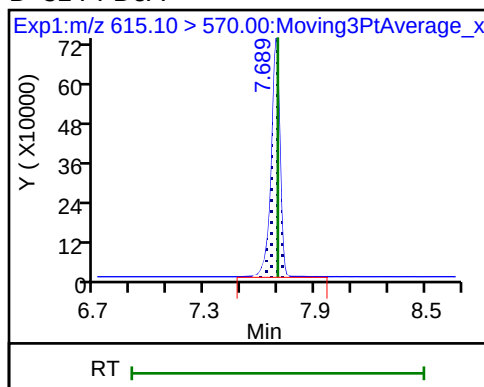
63 PFDaA



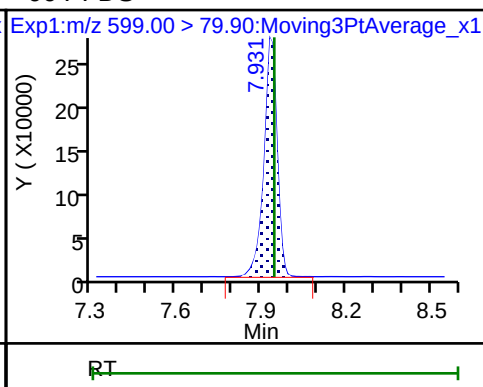
63 PFDaA



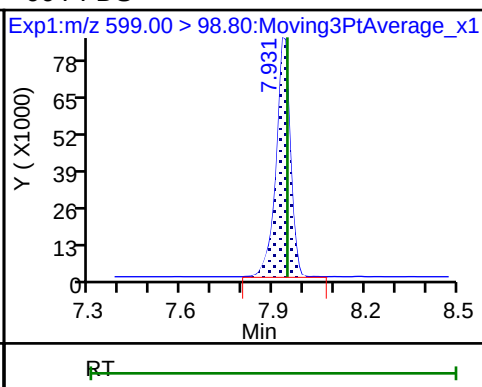
D 81 PFDaA



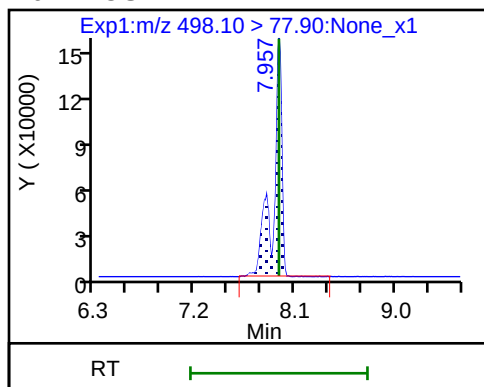
66 PFDS



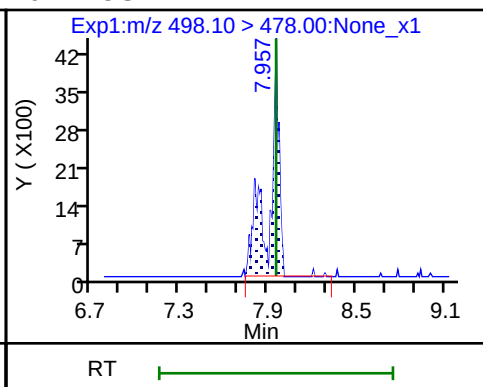
66 PFDS



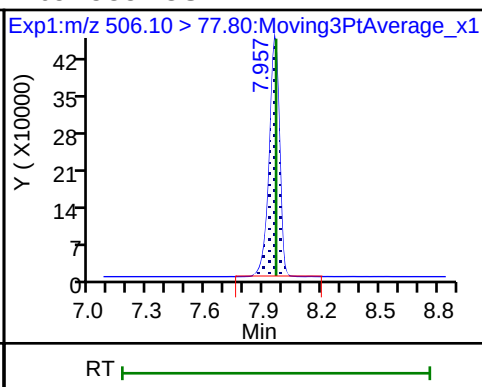
64 PFOSA



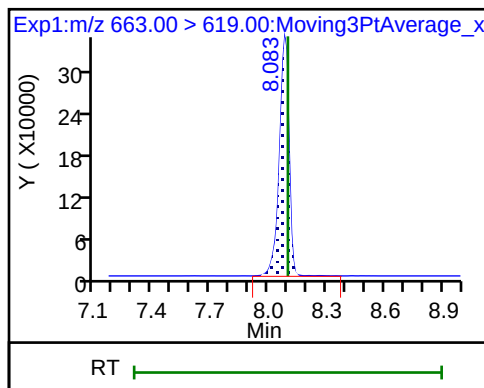
64 PFOSA



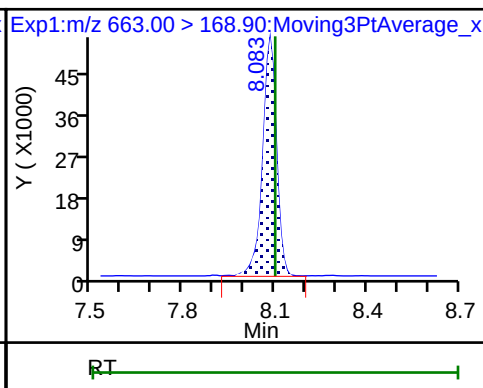
D 65 13C8 FOSA



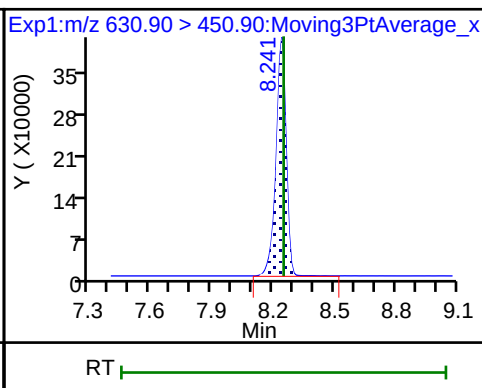
67 PFTTrDA

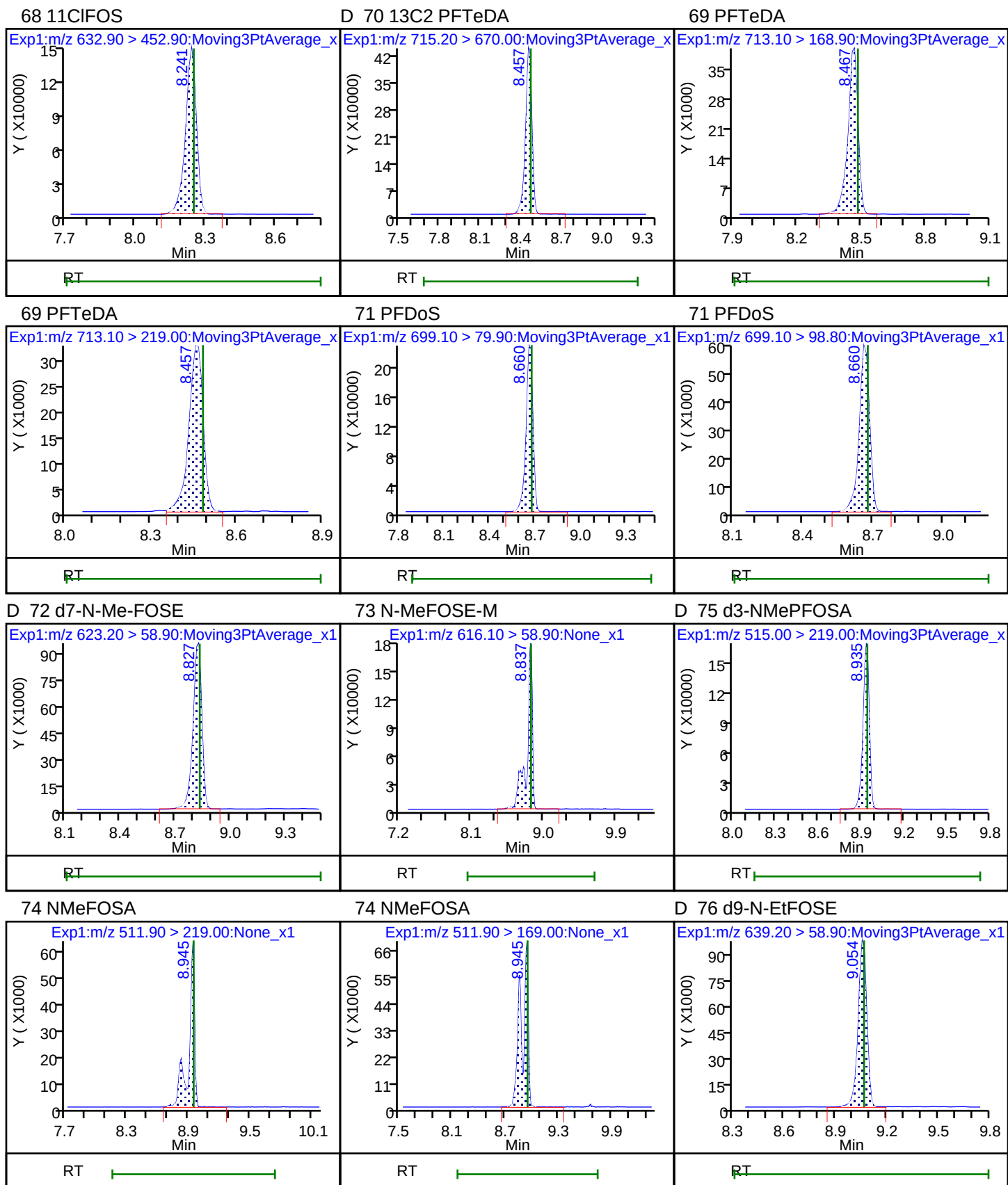


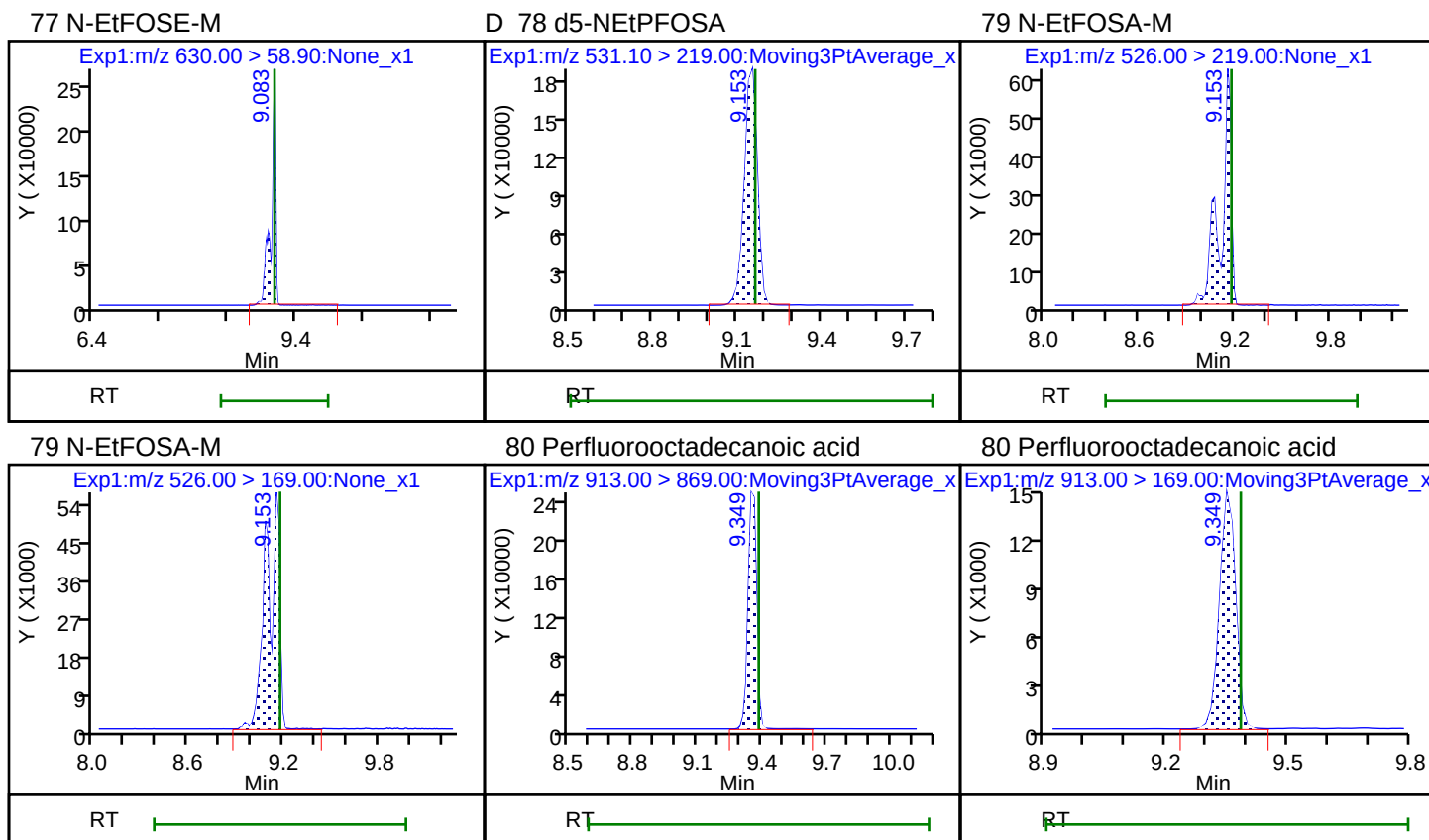
67 PFTTrDA



68 11CIFOS







FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Lab Sample ID: CCV 410-739075/24

Calibration Date: 12/04/2025 22:52

Instrument ID: 30577

Calib Start Date: 12/03/2025 15:58

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 12/03/2025 17:33

Lab File ID: 25DEC04JO-20.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoropropionic acid (PFPrA)	AveID	0.9562	0.9497		4.97	5.00	-1.0	30.0
Perfluorobutanoic acid (PFBA)	AveID	0.9278	0.9155		1.97	2.00	-1.0	30.0
Perfluoro-3-methoxypropanoic acid (PFMPA)	AveID	1.585	1.605		1.01	1.00	1.0	30.0
3:3 FTCA	AveID	0.0732	0.0690		1.89	2.00	-6.0	30.0
Perfluoropentanoic acid (PFPeA)	AveID	2.021	2.051		1.02	1.00	2.0	30.0
Perfluoro-4-methoxybutanoic acid (PFMBA)	AveID	2.070	2.087		1.01	1.00	1.0	30.0
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	AveID	1.849	1.810		1.84	1.88	-2.0	30.0
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	AveID	0.2931	0.2819		0.962	1.00	-4.0	30.0
Perfluorohexanoic acid (PFHxA)	AveID	0.8305	0.7711		0.928	1.00	-7.0	30.0
5:3 FTCA	AveID	0.1021	0.0866		4.24	5.00	-15.0	30.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.034	1.095		0.940	0.888	6.0	30.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.036	1.010		0.731	0.750	-2.0	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	0.7082	0.6806		0.961	1.00	-4.0	30.0
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	AveID	2.969	2.985		0.897	0.892	1.0	30.0
Perfluoroheptanoic acid (PFHpA)	AveID	0.7451	0.7293		0.979	1.00	-2.0	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	3.341	3.338		0.945	0.946	0.0	30.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.176	1.208		0.966	0.940	3.0	30.0
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	AveID	1.818	1.975		2.07	1.90	9.0	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	2.720	2.763		0.994	0.979	2.0	30.0
Perfluorooctanoic acid (PFOA)	AveID	0.5754	0.5931		1.03	1.00	3.0	30.0
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	AveID	0.0511	0.0453		4.44	5.00	-11.0	30.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.004	0.9656		0.877	0.912	-4.0	30.0
Perfluorononanoic acid (PFNA)	AveID	0.8128	0.8280		1.02	1.00	2.0	30.0
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	AveID	1.714	1.753		1.96	1.92	2.0	30.0
Perfluoro-4-ethylcyclohexane sulfonic acid (PFECBS)	AveID	0.2420	0.2381		0.909	0.924	-2.0	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.346	1.338		0.949	0.954	-1.0	30.0
NMeFOSAA	AveID	1.024	1.052		1.03	1.00	3.0	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	1.244	1.133		0.911	1.00	-9.0	30.0
Perfluorodecanoic acid (PFDA)	AveID	0.6022	0.5891		0.978	1.00	-2.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Lab Sample ID: CCV 410-739075/24

Calibration Date: 12/04/2025 22:52

Instrument ID: 30577

Calib Start Date: 12/03/2025 15:58

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 12/03/2025 17:33

Lab File ID: 25DEC04JO-20.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.8386	0.7813		0.932	1.00	-7.0	30.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.503	1.375		0.851	0.930	-8.0	30.0
Perfluoroundecanoic acid (PFUnA)	AveID	0.7939	0.7905		0.996	1.00	0.0	30.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	AveID	2.967	2.846		0.896	0.934	-4.0	30.0
Perfluorononanesulfonic acid (PFNS)	AveID	1.017	0.9458		0.894	0.962	-7.0	30.0
Perfluorododecanoic acid (PFDoA)	AveID	0.7349	0.6548		0.891	1.00	-11.0	30.0
Perfluorodecanesulfonic acid (PFDS)	AveID	1.195	1.133		0.914	0.964	-5.0	30.0
Perfluorooctanesulfonamide	AveID	0.9572	0.9648		1.01	1.00	1.0	30.0
Perfluorotridecanoic acid (PFTrDA)	AveID	1.361	1.315		0.966	1.00	-3.0	30.0
11-Chloroeicosafluoro-3-oxau ndecane-1-sulfonic acid (11Cl-PF30UdS)	AveID	1.971	1.915		0.917	0.944	-3.0	30.0
Perfluorotetradecanoic acid (PFTeDA)	AveID	0.1886	0.2168		1.15	1.00	15.0	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	1.000	0.8870		0.860	0.970	-11.0	30.0
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	AveID	2.741	2.660		4.85	5.00	-3.0	30.0
N-methylperfluorooctane sulfonamide (NMeFOSA)	AveID	0.9942	0.9666		0.972	1.00	-3.0	30.0
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	AveID	3.355	3.700		5.51	5.00	10.0	30.0
N-ethylperfluorooctane sulfonamide (NEtFOSA)	AveID	0.9150	0.8674		0.948	1.00	-5.0	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	1.084	1.164		1.07	1.00	7.0	30.0
13C3 PFPrA	Ave	0.6919	0.6801		1.97	2.00	-2.0	30.0
13C4 PFBA	Ave	1.050	1.044		1.99	2.00	-1.0	30.0
13C5 PFPeA	Ave	0.5406	0.5170		1.91	2.00	-4.0	30.0
M2-4:2 FTS	Ave	0.2277	0.2156		4.44	4.69	-5.0	30.0
13C5 PFHxA	Ave	1.129	1.157		2.05	2.00	3.0	30.0
13C3 PFBS	Ave	1.231	1.091		1.65	1.86	-11.0	30.0
13C3 HFPO-DA	Ave	0.8605	0.8562		1.99	2.00	0.0	30.0
13C4 PFHpA	Ave	1.186	1.140		1.92	2.00	-4.0	30.0
M2-6:2 FTS	Ave	0.1978	0.1732		4.17	4.76	-12.0	30.0
13C8 PFOA	Ave	1.027	0.9882		1.93	2.00	-4.0	30.0
13C3 PFHxS	Ave	1.002	0.9242		1.75	1.90	-8.0	30.0
13C9 PFNA	Ave	0.9792	0.9691		1.98	2.00	-1.0	30.0
13C2 8:2 FTS	Ave	0.1849	0.1735		4.50	4.80	-6.0	30.0
d3-NMeFOSAA	Ave	0.4179	0.4123		4.93	5.00	-1.0	30.0
13C6 PFDA	Ave	1.020	0.9950		1.95	2.00	-2.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-254628-1
Environment Testing, LLC

SDG No.: _____

Lab Sample ID: CCV 410-739075/24 Calibration Date: 12/04/2025 22:52

Instrument ID: 30577 Calib Start Date: 12/03/2025 15:58

GC Column: Gemini C18 50mm ID: 3.00 (mm) Calib End Date: 12/03/2025 17:33

Lab File ID: 25DEC04JO-20.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d5-NEtFOSAA	Ave	0.3695	0.3728		5.05	5.00	1.0	30.0
13C8 PFOS	Ave	1.004	1.025		1.96	1.92	2.0	30.0
13C7 PFUnA	Ave	1.114	1.130		2.03	2.00	1.0	30.0
13C2 PFDoA	Ave	1.021	1.023		2.00	2.00	0.0	30.0
13C8 FOSA	Ave	1.174	1.095		1.87	2.00	-7.0	30.0
13C2 PFTeDA	Ave	0.6354	0.5419		1.71	2.00	-15.0	30.0
d7-N-MeFOSE-M	Ave	0.0854	0.0799		4.68	5.00	-6.0	30.0
d3-NMePFOSA	Ave	0.3381	0.3270		1.93	2.00	-3.0	30.0
d9-N-EtFOSE-M	Ave	0.1017	0.0886		4.36	5.00	-13.0	30.0
d5-NEtPFOSA	Ave	0.4089	0.3976		1.94	2.00	-3.0	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30577\20251204-168875.b\25DEC04JO-20.d
 Lims ID: CCV 4_CAL4
 Client ID:
 Sample Type: CCV
 Inject. Date: 04-Dec-2025 22:52:00 ALS Bottle#: 5 Worklist Smp#: 24
 Injection Vol: 7.0 ul Dil. Factor: 1.0000
 Sample Info: CCV 2_CAL4
 Misc. Info.: Plate: 1 Rack: 1 410-0168875-002
 Operator ID: ETUS023_USR_INS00009 Instrument ID: 30577
 Sublist: chrom-30577-1633-125*sub7
 Method: \\chromfs\Lancaster\ChromData\30577\20251204-168875.b\30577-1633-125.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 04-Dec-2025 23:37:26 Calib Date: 03-Dec-2025 17:33:28
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\25DEC03CAL-08.d

Column 1 : Det: EXP1
 Process Host: CTX1687

First Level Reviewer: XBL5 Date: 04-Dec-2025 23:35:27

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	2.048	2.039	0.009	0.493	1085028	1.97		98.3	2623	
2 Perfluoropropionic acid										
163.00 > 119.00	2.039	2.056	-0.017	0.996	2576165	4.97		99.3	13383	
3 PFBA										
212.80 > 168.90	4.150	4.132	0.018	0.998	1524259	1.97		98.7	12856	
D 4 13C4-PFBA										
216.80 > 171.90	4.157	4.132	0.025	1.000	1664964	1.99		99.4	8472	
* 5 13C3PFBA										
216.00 > 172.00	4.157	4.138	0.019		1595455	2.00			3622	
6 PFMPA										
229.00 > 84.90	4.499	4.475	0.024	0.931	744375	1.01		101	3047	
7 3:3 FTCA										
241.00 > 177.00	4.516	4.499	0.017	0.935	63987	1.89	Target=1.11	94.3	783	
241.00 > 117.00	4.516	4.499	0.017	0.935	56383		1.13(0.56-1.67)		267	
9 PFPA										
263.00 > 219.00	4.832	4.817	0.015	1.000	951576	1.02		102	758	
D 8 13C5 PFPeA										
268.30 > 223.00	4.832	4.817	0.015	0.914	927709	1.91		95.6	5175	
10 PFMBA										
279.00 > 85.10	4.980	4.963	0.017	1.031	967923	1.01		101	4813	
12 4:2FTS										
327.10 > 307.00	5.106	5.085	0.021	1.000	709691	1.84	Target=1.70	97.9	4702	
327.10 > 80.90	5.106	5.085	0.021	1.000	422807		1.68(0.85-2.55)		611	
D 11 13C2-4:2FTS										
329.10 > 80.90	5.106	5.085	0.021	0.809	980217	4.44		94.7	5654	

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	5.229	0.021	0.993	292754	0.9620	Target=1.56	96.2	3085	
295.00 > 84.90	5.250	5.229	0.021	0.993	180376		1.62(0.78-2.34)		1192	
D 15 13C5 PFHxA										
318.00 > 273.00	5.288	5.270	0.018	1.000	2076853	2.05		103	5669	
* 16 13C2 PFHxA										
315.10 > 270.00	5.288	5.270	0.018		4486056	5.00			9416	
17 PFHxA										
313.00 > 269.00	5.288	5.270	0.018	1.000	800712	0.9284	Target=10.34	92.8	2753	
313.00 > 118.90	5.288	5.270	0.018	1.000	90273		8.87(5.17-15.52)		727	
18 5:3 FTCA										
341.00 > 237.10	5.378	5.358	0.020	1.017	449774	4.24	Target=0.69	84.8	1147	
341.00 > 217.00	5.378	5.358	0.020	1.017	690503		0.65(0.35-1.04)		517	
D 19 13C3 PFBS										
302.10 > 79.90	5.410	5.400	0.010	0.857	1972188	1.65		88.7	5808	
20 PFBS										
298.70 > 79.90	5.420	5.400	0.020	1.002	1028574	0.9405	Target=2.94	106	3910	
298.70 > 98.80	5.420	5.400	0.020	1.002	347480		2.96(1.47-4.41)		2554	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.464	5.454	0.010	1.033	1536346	1.99		99.5	6847	
23 HFPO-DA										
284.90 > 168.90	5.475	5.454	0.021	1.002	581774	0.7313	Target=2.33	97.5	2307	
284.90 > 184.90	5.475	5.454	0.021	1.002	248261		2.34(1.16-3.49)		2690	
21 FBSA										
297.90 > 78.00	5.509	5.487	0.022	1.018	720132	0.9611		96.1	1522	
26 PFEESA										
314.80 > 134.90	5.650	5.640	0.010	1.069	2764614	0.8968	Target=13.08	101	11591	
314.80 > 82.90	5.650	5.640	0.010	1.069	197139		14.02(6.54-19.62)		1306	
D 28 13C4 PFHpA										
367.10 > 322.00	5.707	5.684	0.023	1.079	2044954	1.92		96.1	7132	
27 PFHpA										
363.10 > 319.00	5.707	5.684	0.023	1.000	745739	0.9788	Target=1.78	97.9	1760	
363.10 > 169.00	5.707	5.684	0.023	1.000	447228		1.67(0.89-2.67)		1953	
29 ADONA										
376.90 > 250.90	5.864	5.842	0.022	1.073	2425908	0.9452	Target=2.07	99.9	3242	
376.90 > 84.80	5.864	5.842	0.022	1.073	1149818		2.11(1.04-3.11)		3645	
30 PFPeS										
349.10 > 79.90	5.886	5.876	0.010	0.931	1017612	0.9656	Target=3.11	103	3084	
349.10 > 98.90	5.886	5.876	0.010	0.931	321337		3.17(1.56-4.67)		2101	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.909	5.887	0.022	0.936	799177	4.17		87.5	3233	
31 6:2FTS										
427.10 > 407.00	5.909	5.887	0.022	1.000	631218	2.07	Target=1.69	109	162	
427.10 > 80.90	5.909	5.887	0.022	1.000	372076		1.70(0.85-2.54)		152	
33 BTS										
280.00 > 147.00	6.045	6.024	0.021	0.956	2423639	0.99		102	6728	
* 34 13C4 PFOA										
417.10 > 372.00	6.102	6.093	0.009		6978047	5.00			3983	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 35 13C8 PFOA										
421.10 > 376.00	6.102	6.093	0.009	1.000	2758358	1.93		96.3	4161	
36 PFOA										
413.00 > 369.00	6.102	6.093	0.009	1.000	818060	1.03	Target=1.59	103	797	
413.00 > 169.00	6.111	6.093	0.018	1.001	480288		1.70(0.80-2.39)		659	
37 7:3 FTCA										
441.00 > 316.90	6.203	6.204	-0.001	1.173	235460	4.44	Target=0.30	88.8	1100	
441.00 > 336.90	6.203	6.204	-0.001	1.173	862444		0.27(0.15-0.45)		1285	
D 38 13C3 PFHxS										
402.10 > 79.90	6.325	6.306	0.019	1.002	1698863	1.75		92.3	4944	
40 PFHxS										
398.70 > 79.90	6.325	6.315	0.010	1.000	789037	0.8772	Target=3.25	96.2	1609	
398.70 > 98.90	6.315	6.315	0.0	0.998	263965		2.99(1.63-4.88)		360	
* 39 18O2 PFHxS										
403.00 > 83.90	6.315	6.315	0.0		1838205	1.90			5465	
* 42 13C5 PFNA										
468.00 > 423.00	6.501	6.488	0.013		2417526	2.00			5378	
D 41 13C9 PFNA										
472.10 > 427.00	6.501	6.488	0.013	1.000	2342934	1.98		99.0	4942	
43 PFNA										
463.00 > 419.00	6.501	6.499	0.002	1.000	969942	1.02	Target=1.99	102	1009	
463.00 > 219.00	6.511	6.499	0.012	1.002	474423		2.04(1.00-2.99)		452	
D 44 13C2-8:2FTS										
529.10 > 80.90	6.688	6.676	0.012	1.059	807460	4.50		93.8	3226	
45 8:2FTS										
527.10 > 507.00	6.688	6.676	0.012	1.000	566068	1.96	Target=1.75	102	2972	
527.10 > 80.80	6.678	6.676	0.002	0.998	323765		1.75(0.88-2.63)		1221	
46 PFECHS										
461.00 > 381.00	6.708	6.705	0.003	1.061	197093	0.9091	Target=0.21	98.4	727	
461.00 > 99.00	6.708	6.705	0.003	1.061	1019534		0.19(0.10-0.31)		3505	
47 PFHpS										
449.00 > 79.90	6.747	6.735	0.012	0.943	1008785	0.9487	Target=3.35	99.4	3128	
449.00 > 98.80	6.747	6.735	0.012	0.943	306876		3.29(1.68-5.03)		1844	
D 49 d3-NMeFOSAA										
573.20 > 419.00	6.845	6.843	0.002	0.956	1588929	4.93		98.7	3482	
50 NMeFOSAA										
570.10 > 419.00	6.845	6.843	0.002	1.000	334321	1.03	Target=1.72	103	98.4	
570.10 > 483.00	6.845	6.843	0.002	1.000	193259		1.73(0.86-2.58)		448	
48 FHxSA										
397.90 > 78.00	6.883	6.890	-0.007	1.088	1015206	0.9110		91.1	2036	
D 52 13C6 PFDA										
519.10 > 474.10	6.901	6.899	0.002	0.999	2361961	1.95		97.5	5888	
* 51 13C2 PFDA										
515.10 > 470.10	6.909	6.899	0.010		2373912	2.00			4808	
53 PFDA										
512.90 > 469.00	6.901	6.899	0.002	1.000	695694	0.9782	Target=2.79	97.8	2256	
512.90 > 219.00	6.909	6.899	0.010	1.001	242865		2.86(1.39-4.18)		1474	

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	7.027	7.016	0.011	0.982	1436870	5.05		101	3152	
55 NEtFOSAA										
584.20 > 419.10	7.027	7.025	0.002	1.000	224511	0.9316	Target=1.36	93.2	488	
584.20 > 526.00	7.027	7.025	0.002	1.000	169734		1.32(0.68-2.04)		318	
D 56 13C8 PFOS										
507.10 > 79.90	7.158	7.148	0.010	1.000	1514022	1.96		102	1891	
58 PFOS										
498.90 > 79.90	7.158	7.148	0.010	1.000	1010755	0.8512	Target=4.13	91.5	1558	
498.90 > 98.80	7.158	7.148	0.010	1.000	255860		3.95(2.07-6.20)		687	
* 57 13C4 PFOS										
502.80 > 79.90	7.158	7.148	0.010		1476955	1.92			6156	
D 59 13C7 PFUnA										
570.00 > 525.10	7.302	7.301	0.001	1.057	2683203	2.03		101	6454	
60 PFUnA										
563.10 > 519.00	7.302	7.301	0.001	1.000	1060574	1.00	Target=6.23	99.6	3720	
563.10 > 269.10	7.312	7.301	0.011	1.001	188136		5.64(3.12-9.35)		972	
61 9ClFOS										
530.80 > 351.00	7.463	7.462	0.001	1.043	2100226	0.8958	Target=3.01	95.9	6007	
532.80 > 353.00	7.463	7.462	0.001	1.043	689798		3.04(1.50-4.51)		2354	
62 PFNS										
548.80 > 79.90	7.555	7.554	0.001	1.056	718983	0.8945	Target=3.21	93.0	3804	
548.80 > 98.80	7.565	7.554	0.011	1.057	213434		3.37(1.61-4.82)		1542	
63 PFDoA										
613.10 > 569.00	7.707	7.697	0.010		795296	0.8910	Target=4.51	89.1	2592	
613.10 > 319.00	7.707	7.697	0.010		188471		4.22(2.25-6.76)		964	
D 81 PFDoA										
615.10 > 570.00	7.707	7.697	0.010	1.116	2429110	2.00		100	5469	
66 PFDS										
599.00 > 79.90	7.957	7.946	0.011	1.112	863381	0.9142	Target=3.42	94.8	3488	
599.00 > 98.80	7.957	7.946	0.011	1.112	269953		3.20(1.71-5.12)		1263	
64 PFOSA										
498.10 > 77.90	7.957	7.955	0.002	0.999	814354	1.01	Target=43.61	101	1866	
498.10 > 478.00	7.957	7.955	0.002	0.999	21195		38.42(21.80-65.41)		29.0	
D 65 13C8 FOSA										
506.10 > 77.80	7.966	7.964	0.002	1.113	1688070	1.87		93.3	4418	
67 PFTrDA										
663.00 > 619.00	8.101	8.099	0.002	0.956	1221577	0.9662	Target=7.60	96.6	4871	
663.00 > 168.90	8.101	8.099	0.002	0.956	181036		6.75(3.80-11.40)		1179	
68 11ClFOS										
630.90 > 450.90	8.253	8.250	0.003	1.153	1428146	0.9167	Target=3.18	97.1	4755	
632.90 > 452.90	8.253	8.250	0.003	1.153	465062		3.07(1.59-4.76)		3370	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.476	8.474	0.002	1.227	1286516	1.71		85.3	3278	
69 PFTeDA										
713.10 > 168.90	8.476	8.483	-0.007	1.000	139486	1.15	Target=1.14	115	1309	
713.10 > 219.00	8.476	8.483	-0.007	1.000	113395		1.23(0.57-1.70)		789	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
71 PFDoS										
699.10 > 79.90	8.682	8.677	0.005	1.213	679904	0.8604	Target=3.63	88.7	2802	
699.10 > 98.80	8.682	8.677	0.005	1.213	178511		3.81(1.81-5.44)		2204	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.828	8.833	-0.005	1.233	307998	4.68		93.5	523	
73 N-MeFOSE-M										
616.10 > 58.90	8.838	8.843	-0.005	1.001	819346	4.85		97.1	1037	
D 75 d3-NMePFOSA										
515.00 > 219.00	8.936	8.941	-0.005	1.248	504187	1.93		96.7	2078	
74 NMeFOSA										
511.90 > 219.00	8.946	8.950	-0.004	1.001	243664	0.9722	Target=0.68	97.2	1236	
511.90 > 169.00	8.946	8.950	-0.004	1.001	354319		0.69(0.34-1.02)		521	
D 76 d9-N-EtFOSE										
639.20 > 58.90	9.055	9.065	-0.010	1.265	341323	4.36		87.1	564	
77 N-EtFOSE-M										
630.00 > 58.90	9.084	9.079	0.005	1.003	1262777	5.51		110	3431	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.154	9.163	-0.009	1.279	612936	1.94		97.2	2523	
79 N-EtFOSA-M										
526.00 > 219.00	9.168	9.177	-0.009	1.001	265824	0.9479	Target=0.84	94.8	1389	
526.00 > 169.00	9.154	9.177	-0.023	1.000	317500		0.84(0.42-1.26)		830	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.375	9.384	-0.009	1.106	748924	1.07	Target=15.84	107	8608	
913.00 > 169.00	9.375	9.384	-0.009	1.106	45263		16.55(7.92-23.77)		2117	

QC Flag Legend

Processing Flags

Reagents:

1633_125_CAL4_00077

Amount Added: 1.00

Units: mL

Data File: \\chromfs\Lancaster\ChromData\30577\20251204-168875.b\25DEC04JO-20.d

Injection Date: 04-Dec-2025 22:52:00

Instrument ID: 30577

Lims ID: CCV 4_CAL4

Client ID:

Operator ID: ETUS023_USR_INS00009

ALS Bottle#: 5

Worklist Smp#: 24

Injection Vol: 7.0 ul

Dil. Factor: 1.0000

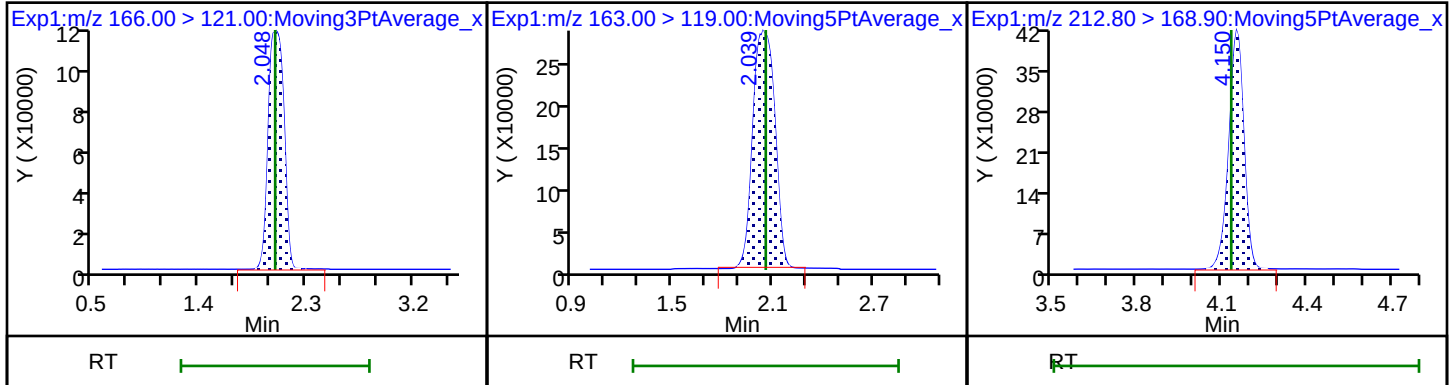
Method: 30577-1633-125

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid

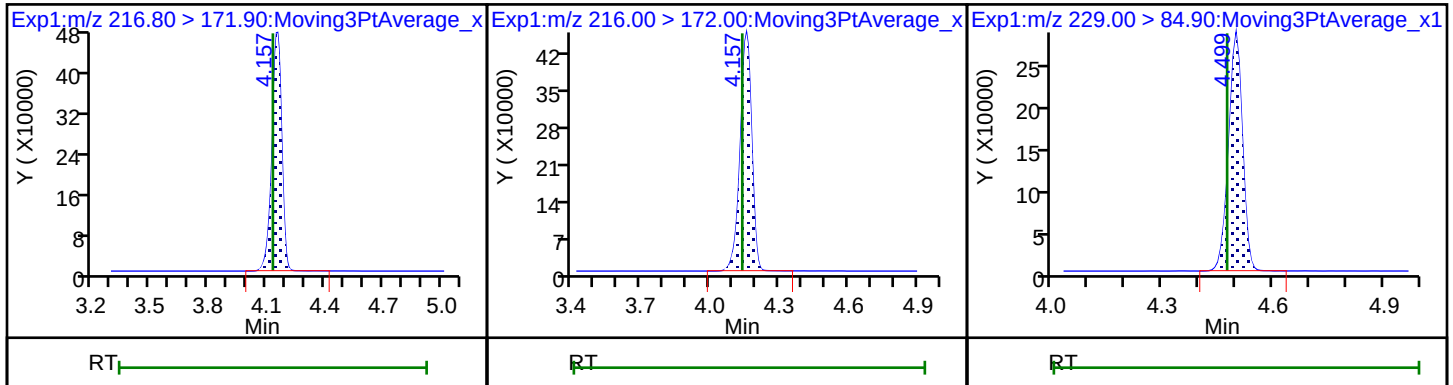
3 PFBA



D 4 13C4-PFBA

* 5 13C3PFBA

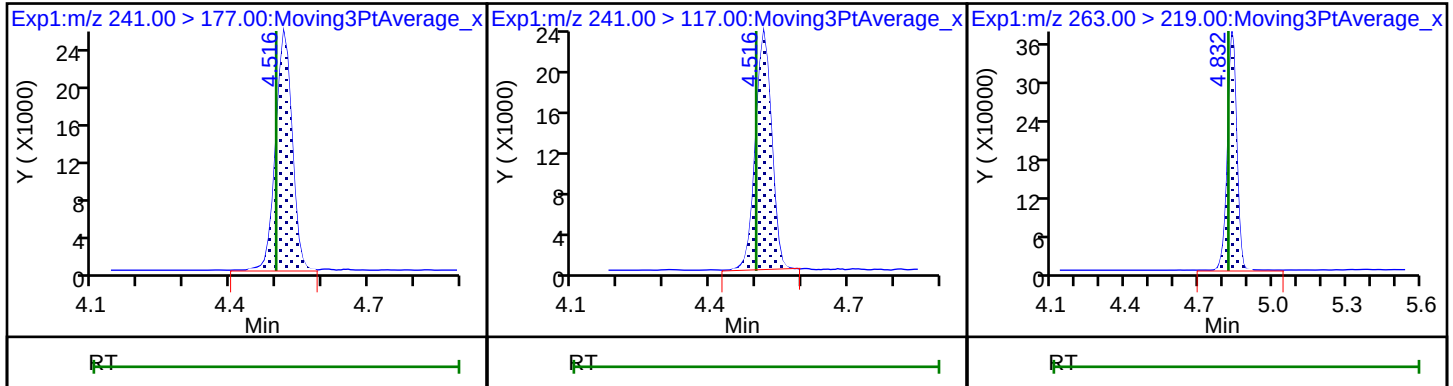
6 PFMPA



7 3:3 FTCA

7 3:3 FTCA

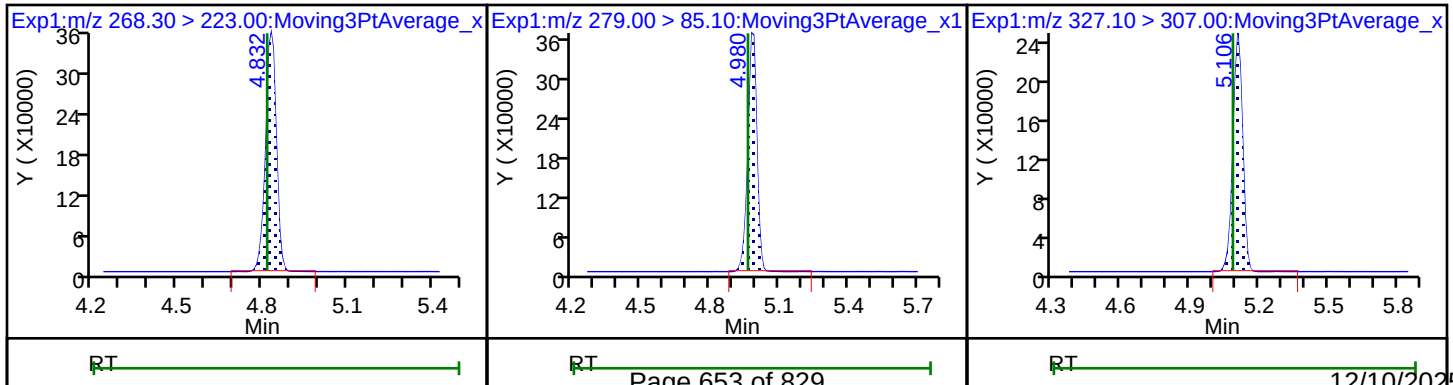
9 PFPA

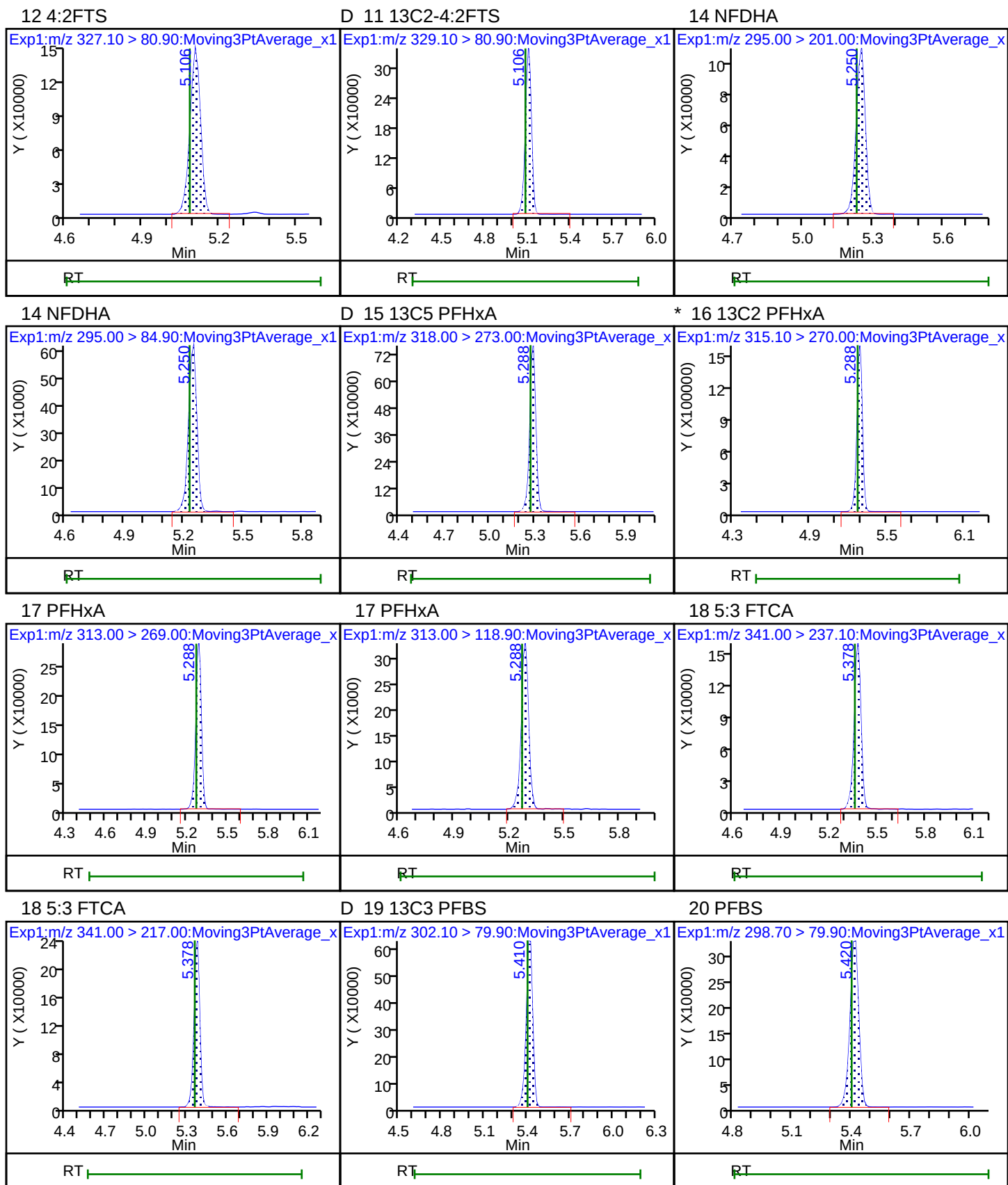


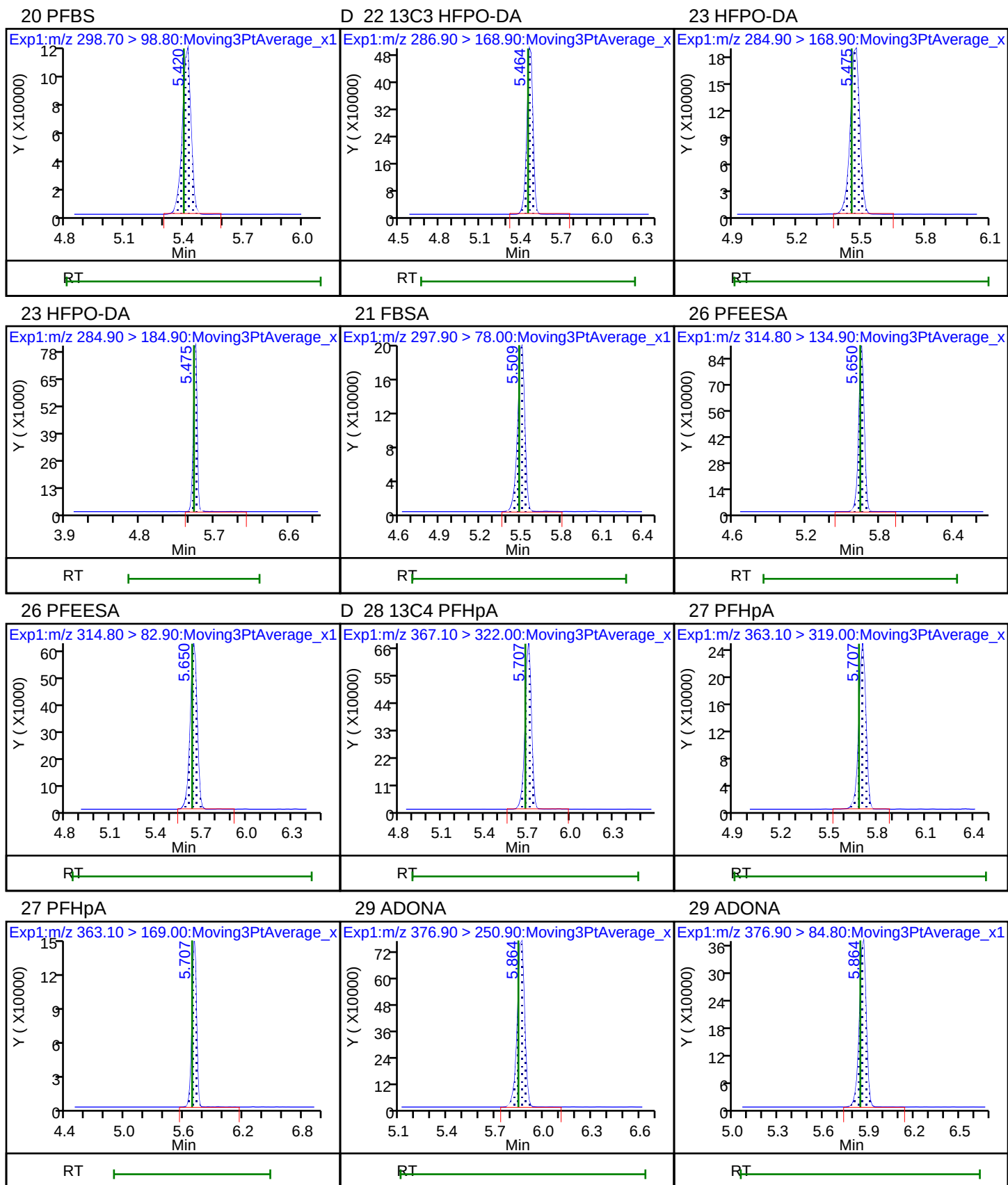
D 8 13C5 PFPeA

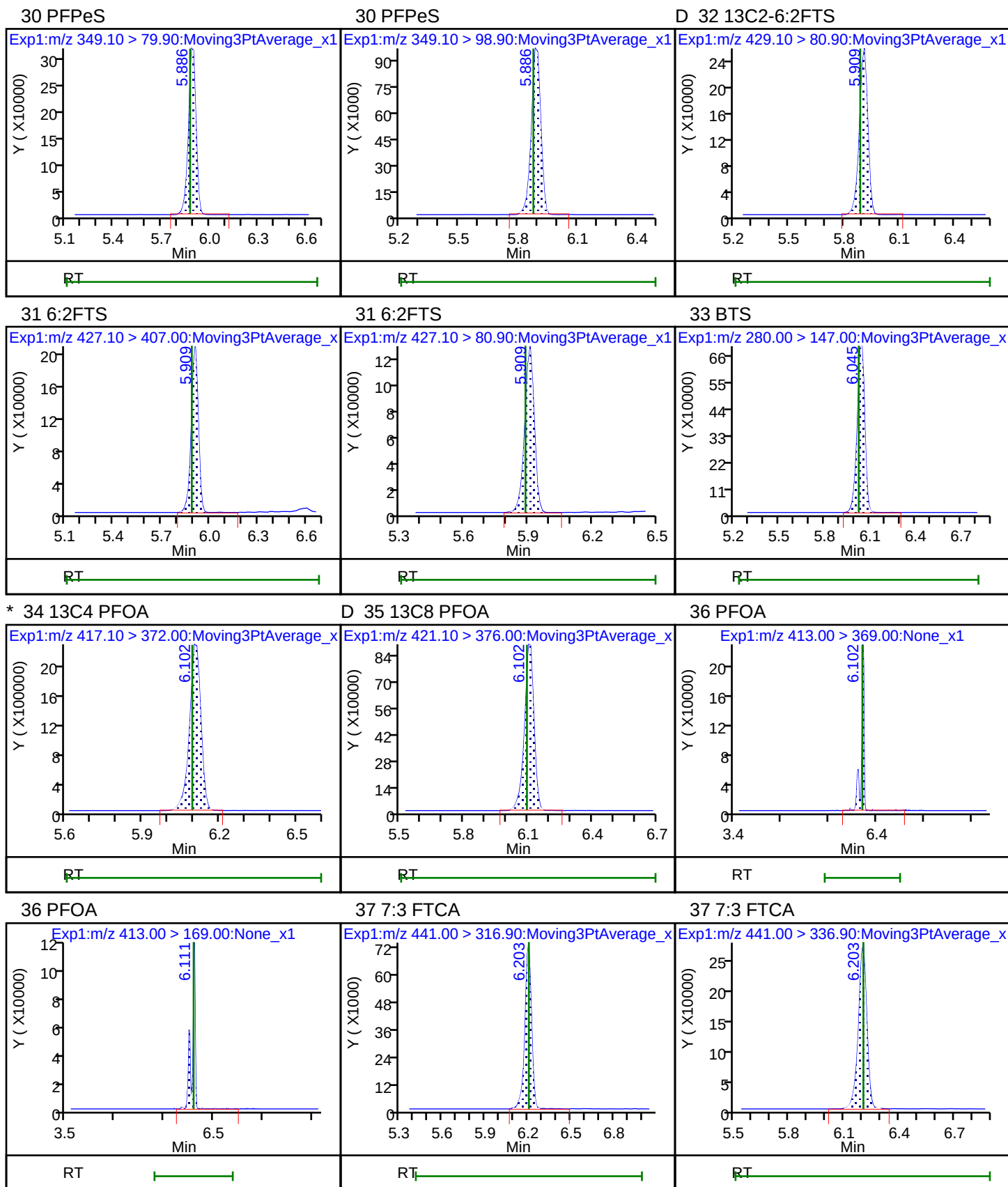
10 PFMB A

12 4:2FTS





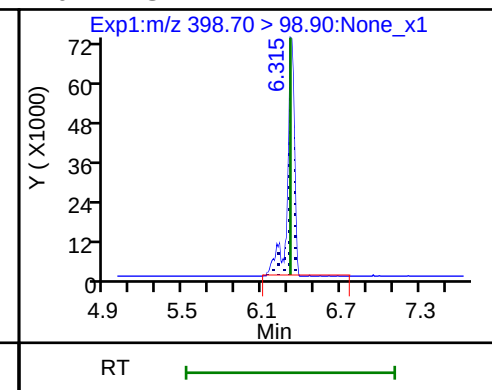
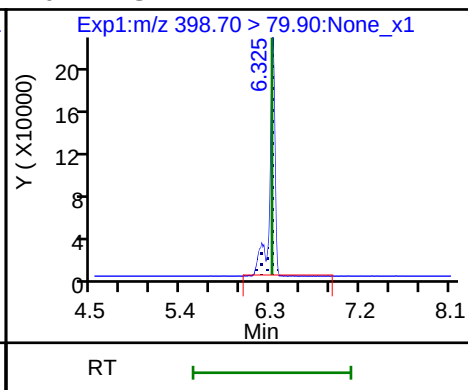
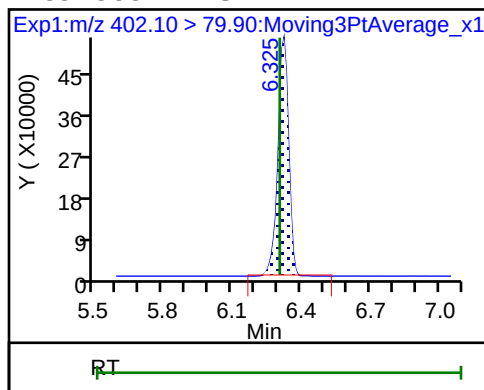




D 38 13C3 PFHxS

40 PFHxS

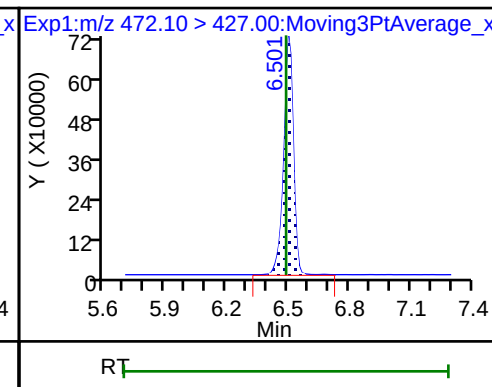
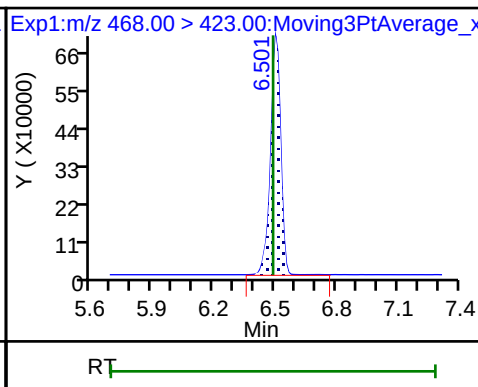
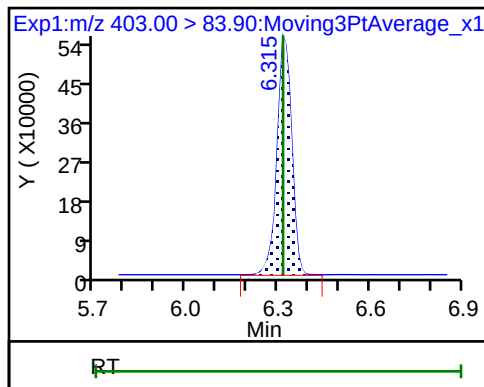
40 PFHxS



* 39 18O2 PFHxS

* 42 13C5 PFNA

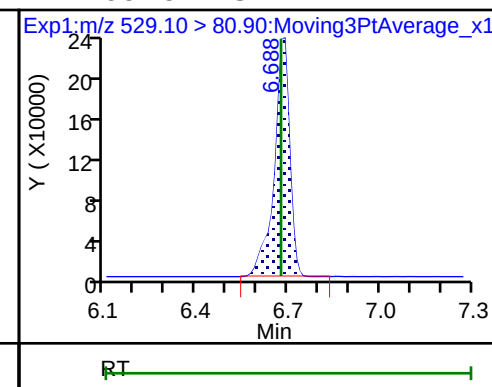
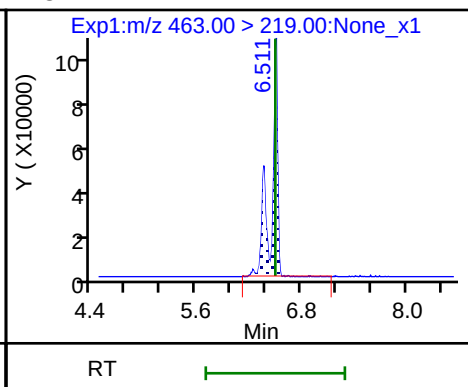
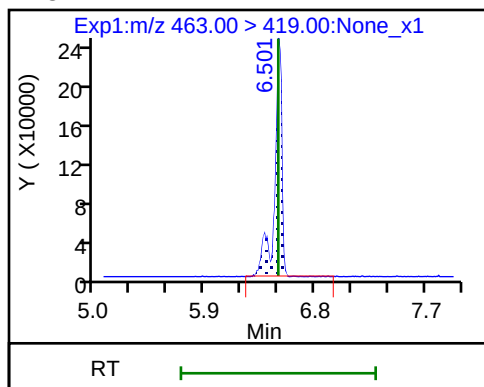
D 41 13C9 PFNA



43 PFNA

43 PFNA

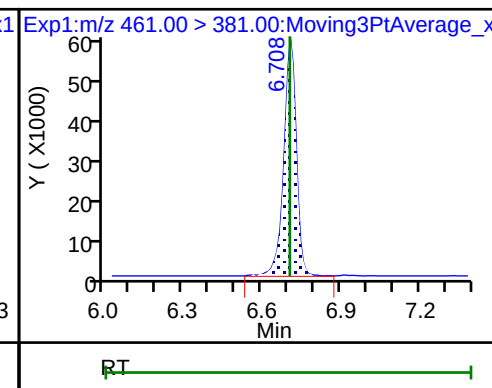
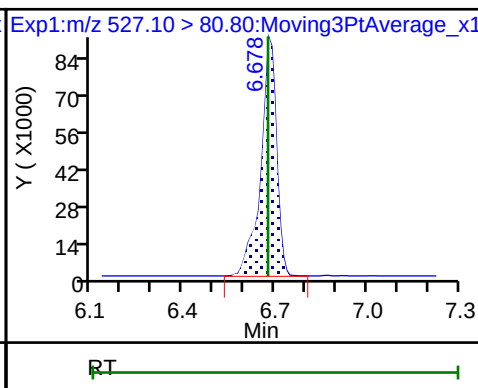
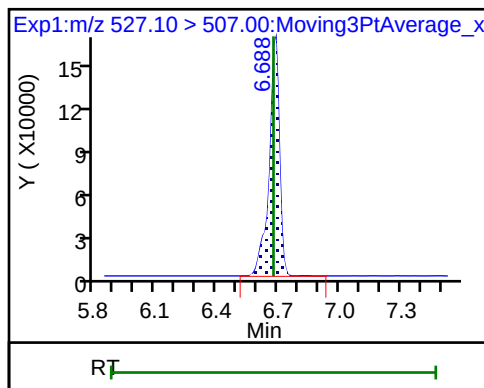
D 44 13C2-8:2FTS



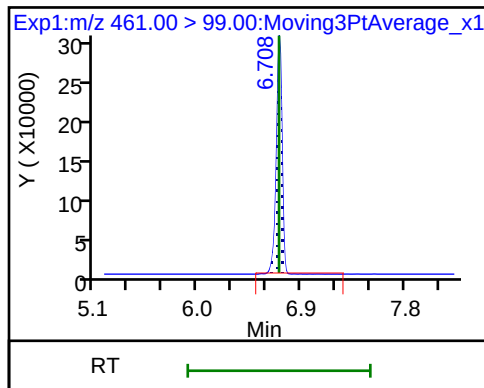
45 8:2FTS

45 8:2FTS

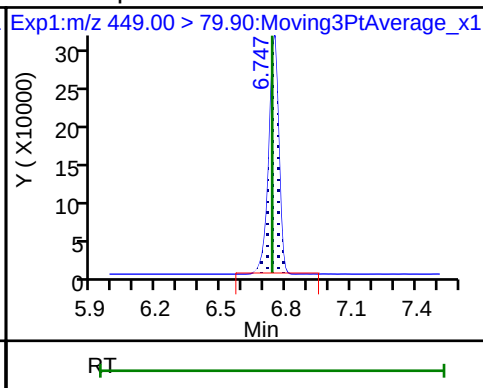
46 PFECHS



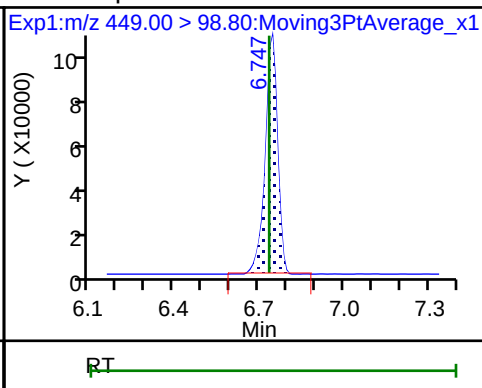
46 PFECHS



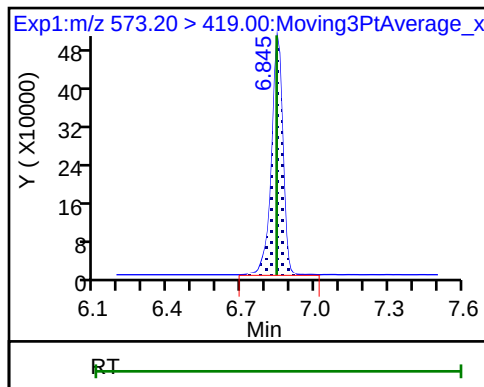
47 PFHpS



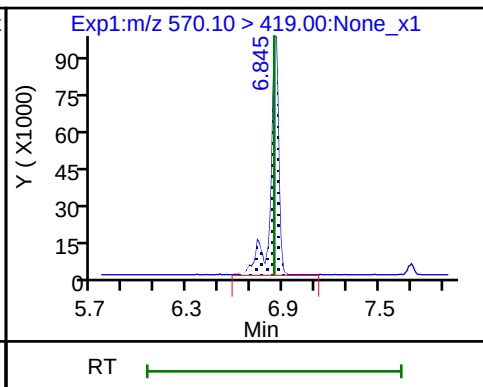
47 PFHpS



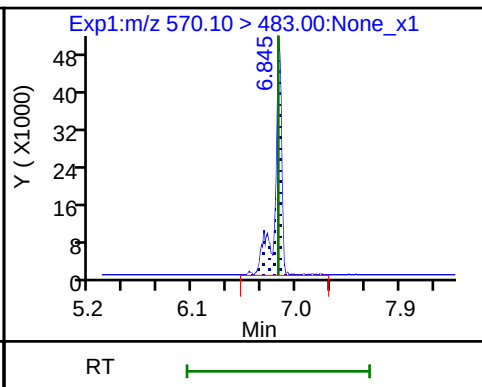
D 49 d3-NMeFOSAA



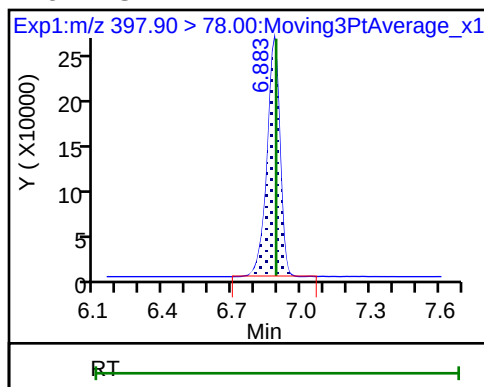
50 NMeFOSAA



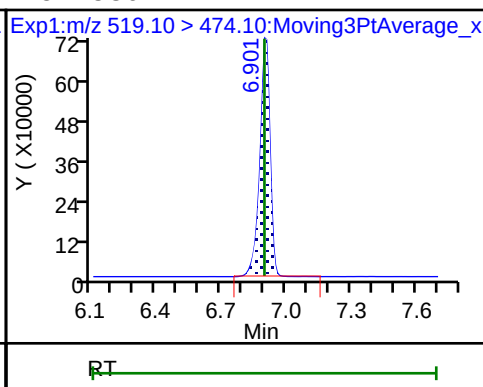
50 NMeFOSAA



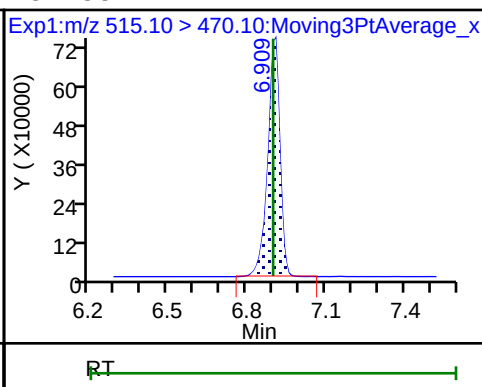
48 FHxSA



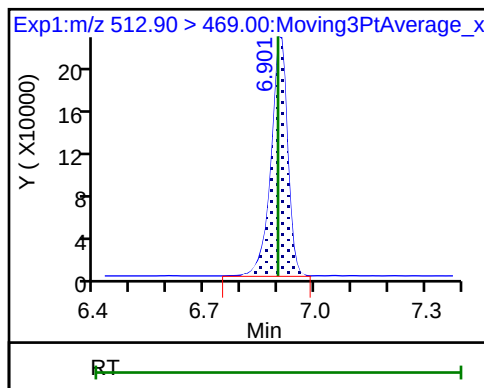
D 52 13C6 PFDA



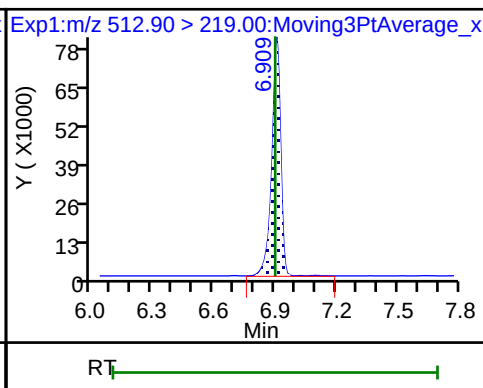
* 51 13C2 PFDA



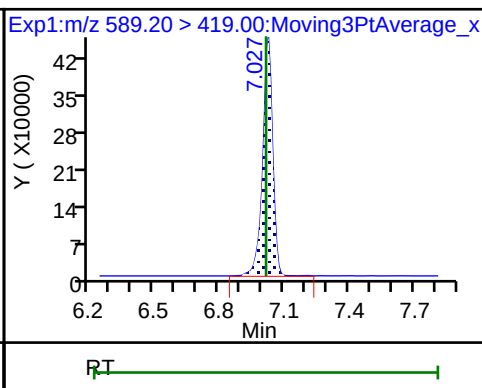
53 PFDA

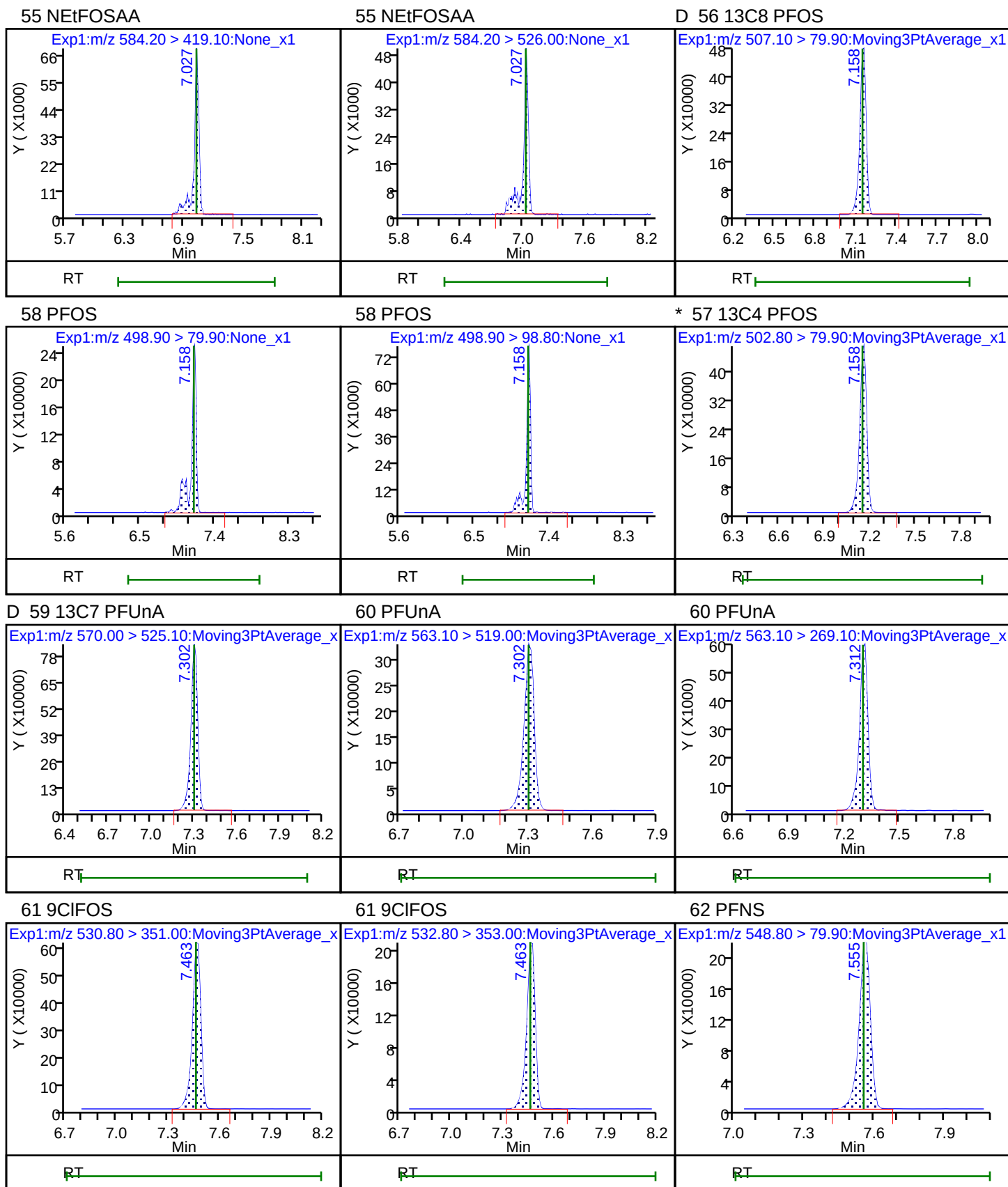


53 PFDA

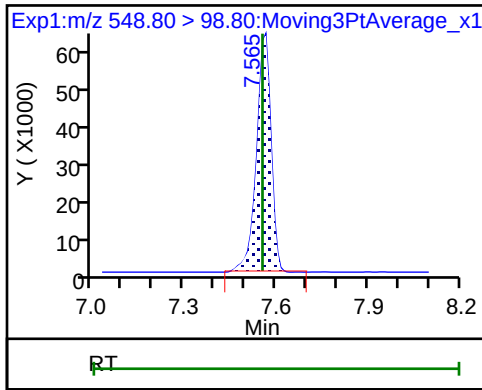


D 54 d5-NEtFOSAA

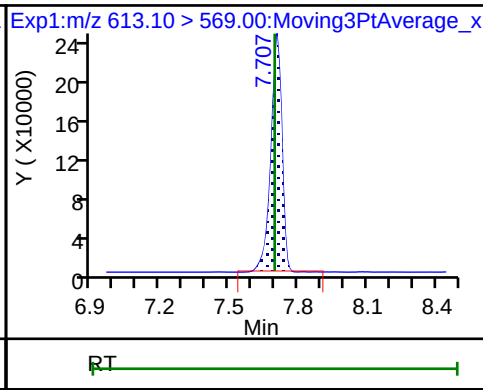




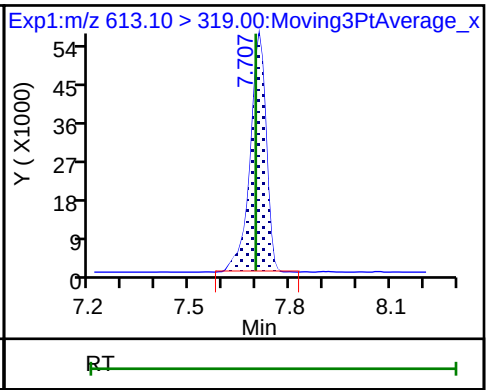
62 PFNS



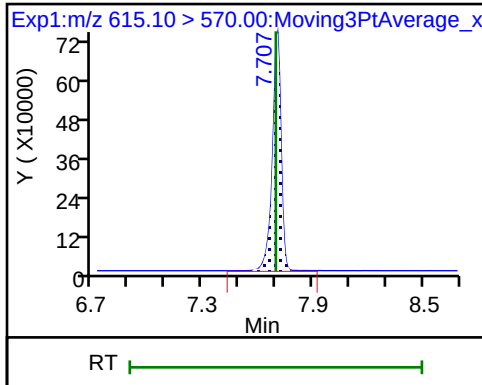
63 PFDaA



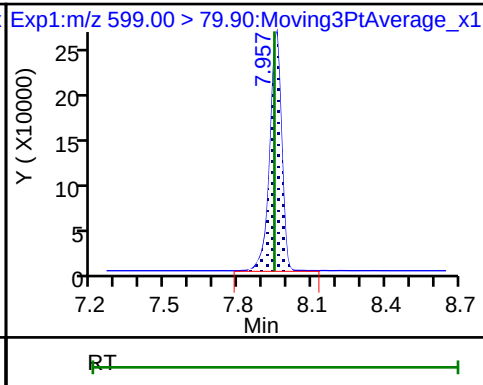
63 PFDaA



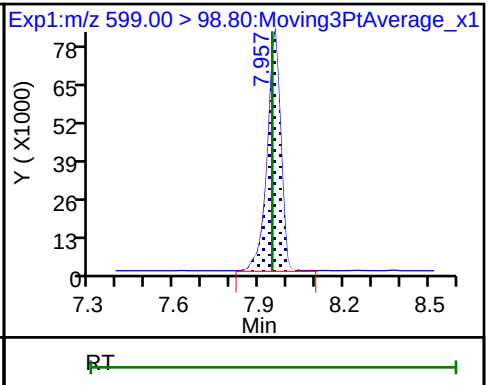
D 81 PFDaA



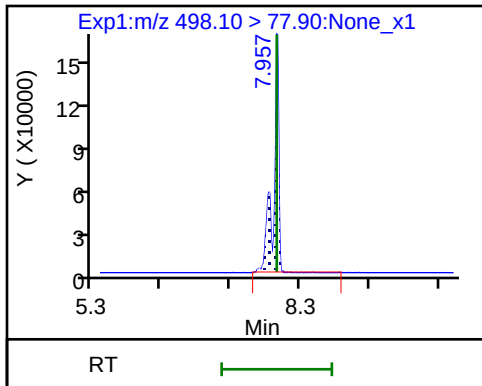
66 PFDS



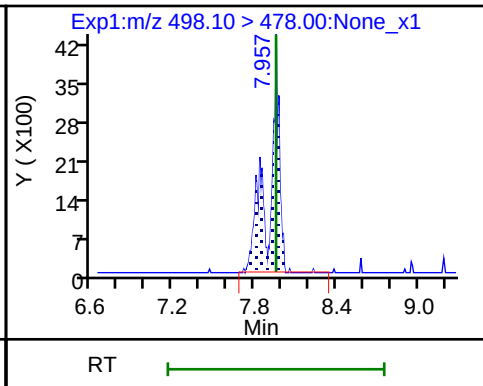
66 PFDS



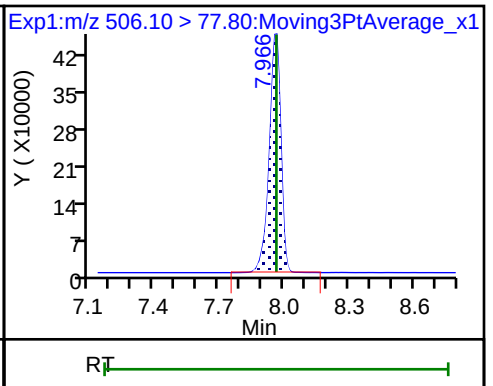
64 PFOSA



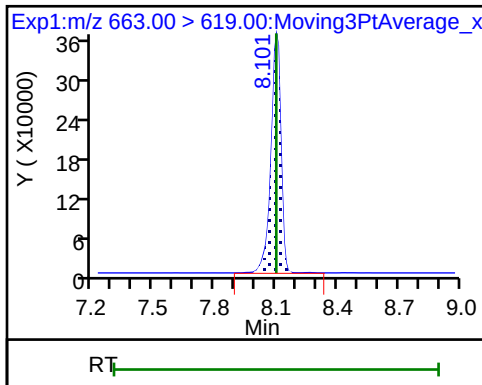
64 PFOSA



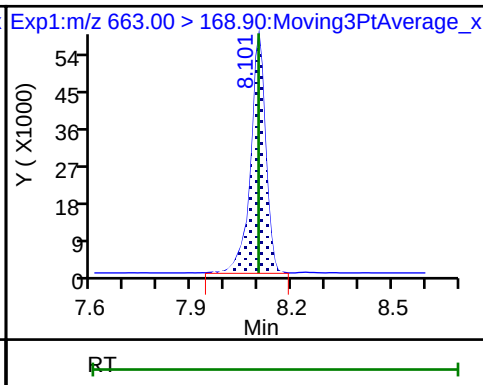
D 65 13C8 FOSA



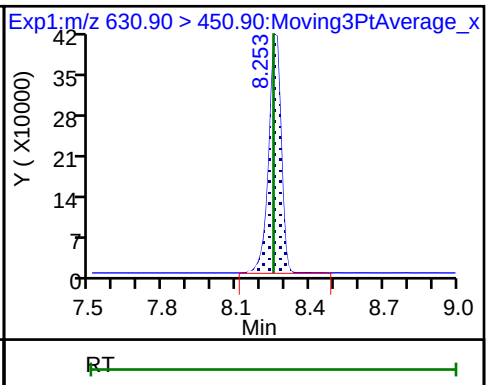
67 PFTTrDA

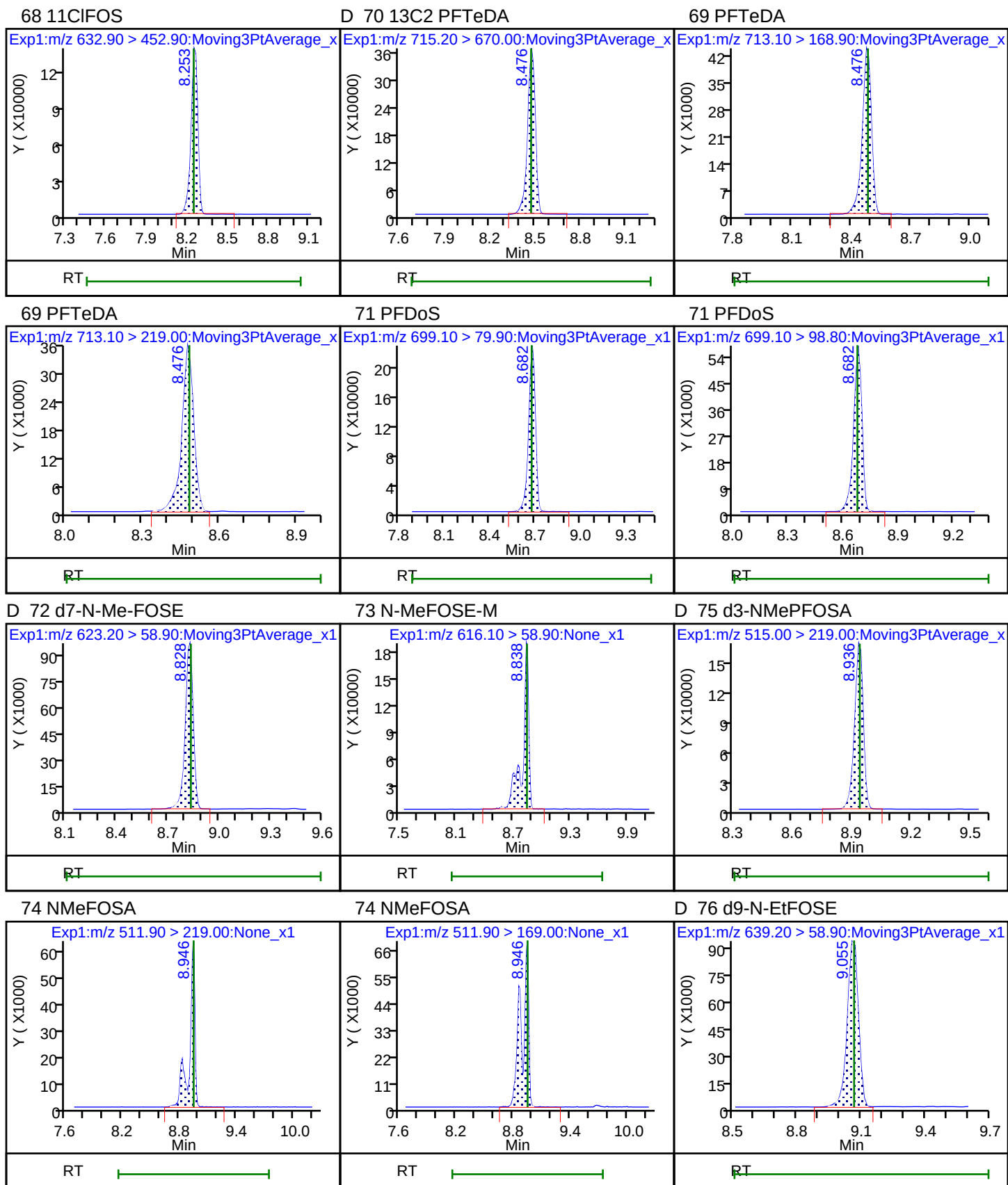


67 PFTTrDA

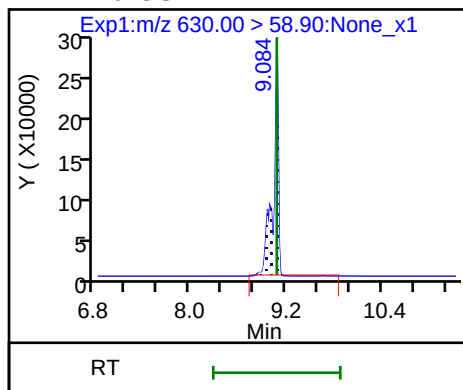


68 11CIFOS

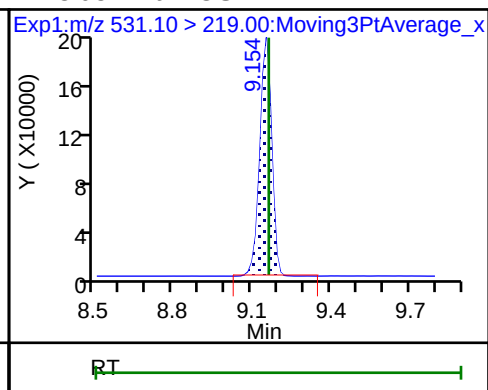




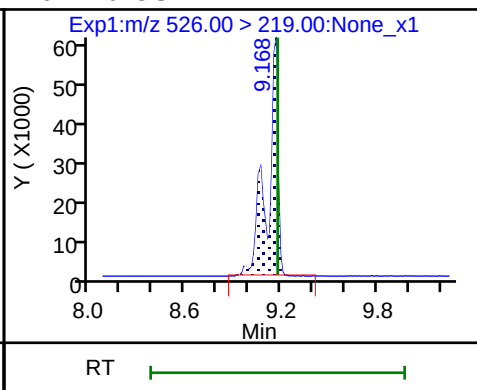
77 N-EtFOSE-M



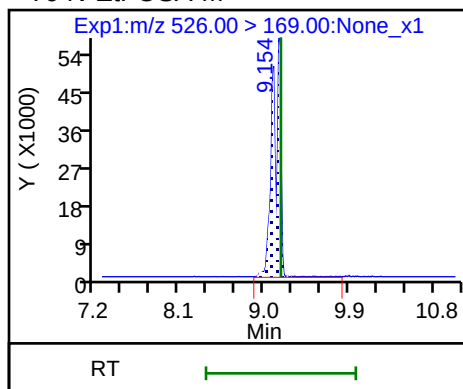
D 78 d5-NEtPFOSA



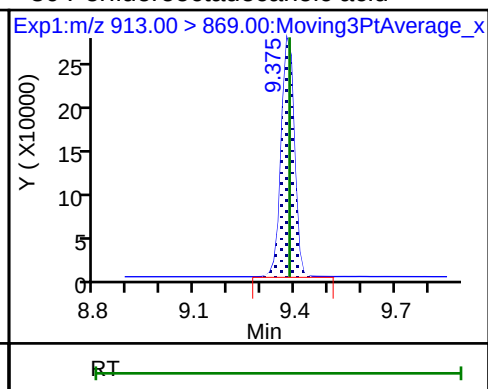
79 N-EtFOSA-M



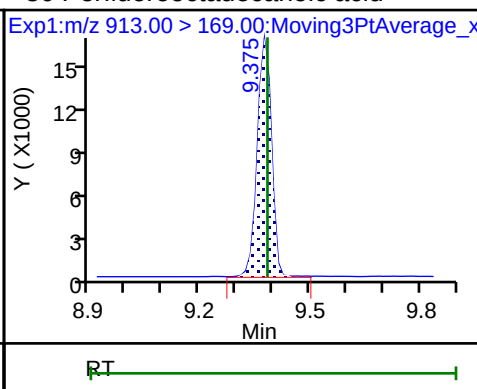
79 N-EtFOSA-M



80 Perfluorooctadecanoic acid



80 Perfluorooctadecanoic acid



FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Lab Sample ID: CCV 410-739075/31

Calibration Date: 12/05/2025 02:15

Instrument ID: 30577

Calib Start Date: 12/03/2025 15:58

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 12/03/2025 17:33

Lab File ID: 25DEC04JO-35.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoropropionic acid (PFPrA)	AveID	0.9562	0.9504		4.97	5.00	-1.0	30.0
Perfluorobutanoic acid (PFBA)	AveID	0.9278	0.9250		1.99	2.00	0.0	30.0
Perfluoro-3-methoxypropanoic acid (PFMPA)	AveID	1.585	1.589		1.00	1.00	0.0	30.0
3:3 FTCA	AveID	0.0732	0.0701		1.92	2.00	-4.0	30.0
Perfluoropentanoic acid (PFPeA)	AveID	2.021	2.047		1.01	1.00	1.0	30.0
Perfluoro-4-methoxybutanoic acid (PFMBA)	AveID	2.070	1.980		0.957	1.00	-4.0	30.0
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	AveID	1.849	1.858		1.88	1.88	0.0	30.0
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	AveID	0.2931	0.2962		1.01	1.00	1.0	30.0
Perfluorohexanoic acid (PFHxA)	AveID	0.8305	0.8427		1.01	1.00	1.0	30.0
5:3 FTCA	AveID	0.1021	0.1007		4.93	5.00	-1.0	30.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.034	1.086		0.933	0.888	5.0	30.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.036	1.003		0.726	0.750	-3.0	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	0.7082	0.6393		0.903	1.00	-10.0	30.0
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	AveID	2.969	2.999		0.901	0.892	1.0	30.0
Perfluoroheptanoic acid (PFHpA)	AveID	0.7451	0.7571		1.02	1.00	2.0	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	3.341	3.484		0.986	0.946	4.0	30.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.176	1.187		0.949	0.940	1.0	30.0
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	AveID	1.818	1.695		1.77	1.90	-7.0	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	2.720	2.788		1.00	0.979	2.0	30.0
Perfluorooctanoic acid (PFOA)	AveID	0.5754	0.5561		0.967	1.00	-3.0	30.0
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	AveID	0.0511	0.0481		4.71	5.00	-6.0	30.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.004	0.9666		0.878	0.912	-4.0	30.0
Perfluorononanoic acid (PFNA)	AveID	0.8128	0.8344		1.03	1.00	3.0	30.0
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	AveID	1.714	1.674		1.88	1.92	-2.0	30.0
Perfluoro-4-ethylcyclohexane sulfonic acid (PFECBS)	AveID	0.2420	0.2377		0.908	0.924	-2.0	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.346	1.231		0.873	0.954	-9.0	30.0
NMeFOSAA	AveID	1.024	1.048		1.02	1.00	2.0	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	1.244	1.129		0.907	1.00	-9.0	30.0
Perfluorodecanoic acid (PFDA)	AveID	0.6022	0.5663		0.940	1.00	-6.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.: _____

Lab Sample ID: CCV 410-739075/31

Calibration Date: 12/05/2025 02:15

Instrument ID: 30577

Calib Start Date: 12/03/2025 15:58

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 12/03/2025 17:33

Lab File ID: 25DEC04JO-35.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-ethylperfluorooctanesulfonamidoacetic acid (NETFOSAA)	AveID	0.8386	0.7880		0.940	1.00	-6.0	30.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.503	1.397		0.865	0.930	-7.0	30.0
Perfluoroundecanoic acid (PFUnA)	AveID	0.7939	0.7537		0.949	1.00	-5.0	30.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	AveID	2.967	2.836		0.893	0.934	-4.0	30.0
Perfluorononanesulfonic acid (PFNS)	AveID	1.017	0.9575		0.905	0.962	-6.0	30.0
Perfluorododecanoic acid (PFDoA)	AveID	0.7349	0.7449		1.01	1.00	1.0	30.0
Perfluorodecanesulfonic acid (PFDS)	AveID	1.195	1.157		0.933	0.964	-3.0	30.0
Perfluorooctanesulfonamide	AveID	0.9572	0.9571		1.00	1.00	0.0	30.0
Perfluorotridecanoic acid (PFTrDA)	AveID	1.361	1.334		0.980	1.00	-2.0	30.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	AveID	1.971	1.810		0.867	0.944	-8.0	30.0
Perfluorotetradecanoic acid (PFTeDA)	AveID	0.1886	0.1959		1.04	1.00	4.0	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	1.000	0.8733		0.847	0.970	-13.0	30.0
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	AveID	2.741	2.879		5.25	5.00	5.0	30.0
N-methylperfluorooctane sulfonamide (NMeFOSA)	AveID	0.9942	0.9385		0.944	1.00	-6.0	30.0
N-ethylperfluorooctane sulfonamidoethanol (NETFOSE)	AveID	3.355	3.482		5.19	5.00	4.0	30.0
N-ethylperfluorooctane sulfonamide (NETFOSA)	AveID	0.9150	0.8802		0.962	1.00	-4.0	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	1.084	0.9018		0.832	1.00	-17.0	30.0
13C3 PFPrA	Ave	0.6919	0.6737		1.95	2.00	-3.0	30.0
13C4 PFBA	Ave	1.050	1.018		1.94	2.00	-3.0	30.0
13C5 PFPeA	Ave	0.5406	0.5178		1.92	2.00	-4.0	30.0
M2-4:2 FTS	Ave	0.2277	0.2169		4.47	4.69	-5.0	30.0
13C5 PFHxA	Ave	1.129	1.046		1.85	2.00	-7.0	30.0
13C3 PFBS	Ave	1.231	1.175		1.78	1.86	-5.0	30.0
13C3 HFPO-DA	Ave	0.8605	0.7806		1.81	2.00	-9.0	30.0
13C4 PFHpA	Ave	1.186	1.118		1.89	2.00	-6.0	30.0
M2-6:2 FTS	Ave	0.1978	0.2003		4.82	4.76	1.0	30.0
13C8 PFOA	Ave	1.027	1.015		1.98	2.00	-1.0	30.0
13C3 PFHxS	Ave	1.002	0.9522		1.80	1.90	-5.0	30.0
13C9 PFNA	Ave	0.9792	0.9834		2.01	2.00	0.0	30.0
13C2 8:2 FTS	Ave	0.1849	0.1831		4.75	4.80	-1.0	30.0
d3-NMeFOSAA	Ave	0.4179	0.3708		4.44	5.00	-11.0	30.0
13C6 PFDA	Ave	1.020	1.036		2.03	2.00	2.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-254628-1
Environment Testing, LLC

SDG No.: _____

Lab Sample ID: CCV 410-739075/31 Calibration Date: 12/05/2025 02:15

Instrument ID: 30577 Calib Start Date: 12/03/2025 15:58

GC Column: Gemini C18 50mm ID: 3.00 (mm) Calib End Date: 12/03/2025 17:33

Lab File ID: 25DEC04JO-35.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d5-NEtFOSAA	Ave	0.3695	0.3275		4.43	5.00	-11.0	30.0
13C8 PFOS	Ave	1.004	0.9908		1.89	1.92	-1.0	30.0
13C7 PFUnA	Ave	1.114	1.121		2.01	2.00	1.0	30.0
13C2 PFDoA	Ave	1.021	0.9613		1.88	2.00	-6.0	30.0
13C8 FOSA	Ave	1.174	1.015		1.73	2.00	-14.0	30.0
13C2 PFTeDA	Ave	0.6354	0.6009		1.89	2.00	-5.0	30.0
d7-N-MeFOSE-M	Ave	0.0854	0.0757		4.43	5.00	-11.0	30.0
d3-NMePFOSA	Ave	0.3381	0.3122		1.85	2.00	-8.0	30.0
d9-N-EtFOSE-M	Ave	0.1017	0.0929		4.57	5.00	-9.0	30.0
d5-NEtPFOSA	Ave	0.4089	0.3732		1.83	2.00	-9.0	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30577\20251204-168875.b\25DEC04JO-35.d
 Lims ID: CCV 5_CAL4
 Client ID:
 Sample Type: CCV
 Inject. Date: 05-Dec-2025 02:15:55 ALS Bottle#: 5 Worklist Smp#: 31
 Injection Vol: 7.0 ul Dil. Factor: 1.0000
 Sample Info: CCV 2_CAL4
 Misc. Info.: Plate: 1 Rack: 1 410-0168875-002
 Operator ID: ETUS023_USR_INS00009 Instrument ID: 30577
 Sublist: chrom-30577-1633-125*sub7
 Method: \\chromfs\Lancaster\ChromData\30577\20251204-168875.b\30577-1633-125.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 05-Dec-2025 03:02:04 Calib Date: 03-Dec-2025 17:33:28
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\25DEC03CAL-08.d

Column 1 : Det: EXP1
 Process Host: CTX1687

First Level Reviewer: XBL5 Date: 05-Dec-2025 02:40:30

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	2.048	2.039	0.009	0.493	1025090	1.95		97.4	1721	
2 Perfluoropropionic acid										
163.00 > 119.00	2.031	2.056	-0.025	0.992	2435564	4.97		99.4	14894	
3 PFBA										
212.80 > 168.90	4.145	4.132	0.013	0.998	1433156	1.99		99.7	14656	
D 4 13C4-PFBA										
216.80 > 171.90	4.151	4.132	0.019	1.000	1549386	1.94		97.0	5429	
* 5 13C3PFBA										
216.00 > 172.00	4.151	4.138	0.013		1521600	2.00			3321	
6 PFMPA										
229.00 > 84.90	4.491	4.475	0.016	0.931	729896	1.00		100	3580	
7 3:3 FTCA										
241.00 > 177.00	4.516	4.499	0.017	0.936	64356	1.92	Target=1.11	95.8	1404	
241.00 > 117.00	4.516	4.499	0.017	0.936	57462		1.12(0.56-1.67)		379	
9 PFPA										
263.00 > 219.00	4.833	4.817	0.016	1.002	939953	1.01		101	839	
D 8 13C5 PFPeA										
268.30 > 223.00	4.825	4.817	0.008	0.914	918477	1.92		95.8	3881	
10 PFMBA										
279.00 > 85.10	4.981	4.963	0.018	1.032	909411	0.9567		95.7	4035	
12 4:2FTS										
327.10 > 307.00	5.109	5.085	0.024	1.002	691272	1.88	Target=1.70	100	3303	
327.10 > 80.90	5.109	5.085	0.024	1.002	415049		1.67(0.85-2.55)		584	
D 11 13C2-4:2FTS										
329.10 > 80.90	5.098	5.085	0.013	0.807	930260	4.47		95.3	4026	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.243	5.229	0.014	0.993	274823	1.01	Target=1.56	101	1477	
295.00 > 84.90	5.243	5.229	0.014	0.993	193439		1.42(0.78-2.34)		804	
D 15 13C5 PFHxA										
318.00 > 273.00	5.281	5.270	0.011	1.000	1855546	1.85		92.7	5171	
* 16 13C2 PFHxA										
315.10 > 270.00	5.281	5.270	0.011		4434880	5.00			7703	
17 PFHxA										
313.00 > 269.00	5.281	5.270	0.011	1.000	781864	1.01	Target=10.34	101	3421	
313.00 > 118.90	5.281	5.270	0.011	1.000	80873		9.67(5.17-15.52)		543	
18 5:3 FTCA										
341.00 > 237.10	5.370	5.358	0.012	1.017	467256	4.93	Target=0.69	98.6	1833	
341.00 > 217.00	5.370	5.358	0.012	1.017	670879		0.70(0.35-1.04)		583	
D 19 13C3 PFBS										
302.10 > 79.90	5.413	5.400	0.013	0.857	2002585	1.78		95.5	6124	
20 PFBS										
298.70 > 79.90	5.413	5.400	0.013	1.000	1036515	0.9333	Target=2.94	105	4452	
298.70 > 98.80	5.413	5.400	0.013	1.000	343948		3.01(1.47-4.41)		1429	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.467	5.454	0.013	1.035	1384721	1.81		90.7	6995	
23 HFPO-DA										
284.90 > 168.90	5.467	5.454	0.013	1.000	520832	0.7264	Target=2.33	96.9	3547	
284.90 > 184.90	5.467	5.454	0.013	1.000	235490		2.21(1.16-3.49)		1505	
21 FBSA										
297.90 > 78.00	5.500	5.487	0.013	1.016	686781	0.9027		90.3	1964	
26 PFEESA										
314.80 > 134.90	5.652	5.640	0.012	1.070	2482302	0.9012	Target=13.08	101	6428	
314.80 > 82.90	5.652	5.640	0.012	1.070	183539		13.52(6.54-19.62)		1111	
D 28 13C4 PFHpA										
367.10 > 322.00	5.709	5.684	0.025	1.081	1983577	1.89		94.3	3741	
27 PFHpA										
363.10 > 319.00	5.709	5.684	0.025	1.000	750902	1.02	Target=1.78	102	2021	
363.10 > 169.00	5.709	5.684	0.025	1.000	435531		1.72(0.89-2.67)		1762	
29 ADONA										
376.90 > 250.90	5.855	5.842	0.013	1.071	2281628	0.9863	Target=2.07	104	4333	
376.90 > 84.80	5.855	5.842	0.013	1.071	1099336		2.08(1.04-3.11)		2565	
30 PFPeS										
349.10 > 79.90	5.888	5.876	0.012	0.932	971499	0.9487	Target=3.11	101	4015	
349.10 > 98.90	5.888	5.876	0.012	0.932	316313		3.07(1.56-4.67)		1758	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.900	5.887	0.013	0.934	871897	4.82		101	3684	
31 6:2FTS										
427.10 > 407.00	5.900	5.887	0.013	1.000	591062	1.77	Target=1.69	93.2	145	
427.10 > 80.90	5.900	5.887	0.013	1.000	384073		1.54(0.85-2.54)		156	
33 BTS										
280.00 > 147.00	6.036	6.024	0.012	0.956	2376375	1.00		102	11192	
* 34 13C4 PFOA										
417.10 > 372.00	6.103	6.093	0.010		6725835	5.00			4289	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 35 13C8 PFOA										
421.10 > 376.00	6.103	6.093	0.010	1.000	2729795	1.98		98.8	4824	
36 PFOA										
413.00 > 369.00	6.103	6.093	0.010	1.000	759020	0.9665	Target=1.59	96.7	887	
413.00 > 169.00	6.103	6.093	0.010	1.000	459704		1.65(0.80-2.39)		637	
37 7:3 FTCA										
441.00 > 316.90	6.195	6.204	-0.009	1.173	223262	4.71	Target=0.30	94.3	867	
441.00 > 336.90	6.195	6.204	-0.009	1.173	845107		0.26(0.15-0.45)		3415	
D 38 13C3 PFHxS										
402.10 > 79.90	6.316	6.306	0.010	1.000	1650832	1.80		95.1	4406	
40 PFHxS										
398.70 > 79.90	6.316	6.315	0.001	1.000	767541	0.8781	Target=3.25	96.3	1283	
398.70 > 98.90	6.316	6.315	0.001	1.000	240665		3.19(1.63-4.88)		453	
* 39 18O2 PFHxS										
403.00 > 83.90	6.316	6.315	0.001		1733742	1.90			4540	
* 42 13C5 PFNA										
468.00 > 423.00	6.500	6.488	0.012		2334438	2.00			4931	
D 41 13C9 PFNA										
472.10 > 427.00	6.500	6.488	0.012	1.000	2295772	2.01		100	7542	
43 PFNA										
463.00 > 419.00	6.500	6.499	0.001	1.000	957784	1.03	Target=1.99	103	1255	
463.00 > 219.00	6.500	6.499	0.001	1.000	462411		2.07(1.00-2.99)		623	
D 44 13C2-8:2FTS										
529.10 > 80.90	6.677	6.676	0.001	1.057	803593	4.75		99.0	4028	
45 8:2FTS										
527.10 > 507.00	6.677	6.676	0.001	1.000	538228	1.88	Target=1.75	97.7	931	
527.10 > 80.80	6.677	6.676	0.001	1.000	314402		1.71(0.88-2.63)		1381	
46 PFECHS										
461.00 > 381.00	6.697	6.705	-0.008	1.060	191205	0.9076	Target=0.21	98.2	402	
461.00 > 99.00	6.697	6.705	-0.008	1.060	970552		0.20(0.10-0.31)		2563	
47 PFHpS										
449.00 > 79.90	6.736	6.735	0.001	0.943	925492	0.8726	Target=3.35	91.5	2231	
449.00 > 98.80	6.736	6.735	0.001	0.943	286528		3.23(1.68-5.03)		1069	
D 49 d3-NMeFOSAA										
573.20 > 419.00	6.834	6.843	-0.009	0.957	1475106	4.44		88.7	2841	
50 NMeFOSAA										
570.10 > 419.00	6.844	6.843	0.001	1.001	309260	1.02	Target=1.72	102	121	
570.10 > 483.00	6.854	6.843	0.011	1.003	191980		1.61(0.86-2.58)		271	
48 FHxSA										
397.90 > 78.00	6.873	6.890	-0.017	1.088	982613	0.9074		90.7	3087	
D 52 13C6 PFDA										
519.10 > 474.10	6.891	6.899	-0.008	0.999	2458782	2.03		102	6302	
* 51 13C2 PFDA										
515.10 > 470.10	6.899	6.899	0.0		2372526	2.00			4631	
53 PFDA										
512.90 > 469.00	6.899	6.899	0.0	1.001	696208	0.9403	Target=2.79	94.0	3477	
512.90 > 219.00	6.899	6.899	0.0	1.001	247019		2.82(1.39-4.18)		1498	

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	7.016	7.016	0.0	0.983	1302705	4.43		88.6	3042	
55 NEtFOSAA										
584.20 > 419.10	7.016	7.025	-0.009	1.000	205305	0.9396	Target=1.36	94.0	522	
584.20 > 526.00	7.016	7.025	-0.009	1.000	163155		1.26(0.68-2.04)		225	
D 56 13C8 PFOS										
507.10 > 79.90	7.140	7.148	-0.008	1.000	1510225	1.89		98.7	2653	
58 PFOS										
498.90 > 79.90	7.149	7.148	0.001	1.001	1024059	0.8645	Target=4.13	93.0	1475	
498.90 > 98.80	7.140	7.148	-0.008	1.000	243758		4.20(2.07-6.20)		671	
* 57 13C4 PFOS										
502.80 > 79.90	7.140	7.148	-0.008		1524277	1.92			5622	
D 59 13C7 PFUnA										
570.00 > 525.10	7.293	7.301	-0.008	1.057	2658577	2.01		101	6680	
60 PFUnA										
563.10 > 519.00	7.302	7.301	0.001	1.001	1001907	0.9493	Target=6.23	94.9	3076	
563.10 > 269.10	7.293	7.301	-0.008	1.000	174316		5.75(3.12-9.35)		875	
61 9ClFOS										
530.80 > 351.00	7.452	7.462	-0.010	1.044	2087526	0.8926	Target=3.01	95.6	3957	
532.80 > 353.00	7.452	7.462	-0.010	1.044	650069		3.21(1.50-4.51)		3480	
62 PFNS										
548.80 > 79.90	7.545	7.554	-0.009	1.057	726007	0.9055	Target=3.21	94.1	5908	
548.80 > 98.80	7.545	7.554	-0.009	1.057	217518		3.34(1.61-4.82)		1515	
63 PFDoA										
613.10 > 569.00	7.688	7.697	-0.009		849458	1.01	Target=4.51	101	2824	
613.10 > 319.00	7.697	7.697	0.0		180364		4.71(2.25-6.76)		1319	
D 81 PFDoA										
615.10 > 570.00	7.688	7.697	-0.009	1.114	2280631	1.88		94.2	4868	
66 PFDS										
599.00 > 79.90	7.938	7.946	-0.008	1.112	878843	0.9329	Target=3.42	96.8	3315	
599.00 > 98.80	7.938	7.946	-0.008	1.112	258742		3.40(1.71-5.12)		905	
64 PFOSA										
498.10 > 77.90	7.955	7.955	0.0	1.000	773042	1.00	Target=43.61	100.0	2193	
498.10 > 478.00	7.974	7.955	0.019	1.002	19113		40.45(21.80-65.41)		53.9	
D 65 13C8 FOSA										
506.10 > 77.80	7.955	7.964	-0.009	1.114	1615423	1.73		86.5	4313	
67 PFTTrDA										
663.00 > 619.00	8.091	8.099	-0.008	0.956	1236263	0.9803	Target=7.60	98.0	3721	
663.00 > 168.90	8.091	8.099	-0.008	0.956	169882		7.28(3.80-11.40)		1520	
68 11ClFOS										
630.90 > 450.90	8.240	8.250	-0.010	1.154	1346934	0.8668	Target=3.18	91.8	4423	
632.90 > 452.90	8.240	8.250	-0.010	1.154	432672		3.11(1.59-4.76)		2444	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.466	8.474	-0.008	1.227	1425705	1.89		94.6	3715	
69 PFTeDA										
713.10 > 168.90	8.466	8.483	-0.017	1.000	139623	1.04	Target=1.14	104	1506	
713.10 > 219.00	8.466	8.483	-0.017	1.000	117356		1.19(0.57-1.70)		806	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
71 PFDoS										
699.10 > 79.90	8.669	8.677	-0.008	1.214	667672	0.8471	Target=3.63	87.3	3456	
699.10 > 98.80	8.669	8.677	-0.008	1.214	184799		3.61(1.81-5.44)		2834	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.826	8.833	-0.007	1.236	301007	4.43		88.6	466	
73 N-MeFOSE-M										
616.10 > 58.90	8.845	8.843	0.002	1.002	866604	5.25		105	1205	
D 75 d3-NMePFOSA										
515.00 > 219.00	8.943	8.941	0.002	1.253	496676	1.85		92.3	2724	
74 NMeFOSA										
511.90 > 219.00	8.943	8.950	-0.007	1.000	233074	0.9440	Target=0.68	94.4	1010	
511.90 > 169.00	8.943	8.950	-0.007	1.000	345688		0.67(0.34-1.02)		679	
D 76 d9-N-EtFOSE										
639.20 > 58.90	9.067	9.065	0.002	1.270	369373	4.57		91.3	730	
77 N-EtFOSE-M										
630.00 > 58.90	9.082	9.079	0.003	1.002	1286311	5.19		104	2874	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.152	9.163	-0.011	1.282	593802	1.83		91.3	1706	
79 N-EtFOSA-M										
526.00 > 219.00	9.165	9.177	-0.012	1.001	261322	0.9619	Target=0.84	96.2	1505	
526.00 > 169.00	9.165	9.177	-0.012	1.001	307915		0.85(0.42-1.26)		1193	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.360	9.384	-0.024	1.106	642820	0.8321	Target=15.84	83.2	5319	
913.00 > 169.00	9.347	9.384	-0.037	1.104	38281		16.79(7.92-23.77)		1914	

QC Flag Legend

Processing Flags

Reagents:

1633_125_CAL4_00077

Amount Added: 1.00

Units: mL

Data File: \\chromfs\Lancaster\ChromData\30577\20251204-168875.b\25DEC04JO-35.d

Injection Date: 05-Dec-2025 02:15:55

Instrument ID: 30577

Lims ID: CCV 5_CAL4

Client ID:

Operator ID: ETUS023_USR_INS00009

ALS Bottle#: 5

Worklist Smp#: 31

Injection Vol: 7.0 ul

Dil. Factor: 1.0000

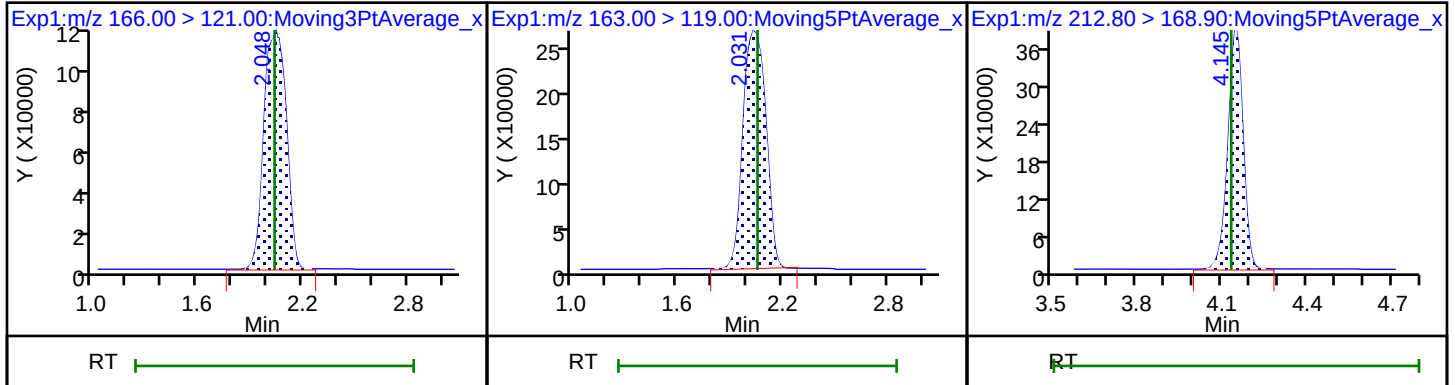
Method: 30577-1633-125

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid

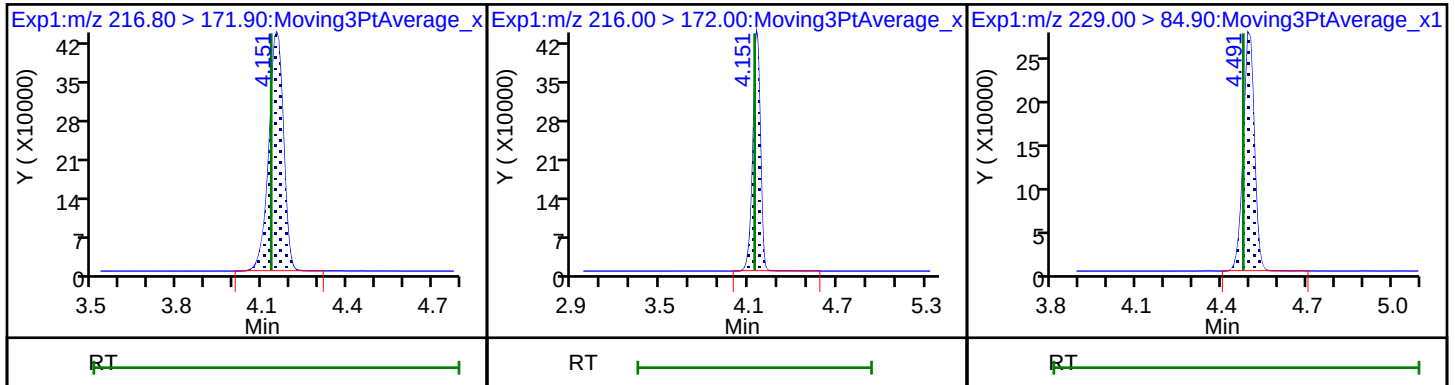
3 PFBA



D 4 13C4-PFBA

* 5 13C3PFBA

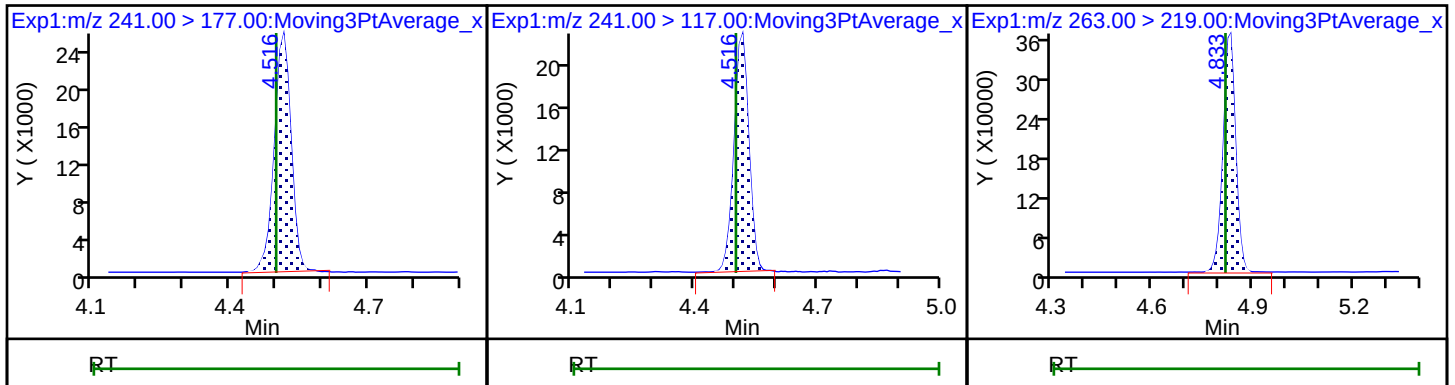
6 PFMPA



7 3:3 FTCA

7 3:3 FTCA

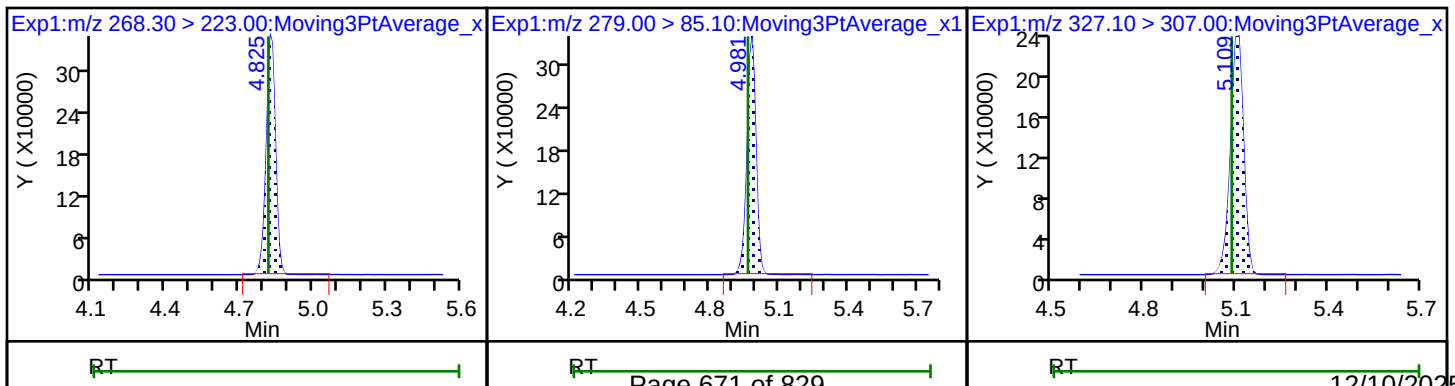
9 PFPA

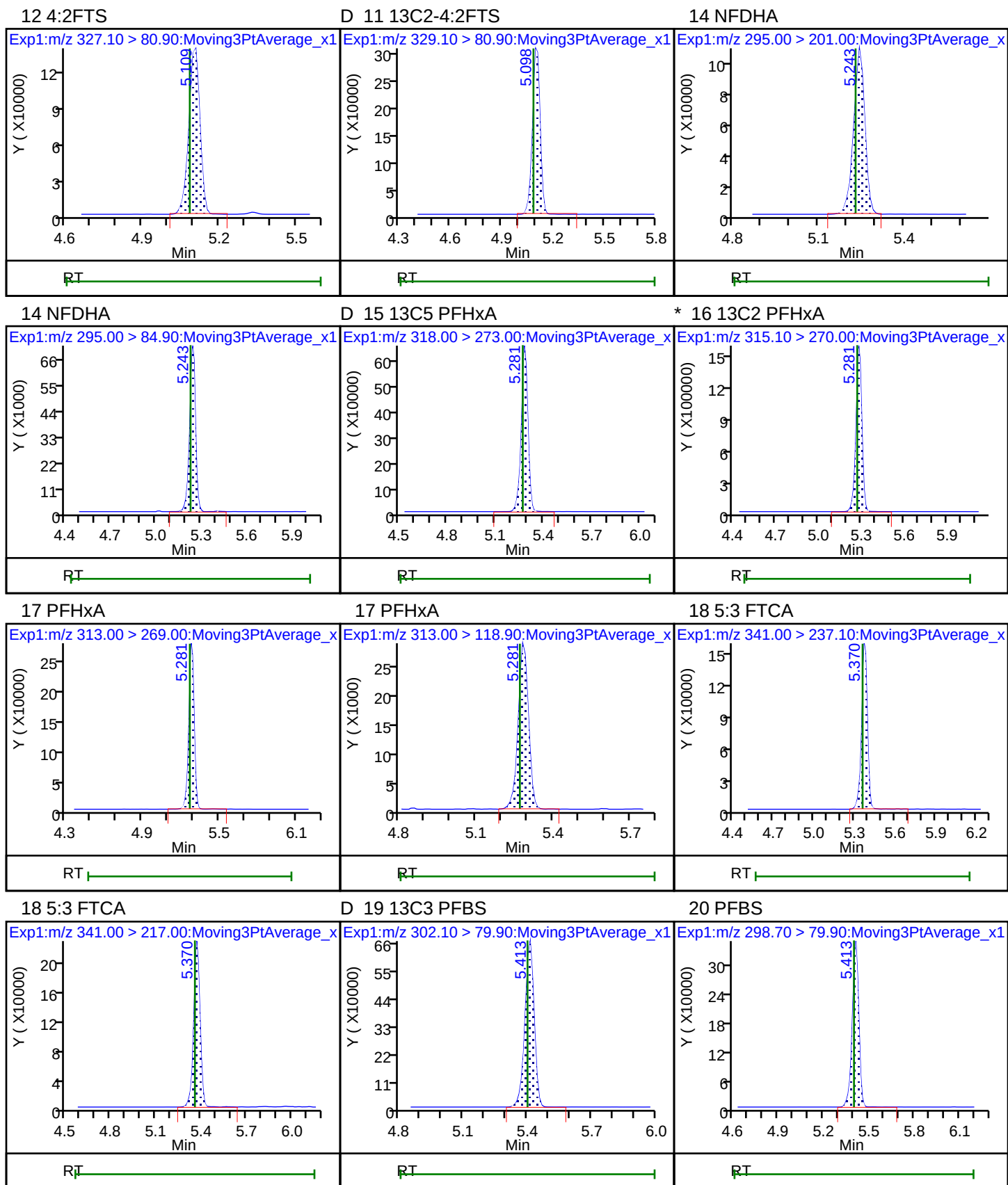


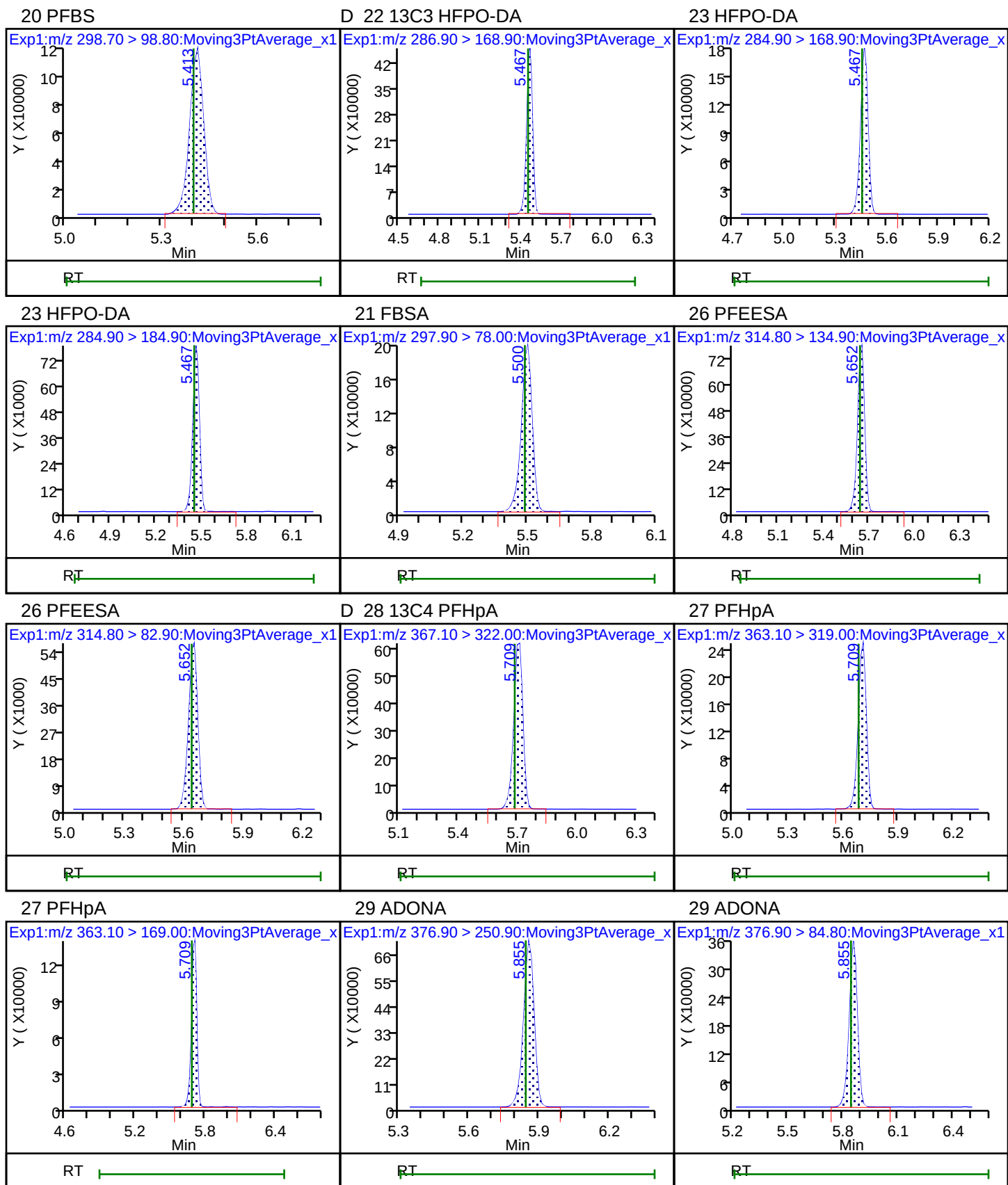
D 8 13C5 PFPeA

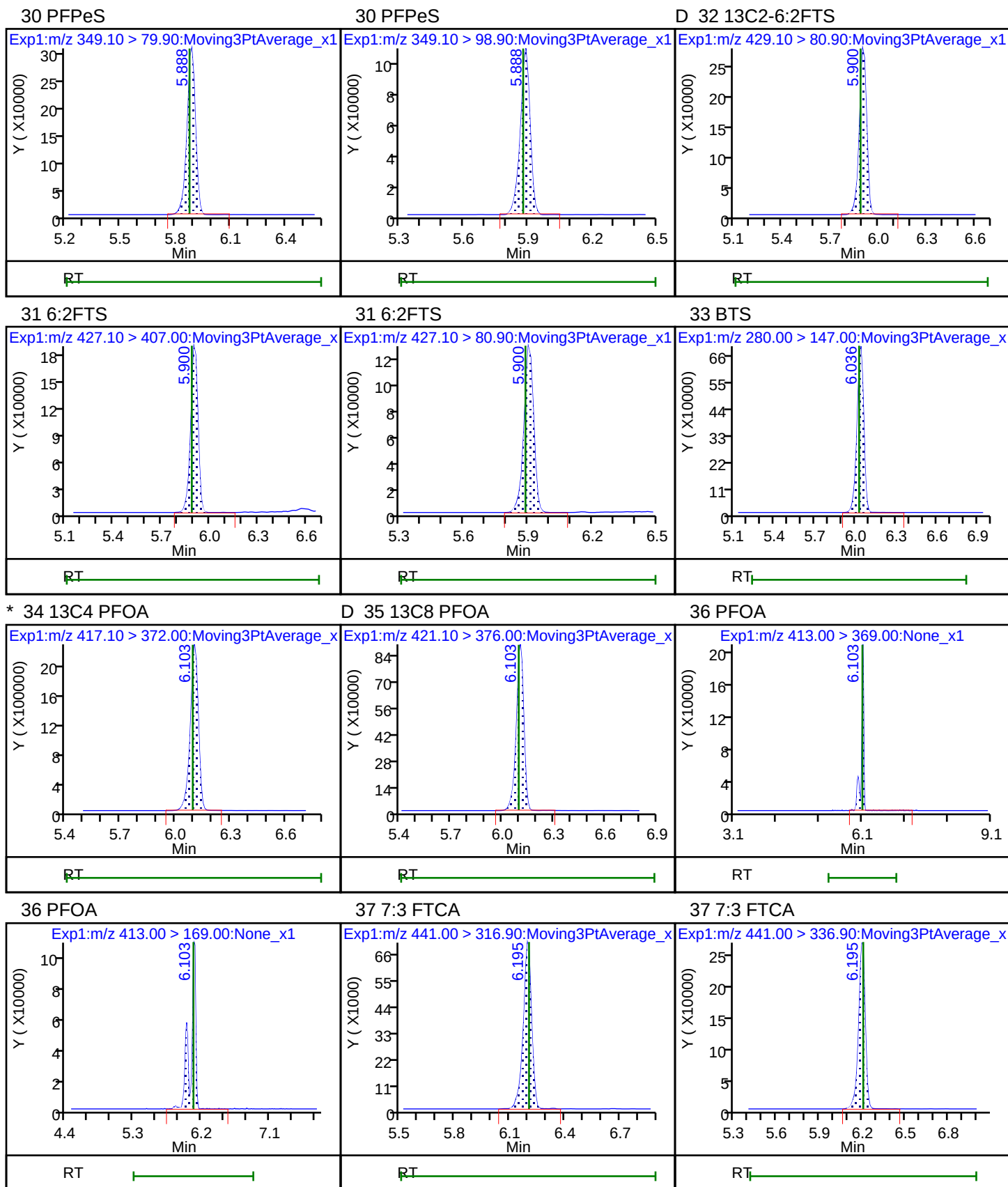
10 PFMBa

12 4:2FTS





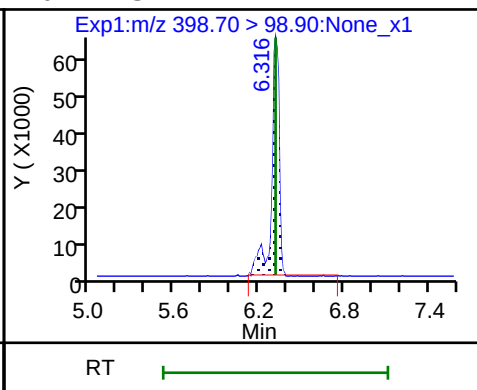
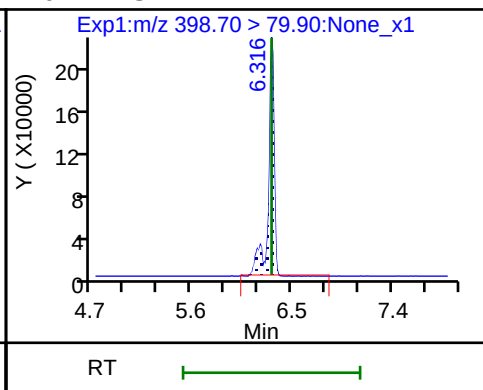
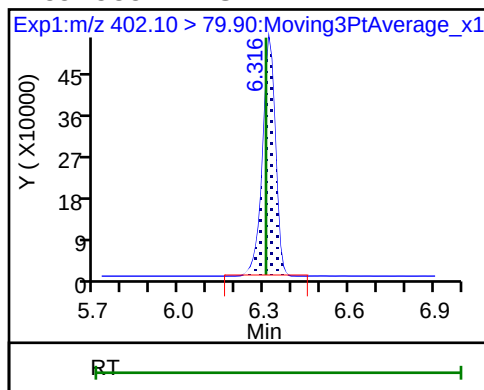




D 38 13C3 PFHxS

40 PFHxS

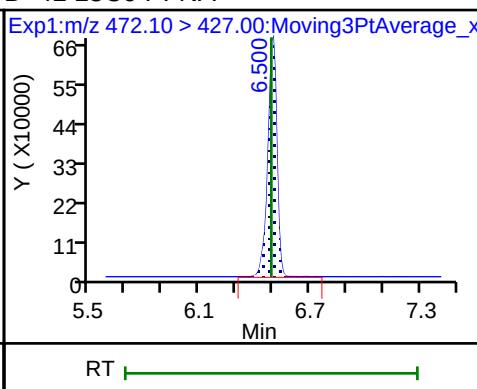
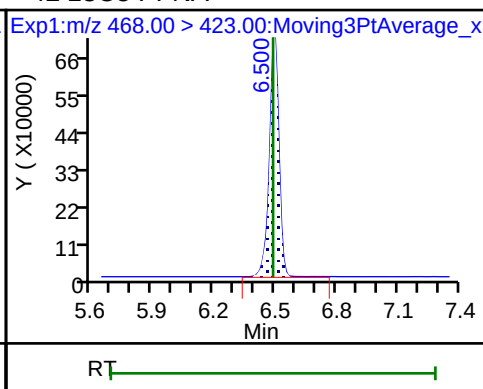
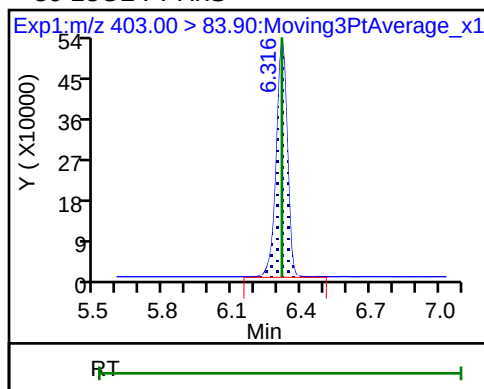
40 PFHxS



* 39 18O2 PFHxS

* 42 13C5 PFNA

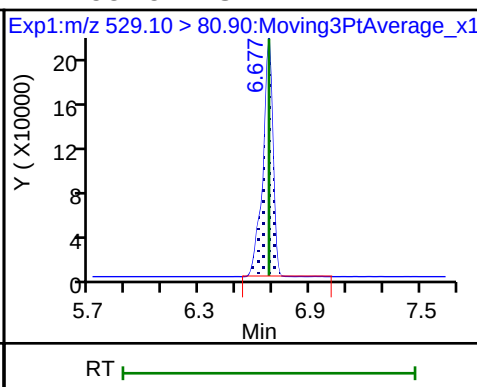
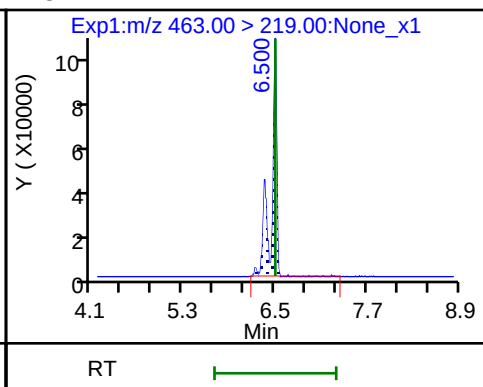
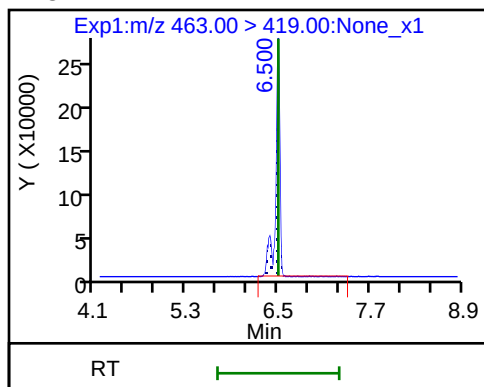
D 41 13C9 PFNA



43 PFNA

43 PFNA

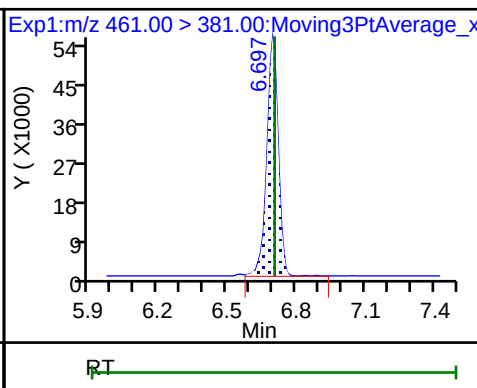
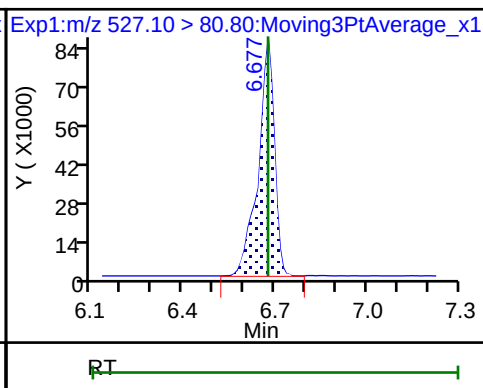
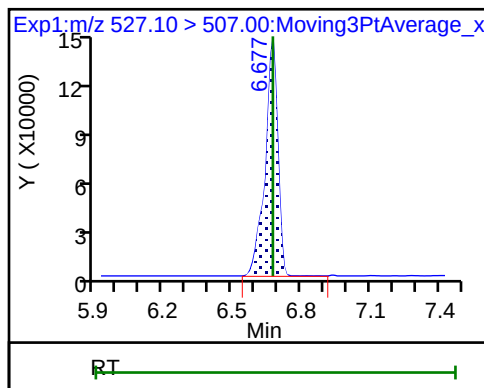
D 44 13C2-8:2FTS



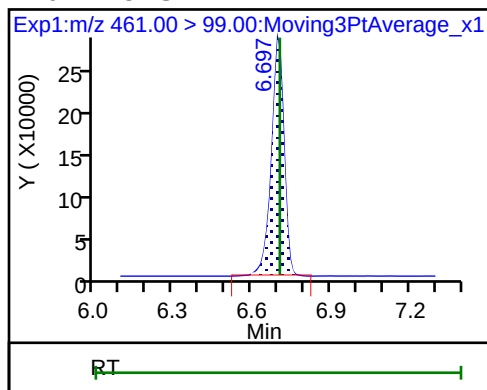
45 8:2FTS

45 8:2FTS

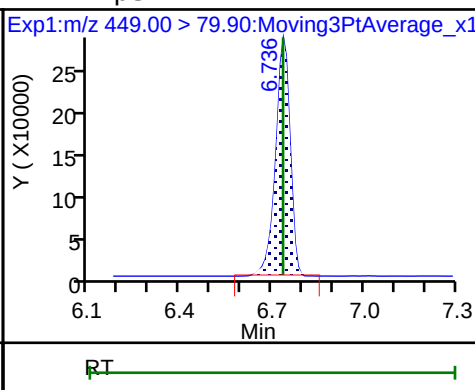
46 PFECHS



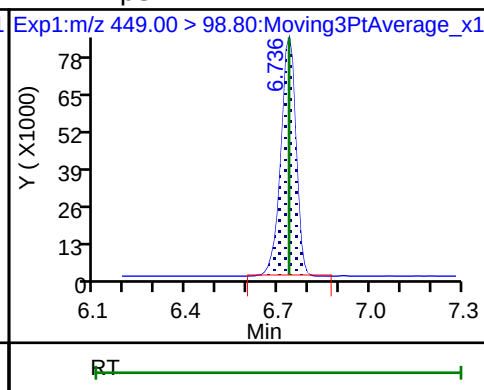
46 PFECHS



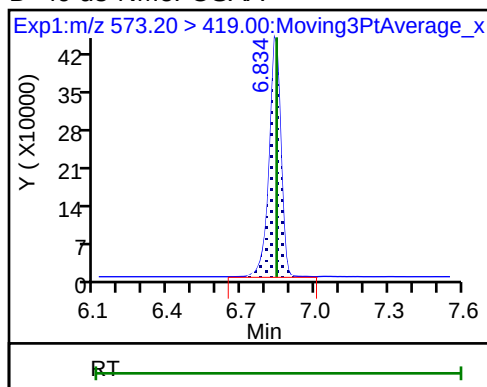
47 PFHpS



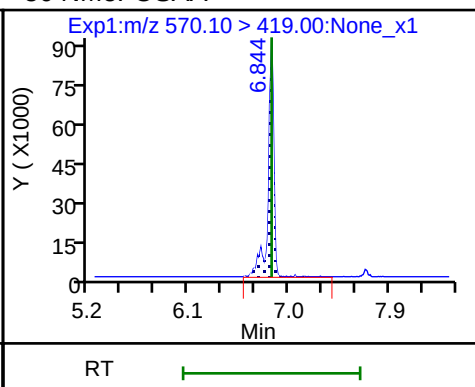
47 PFHpS



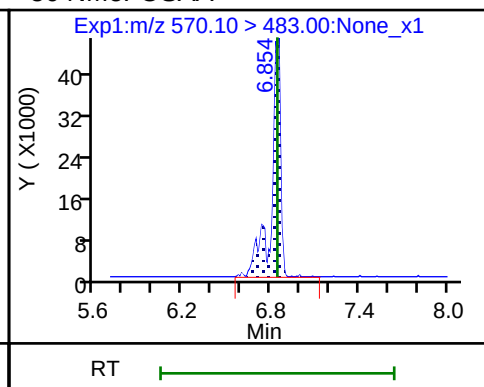
D 49 d3-NMeFOSAA



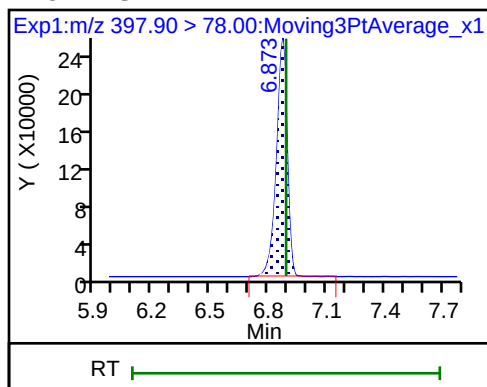
50 NMeFOSAA



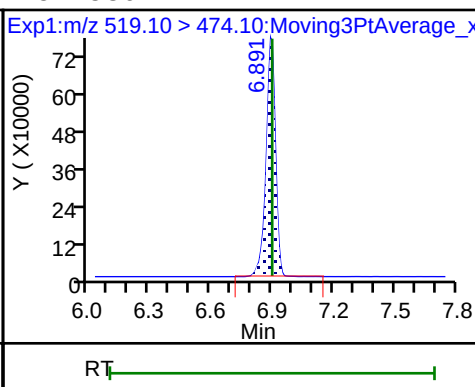
50 NMeFOSAA



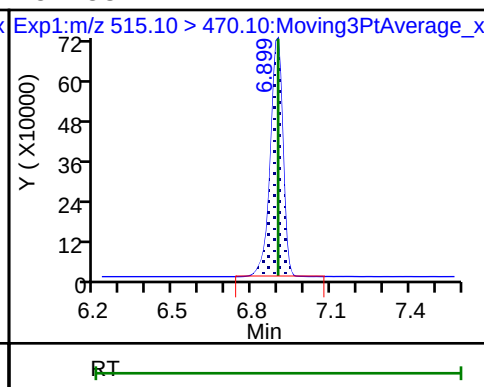
48 FHxSA



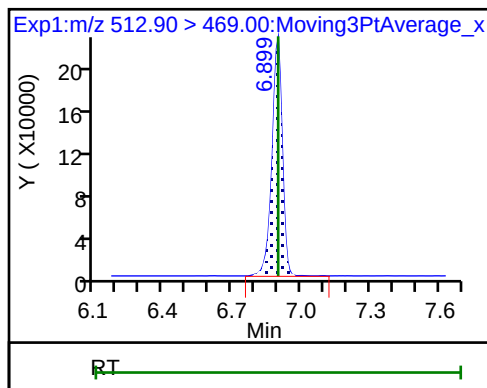
D 52 13C6 PFDA



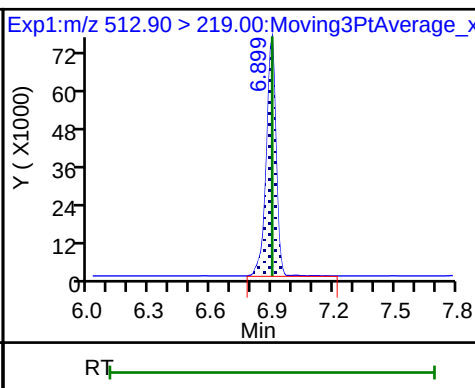
* 51 13C2 PFDA



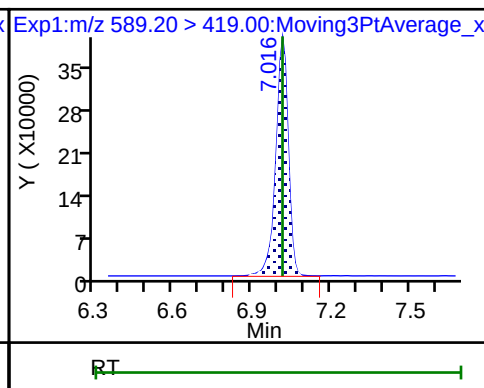
53 PFDA

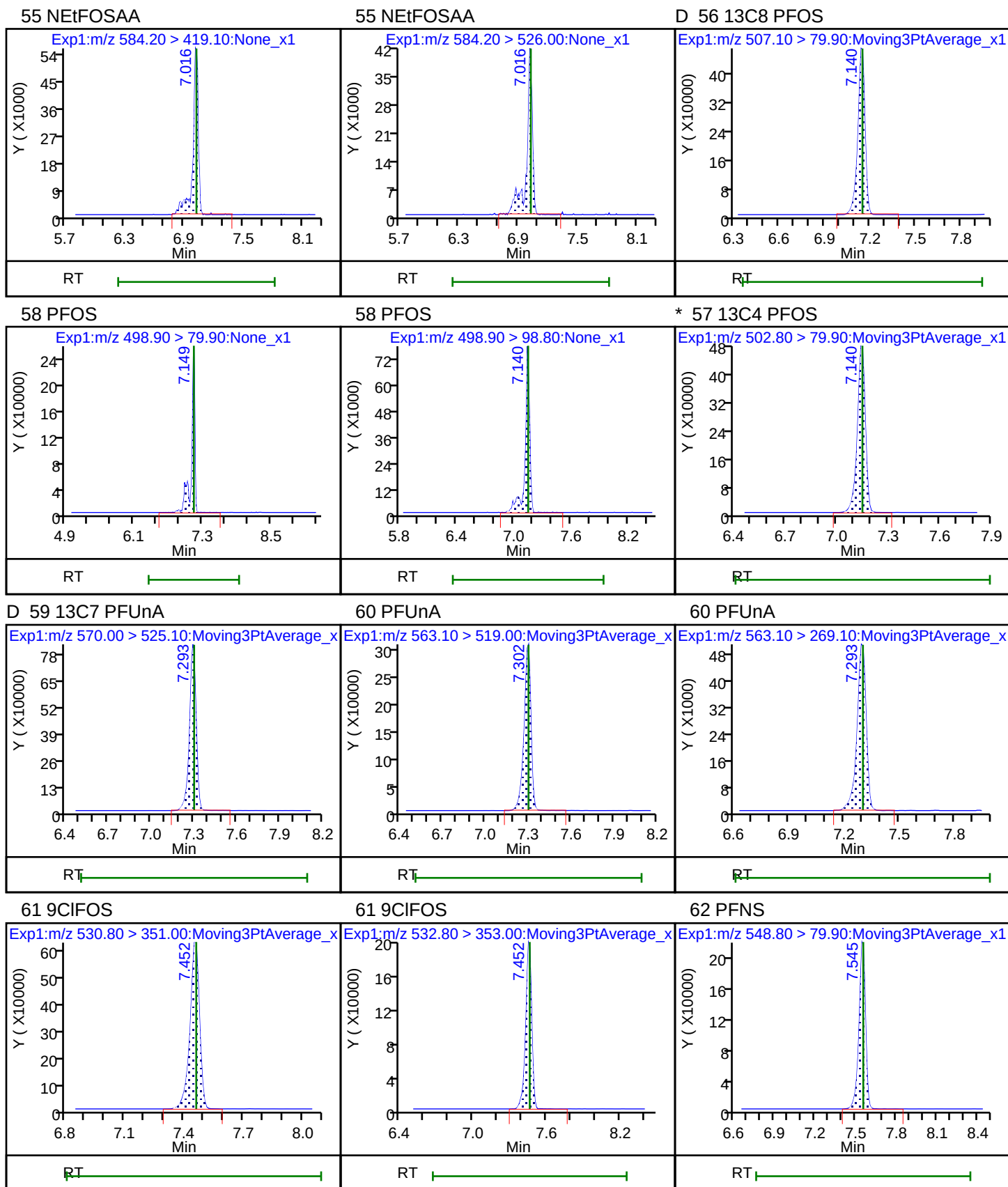


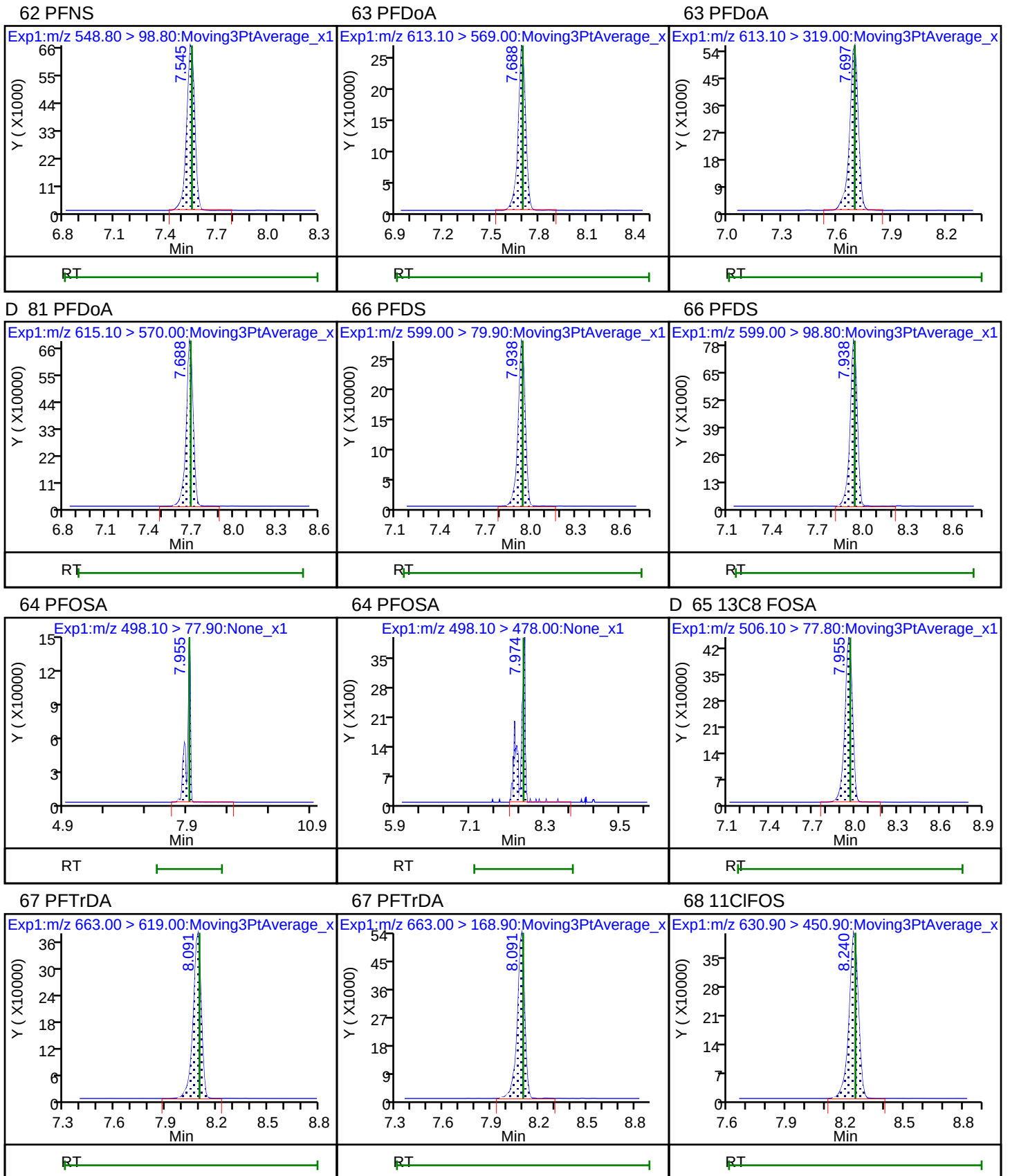
53 PFDA

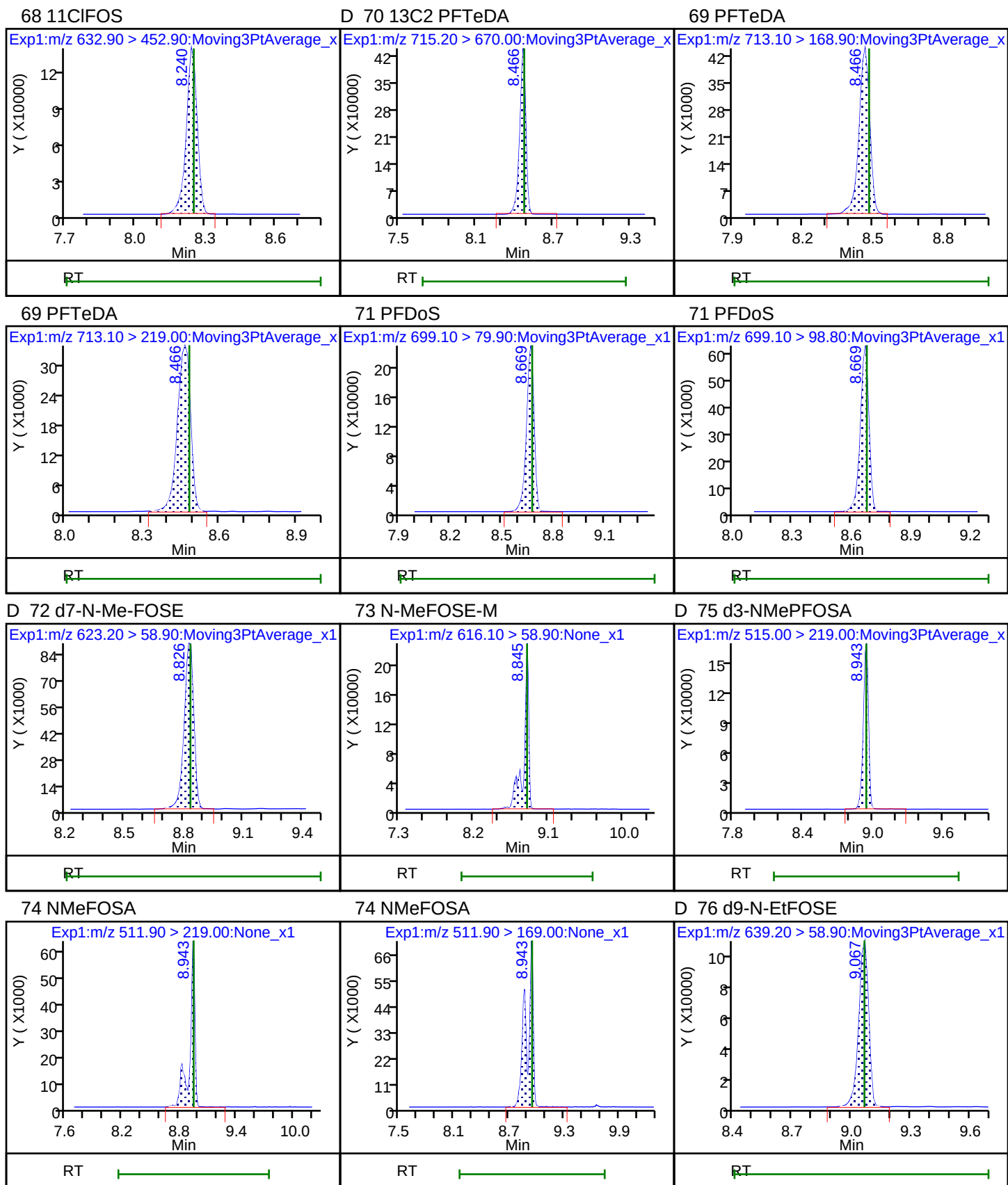


D 54 d5-NEtFOSAA





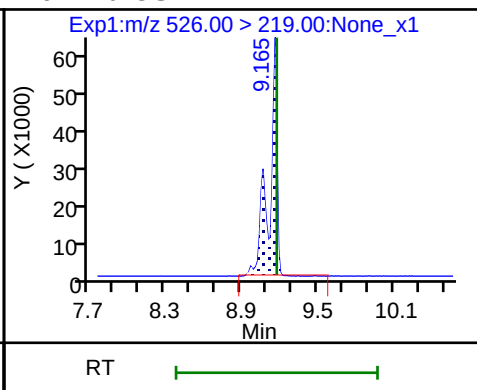
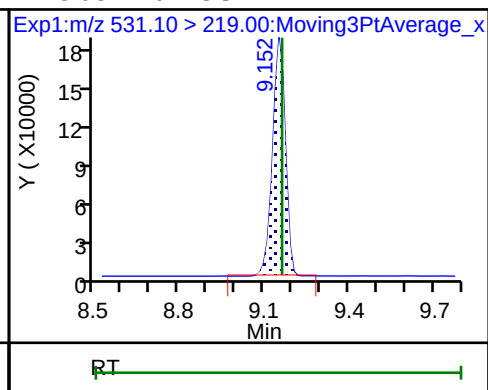
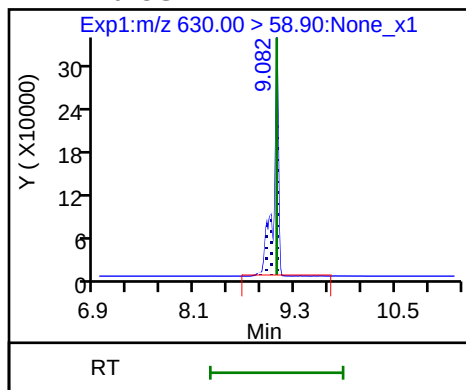




77 N-EtFOSE-M

D 78 d5-NEtPFOSA

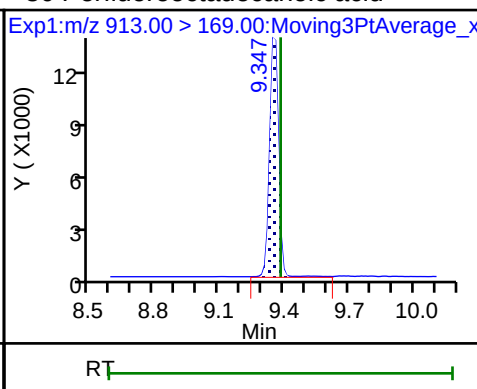
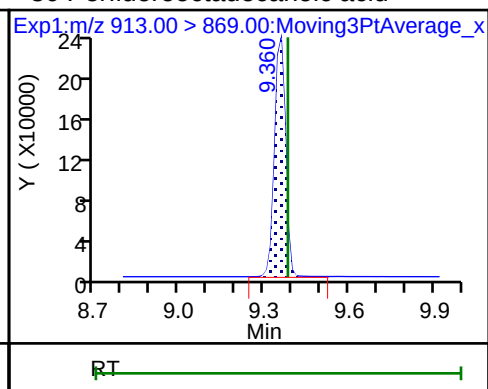
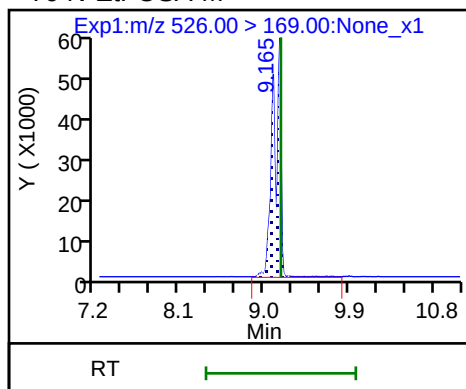
79 N-EtFOSA-M



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.: 410-254628-1

SDG No.:

Lab Sample ID: CCV 410-739075/52

Calibration Date: 12/05/2025 05:26

Instrument ID: 30577

Calib Start Date: 12/03/2025 15:58

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 12/03/2025 17:33

Lab File ID: 25DEC04JO-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	0.9562	0.9520		4.98	5.00	0.0	30.0
Perfluorobutanoic acid (PFBA)	AveID	0.9278	0.9205		1.98	2.00	-1.0	30.0
Perfluoro-3-methoxypropanoic acid (PFMPA)	AveID	1.585	1.572		0.992	1.00	-1.0	30.0
3:3 FTCA	AveID	0.0732	0.0684		1.87	2.00	-7.0	30.0
Perfluoropentanoic acid (PFPeA)	AveID	2.021	2.025		1.00	1.00	0.0	30.0
Perfluoro-4-methoxybutanoic acid (PFMBA)	AveID	2.070	1.902		0.919	1.00	-8.0	30.0
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	AveID	1.849	1.758		1.78	1.88	-5.0	30.0
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	AveID	0.2931	0.2830		0.966	1.00	-3.0	30.0
Perfluorohexanoic acid (PFHxA)	AveID	0.8305	0.8130		0.979	1.00	-2.0	30.0
5:3 FTCA	AveID	0.1021	0.0903		4.42	5.00	-12.0	30.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.034	1.063		0.914	0.888	3.0	30.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.036	1.034		0.749	0.750	0.0	30.0
Perfluorobutanesulfonamide (FBSA)	AveID	0.7082	0.6561		0.926	1.00	-7.0	30.0
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	AveID	2.969	3.036		0.912	0.892	2.0	30.0
Perfluoroheptanoic acid (PFHpA)	AveID	0.7451	0.7136		0.958	1.00	-4.0	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	3.341	3.561		1.01	0.946	7.0	30.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.176	1.084		0.866	0.940	-8.0	30.0
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	AveID	1.818	1.702		1.78	1.90	-6.0	30.0
Bis(trifluoromethane)sulfonamide (TFSI)	AveID	2.720	2.686		0.967	0.979	-1.0	30.0
Perfluorooctanoic acid (PFOA)	AveID	0.5754	0.4887		0.849	1.00	-15.0	30.0
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	AveID	0.0511	0.0459		4.49	5.00	-10.0	30.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.004	0.8796		0.799	0.912	-12.0	30.0
Perfluorononanoic acid (PFNA)	AveID	0.8128	0.8148		1.00	1.00	0.0	30.0
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	AveID	1.714	1.663		1.86	1.92	-3.0	30.0
Perfluoro-4-ethylcyclohexane sulfonic acid (PFECBS)	AveID	0.2420	0.2151		0.821	0.924	-11.0	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.346	1.401		0.993	0.954	4.0	30.0
NMeFOSAA	AveID	1.024	1.111		1.08	1.00	8.0	30.0
Perfluorohexanesulfonamide (FHxSA)	AveID	1.244	1.055		0.849	1.00	-15.0	30.0
Perfluorodecanoic acid (PFDA)	AveID	0.6022	0.5515		0.916	1.00	-8.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Lab Sample ID: CCV 410-739075/52

Calibration Date: 12/05/2025 05:26

Instrument ID: 30577

Calib Start Date: 12/03/2025 15:58

GC Column: Gemini C18 50mm ID: 3.00 (mm)

Calib End Date: 12/03/2025 17:33

Lab File ID: 25DEC04JO-49.d

Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.8386	0.7442		0.887	1.00	-11.0	30.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.503	1.530		0.947	0.930	2.0	30.0
Perfluoroundecanoic acid (PFUnA)	AveID	0.7939	0.8028		1.01	1.00	1.0	30.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	AveID	2.967	2.914		0.917	0.934	-2.0	30.0
Perfluorononanesulfonic acid (PFNS)	AveID	1.017	0.9815		0.928	0.962	-4.0	30.0
Perfluorododecanoic acid (PFDoA)	AveID	0.7349	0.7072		0.962	1.00	-4.0	30.0
Perfluorodecanesulfonic acid (PFDS)	AveID	1.195	1.204		0.971	0.964	1.0	30.0
Perfluorooctanesulfonamide	AveID	0.9572	0.9872		1.03	1.00	3.0	30.0
Perfluorotridecanoic acid (PFTrDA)	AveID	1.361	1.328		0.976	1.00	-2.0	30.0
11-Chloroeicosafluoro-3-oxau ndecane-1-sulfonic acid (11Cl-PF30UdS)	AveID	1.971	1.967		0.942	0.944	0.0	30.0
Perfluorotetradecanoic acid (PFTeDA)	AveID	0.1886	0.1864		0.988	1.00	-1.0	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	1.000	0.9244		0.897	0.970	-8.0	30.0
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	AveID	2.741	2.561		4.67	5.00	-7.0	30.0
N-methylperfluorooctane sulfonamide (NMeFOSA)	AveID	0.9942	0.9827		0.988	1.00	-1.0	30.0
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	AveID	3.355	3.550		5.29	5.00	6.0	30.0
N-ethylperfluorooctane sulfonamide (NEtFOSA)	AveID	0.9150	0.8657		0.946	1.00	-5.0	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	1.084	0.7339		0.677	1.00	-32.0*	30.0
13C3 PFPrA	Ave	0.6919	0.6511		1.88	2.00	-6.0	30.0
13C4 PFBA	Ave	1.050	1.020		1.94	2.00	-3.0	30.0
13C5 PFPeA	Ave	0.5406	0.5323		1.97	2.00	-2.0	30.0
M2-4:2 FTS	Ave	0.2277	0.2100		4.33	4.69	-8.0	30.0
13C5 PFHxA	Ave	1.129	1.100		1.95	2.00	-3.0	30.0
13C3 PFBS	Ave	1.231	1.166		1.77	1.86	-5.0	30.0
13C3 HFPO-DA	Ave	0.8605	0.7823		1.82	2.00	-9.0	30.0
13C4 PFHpA	Ave	1.186	1.127		1.90	2.00	-5.0	30.0
M2-6:2 FTS	Ave	0.1978	0.1804		4.34	4.76	-9.0	30.0
13C8 PFOA	Ave	1.027	1.040		2.03	2.00	1.0	30.0
13C3 PFHxS	Ave	1.002	1.054		1.99	1.90	5.0	30.0
13C9 PFNA	Ave	0.9792	0.9690		1.98	2.00	-1.0	30.0
13C2 8:2 FTS	Ave	0.1849	0.1742		4.52	4.80	-6.0	30.0
d3-NMeFOSAA	Ave	0.4179	0.3753		4.49	5.00	-10.0	30.0
13C6 PFDA	Ave	1.020	1.043		2.04	2.00	2.0	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-254628-1
Environment Testing, LLC

SDG No.: _____

Lab Sample ID: CCV 410-739075/52 Calibration Date: 12/05/2025 05:26

Instrument ID: 30577 Calib Start Date: 12/03/2025 15:58

GC Column: Gemini C18 50mm ID: 3.00 (mm) Calib End Date: 12/03/2025 17:33

Lab File ID: 25DEC04JO-49.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
d5-NEtFOSAA	Ave	0.3695	0.3476		4.70	5.00	-6.0	30.0
13C8 PFOS	Ave	1.004	0.9679		1.85	1.92	-4.0	30.0
13C7 PFUnA	Ave	1.114	1.094		1.96	2.00	-2.0	30.0
13C2 PFDoA	Ave	1.021	0.9948		1.95	2.00	-3.0	30.0
13C8 FOSA	Ave	1.174	1.039		1.77	2.00	-12.0	30.0
13C2 PFTeDA	Ave	0.6354	0.6416		2.02	2.00	1.0	30.0
d7-N-MeFOSE-M	Ave	0.0854	0.0861		5.04	5.00	1.0	30.0
d3-NMePFOSA	Ave	0.3381	0.3257		1.93	2.00	-4.0	30.0
d9-N-EtFOSE-M	Ave	0.1017	0.0894		4.40	5.00	-12.0	30.0
d5-NEtPFOSA	Ave	0.4089	0.4031		1.97	2.00	-1.0	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30577\20251204-168875.b\25DEC04JO-49.d
 Lims ID: CCV 6_CAL4
 Client ID:
 Sample Type: CCV
 Inject. Date: 05-Dec-2025 05:26:15 ALS Bottle#: 5 Worklist Smp#: 52
 Injection Vol: 7.0 ul Dil. Factor: 1.0000
 Sample Info: CCV 2_CAL4
 Misc. Info.: Plate: 1 Rack: 1 410-0168875-002
 Operator ID: ETUS023_USR_INS00009 Instrument ID: 30577
 Sublist: chrom-30577-1633-125*sub7
 Method: \\chromfs\Lancaster\ChromData\30577\20251204-168875.b\30577-1633-125.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 05-Dec-2025 12:43:11 Calib Date: 03-Dec-2025 17:33:28
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\25DEC03CAL-08.d

Column 1 : Det: EXP1
 Process Host: CTX1607

First Level Reviewer: DX7G Date: 05-Dec-2025 12:34:44

Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C3PFPrA										
166.00 > 121.00	2.014	2.039	-0.025	0.486	983034	1.88		94.1	2154	
2 Perfluoropropionic acid										
163.00 > 119.00	2.006	2.056	-0.050	0.996	2339580	4.98		99.6	15286	
3 PFBA										
212.80 > 168.90	4.138	4.132	0.006	0.998	1417636	1.98		99.2	16937	
D 4 13C4-PFBA										
216.80 > 171.90	4.144	4.132	0.012	1.000	1540152	1.94		97.2	9750	
* 5 13C3PFBA										
216.00 > 172.00	4.144	4.138	0.006		1509740	2.00			3585	
6 PFMPA										
229.00 > 84.90	4.491	4.475	0.016	0.931	728190	0.99		99.2	2918	
7 3:3 FTCA										
241.00 > 177.00	4.516	4.499	0.017	0.936	63344	1.87	Target=1.11	93.4	691	
241.00 > 117.00	4.516	4.499	0.017	0.936	55717		1.14(0.56-1.67)		351	
9 PFPA										
263.00 > 219.00	4.831	4.817	0.014	1.002	938360	1.00		100	685	
D 8 13C5 PFPeA										
268.30 > 223.00	4.824	4.817	0.007	0.914	926659	1.97		98.5	3438	
10 PFMBBA										
279.00 > 85.10	4.979	4.963	0.016	1.032	881475	0.9191		91.9	4426	
12 4:2FTS										
327.10 > 307.00	5.106	5.085	0.021	1.000	614744	1.78	Target=1.70	95.1	4386	
327.10 > 80.90	5.106	5.085	0.021	1.000	384640		1.60(0.85-2.55)		2869	
D 11 13C2-4:2FTS										
329.10 > 80.90	5.106	5.085	0.021	0.808	874075	4.33		92.2	4131	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.240	5.229	0.011	0.993	270963	0.9657	Target=1.56	96.6	1231	
295.00 > 84.90	5.240	5.229	0.011	0.993	190913		1.42(0.78-2.34)		869	
D 15 13C5 PFHxA										
318.00 > 273.00	5.279	5.270	0.009	1.000	1914873	1.95		97.5	3127	
* 16 13C2 PFHxA										
315.10 > 270.00	5.279	5.270	0.009		4352546	5.00			5806	
17 PFHxA										
313.00 > 269.00	5.279	5.270	0.009	1.000	778437	0.9789	Target=10.34	97.9	3817	
313.00 > 118.90	5.289	5.270	0.019	1.002	78042		9.97(5.17-15.52)		751	
18 5:3 FTCA										
341.00 > 237.10	5.369	5.358	0.011	1.017	432283	4.42	Target=0.69	88.4	1274	
341.00 > 217.00	5.369	5.358	0.011	1.017	659857		0.66(0.35-1.04)		555	
D 19 13C3 PFBS										
302.10 > 79.90	5.411	5.400	0.011	0.857	1928846	1.77		94.7	6168	
20 PFBS										
298.70 > 79.90	5.411	5.400	0.011	1.000	977141	0.9135	Target=2.94	103	3353	
298.70 > 98.80	5.411	5.400	0.011	1.000	321117		3.04(1.47-4.41)		1654	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.465	5.454	0.011	1.035	1361920	1.82		90.9	6284	
23 HFPO-DA										
284.90 > 168.90	5.465	5.454	0.011	1.000	528325	0.7492	Target=2.33	99.9	1830	
284.90 > 184.90	5.465	5.454	0.011	1.000	226065		2.34(1.16-3.49)		2648	
21 FBSA										
297.90 > 78.00	5.498	5.487	0.011	1.016	678904	0.9264		92.6	2783	
26 PFEESA										
314.80 > 134.90	5.641	5.640	0.001	1.069	2592829	0.9122	Target=13.08	102	7839	
314.80 > 82.90	5.641	5.640	0.001	1.069	186338		13.91(6.54-19.62)		835	
D 28 13C4 PFHpA										
367.10 > 322.00	5.697	5.684	0.013	1.079	1961676	1.90		95.0	4931	
27 PFHpA										
363.10 > 319.00	5.709	5.684	0.025	1.002	699904	0.9577	Target=1.78	95.8	1718	
363.10 > 169.00	5.709	5.684	0.025	1.002	411510		1.70(0.89-2.67)		990	
29 ADONA										
376.90 > 250.90	5.855	5.842	0.013	1.071	2294019	1.01	Target=2.07	107	4612	
376.90 > 84.80	5.855	5.842	0.013	1.071	1077085		2.13(1.04-3.11)		5092	
30 PFPeS										
349.10 > 79.90	5.888	5.876	0.012	0.932	952875	0.8663	Target=3.11	92.2	3203	
349.10 > 98.90	5.888	5.876	0.012	0.932	308315		3.09(1.56-4.67)		1910	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.899	5.887	0.012	0.934	762366	4.34		91.2	3546	
31 6:2FTS										
427.10 > 407.00	5.899	5.887	0.012	1.000	519125	1.78	Target=1.69	93.6	144	
427.10 > 80.90	5.899	5.887	0.012	1.000	338931		1.53(0.85-2.54)		160	
33 BTS										
280.00 > 147.00	6.036	6.024	0.012	0.956	2459317	0.9668		98.8	4868	
* 34 13C4 PFOA										
417.10 > 372.00	6.103	6.093	0.010		7002196	5.00			5035	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 35 13C8 PFOA										
421.10 > 376.00	6.103	6.093	0.010	1.000	2911554	2.03		101	10233	
36 PFOA										
413.00 > 369.00	6.103	6.093	0.010	1.000	711402	0.8493	Target=1.59	84.9	952	
413.00 > 169.00	6.103	6.093	0.010	1.000	461154		1.54(0.80-2.39)		535	
37 7:3 FTCA										
441.00 > 316.90	6.195	6.204	-0.009	1.173	219609	4.49	Target=0.30	89.9	688	
441.00 > 336.90	6.195	6.204	-0.009	1.173	875261		0.25(0.15-0.45)		2035	
D 38 13C3 PFHxS										
402.10 > 79.90	6.316	6.306	0.010	1.000	1773147	1.99		105	5545	
40 PFHxS										
398.70 > 79.90	6.316	6.315	0.001	1.000	750202	0.7991	Target=3.25	87.6	1741	
398.70 > 98.90	6.316	6.315	0.001	1.000	238518		3.15(1.63-4.88)		426	
* 39 18O2 PFHxS										
403.00 > 83.90	6.316	6.315	0.001		1682933	1.90			4443	
* 42 13C5 PFNA										
468.00 > 423.00	6.499	6.488	0.011		2388945	2.00			5338	
D 41 13C9 PFNA										
472.10 > 427.00	6.499	6.488	0.011	1.000	2314938	1.98		99.0	5764	
43 PFNA										
463.00 > 419.00	6.499	6.499	0.0	1.000	943075	1.00	Target=1.99	100	1144	
463.00 > 219.00	6.489	6.499	-0.010	0.998	465691		2.03(1.00-2.99)		441	
D 44 13C2-8:2FTS										
529.10 > 80.90	6.676	6.676	0.0	1.057	742348	4.52		94.2	2393	
45 8:2FTS										
527.10 > 507.00	6.676	6.676	0.0	1.000	493870	1.86	Target=1.75	97.0	1173	
527.10 > 80.80	6.676	6.676	0.0	1.000	291693		1.69(0.88-2.63)		1037	
46 PFECHS										
461.00 > 381.00	6.696	6.705	-0.009	1.060	185836	0.8212	Target=0.21	88.9	636	
461.00 > 99.00	6.696	6.705	-0.009	1.060	920991		0.20(0.10-0.31)		3220	
47 PFHpS										
449.00 > 79.90	6.735	6.735	0.0	0.942	962005	0.99	Target=3.35	104	3191	
449.00 > 98.80	6.735	6.735	0.0	0.942	274240		3.51(1.68-5.03)		2079	
D 49 d3-NMeFOSAA										
573.20 > 419.00	6.843	6.843	0.0	0.957	1395720	4.49		89.8	3590	
50 NMeFOSAA										
570.10 > 419.00	6.853	6.843	0.010	1.001	310104	1.08	Target=1.72	108	91.4	
570.10 > 483.00	6.843	6.843	0.0	1.000	171127		1.81(0.86-2.58)		382	
48 FHxSA										
397.90 > 78.00	6.881	6.890	-0.009	1.090	987047	0.8486		84.9	3384	
D 52 13C6 PFDA										
519.10 > 474.10	6.890	6.899	-0.009	0.999	2449564	2.04		102	6173	
* 51 13C2 PFDA										
515.10 > 470.10	6.899	6.899	0.0		2348532	2.00			5575	
53 PFDA										
512.90 > 469.00	6.899	6.899	0.0	1.001	675448	0.9157	Target=2.79	91.6	3684	
512.90 > 219.00	6.899	6.899	0.0	1.001	252379		2.68(1.39-4.18)		1493	

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	7.016	7.016	0.0	0.981	1292913	4.70		94.1	3021	
55 NEtFOSAA										
584.20 > 419.10	7.025	7.025	0.0	1.001	192425	0.8873	Target=1.36	88.7	360	
584.20 > 526.00	7.025	7.025	0.0	1.001	164718		1.17(0.68-2.04)		328	
D 56 13C8 PFOS										
507.10 > 79.90	7.148	7.148	0.0	1.000	1379358	1.85		96.4	1752	
58 PFOS										
498.90 > 79.90	7.148	7.148	0.0	1.000	1024223	0.9467	Target=4.13	102	1840	
498.90 > 98.80	7.148	7.148	0.0	1.000	235241		4.35(2.07-6.20)		729	
* 57 13C4 PFOS										
502.80 > 79.90	7.148	7.148	0.0		1425147	1.92			6857	
D 59 13C7 PFUnA										
570.00 > 525.10	7.301	7.301	0.0	1.058	2568781	1.96		98.2	8566	
60 PFUnA										
563.10 > 519.00	7.292	7.301	-0.009	0.999	1031121	1.01	Target=6.23	101	3557	
563.10 > 269.10	7.301	7.301	0.0	1.000	169239		6.09(3.12-9.35)		837	
61 9ClFOS										
530.80 > 351.00	7.462	7.462	0.0	1.044	1959341	0.9173	Target=3.01	98.2	4313	
532.80 > 353.00	7.462	7.462	0.0	1.044	637948		3.07(1.50-4.51)		3216	
62 PFNS										
548.80 > 79.90	7.554	7.554	0.0	1.057	679748	0.9282	Target=3.21	96.5	5163	
548.80 > 98.80	7.554	7.554	0.0	1.057	194780		3.49(1.61-4.82)		1081	
63 PFDoA										
613.10 > 569.00	7.697	7.697	0.0		826142	0.9622	Target=4.51	96.2	3294	
613.10 > 319.00	7.697	7.697	0.0		189101		4.37(2.25-6.76)		1101	
D 81 PFDoA										
615.10 > 570.00	7.697	7.697	0.0	1.116	2336429	1.95		97.5	4510	
66 PFDS										
599.00 > 79.90	7.937	7.946	-0.009	1.110	835671	0.9712	Target=3.42	101	2386	
599.00 > 98.80	7.937	7.946	-0.009	1.110	256901		3.25(1.71-5.12)		1834	
64 PFOSA										
498.10 > 77.90	7.964	7.955	0.009	1.000	762912	1.03	Target=43.61	103	1850	
498.10 > 478.00	7.973	7.955	0.018	1.001	17658		43.20(21.80-65.41)		46.5	
D 65 13C8 FOSA										
506.10 > 77.80	7.964	7.964	0.0	1.114	1545576	1.77		88.5	4509	
67 PFTTrDA										
663.00 > 619.00	8.090	8.099	-0.009	0.956	1276237	0.9759	Target=7.60	97.6	3790	
663.00 > 168.90	8.090	8.099	-0.009	0.956	175005		7.29(3.80-11.40)		919	
68 11ClFOS										
630.90 > 450.90	8.240	8.250	-0.010	1.153	1337029	0.9420	Target=3.18	99.8	6051	
632.90 > 452.90	8.240	8.250	-0.010	1.153	411835		3.25(1.59-4.76)		4692	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.465	8.474	-0.009	1.227	1506913	2.02		101	4716	
69 PFTeDA										
713.10 > 168.90	8.465	8.483	-0.018	1.000	140437	0.9881	Target=1.14	98.8	935	
713.10 > 219.00	8.465	8.483	-0.018	1.000	121831		1.15(0.57-1.70)		964	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
71 PFDoS										
699.10 > 79.90	8.659	8.677	-0.018	1.211	645493	0.8966	Target=3.63	92.4	3214	
699.10 > 98.80	8.668	8.677	-0.009	1.213	172100		3.75(1.81-5.44)		1989	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.825	8.833	-0.008	1.235	320096	5.04		101	645	
73 N-MeFOSE-M										
616.10 > 58.90	8.845	8.843	0.002	1.002	819734	4.67		93.4	1047	
D 75 d3-NMePFOSA										
515.00 > 219.00	8.943	8.941	0.002	1.251	484567	1.93		96.3	3903	
74 NMeFOSA										
511.90 > 219.00	8.943	8.950	-0.007	1.000	238085	0.9884	Target=0.68	98.8	1261	
511.90 > 169.00	8.951	8.950	0.001	1.001	339018		0.70(0.34-1.02)		637	
D 76 d9-N-EtFOSE										
639.20 > 58.90	9.067	9.065	0.002	1.268	332559	4.40		88.0	664	
77 N-EtFOSE-M										
630.00 > 58.90	9.081	9.079	0.002	1.002	1180447	5.29		106	1940	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.151	9.163	-0.012	1.280	599645	1.97		98.6	2019	
79 N-EtFOSA-M										
526.00 > 219.00	9.165	9.177	-0.012	1.001	259561	0.9461	Target=0.84	94.6	1320	
526.00 > 169.00	9.165	9.177	-0.012	1.001	309174		0.84(0.42-1.26)		1005	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.347	9.384	-0.037	1.104	552963	0.6772	Target=15.84	67.7	5910	
913.00 > 169.00	9.347	9.384	-0.037	1.104	32720		16.90(7.92-23.77)		1711	

QC Flag Legend

Processing Flags

Reagents:

1633_125_CAL4_00077

Amount Added: 1.00

Units: mL

Data File: \\chromfs\Lancaster\ChromData\30577\20251204-168875.b\25DEC04JO-49.d

Injection Date: 05-Dec-2025 05:26:15

Instrument ID: 30577

Lims ID: CCV 6_CAL4

Client ID:

Operator ID: ETUS023_USR_INS00009

ALS Bottle#: 5

Worklist Smp#: 52

Injection Vol: 7.0 ul

Dil. Factor: 1.0000

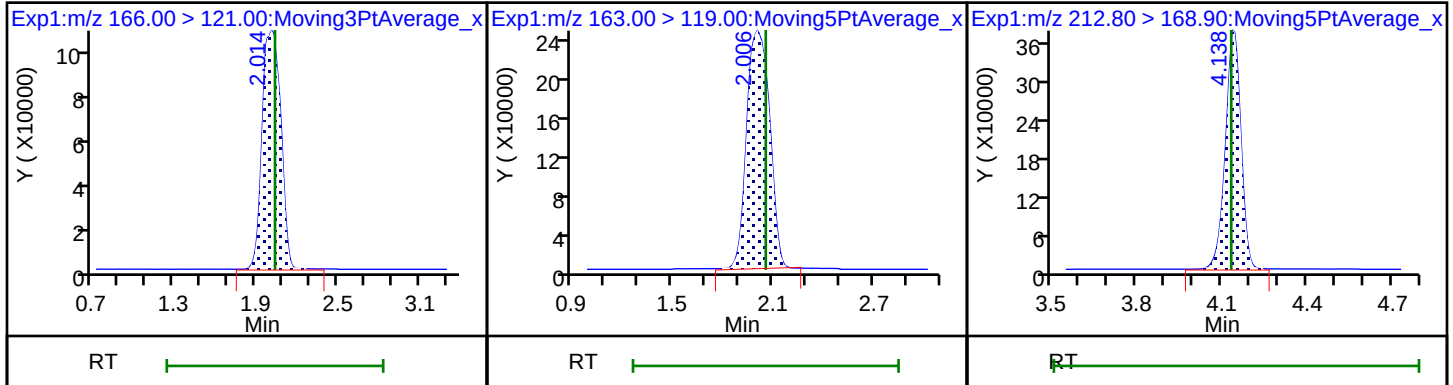
Method: 30577-1633-125

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid

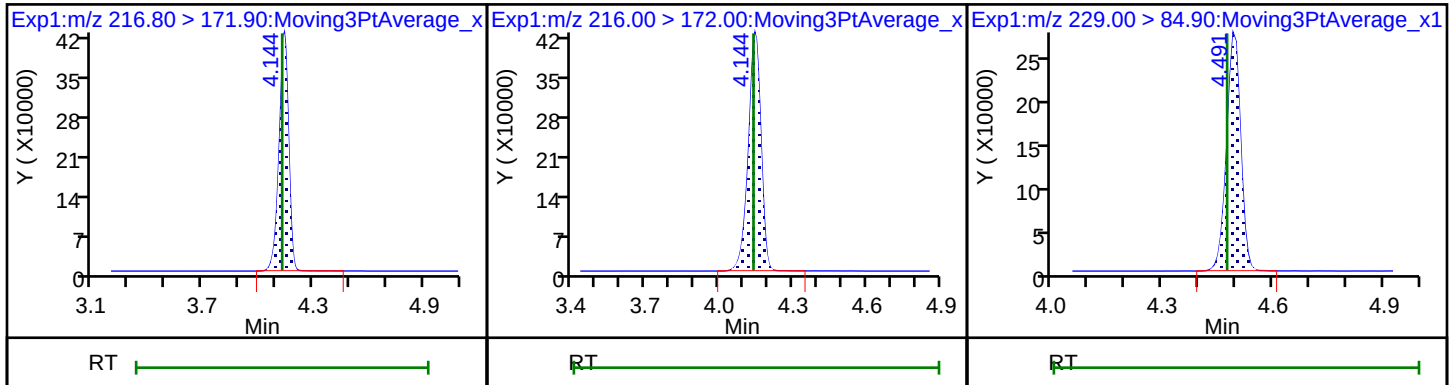
3 PFBA



D 4 13C4-PFBA

* 5 13C3PFBA

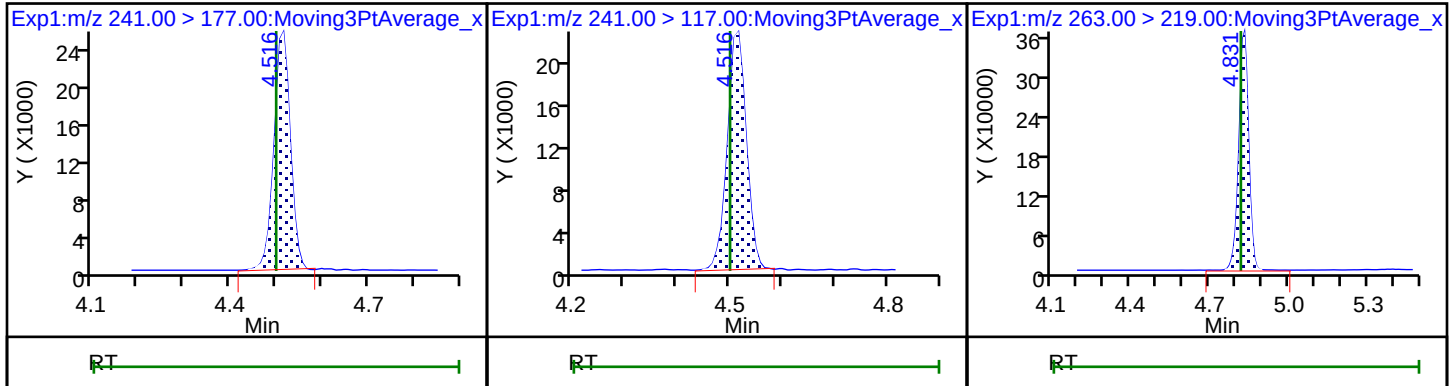
6 PFMPA



7 3:3 FTCA

7 3:3 FTCA

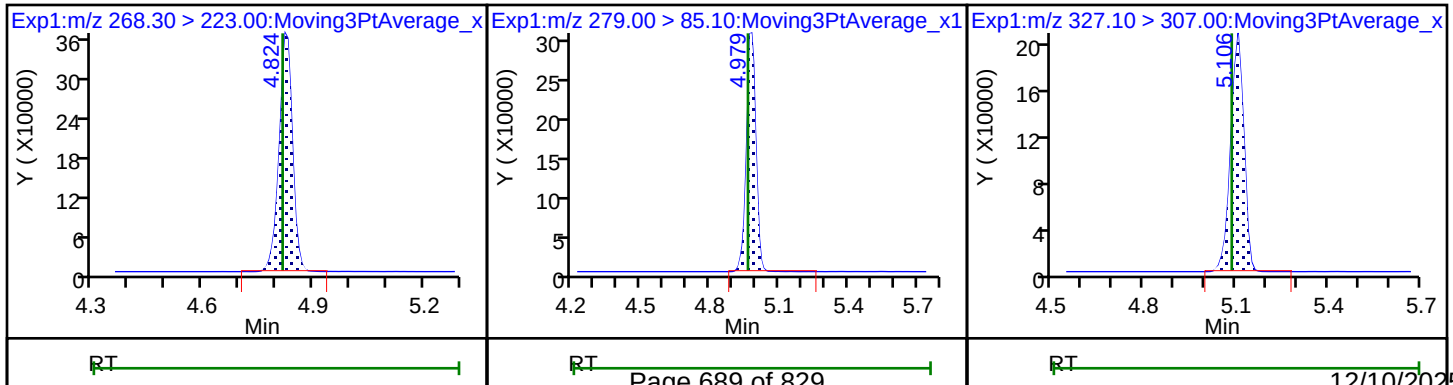
9 PFPA

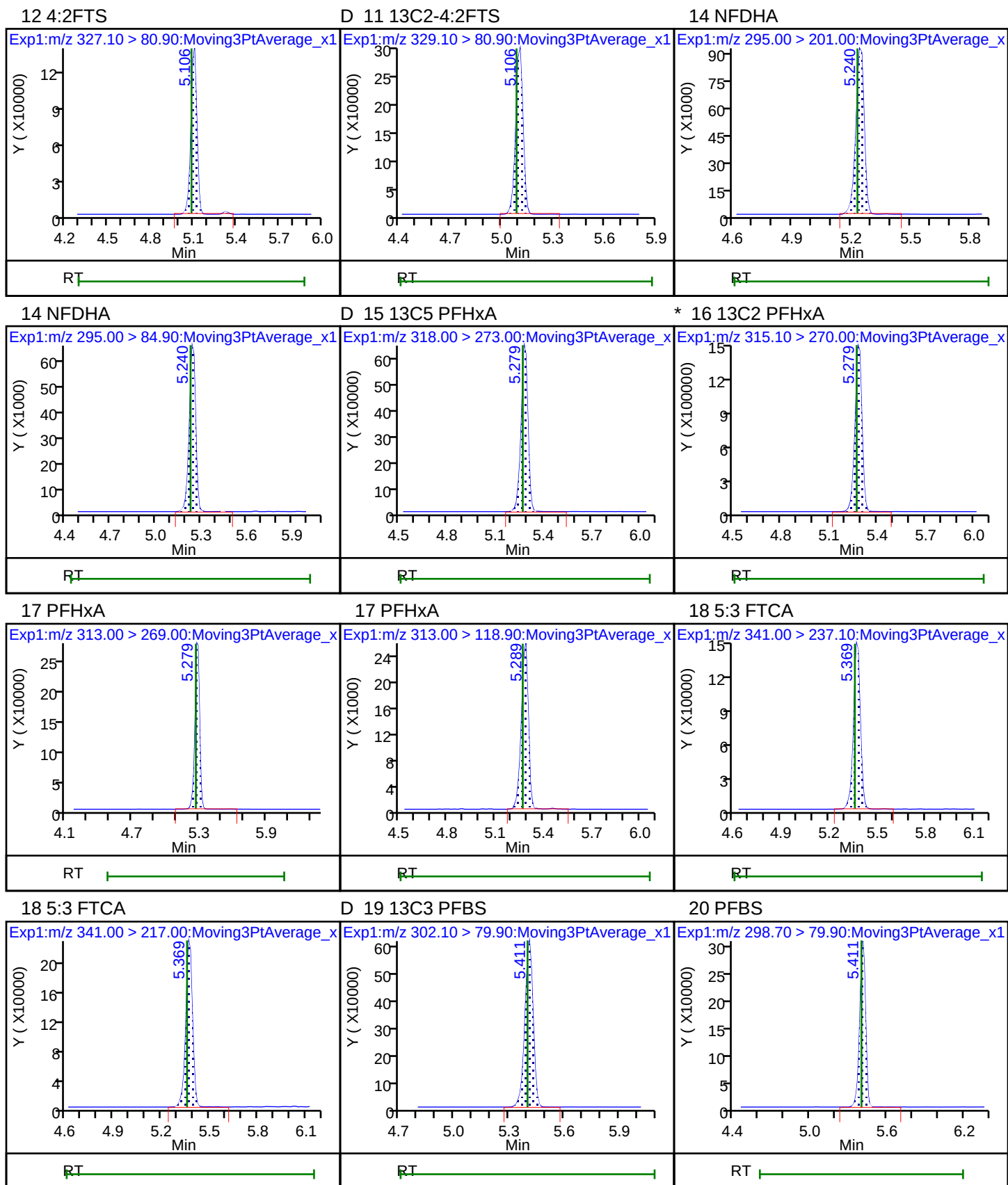


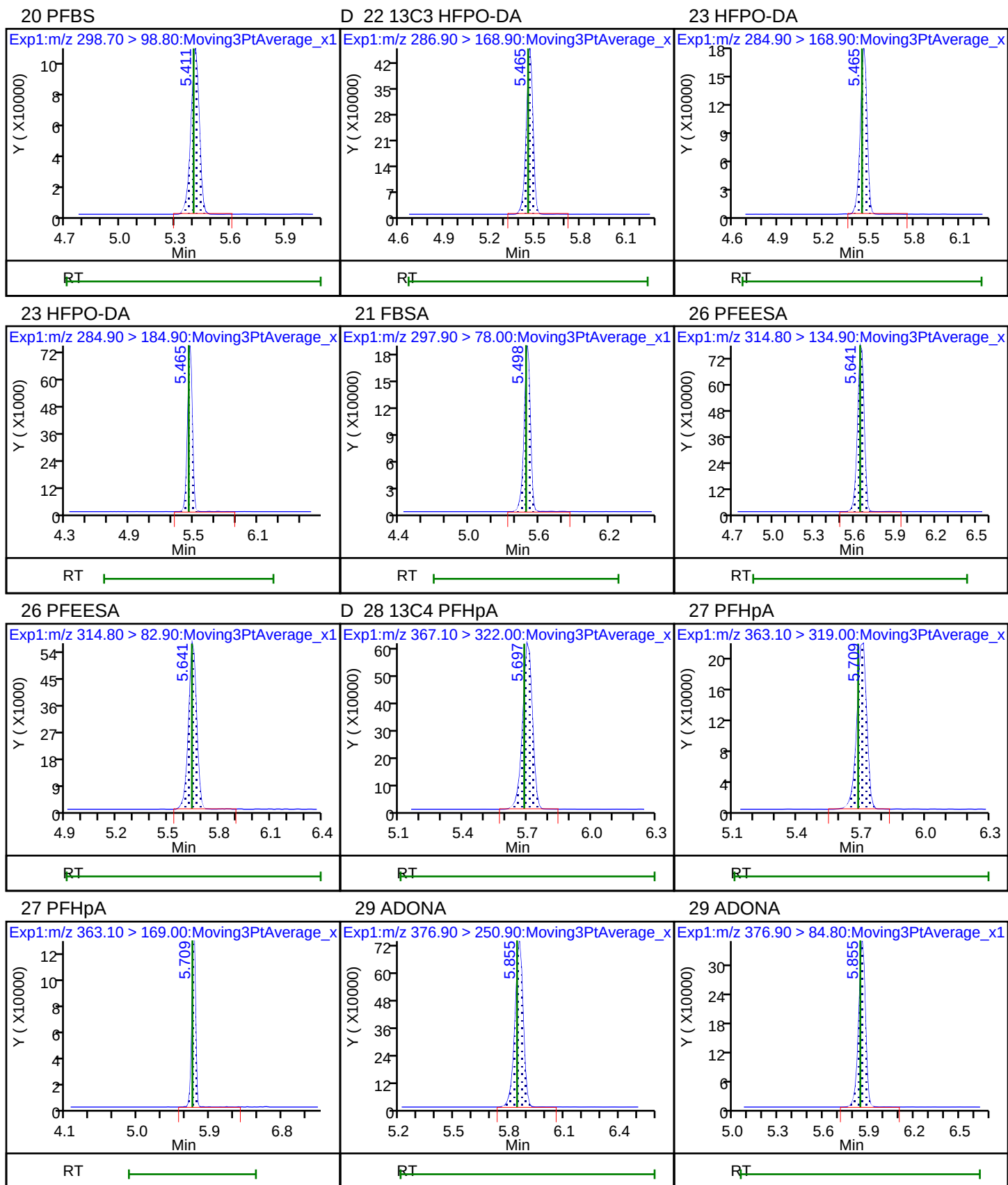
D 8 13C5 PFPeA

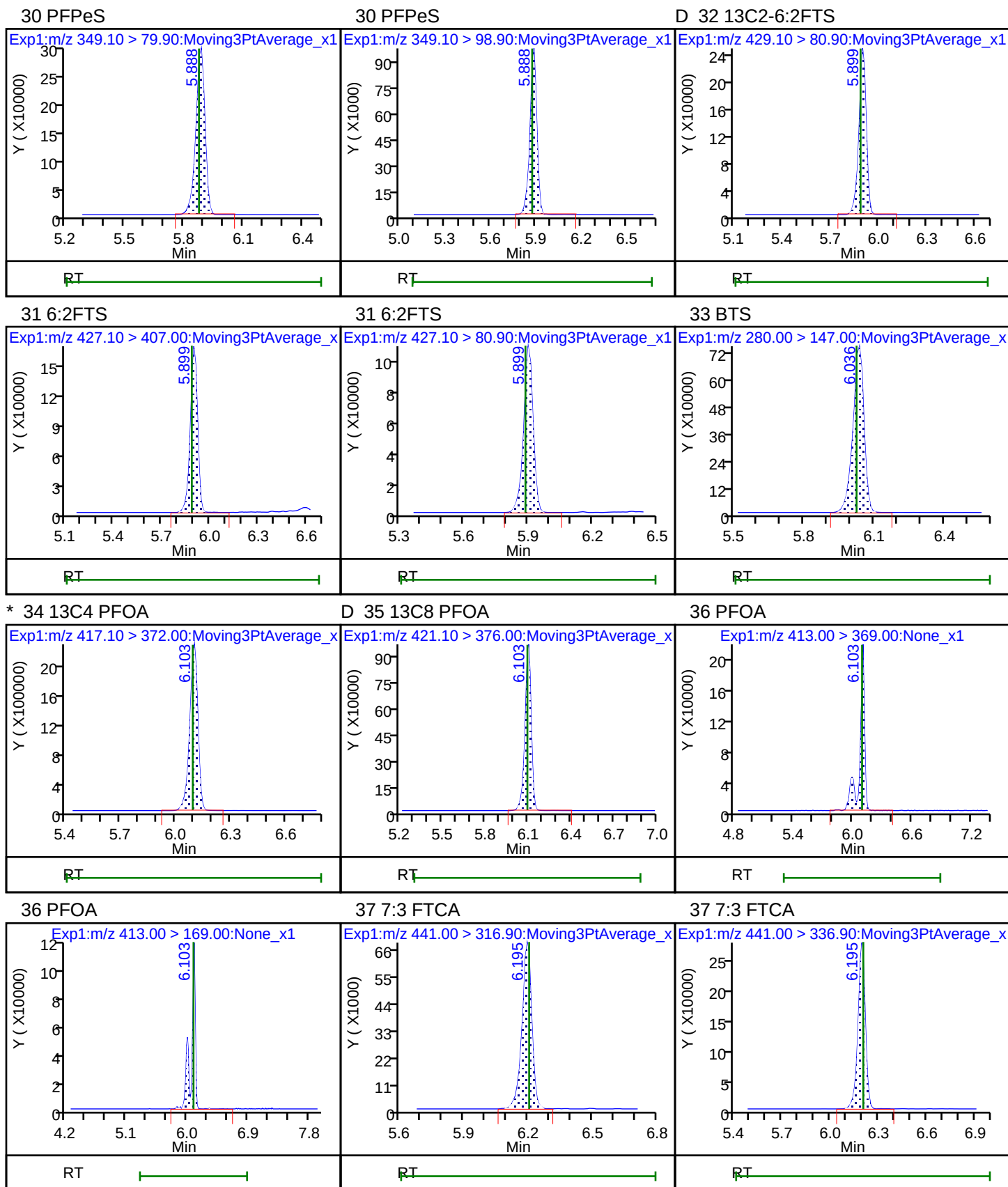
10 PFMBa

12 4:2FTS





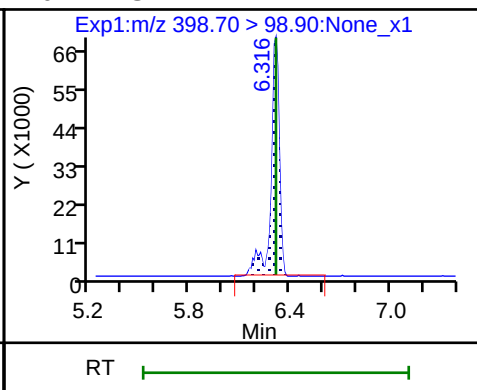
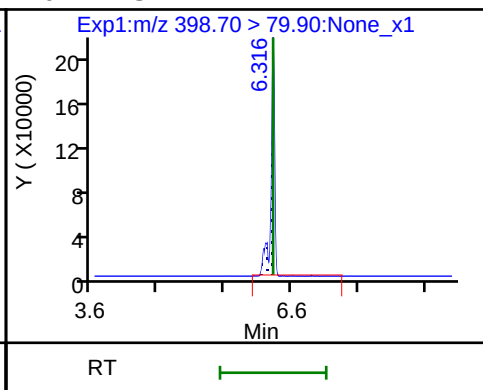
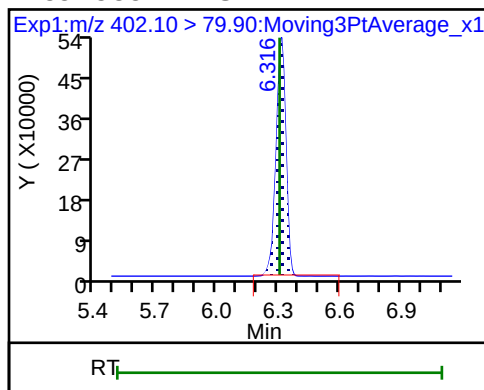




D 38 13C3 PFHxS

40 PFHxS

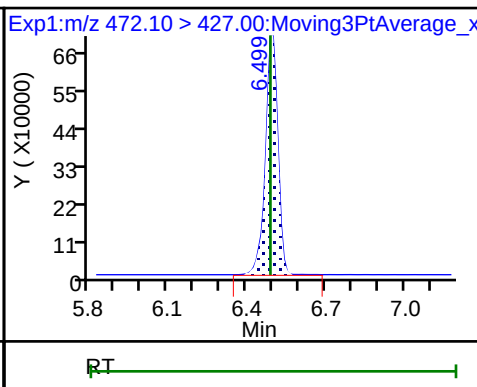
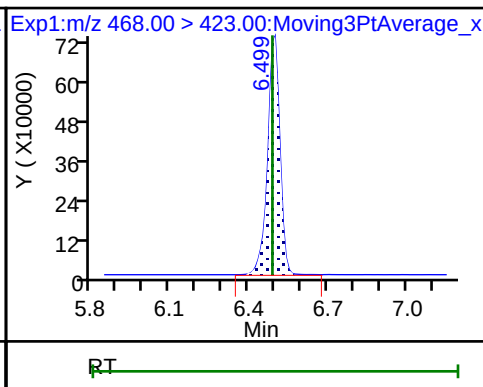
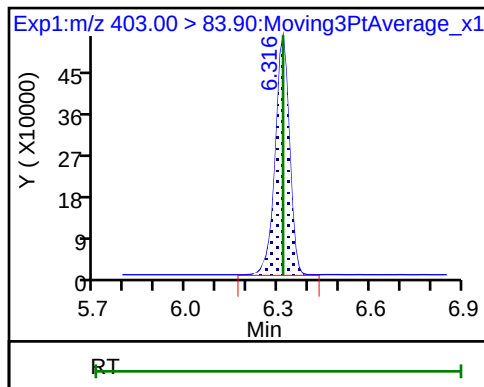
40 PFHxS



* 39 18O2 PFHxS

* 42 13C5 PFNA

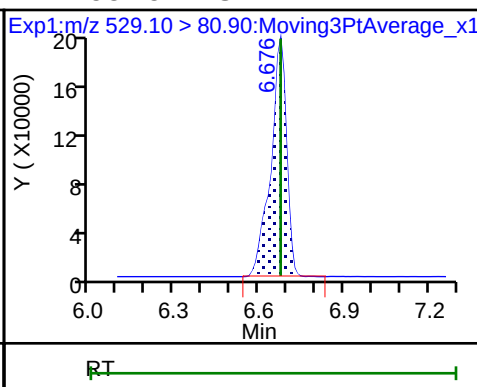
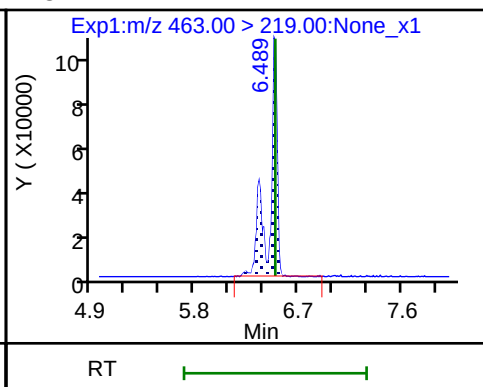
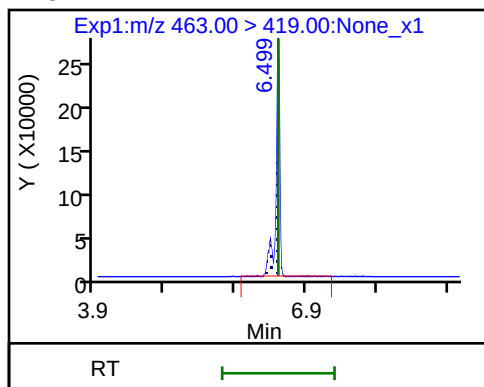
D 41 13C9 PFNA



43 PFNA

43 PFNA

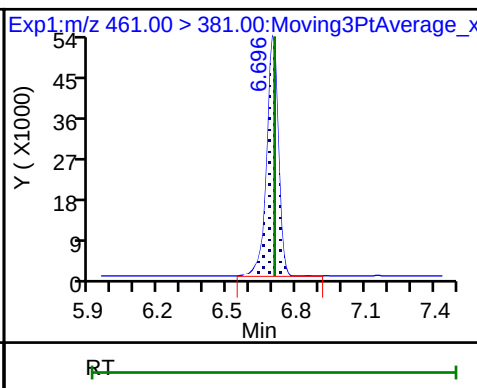
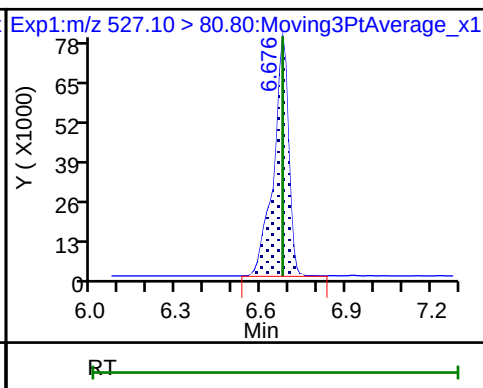
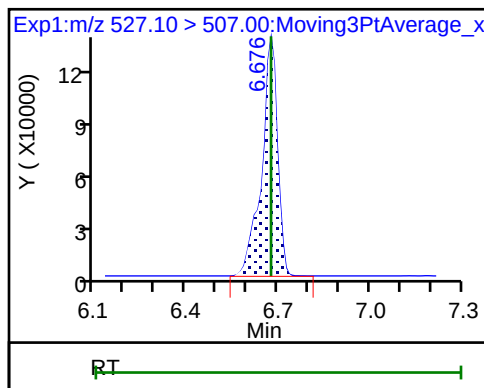
D 44 13C2-8:2FTS



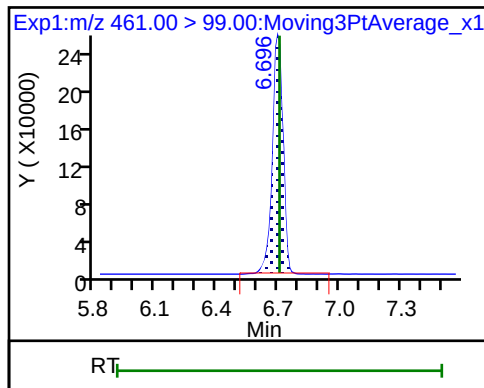
45 8:2FTS

45 8:2FTS

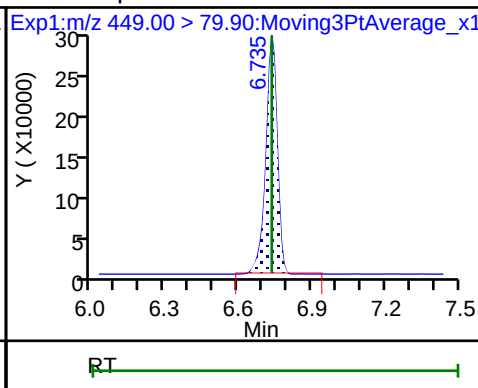
46 PFECHS



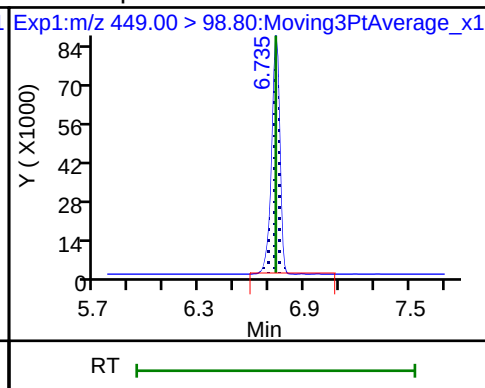
46 PFECHS



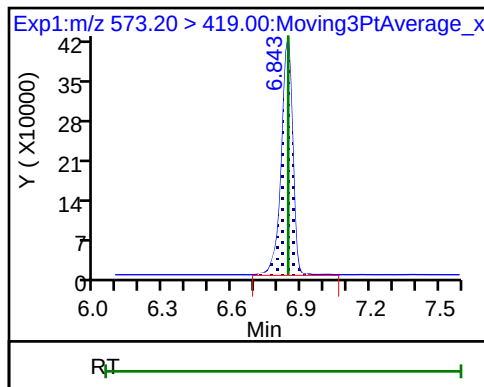
47 PFHpS



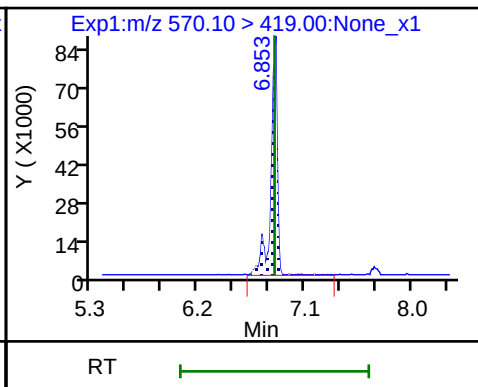
47 PFHpS



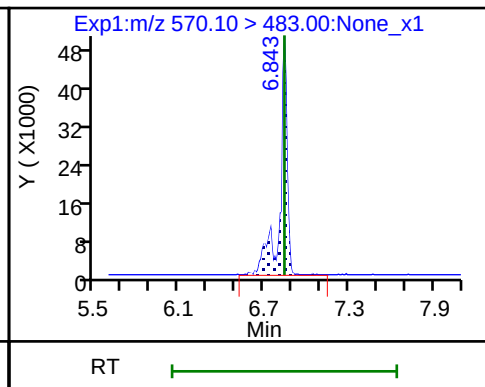
D 49 d3-NMeFOSAA



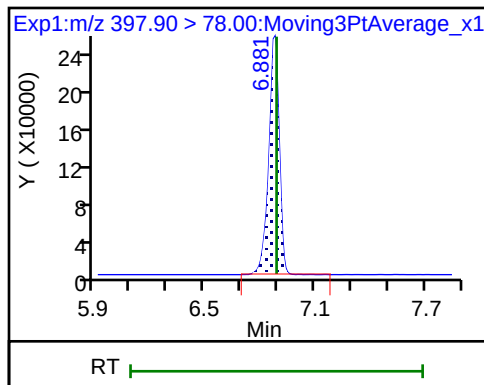
50 NMeFOSAA



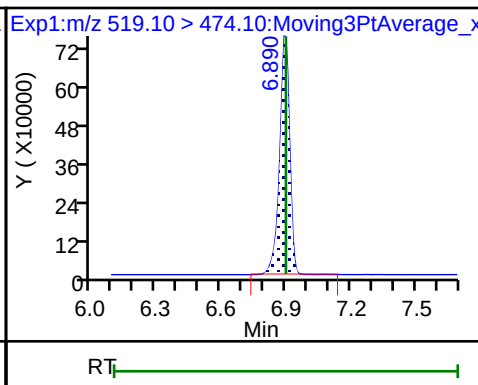
50 NMeFOSAA



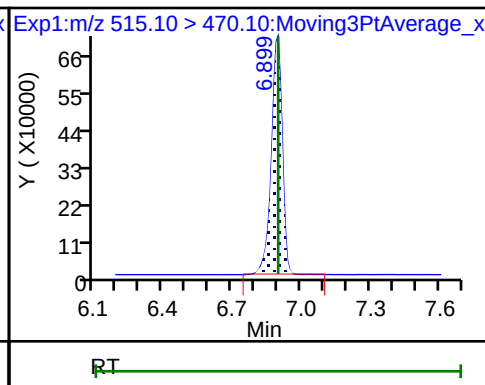
48 FHxSA



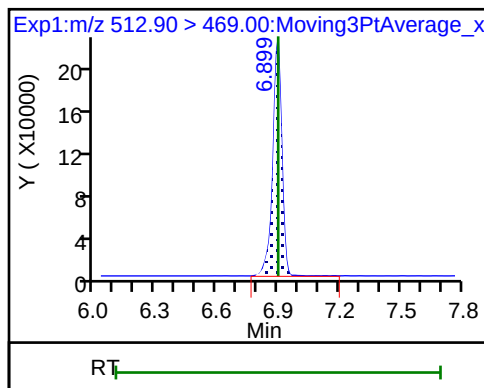
D 52 13C6 PFDA



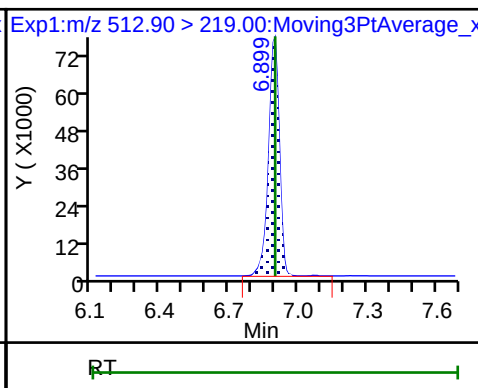
* 51 13C2 PFDA



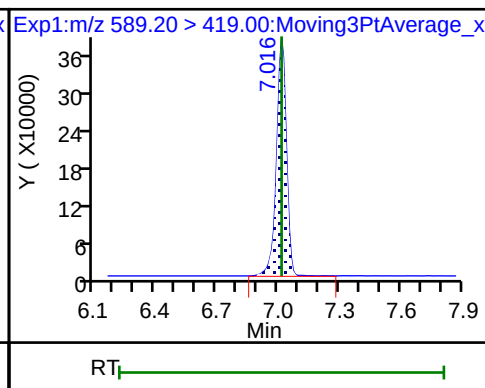
53 PFDA

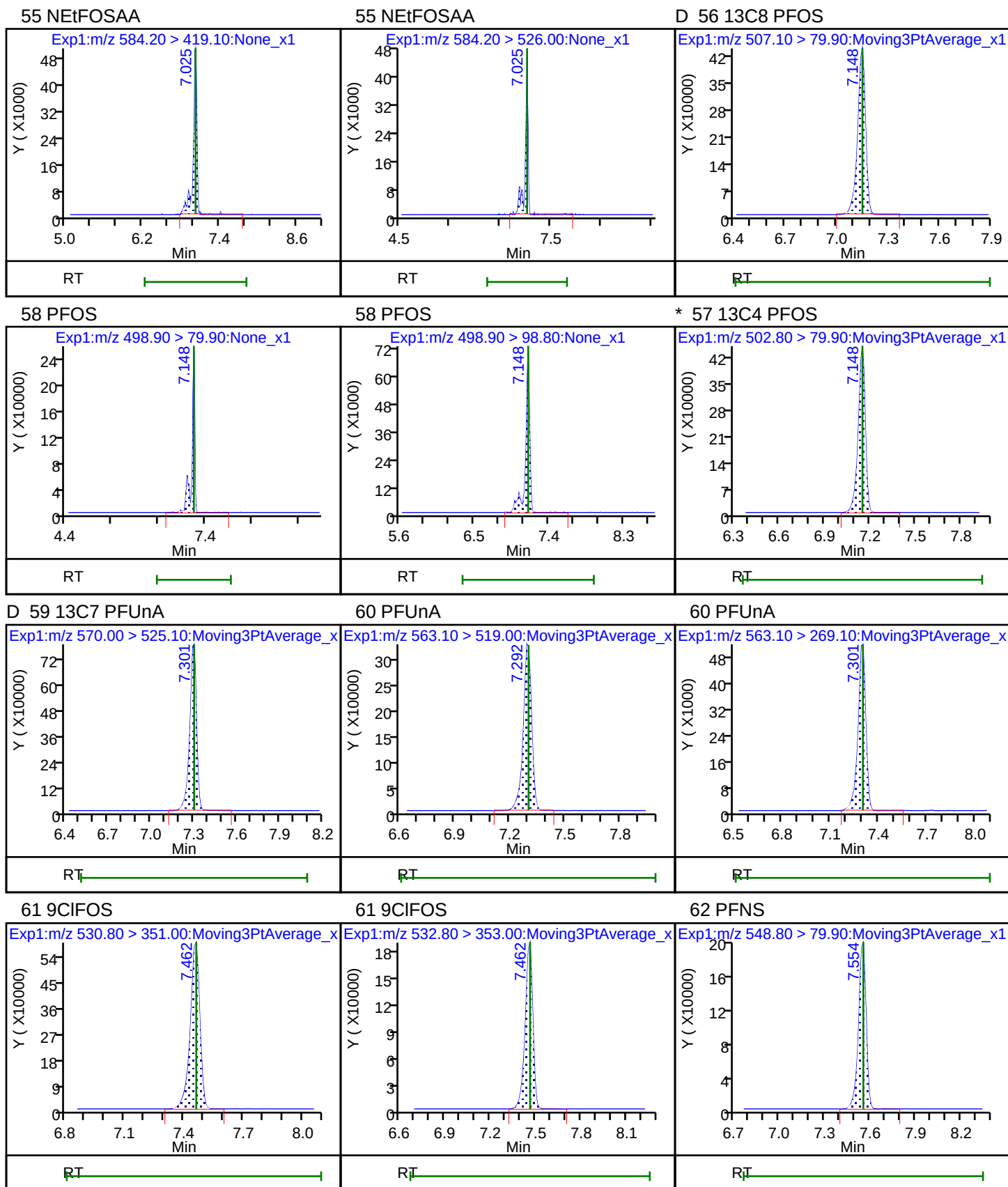


53 PFDA

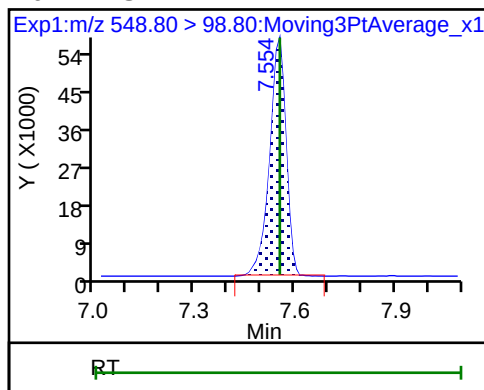


D 54 d5-NEtFOSAA

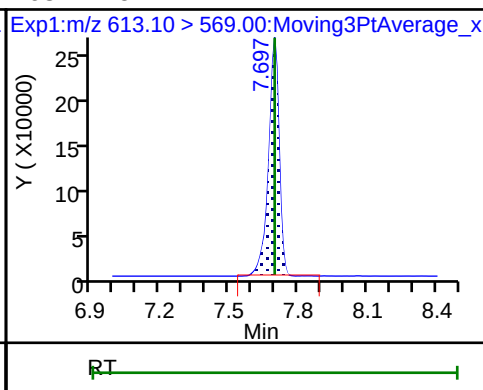




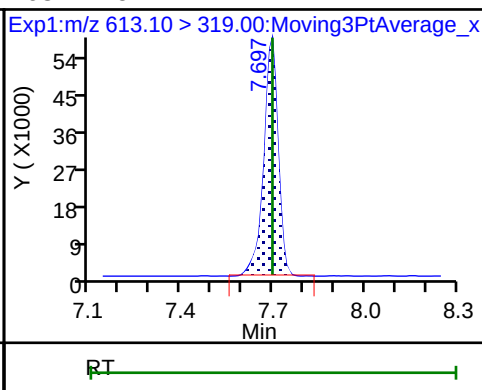
62 PFNS



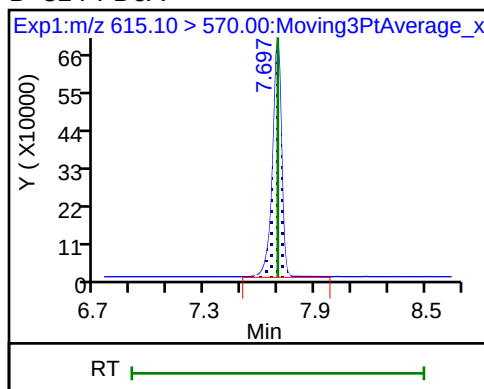
63 PFDaA



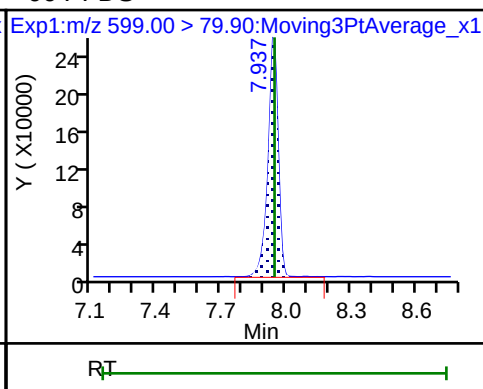
63 PFDaA



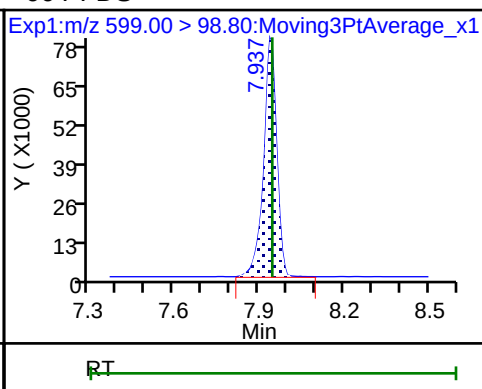
D 81 PFDaA



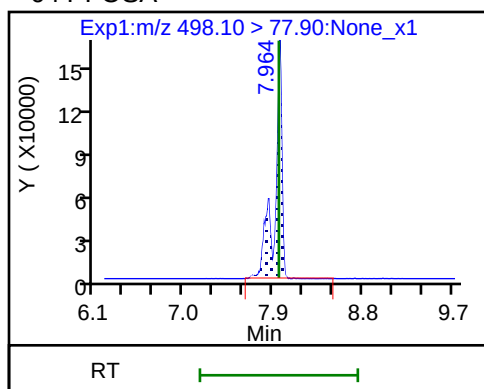
66 PFDS



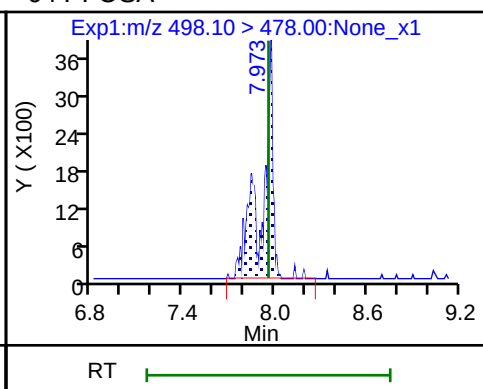
66 PFDS



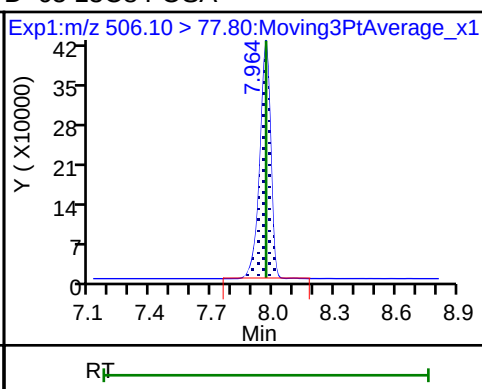
64 PFOSA



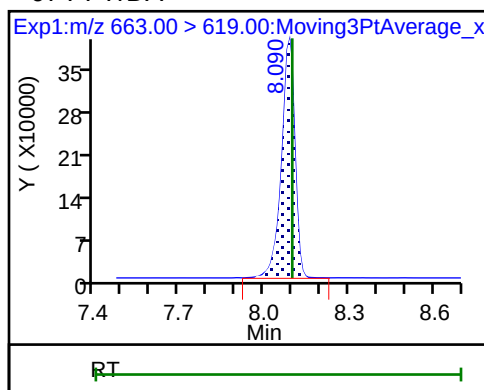
64 PFOSA



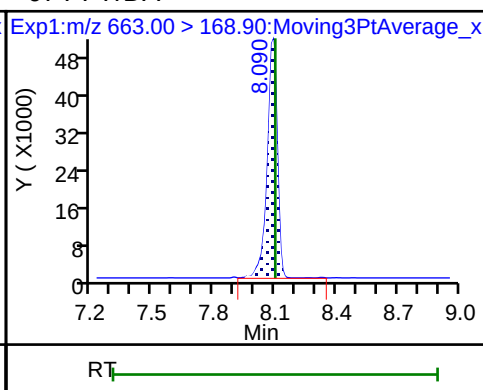
D 65 13C8 FOSA



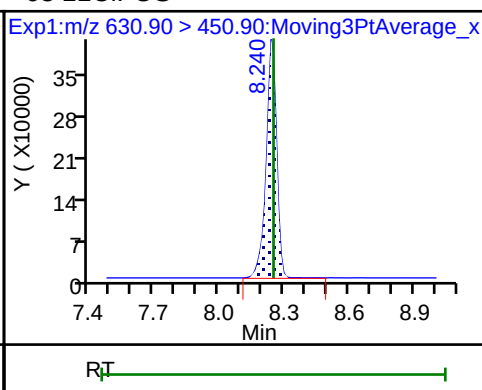
67 PFTTrDA

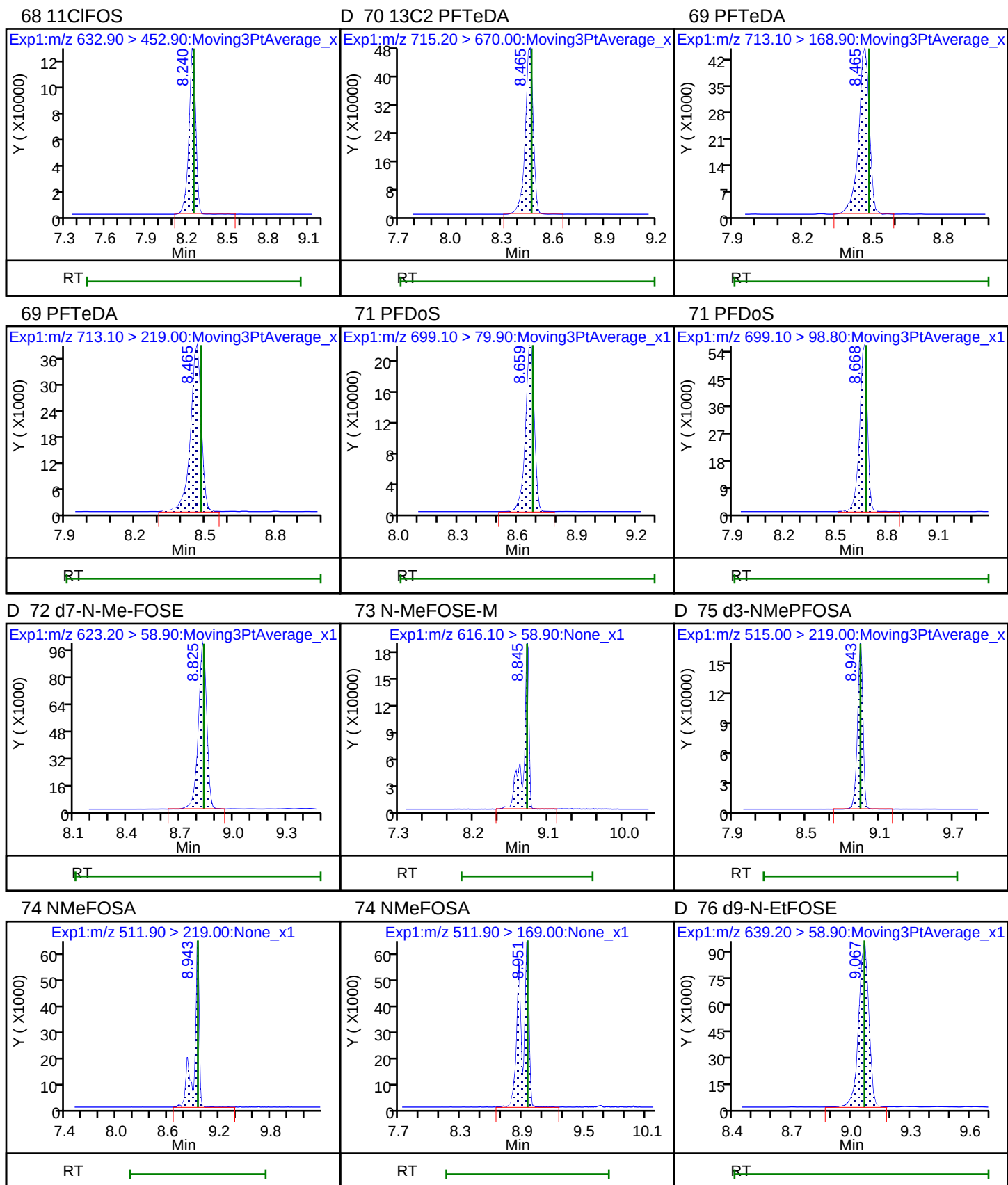


67 PFTTrDA

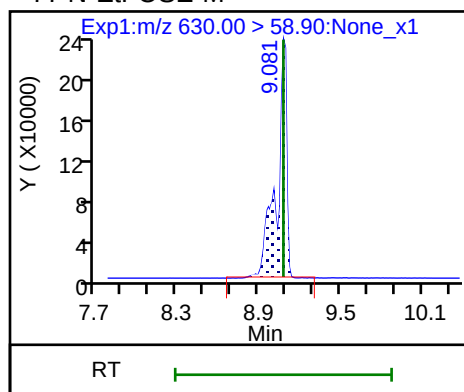


68 11CIFOS

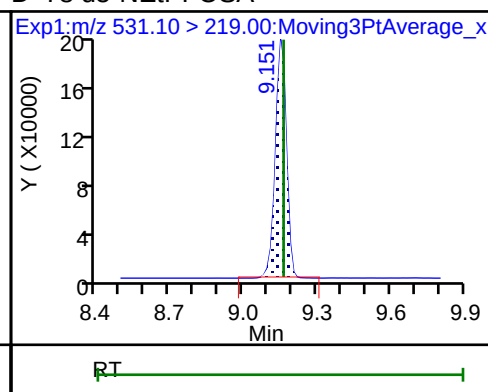




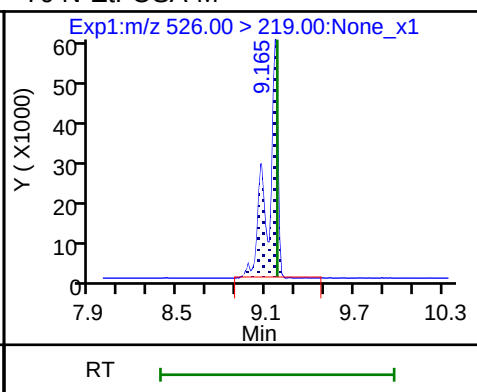
77 N-EtFOSE-M



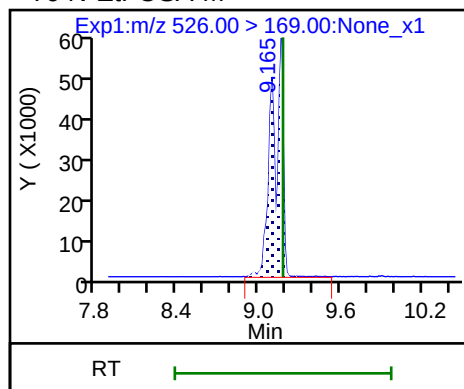
D 78 d5-NEtPFOSA



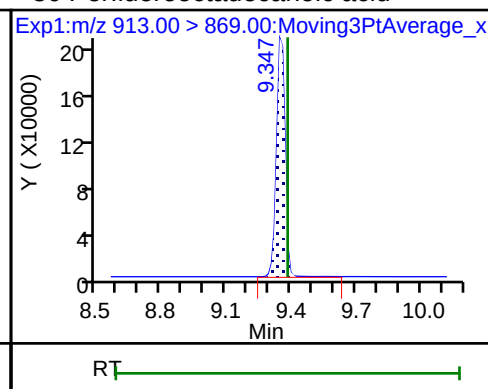
79 N-EtFOSA-M



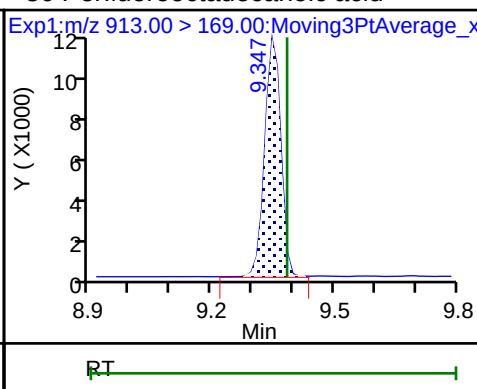
79 N-EtFOSA-M



80 Perfluorooctadecanoic acid



80 Perfluorooctadecanoic acid



FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Client Sample ID:

Lab Sample ID: MB 410-736383/7-A

Matrix: Water

Lab File ID: 25DEC01E-13.d

Analysis Method: 1633

Date Collected:

Extraction Method: 1633

Date Extracted: 11/27/2025 11:19

Sample wt/vol: 125 (mL)

Date Analyzed: 12/01/2025 18:43

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.: 737075

Units: ng/L

Preparation Batch No.: 736383

Instrument ID: 30570

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	1.3
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 Job No.: 410-254628-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 410-736383/7-A

Matrix: Water Lab File ID: 25DEC01E-13.d

Analysis Method: 1633 Date Collected: _____

Extraction Method: 1633 Date Extracted: 11/27/2025 11:19

Sample wt/vol: 125 (mL) Date Analyzed: 12/01/2025 18:43

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.: 737075 Units: ng/L

Preparation Batch No.: 736383 Instrument ID: 30570

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	4.0
13252-13-6	HFPO-DA	ND		2.0	1.4
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	PFESA	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.: 410-254628-1
SDG No.:	
Client Sample ID:	Lab Sample ID: MB 410-736383/7-A
Matrix: Water	Lab File ID: 25DEC01E-13.d
Analysis Method: 1633	Date Collected:
Extraction Method: 1633	Date Extracted: 11/27/2025 11:19
Sample wt/vol: 125 (mL)	Date Analyzed: 12/01/2025 18:43
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.: 737075	Units: ng/L
Preparation Batch No.: 736383	Instrument ID: 30570

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	79.1		5-130
STL01893	13C5 PFPeA	87.5		40-130
STL02577	13C5 PFHxA	89.4		40-130
STL01892	13C4 PFHpA	88.9		40-130
STL01052	13C8 PFOA	85.0		40-130
STL02578	13C9 PFNA	82.4		40-130
STL02579	13C6 PFDA	77.1		40-130
STL02580	13C7 PFUnA	76.9		30-130
STL02116	13C2 PFTeDA	54.5		10-130
STL02337	13C3 PFBS	85.2		40-135
STL02581	13C3 PFHxS	81.5		40-130
STL01054	13C8 PFOS	83.5		40-130
STL01056	13C8 FOSA	69.9		40-130
STL02118	d3-NMeFOSAA	82.7		40-170
STL02117	d5-NEtFOSAA	65.6		25-135
STL02395	M2-4:2 FTS	101		40-200
STL02279	M2-6:2 FTS	109		40-200
STL02280	M2-8:2 FTS	93.3		40-300
STL02255	13C3 HFPO-DA	93.3		40-130
STL02277	d7-N-MeFOSE-M	57.4		10-130
STL02278	d9-N-EtFOSE-M	55.0		10-130
STL02704	d5-NEtPFOSA	58.1		10-130
STL02705	d3-NMePFOSA	61.6		10-130
960315-52-0	13C2 PFDoA	65.9		10-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\25DEC01E-13.d
 Lims ID: MB 410-736383/7-A
 Client ID:
 Sample Type: MB
 Inject. Date: 01-Dec-2025 18:43:05 ALS Bottle#: 21 Worklist Smp#: 37
 Injection Vol: 7.0 ul Dil. Factor: 1.0000
 Sample Info: MB 410-736383/7-A
 Misc. Info.: Plate: 1 Rack: 1 410-0168432-037
 Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570
 Method: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\30570-1633-125ml.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 02-Dec-2025 07:28:53 Calib Date: 29-Nov-2025 12:50:55
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-08.d
 Column 1 : Det: EXP1
 Process Host: CTX1649

First Level Reviewer: MC7V

Date: 02-Dec-2025 07:23:12

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	1.938	1.973	-0.035	0.474	881625	1.04		52.1	62213	
D 3 13C4-PFBA 216.80 > 171.90	4.083	4.109	-0.026	0.998	1817140	1.58		79.1	5036	
* 4 13C3PFBA 216.00 > 172.00	4.090	4.109	-0.019		1978873	2.00			469	
D 8 13C5 PFPeA 268.30 > 223.00	4.734	4.755	-0.021	0.914	1394126	1.75		87.5	6337	
12 TUDCA 498.20 > 80.00	5.687	5.027	0.660	0.814	9621	NR			51.2	
D 13 13C2-4:2FTS 329.10 > 80.90	5.008	5.036	-0.028	0.808	1044557	4.73		101	4556	
* 16 13C2 PFHxA 315.10 > 270.00	5.181	5.219	-0.038		4849388	5.00			8391	
D 15 13C5 PFHxA 318.00 > 273.00	5.181	5.219	-0.038	1.000	1964907	1.79		89.4	7648	
D 20 13C3 PFBS 302.10 > 79.90	5.308	5.362	-0.054	0.857	1806456	1.59		85.2	6697	
D 22 13C3 HFPO-DA 286.90 > 168.90	5.362	5.406	-0.044	1.035	1410357	1.87		93.3	5561	
24 TCDCA 498.10 > 80.00	5.754	5.464	0.290	0.823	9766	NR			21.0	
25 TDCA 498.00 > 80.00	5.687	5.577	0.110	0.814	5303	NR			17.3	
D 27 13C4 PFHpA 367.10 > 322.00	5.599	5.642	-0.043	1.081	1662251	1.78		88.9	9158	
D 32 13C2-6:2FTS 429.10 > 80.90	5.787	5.845	-0.058	0.934	862974	5.17		109	2511	

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	5.977	6.038	-0.061		5999819	5.00			52268	
D 34 13C8 PFOA 421.10 > 376.00	5.977	6.048	-0.071	1.000	2108149	1.70		85.0	4568	
D 39 13C3 PFHxS 402.10 > 79.90	6.197	6.268	-0.071	1.000	1290114	1.55		81.5	1218	
* 38 18O2 PFHxS 403.00 > 83.90	6.197	6.268	-0.071		1556097	1.90			5743	
* 41 13C5 PFNA 468.00 > 423.00	6.361	6.430	-0.069		2388215	2.00			5694	
D 42 13C9 PFNA 472.10 > 427.00	6.361	6.430	-0.069	1.000	1892641	1.65		82.4	2823	
D 45 13C2-8:2FTS 529.10 > 80.90	6.529	6.610	-0.081	1.054	931241	4.48		93.3	1597	
D 48 d3-NMeFOSAA 573.20 > 419.00	6.685	6.763	-0.078	0.956	1460637	4.13		82.7	892	
* 50 13C2 PFDA 515.10 > 470.10	6.747	6.823	-0.076		2180473	2.00			10035	
D 51 13C6 PFDA 519.10 > 474.10	6.747	6.823	-0.076	1.000	1704455	1.54		77.1	2683	
D 54 d5-NEtFOSAA 589.20 > 419.00	6.853	6.927	-0.074	0.980	1162364	3.28		65.6	1065	
D 56 13C8 PFOS 507.10 > 79.90	6.990	7.080	-0.090	1.000	1282273	1.60		83.5	1462	
* 57 13C4 PFOS 502.80 > 79.90	6.990	7.080	-0.090		1740957	1.92			3783	
D 59 13C7 PFUnA 570.00 > 525.10	7.132	7.223	-0.091	1.057	1931693	1.54		76.9	8877	
D 81 13C2 PFDaA 615.10 > 570.00	7.523	7.624	-0.101	1.115	1397646	1.32		65.9	6103	
D 65 13C8 FOSA 506.10 > 77.80	7.746	7.776	-0.030	1.108	1455436	1.40		69.9	1503	
D 69 13C2 PFTeDA 715.20 > 670.00	8.307	8.423	-0.116	1.231	588358	1.09		54.5	2671	
D 72 d7-N-Me-FOSE 623.20 > 58.90	8.728	8.741	-0.013	1.249	414105	2.87		57.4	336	
D 74 d3-NMePFOSA 515.00 > 219.00	8.849	8.861	-0.012	1.266	311255	1.23		61.6	1274	
D 76 d9-N-EtFOSE 639.20 > 58.90	8.976	8.987	-0.011	1.284	459371	2.75		55.0	357	
D 78 d5-NEtPFOSA 531.10 > 219.00	9.080	9.079	0.001	1.299	353232	1.16		58.1	1216	

[QC Flag Legend](#)

Processing Flags

NR - Missing Quant Standard

[Reagents:](#)

1633_125_IS_V_00521

Amount Added: 50.00

Units: uL

Data File: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\25DEC01E-13.d

Injection Date: 01-Dec-2025 18:43:05

Instrument ID: 30570

Lims ID: MB 410-736383/7-A

Client ID:

Operator ID: ETUS023_USR_INS00003

ALS Bottle#: 21

Worklist Smp#: 37

Injection Vol: 7.0 ul

Dil. Factor: 1.0000

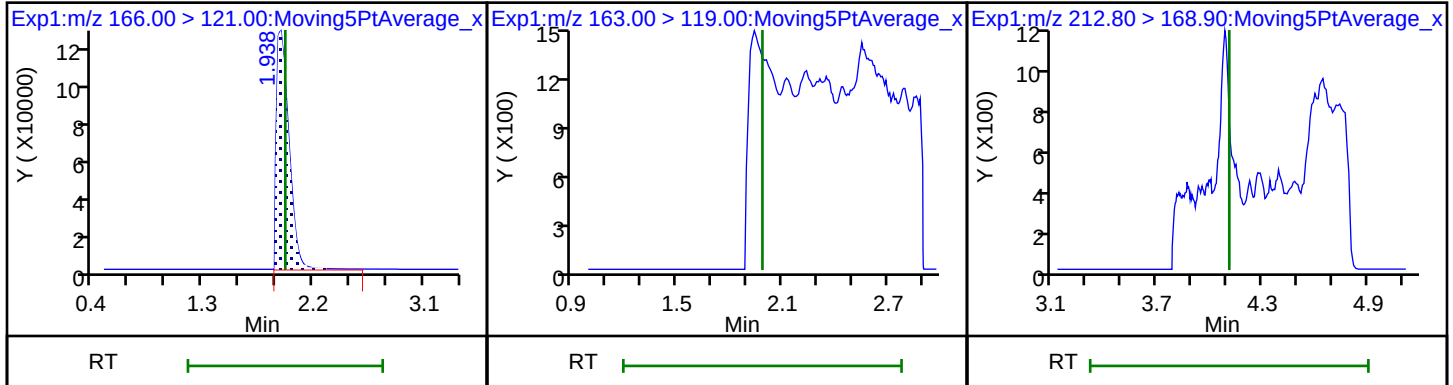
Method: 30570-1633-125ml

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid (ND)

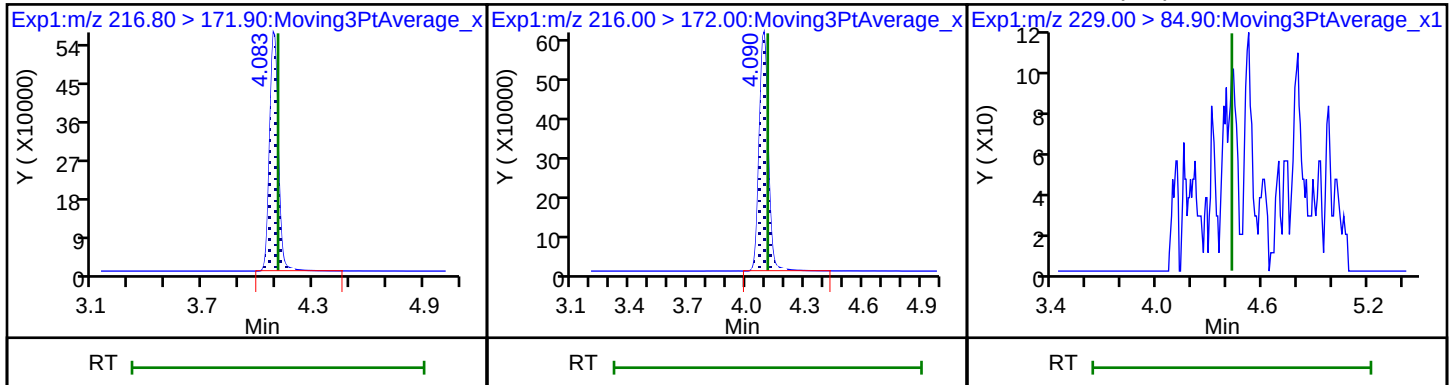
5 PFBA (ND)



D 3 13C4-PFBA

* 4 13C3PFBA

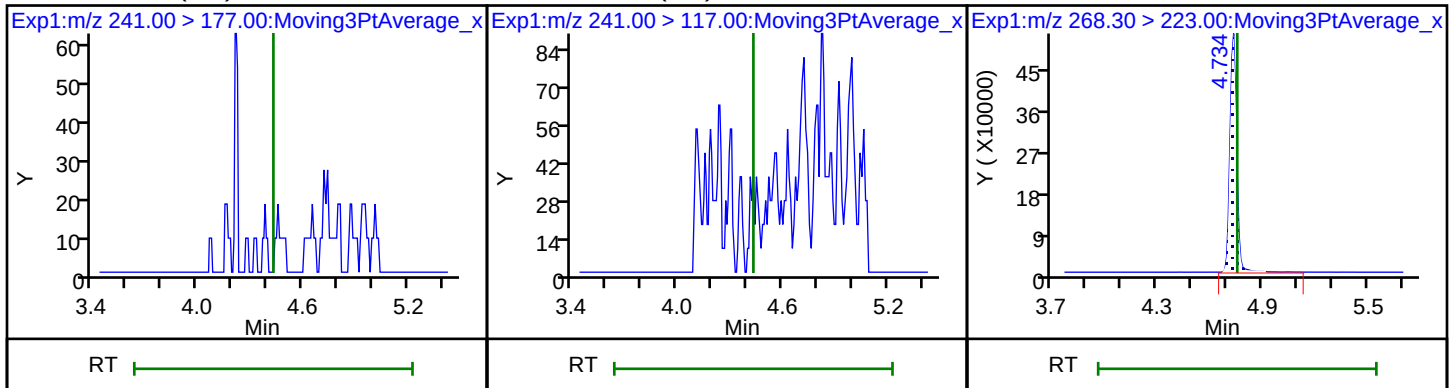
6 PFMPA (ND)



7 3:3 FTCA (ND)

7 3:3 FTCA (ND)

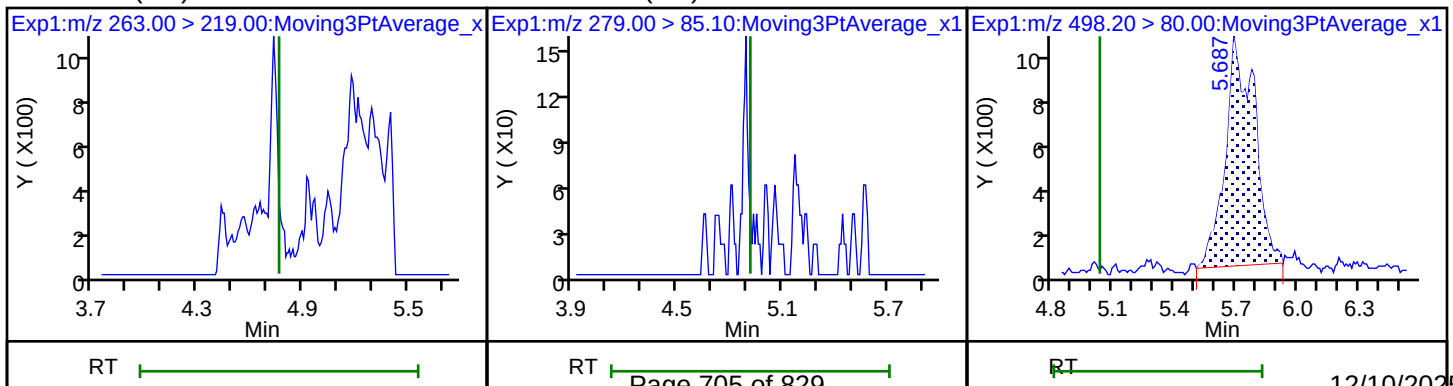
D 8 13C5 PFPeA



9 PFPA (ND)

10 PFMBa (ND)

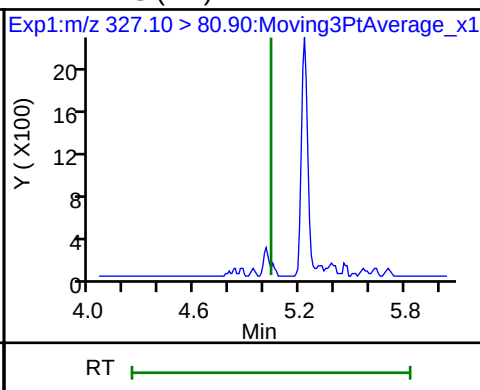
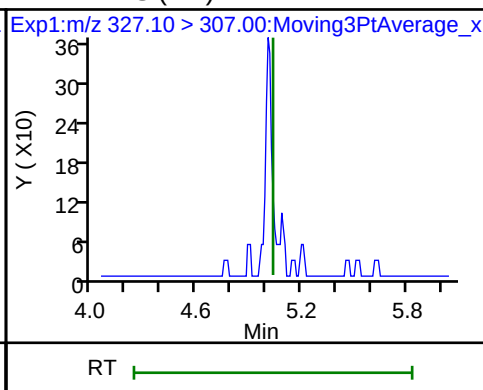
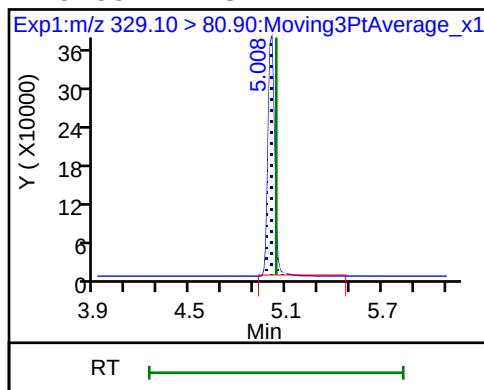
12 TUDCA



D 13 13C2-4:2FTS

11 4:2FTS (ND)

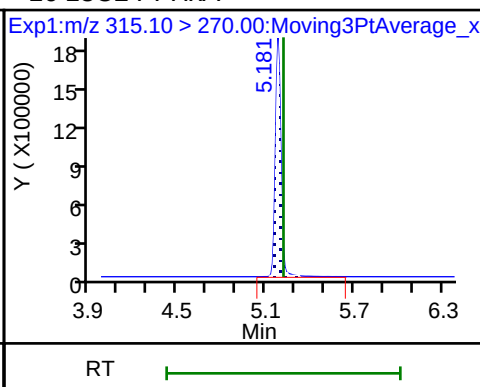
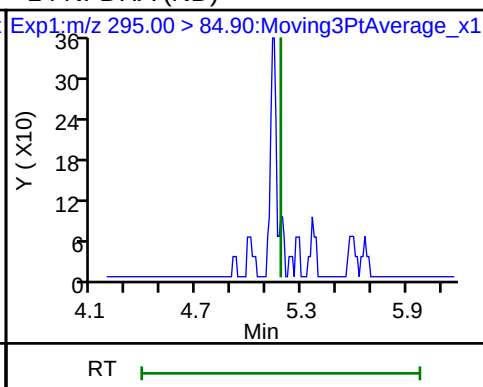
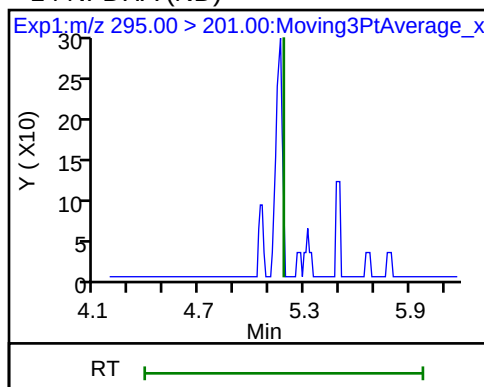
11 4:2FTS (ND)



14 NFDHA (ND)

14 NFDHA (ND)

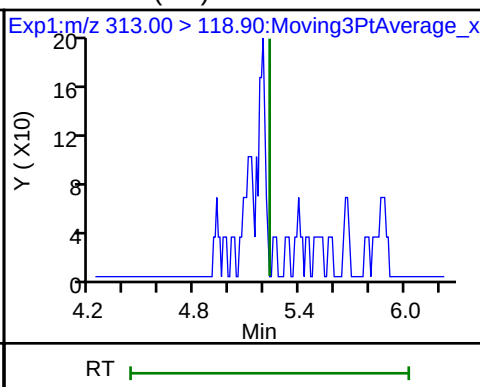
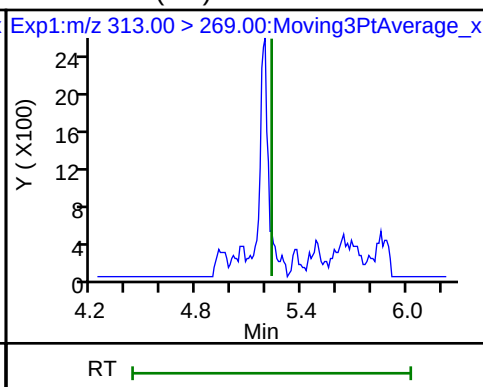
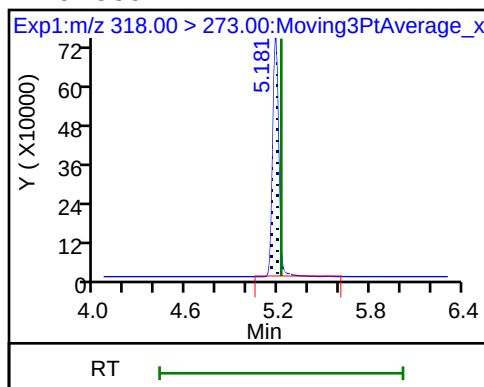
* 16 13C2 PFHxA



D 15 13C5 PFHxA

17 PFHxA (ND)

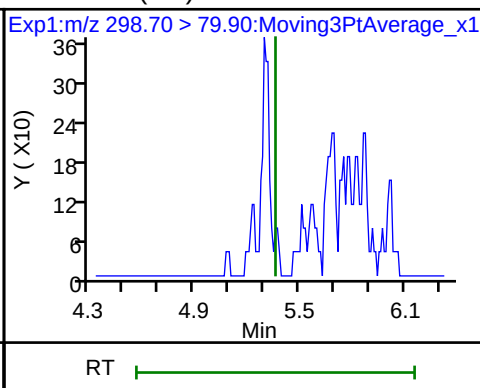
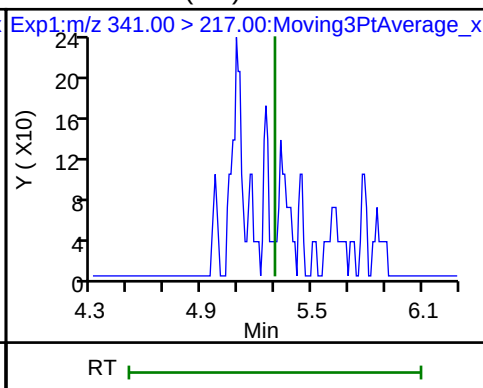
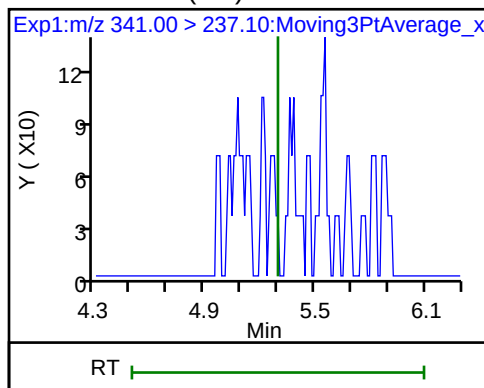
17 PFHxA (ND)

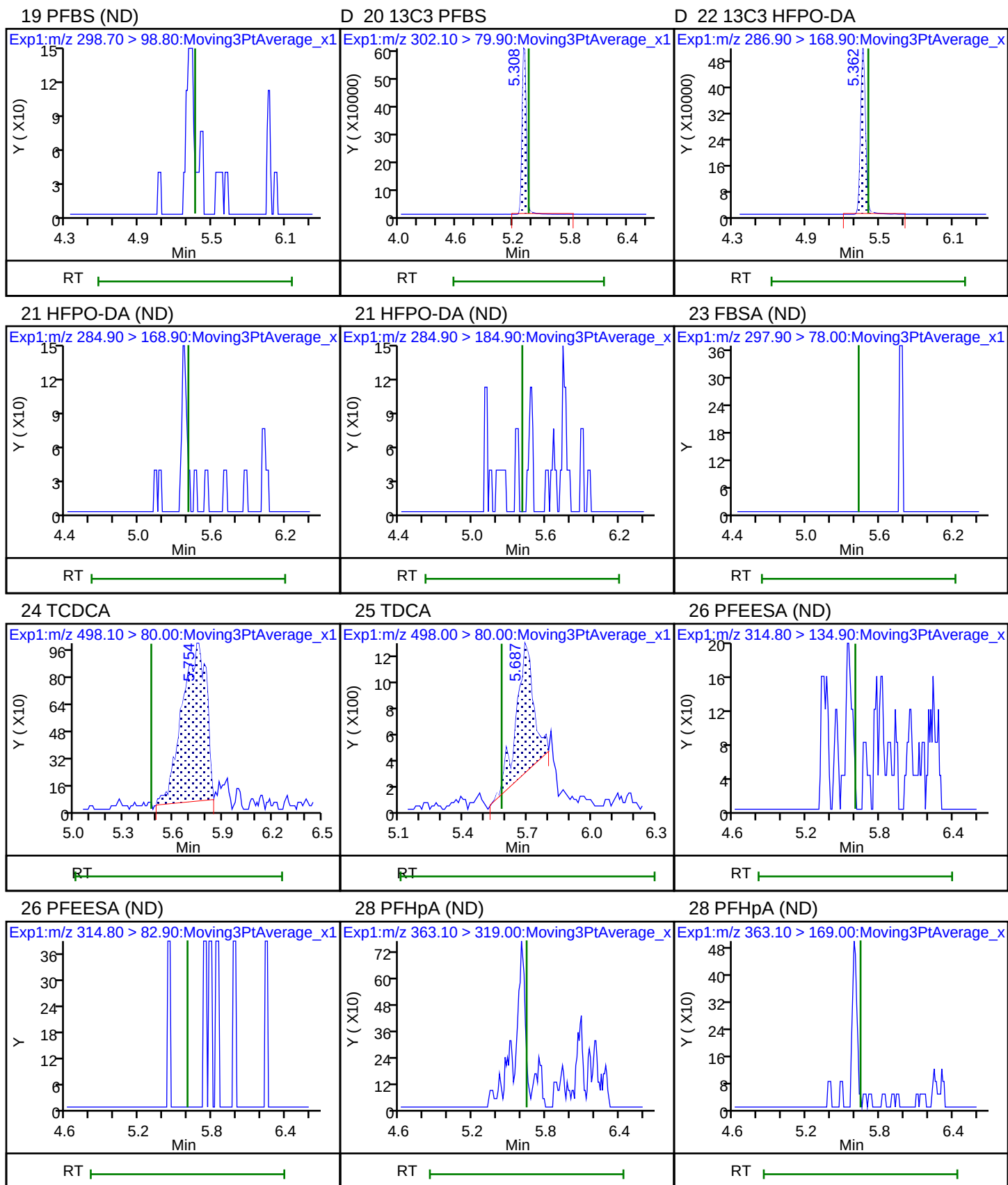


18 5:3 FTCA (ND)

18 5:3 FTCA (ND)

19 PFBS (ND)

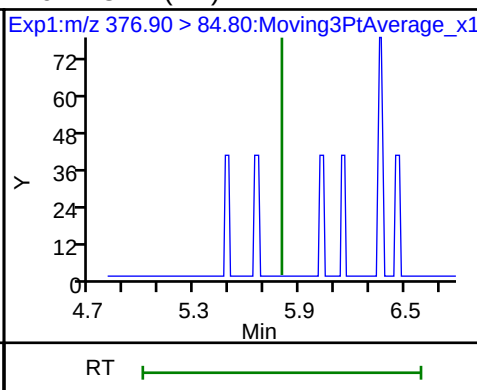
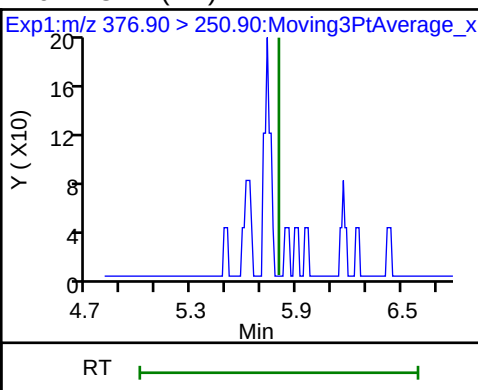
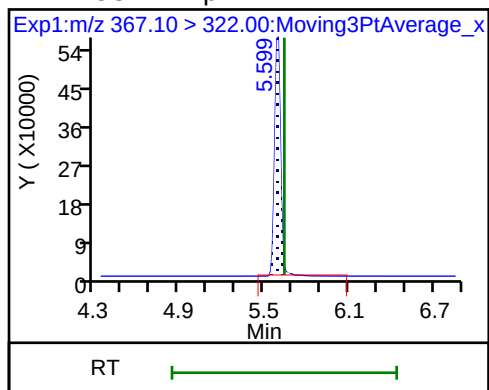




D 27 13C4 PFHpA

29 ADONA (ND)

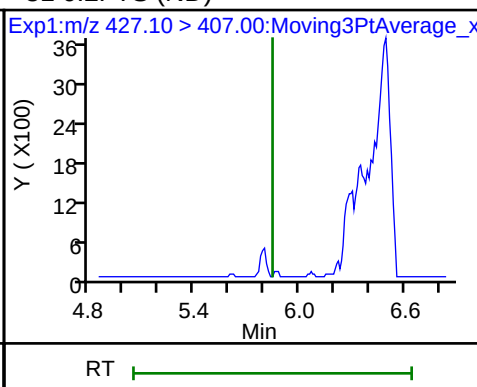
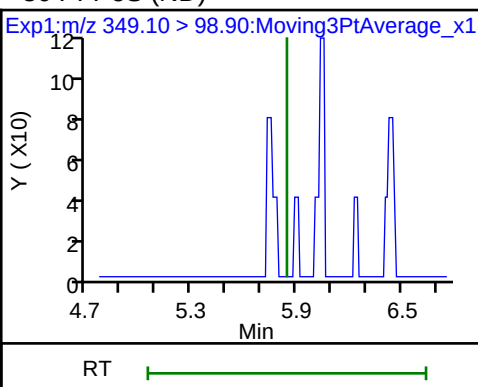
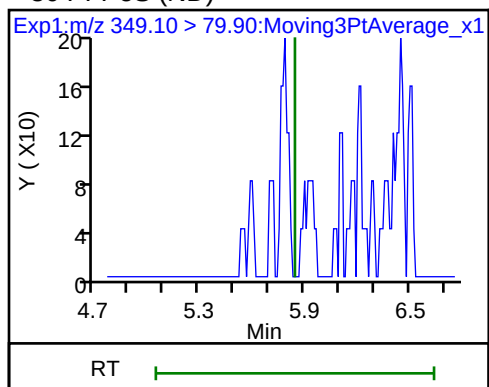
29 ADONA (ND)



30 PFPeS (ND)

30 PFPeS (ND)

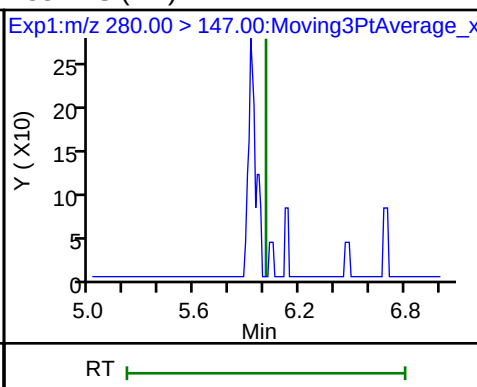
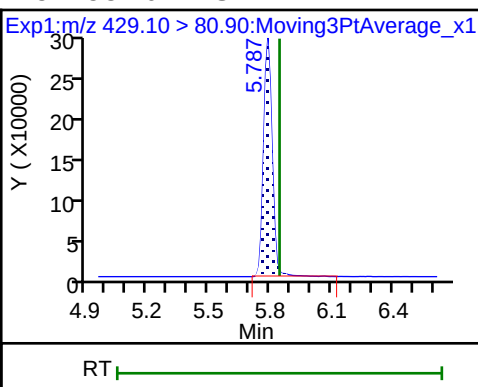
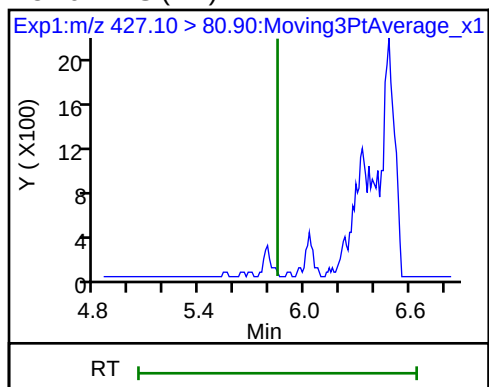
31 6:2FTS (ND)



31 6:2FTS (ND)

D 32 13C2-6:2FTS

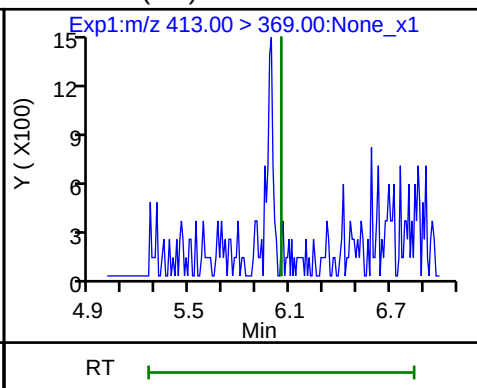
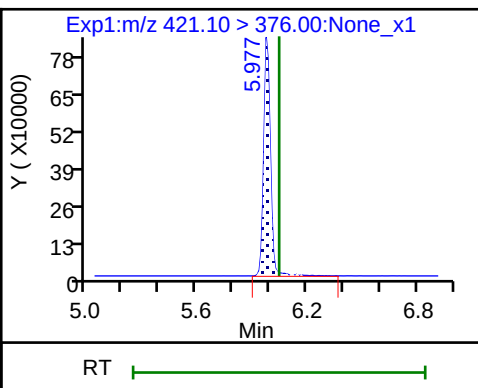
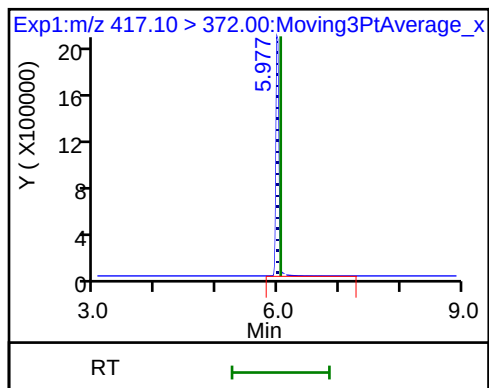
33 BTS (ND)



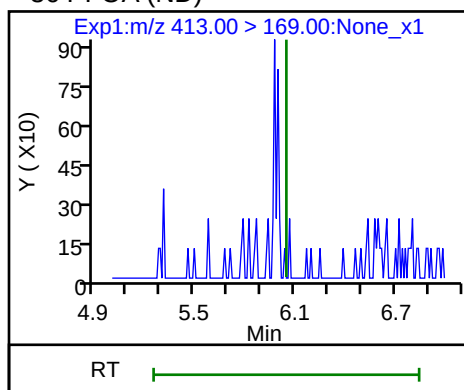
* 35 13C4 PFOA

D 34 13C8 PFOA

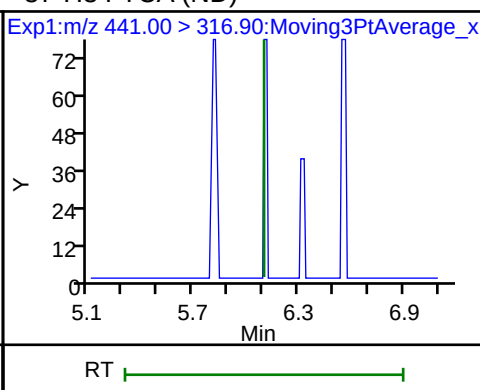
36 PFOA (ND)



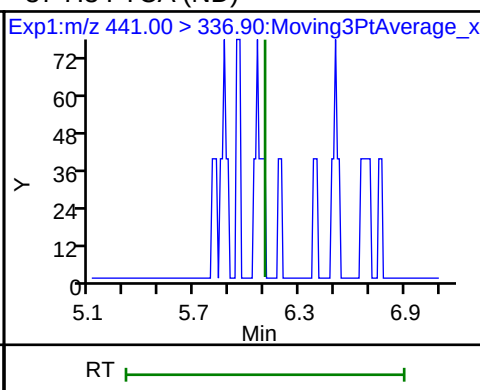
36 PFOA (ND)



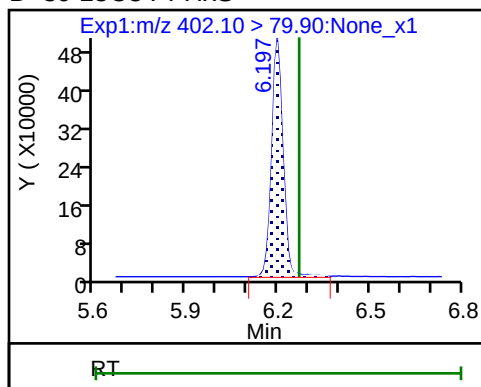
37 7:3 FTCA (ND)



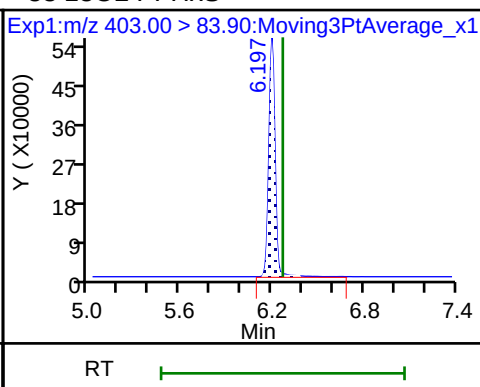
37 7:3 FTCA (ND)



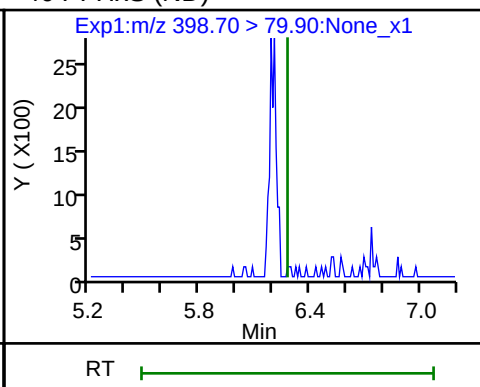
D 39 13C3 PFHxS



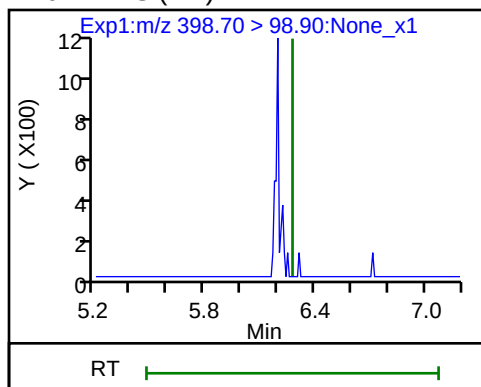
* 38 18O2 PFHxS



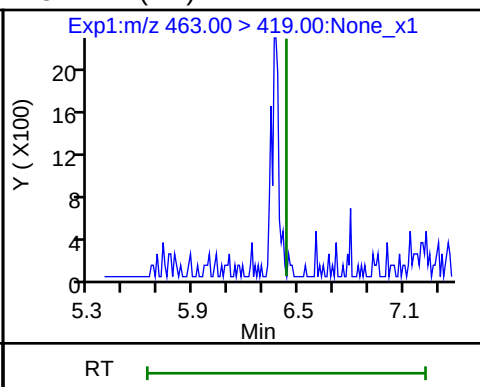
40 PFHxS (ND)



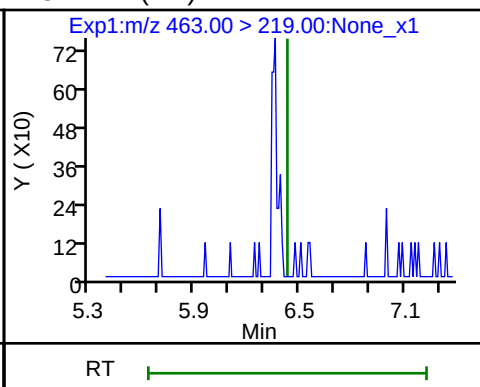
40 PFHxS (ND)



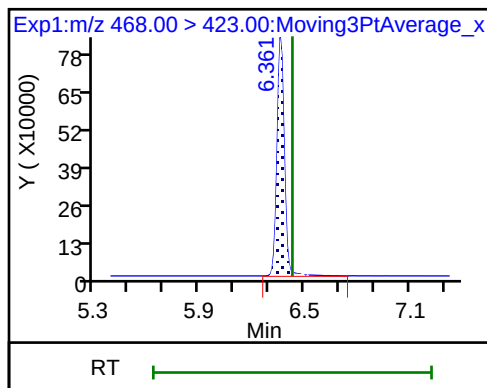
43 PFNA (ND)



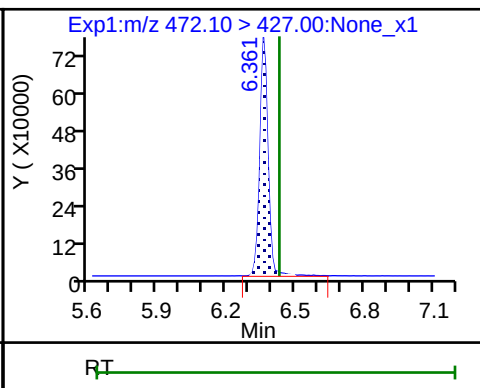
43 PFNA (ND)



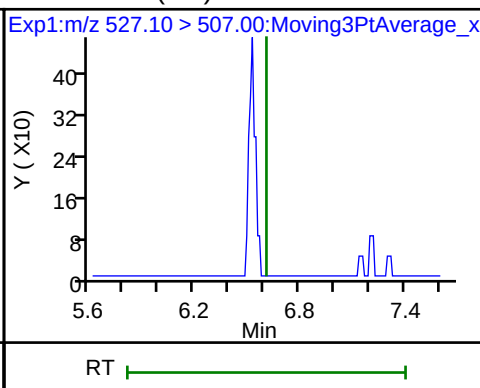
* 41 13C5 PFNA

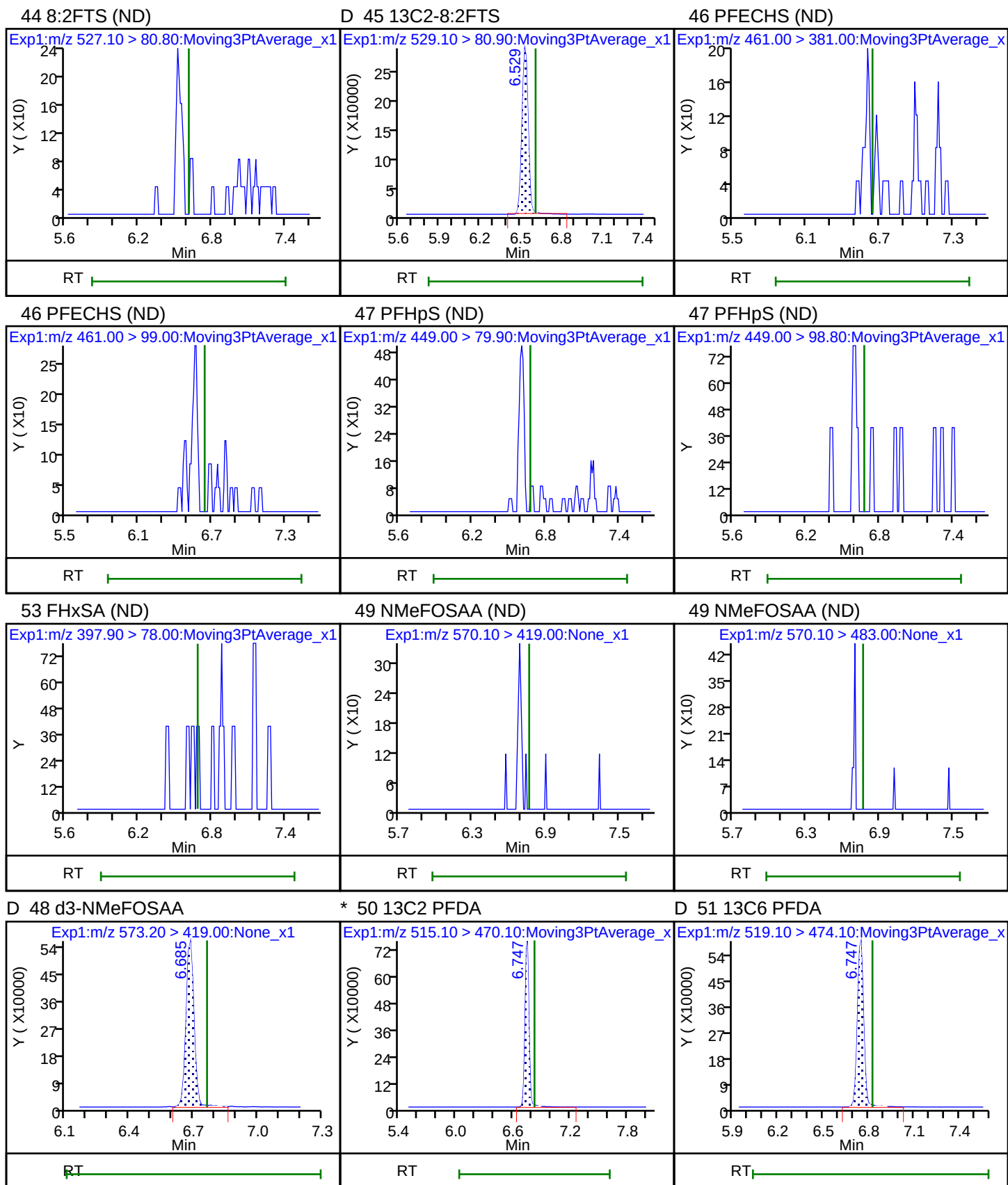


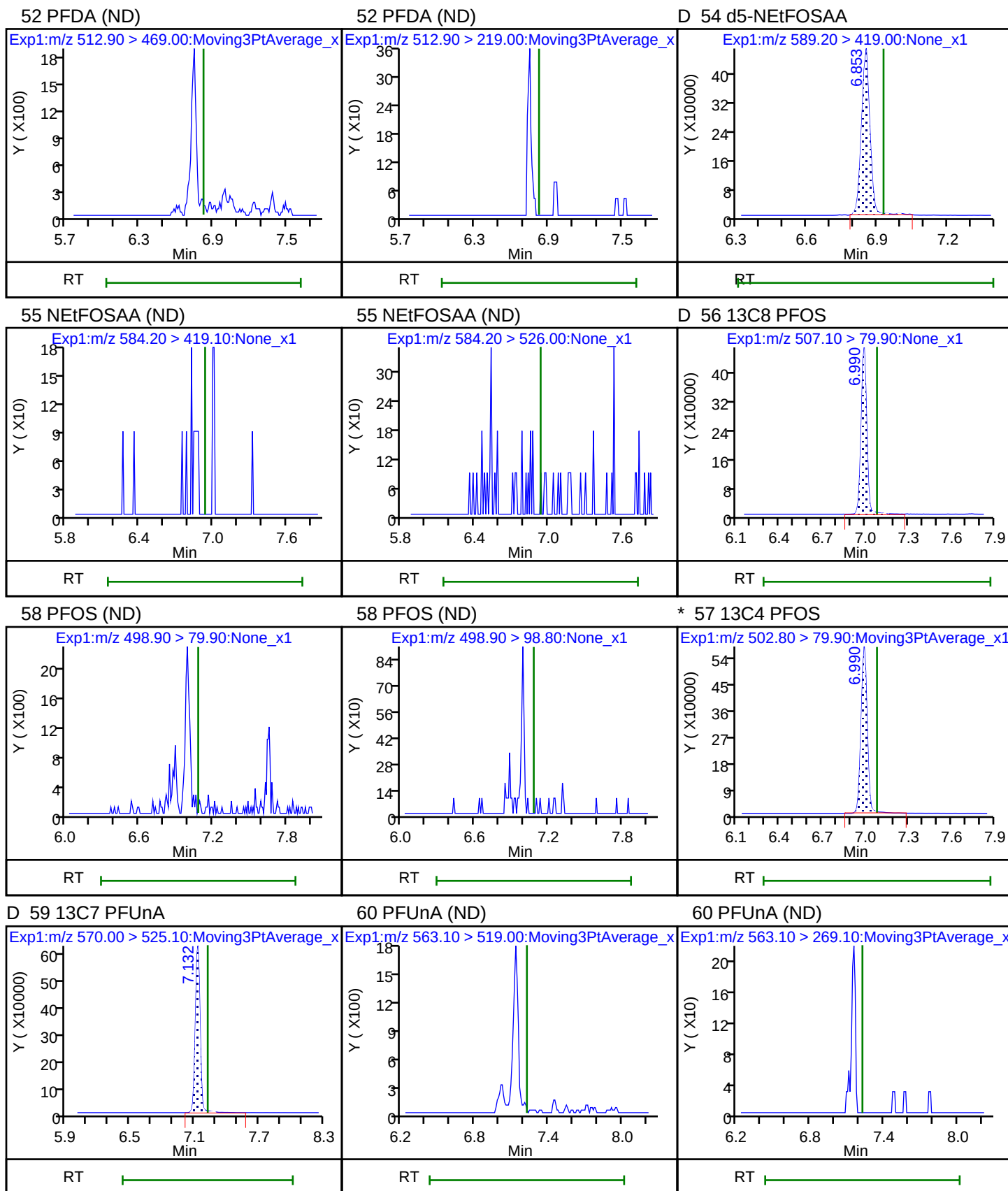
D 42 13C9 PFNA

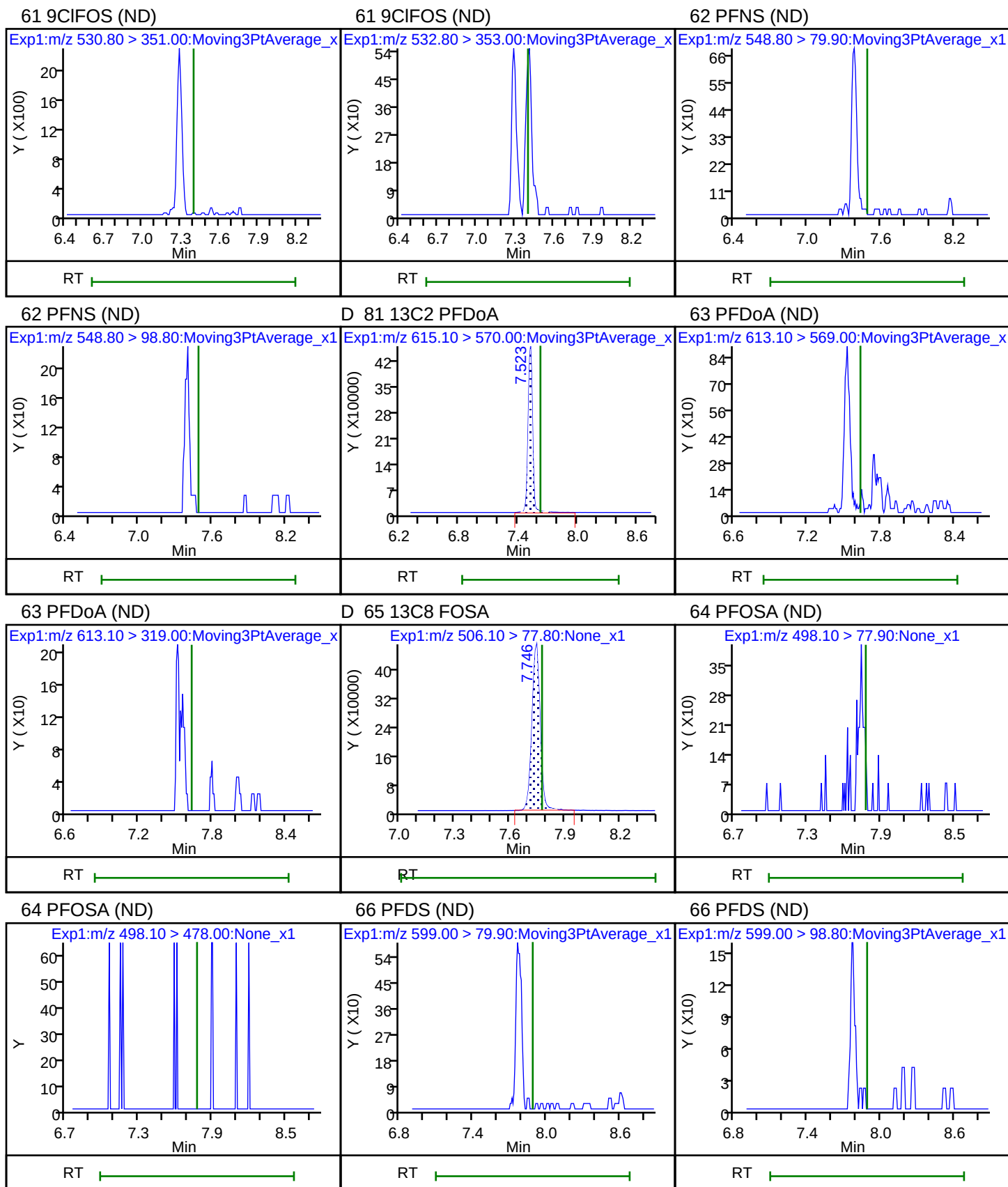


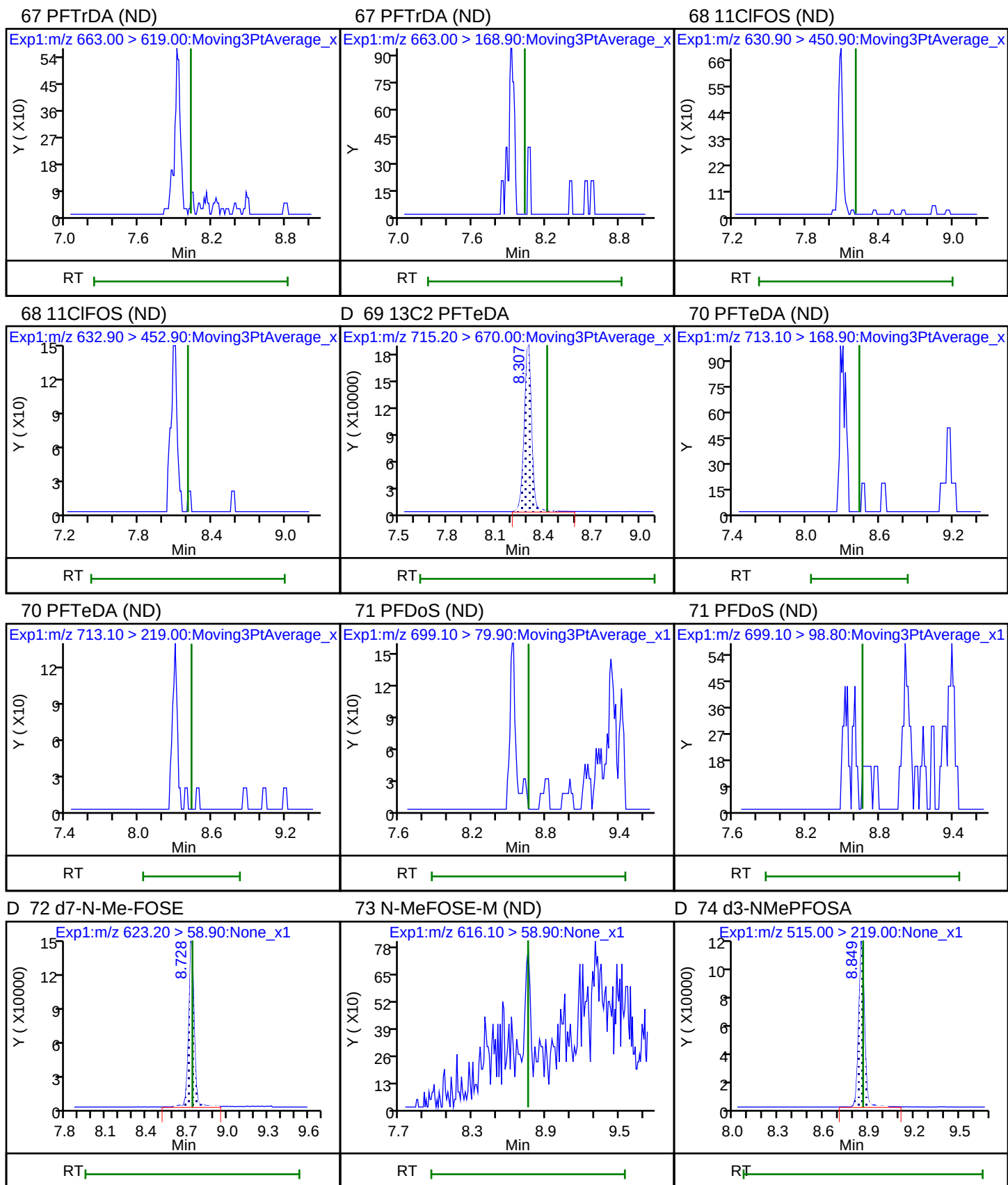
44 8:2FTS (ND)

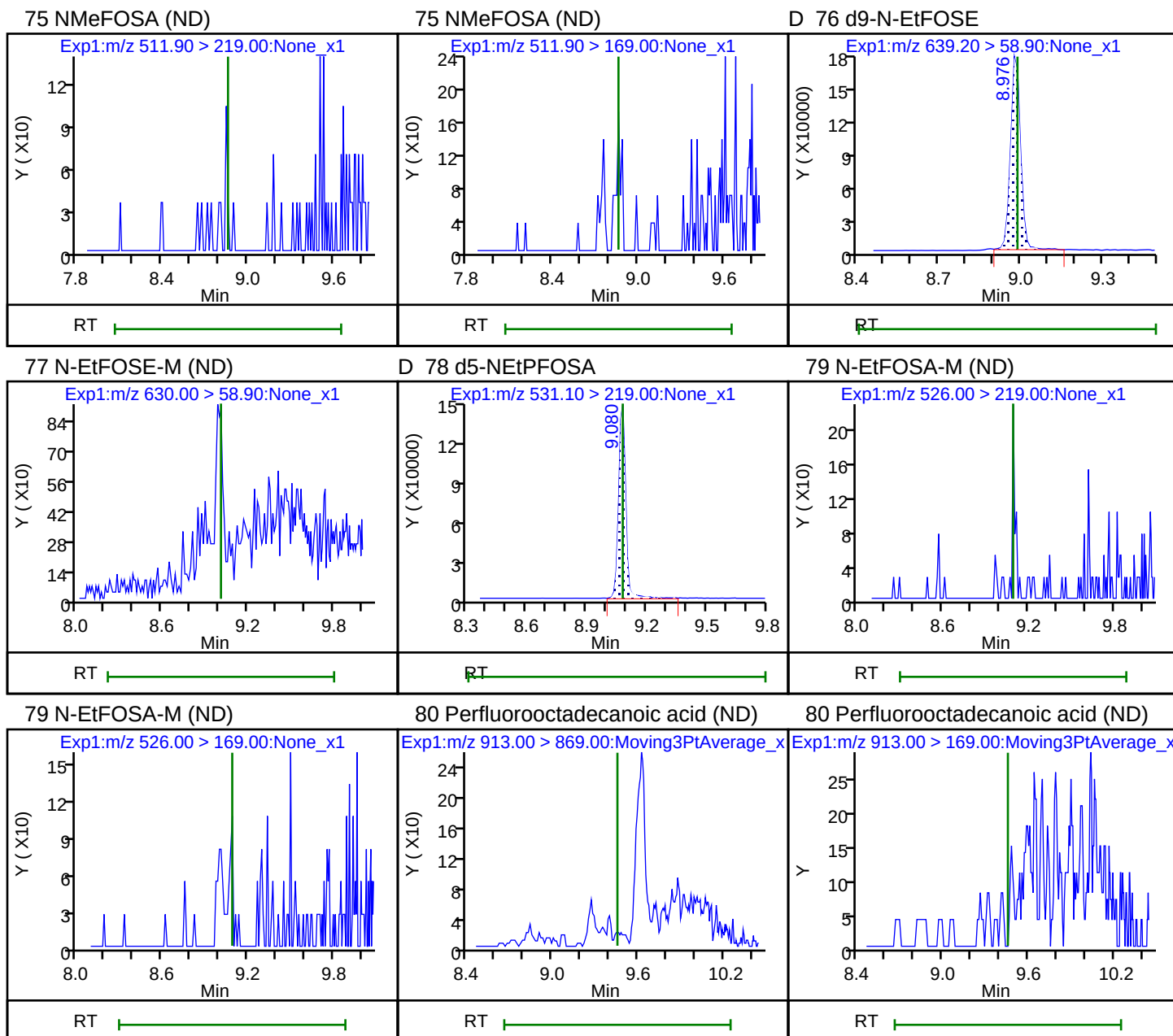












FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Client Sample ID:

Lab Sample ID: MB 410-737578/10-A

Matrix: Water

Lab File ID: 25DEC04JO-16.d

Analysis Method: 1633

Date Collected:

Extraction Method: 1633

Date Extracted: 12/02/2025 09:22

Sample wt/vol: 125 (mL)

Date Analyzed: 12/04/2025 21:57

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.: 739075

Units: ng/L

Preparation Batch No.: 737578

Instrument ID: 30577

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	1.3
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 Job No.: 410-254628-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 410-737578/10-A

Matrix: Water Lab File ID: 25DEC04JO-16.d

Analysis Method: 1633 Date Collected: _____

Extraction Method: 1633 Date Extracted: 12/02/2025 09:22

Sample wt/vol: 125 (mL) Date Analyzed: 12/04/2025 21:57

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.: 739075 Units: ng/L

Preparation Batch No.: 737578 Instrument ID: 30577

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	4.0
13252-13-6	HFPO-DA	ND		2.0	1.4
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	PFESA	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.: 410-254628-1
SDG No.:	
Client Sample ID:	Lab Sample ID: MB 410-737578/10-A
Matrix: Water	Lab File ID: 25DEC04JO-16.d
Analysis Method: 1633	Date Collected:
Extraction Method: 1633	Date Extracted: 12/02/2025 09:22
Sample wt/vol: 125 (mL)	Date Analyzed: 12/04/2025 21:57
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.: 739075	Units: ng/L
Preparation Batch No.: 737578	Instrument ID: 30577

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	87.5		5-130
STL01893	13C5 PFPeA	97.5		40-130
STL02577	13C5 PFHxA	93.9		40-130
STL01892	13C4 PFHpA	89.3		40-130
STL01052	13C8 PFOA	95.0		40-130
STL02578	13C9 PFNA	92.6		40-130
STL02579	13C6 PFDA	85.4		40-130
STL02580	13C7 PFUnA	81.5		30-130
STL02116	13C2 PFTeDA	69.8		10-130
STL02337	13C3 PFBS	86.0		40-135
STL02581	13C3 PFHxS	87.4		40-130
STL01054	13C8 PFOS	90.1		40-130
STL01056	13C8 FOSA	80.3		40-130
STL02118	d3-NMeFOSAA	85.5		40-170
STL02117	d5-NEtFOSAA	95.3		25-135
STL02395	M2-4:2 FTS	102		40-200
STL02279	M2-6:2 FTS	96.2		40-200
STL02280	M2-8:2 FTS	83.5		40-300
STL02255	13C3 HFPO-DA	92.6		40-130
STL02277	d7-N-MeFOSE-M	66.5		10-130
STL02278	d9-N-EtFOSE-M	53.2		10-130
STL02704	d5-NEtPFOSA	63.2		10-130
STL02705	d3-NMePFOSA	63.9		10-130
960315-52-0	13C2 PFDoA	76.8		10-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30577\20251204-168875.b\25DEC04JO-16.d
Lims ID: MB 410-737578/10-A
Client ID:
Sample Type: MB
Inject. Date: 04-Dec-2025 21:57:38 ALS Bottle#: 26 Worklist Smp#: 20
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-737578/10-A
Misc. Info.: Plate: 1 Rack: 1 410-0168875-020
Operator ID: ETUS023_USR_INS00009 Instrument ID: 30577
Method: \\chromfs\Lancaster\ChromData\30577\20251204-168875.b\30577-1633-125.m
Limit Group: LC - 1633 LVI- ICAL
Last Update: 04-Dec-2025 21:36:42 Calib Date: 03-Dec-2025 17:33:28
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\25DEC03CAL-08.d
Column 1 : Det: EXP1
Process Host: CTX1687

First Level Reviewer: XBL5

Date: 04-Dec-2025 23:33:10

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	1.998	2.039	-0.041	0.481	1254977	1.77		88.6	1442	
D 4 13C4-PFBA 216.80 > 171.90	4.150	4.132	0.018	1.000	1879292	1.75		87.5	3710	
* 5 13C3PFBA 216.00 > 172.00	4.150	4.138	0.012		2046336	2.00			5046	
D 8 13C5 PFPeA 268.30 > 223.00	4.831	4.817	0.014	0.914	1142660	1.95		97.5	4447	
D 11 13C2-4:2FTS 329.10 > 80.90	5.106	5.085	0.021	0.806	1266692	4.80		102	3784	
D 15 13C5 PFHxA 318.00 > 273.00	5.288	5.270	0.018	1.000	2297063	1.88		93.9	4734	
* 16 13C2 PFHxA 315.10 > 270.00	5.288	5.270	0.018		5417177	5.00			6965	
D 19 13C3 PFBS 302.10 > 79.90	5.421	5.400	0.021	0.856	2289009	1.60		86.0	6804	
D 22 13C3 HFPO-DA 286.90 > 168.90	5.476	5.454	0.022	1.035	1726140	1.85		92.6	5419	
24 TCDCA 498.10 > 80.00	5.808	5.546	0.262	0.810	1658	NR			1.7	
25 TDCA 498.00 > 80.00	6.269	5.663	0.606	0.874	1888	NR			2.4	
D 28 13C4 PFHpA 367.10 > 322.00	5.708	5.684	0.024	1.079	2295742	1.79		89.3	8308	
D 32 13C2-6:2FTS 429.10 > 80.90	5.910	5.887	0.023	0.933	1050887	4.58		96.2	4086	
* 34 13C4 PFOA 417.10 > 372.00	6.112	6.093	0.019		8351424	5.00			5767	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 35 13C8 PFOA										
421.10 > 376.00	6.112	6.093	0.019	1.000	3259459	1.90		95.0	6780	
D 38 13C3 PFHxS										
402.10 > 79.90	6.336	6.306	0.030	1.000	1924122	1.66		87.4	3042	
* 39 18O2 PFHxS										
403.00 > 83.90	6.336	6.315	0.021		2198651	1.90			5040	
* 42 13C5 PFNA										
468.00 > 423.00	6.520	6.488	0.032		2969449	2.00			4744	
D 41 13C9 PFNA										
472.10 > 427.00	6.520	6.488	0.032	1.000	2691364	1.85		92.6	5180	
D 44 13C2-8:2FTS										
529.10 > 80.90	6.696	6.676	0.020	1.057	859146	4.01		83.5	2108	
D 49 d3-NMeFOSAA										
573.20 > 419.00	6.863	6.843	0.020	0.957	1665972	4.27		85.5	3732	
D 52 13C6 PFDA										
519.10 > 474.10	6.924	6.899	0.025	1.001	2683079	1.71		85.4	6335	
* 51 13C2 PFDA										
515.10 > 470.10	6.915	6.899	0.016		3080280	2.00			6102	
D 54 d5-NEtFOSAA										
589.20 > 419.00	7.045	7.016	0.029	0.982	1641514	4.76		95.3	4916	
D 56 13C8 PFOS										
507.10 > 79.90	7.174	7.148	0.026	1.000	1615827	1.73		90.1	2867	
* 57 13C4 PFOS										
502.80 > 79.90	7.174	7.148	0.026		1787338	1.92			3914	
D 59 13C7 PFUnA										
570.00 > 525.10	7.320	7.301	0.019	1.059	2795403	1.63		81.5	6463	
D 81 PFDaA										
615.10 > 570.00	7.725	7.697	0.028	1.117	2413448	1.54		76.8	5237	
D 65 13C8 FOSA										
506.10 > 77.80	7.982	7.964	0.018	1.113	1759828	1.61		80.3	4997	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.502	8.474	0.028	1.229	1365591	1.40		69.8	4309	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.835	8.833	0.002	1.232	265170	3.33		66.5	457	
73 N-MeFOSE-M										7M
616.10 > 58.90	8.845	8.843	0.002	1.001	7034	0.0484			10.0	7M
LOD = 0.0625										
D 75 d3-NMePFOSA										
515.00 > 219.00	8.943	8.941	0.002	1.247	402870	1.28		63.9	2892	
D 76 d9-N-EtFOSE										
639.20 > 58.90	9.067	9.065	0.002	1.264	252236	2.66		53.2	562	
77 N-EtFOSE-M										7M
630.00 > 58.90	9.095	9.079	0.016	1.003	9256	0.0547			16.7	7M
LOD = 0.0625										
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.151	9.163	-0.012	1.276	482002	1.26		63.2	2123	

[QC Flag Legend](#)

Processing Flags

NR - Missing Quant Standard

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

[Reagents:](#)

1633_125_IS_V_00511

Amount Added: 50.00

Units: uL

Report Date: 04-Dec-2025 23:37:05

Chrom Revision: 2.3 17-Oct-2025 18:32:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30577\20251204-168875.b\25DEC04JO-16.d

Injection Date: 04-Dec-2025 21:57:38

Instrument ID: 30577

Lims ID: MB 410-737578/10-A

Client ID:

Operator ID: ETUS023_USR_INS00009

ALS Bottle#: 26

Worklist Smp#: 20

Injection Vol: 7.0 ul

Dil. Factor: 1.0000

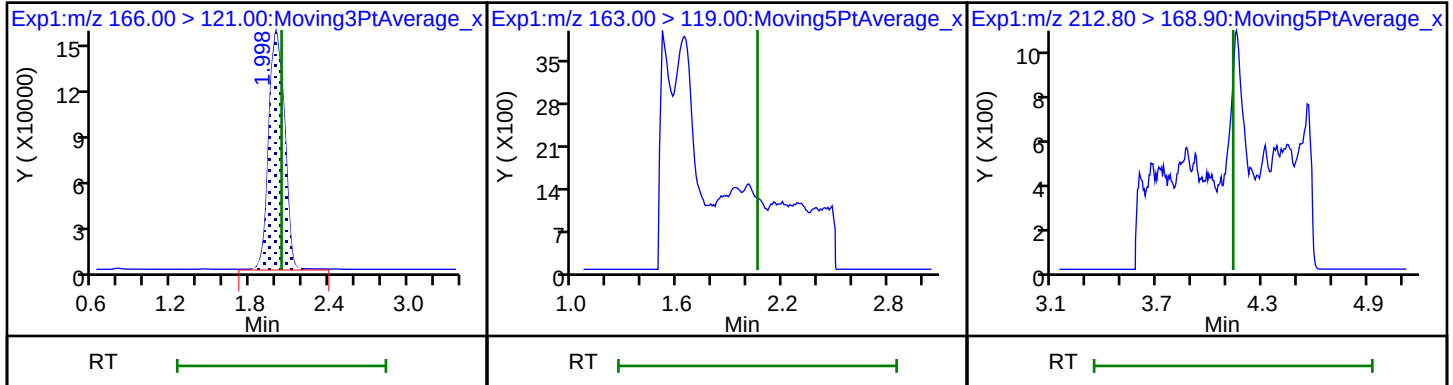
Method: 30577-1633-125

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid (ND)

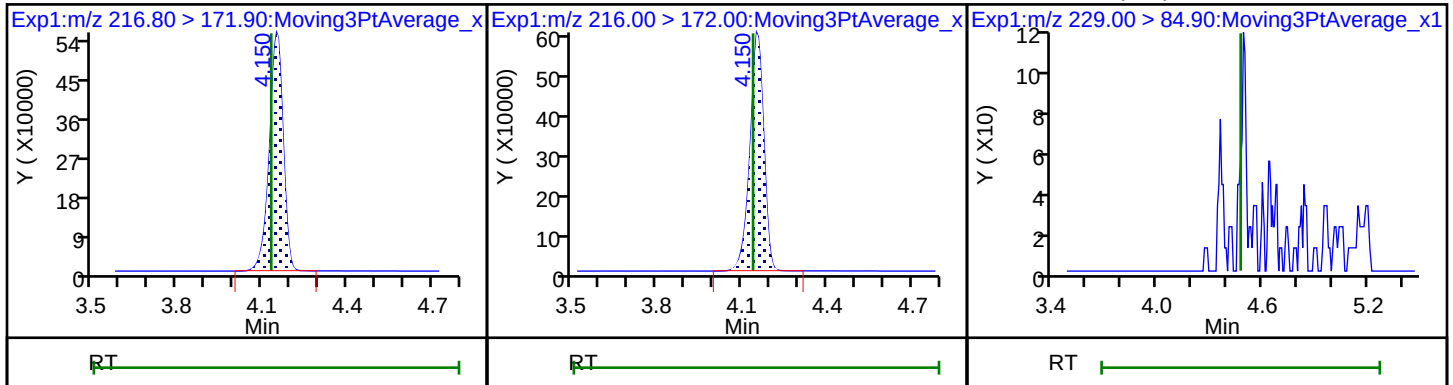
3 PFBA (ND)



D 4 13C4-PFBA

* 5 13C3PFBA

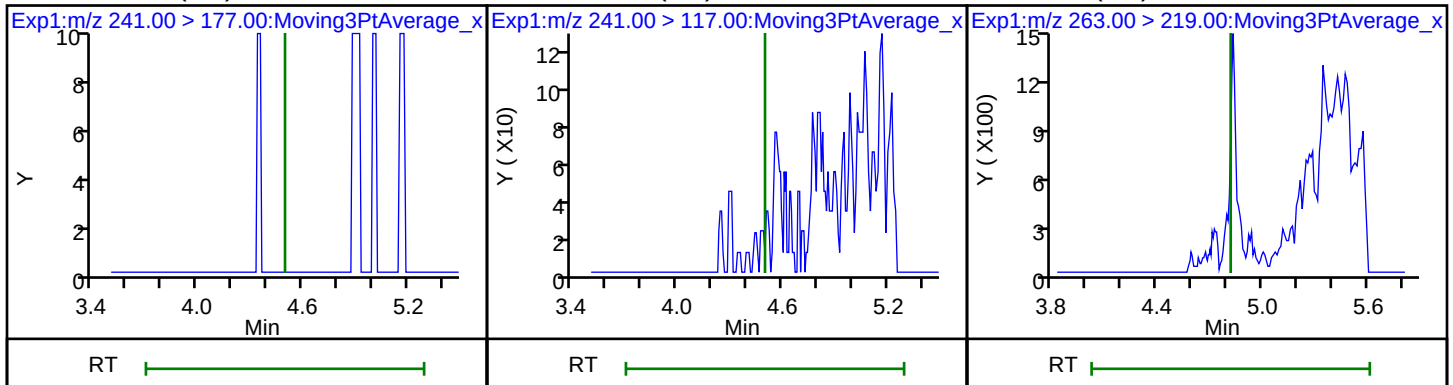
6 PFMPA (ND)



7 3:3 FTCA (ND)

7 3:3 FTCA (ND)

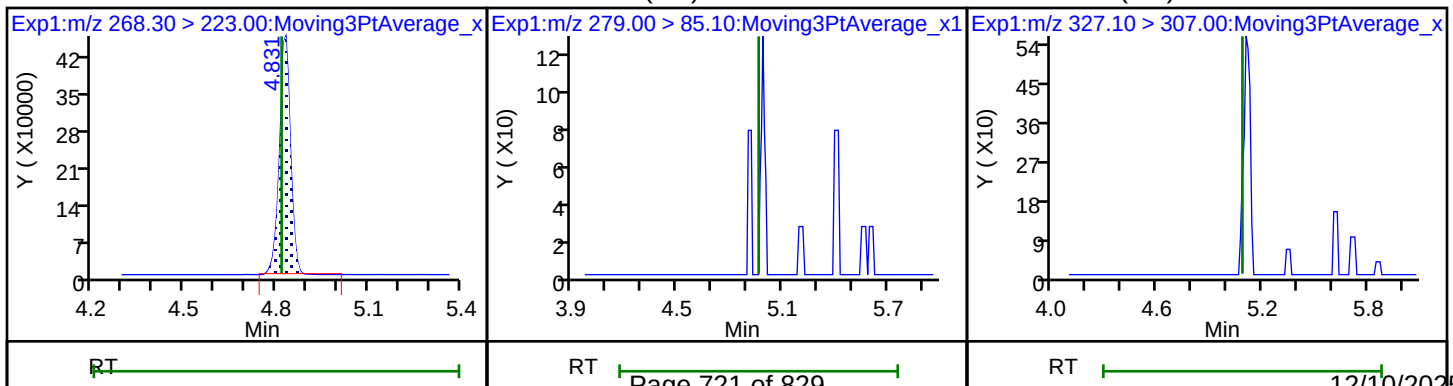
9 PFPA (ND)



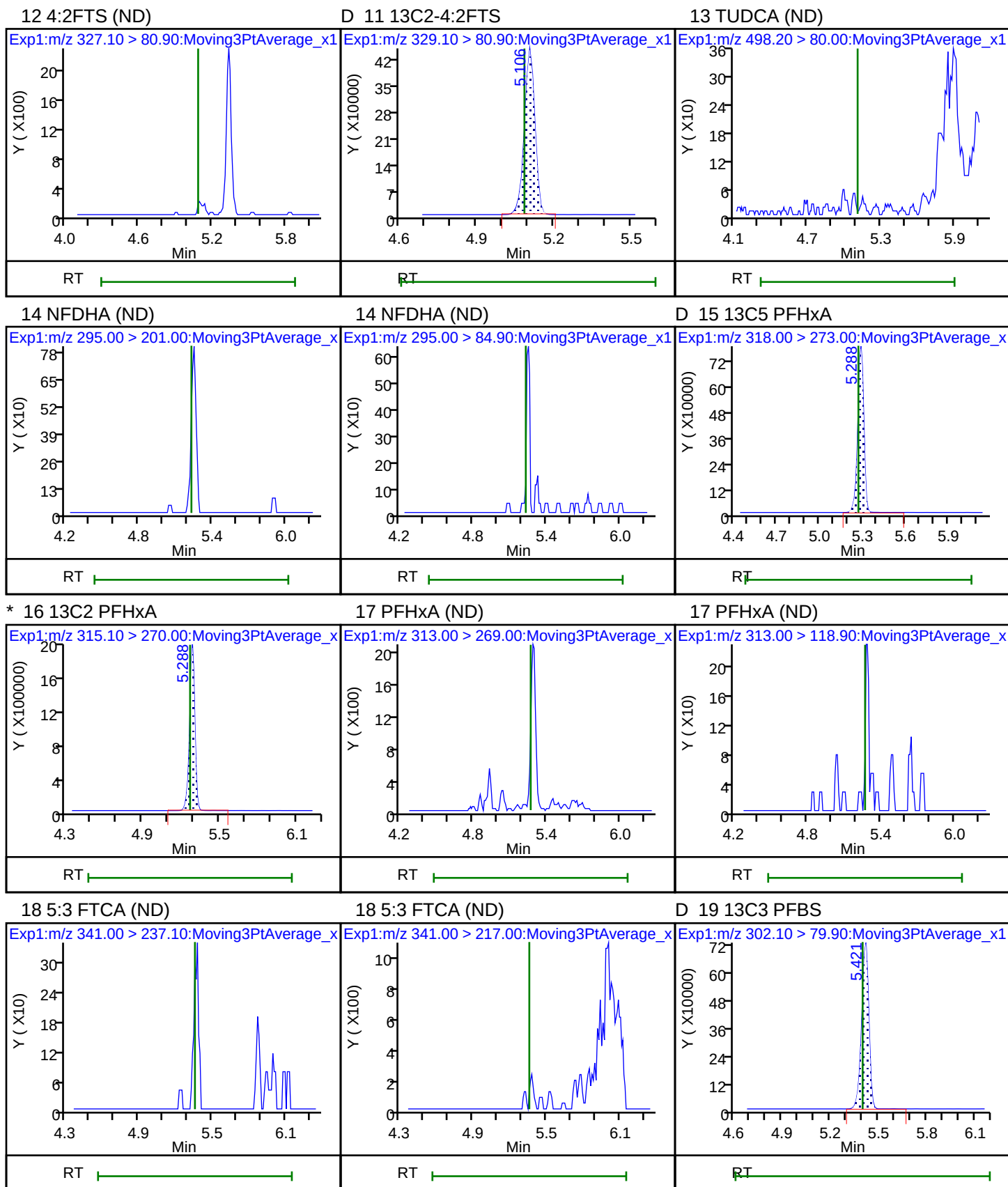
D 8 13C5 PFPeA

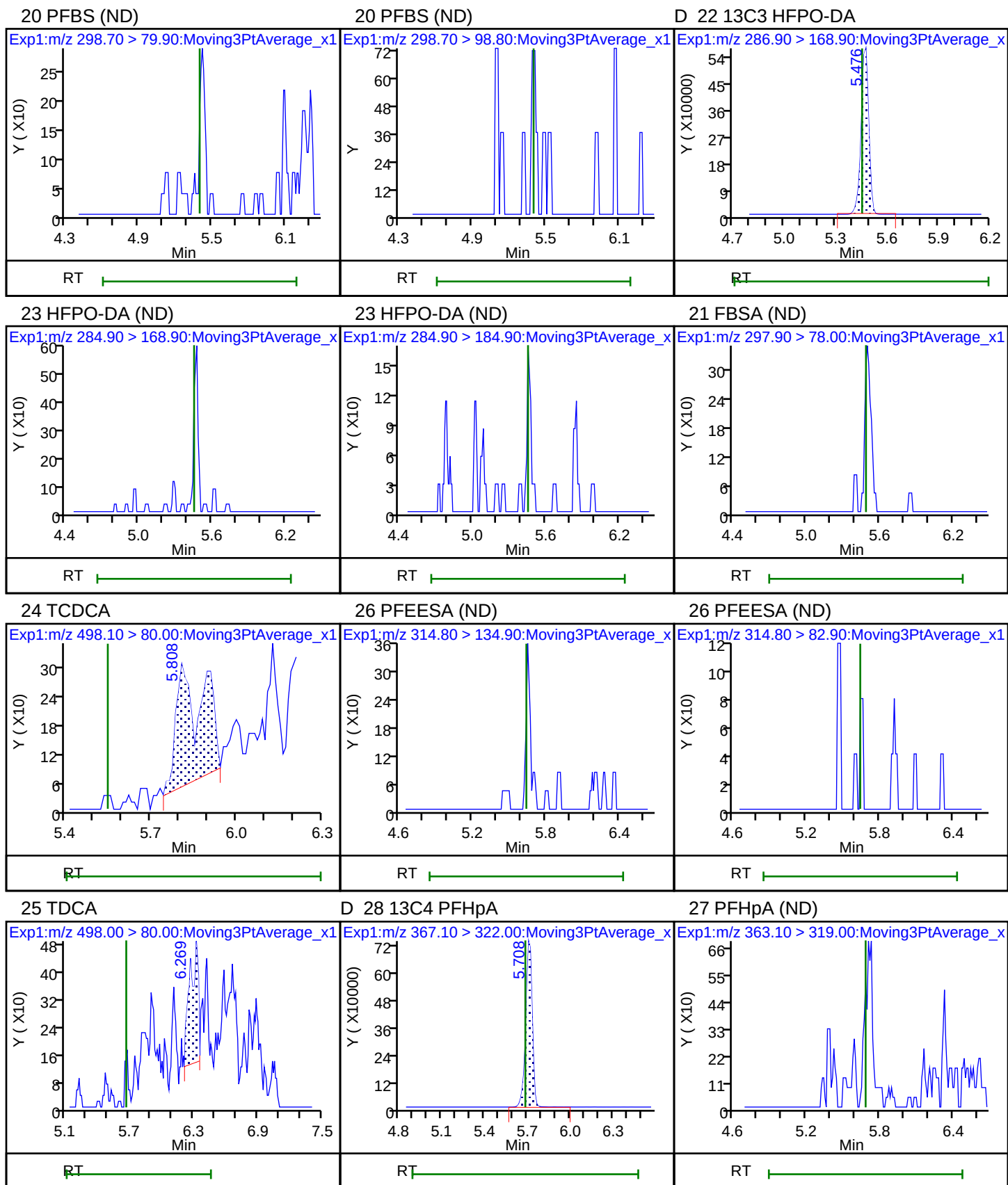
10 PFMBa (ND)

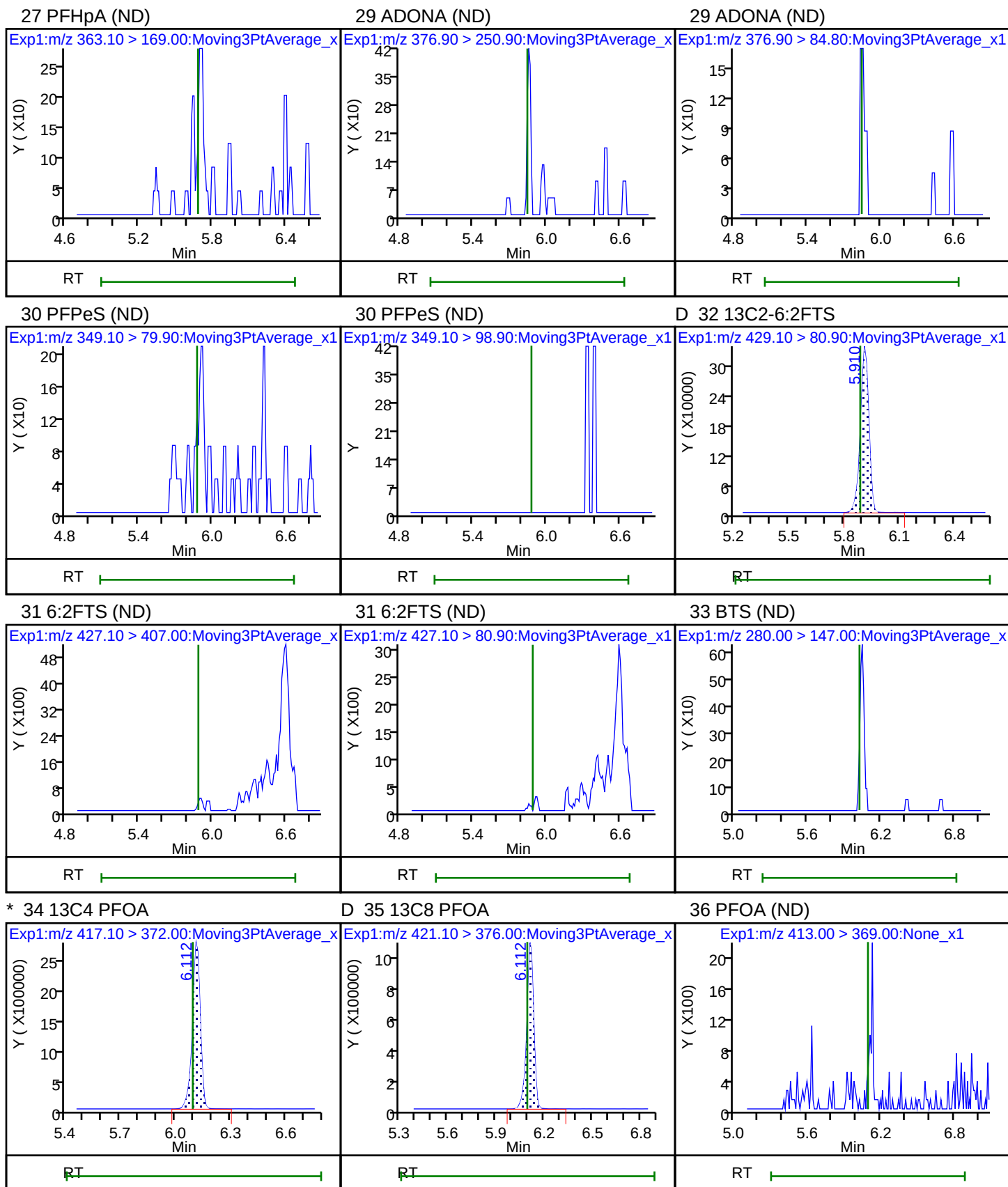
12 4:2FTS (ND)



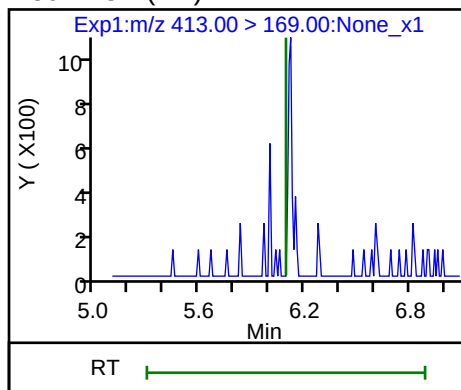
Q3706



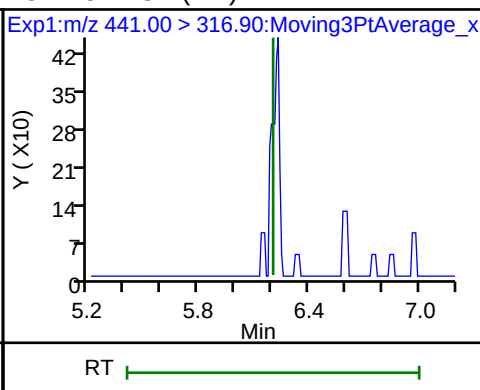




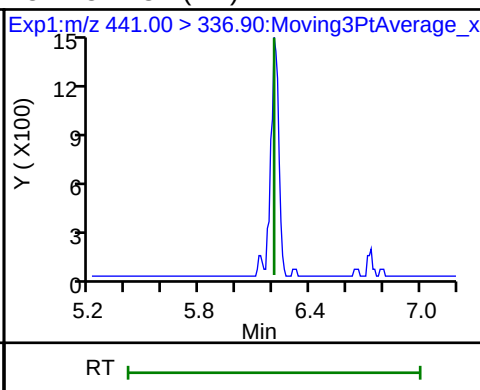
36 PFOA (ND)



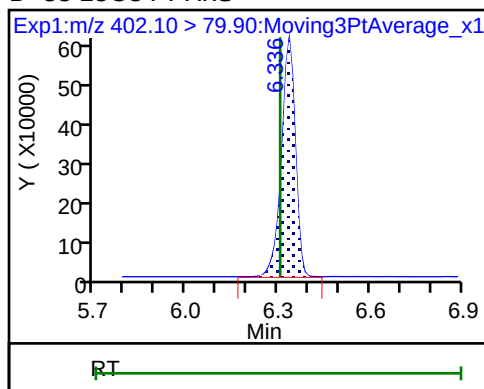
37 7:3 FTCA (ND)



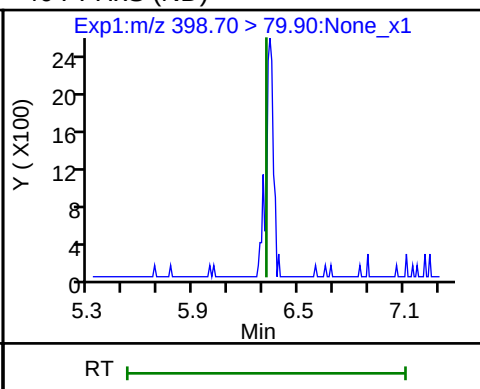
37 7:3 FTCA (ND)



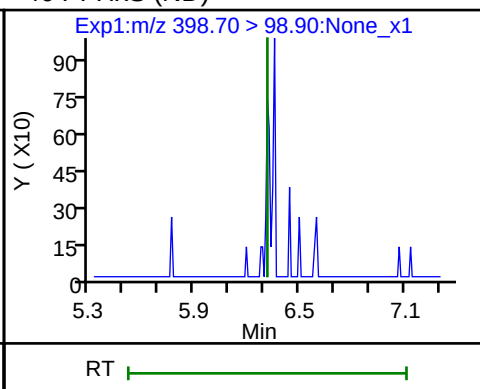
D 38 13C3 PFHxS



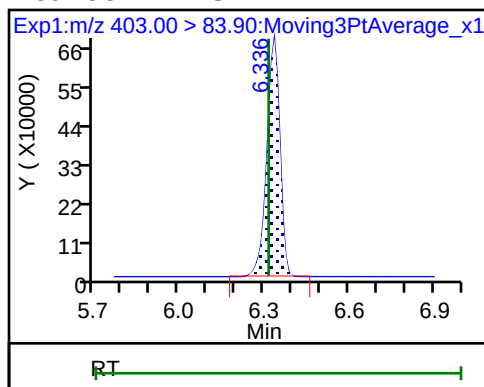
40 PFHxS (ND)



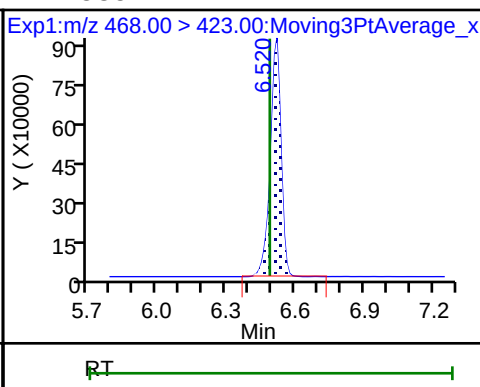
40 PFHxS (ND)



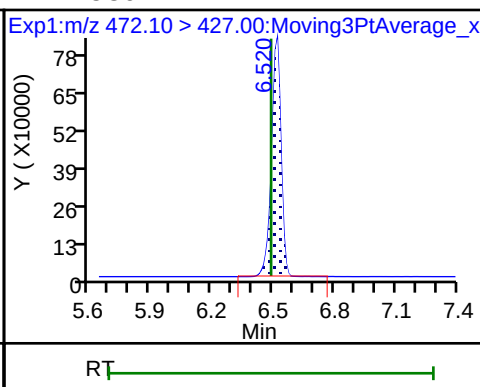
* 39 18O2 PFHxS



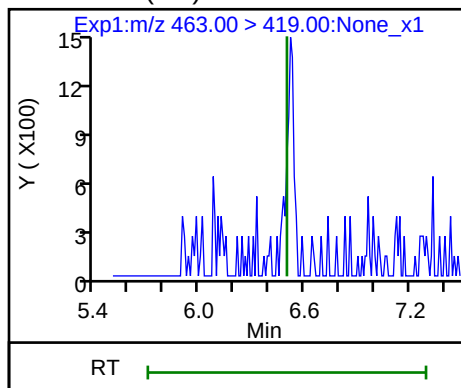
* 42 13C5 PFNA



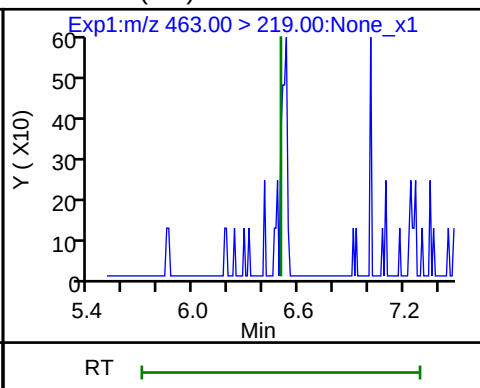
D 41 13C9 PFNA



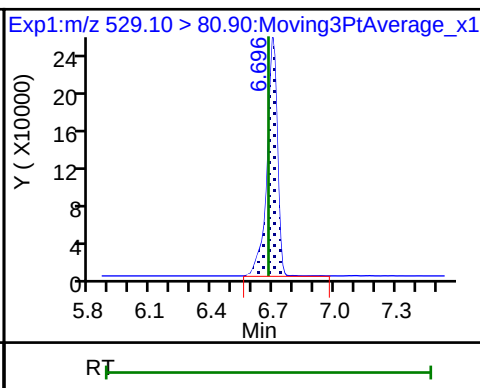
43 PFNA (ND)



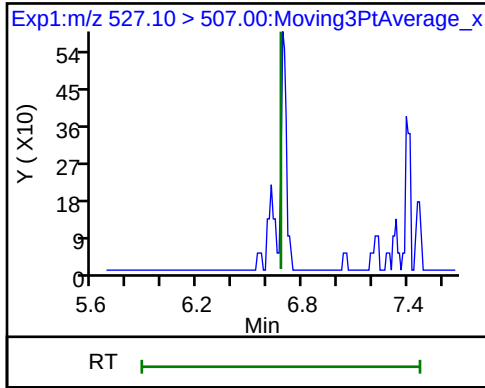
43 PFNA (ND)



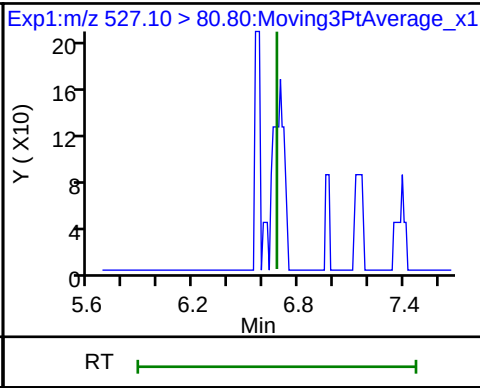
D 44 13C2-8:2FTS



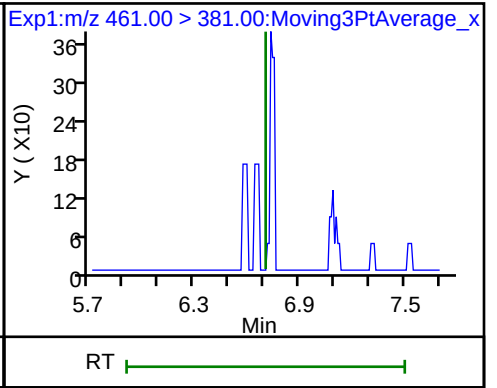
45 8:2FTS (ND)



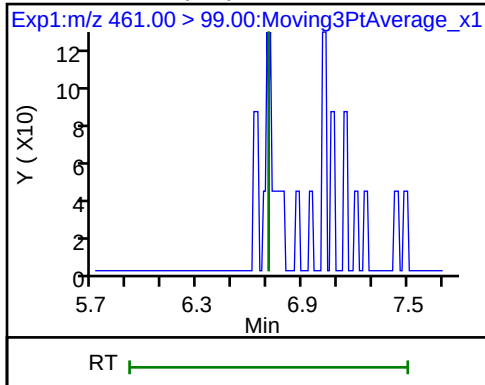
45 8:2FTS (ND)



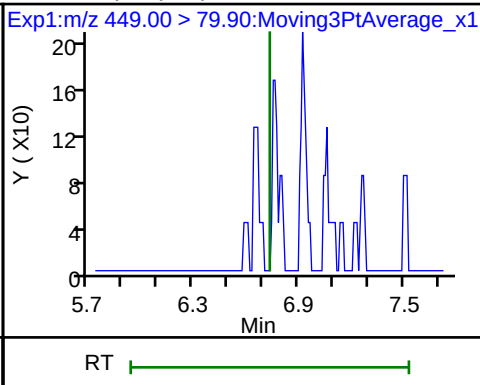
46 PFECHS (ND)



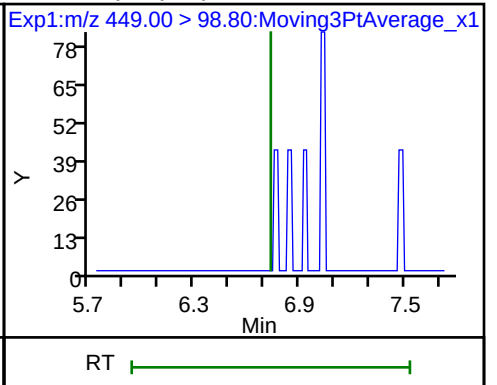
46 PFECHS (ND)



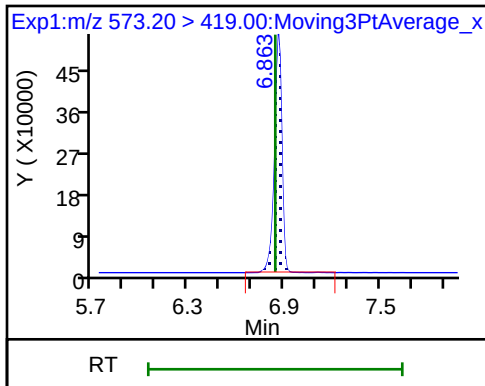
47 PFHpS (ND)



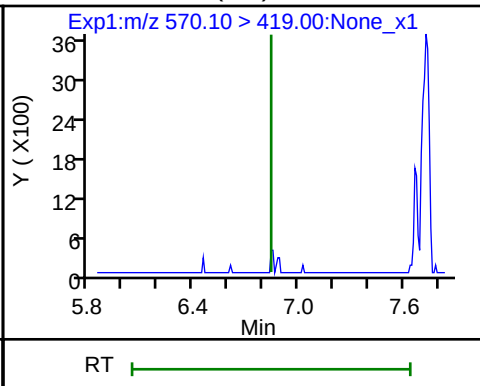
47 PFHpS (ND)



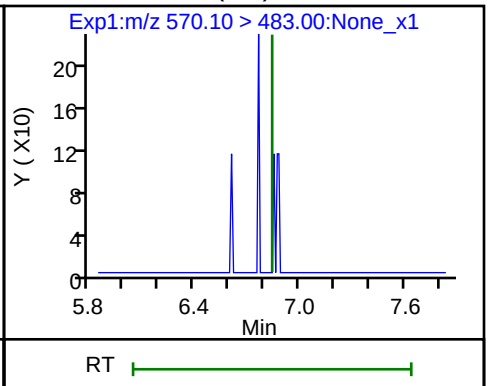
D 49 d3-NMeFOSAA



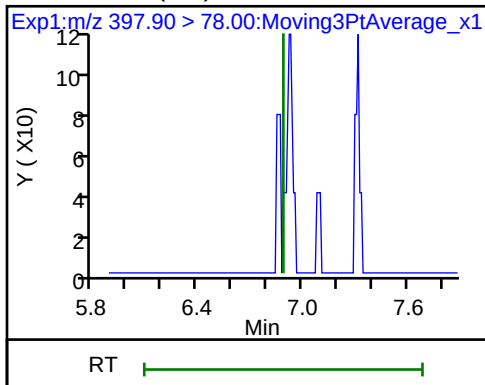
50 NMeFOSAA (ND)



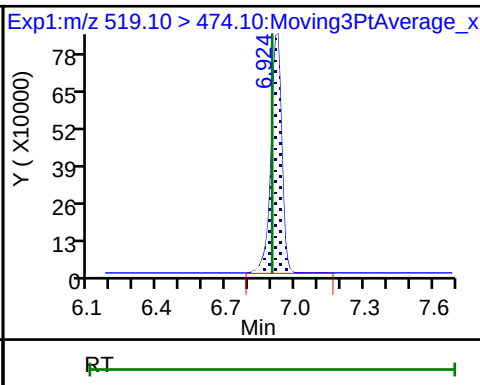
50 NMeFOSAA (ND)



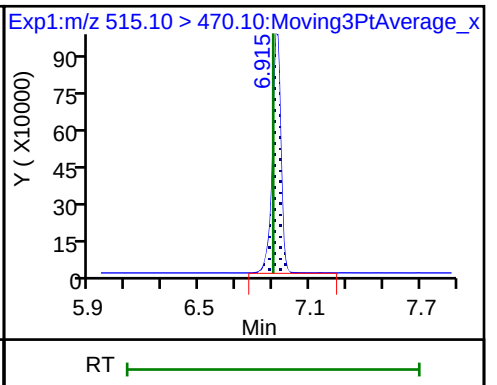
48 FHxSA (ND)

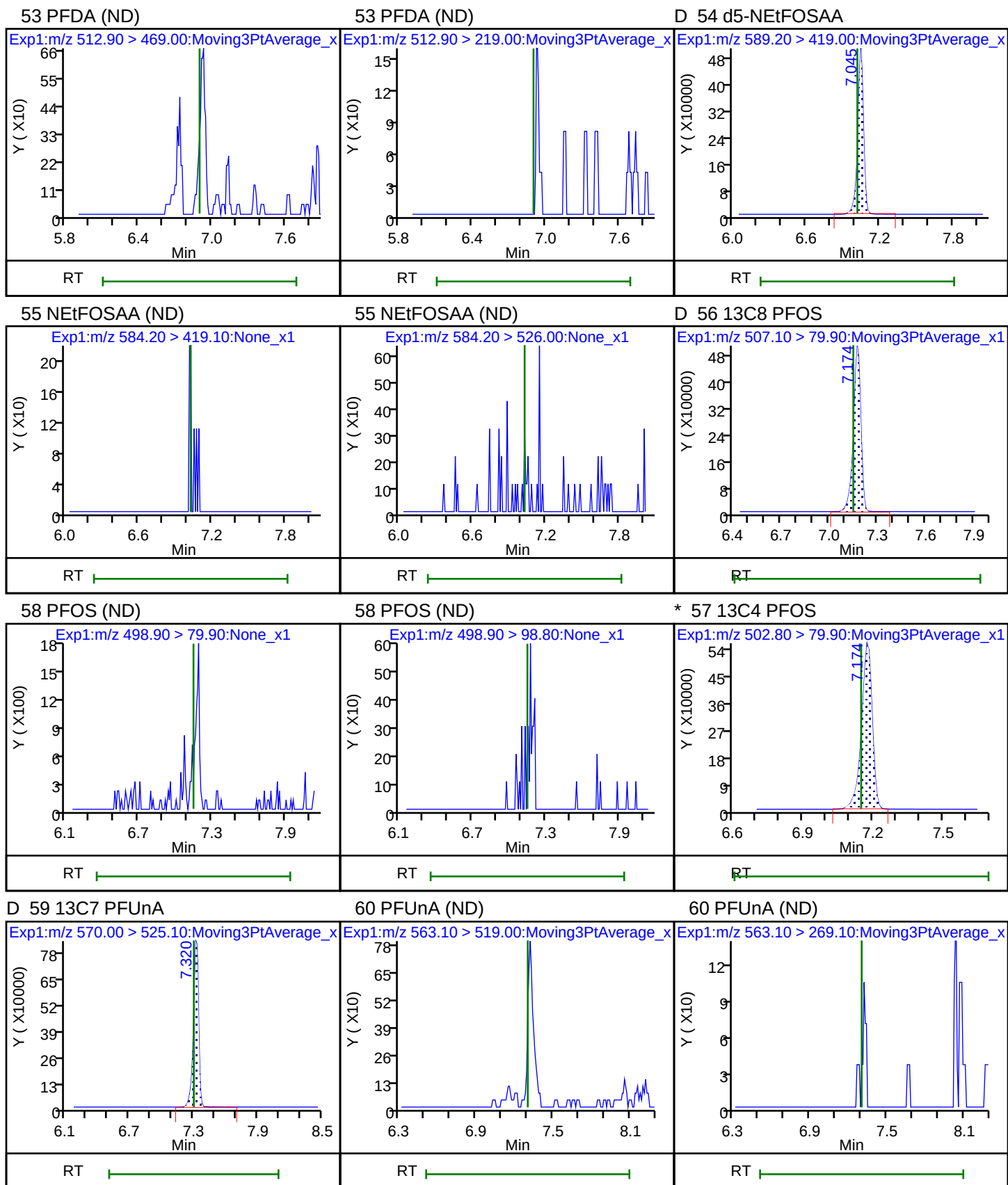


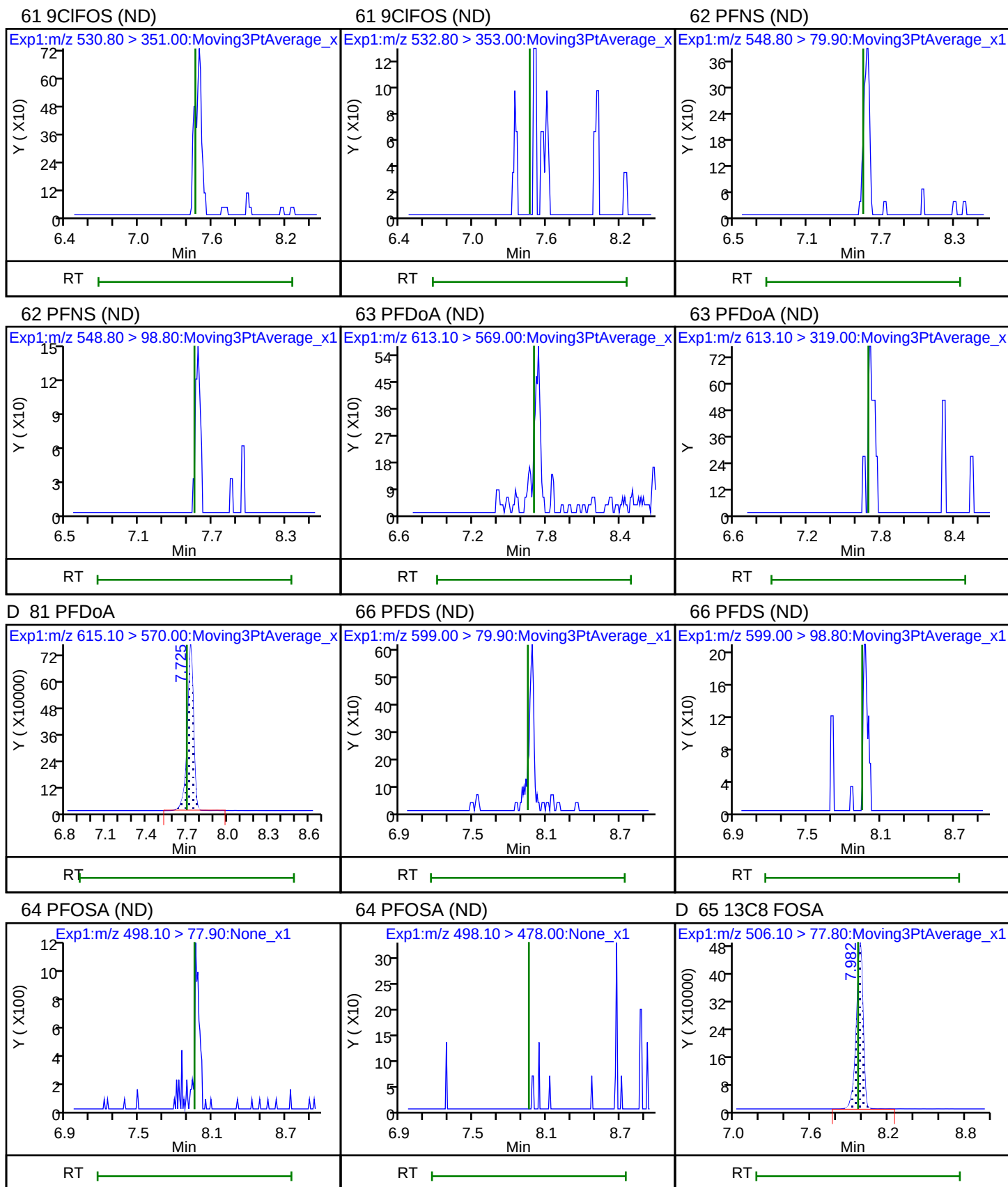
D 52 13C6 PFDA

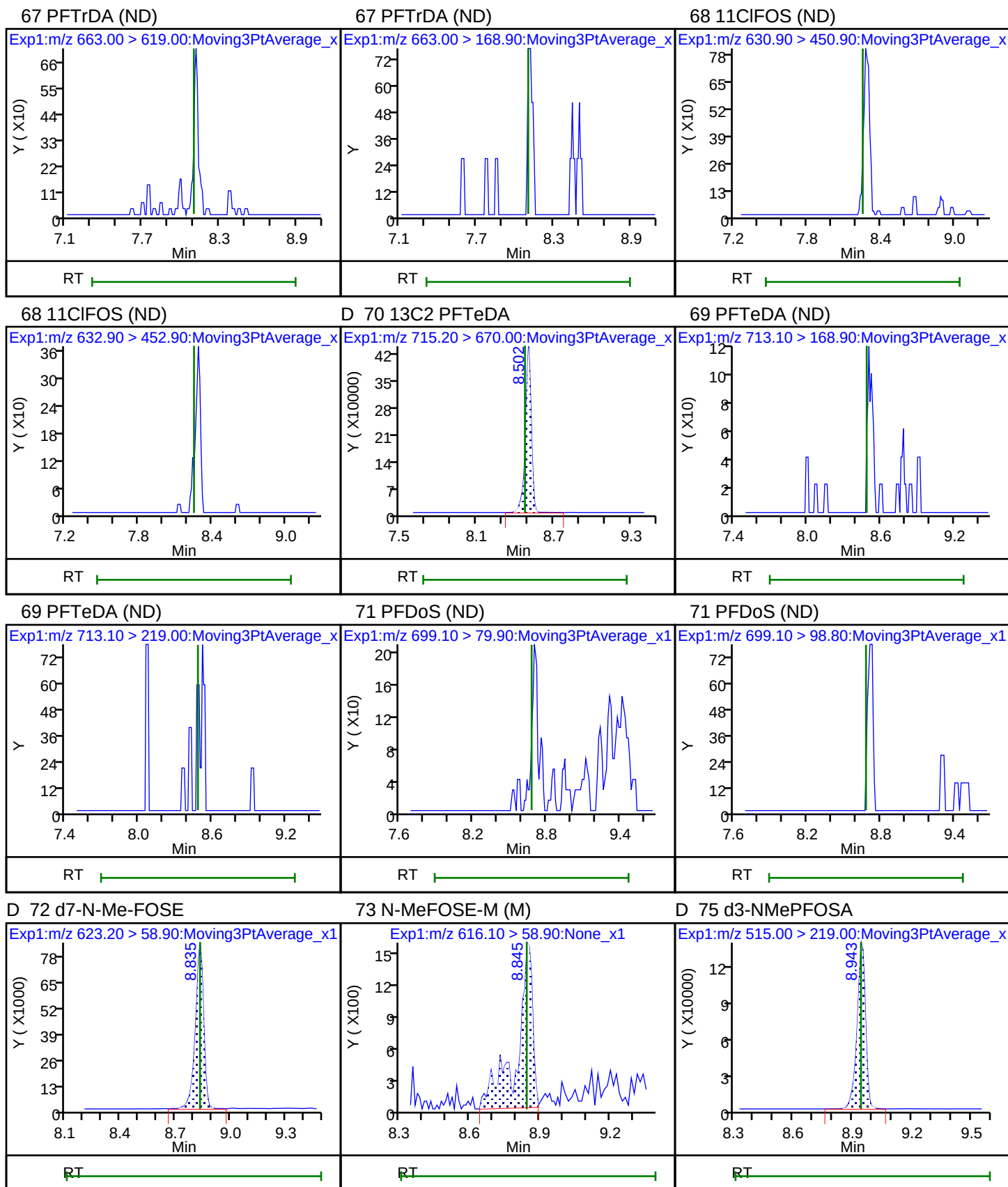


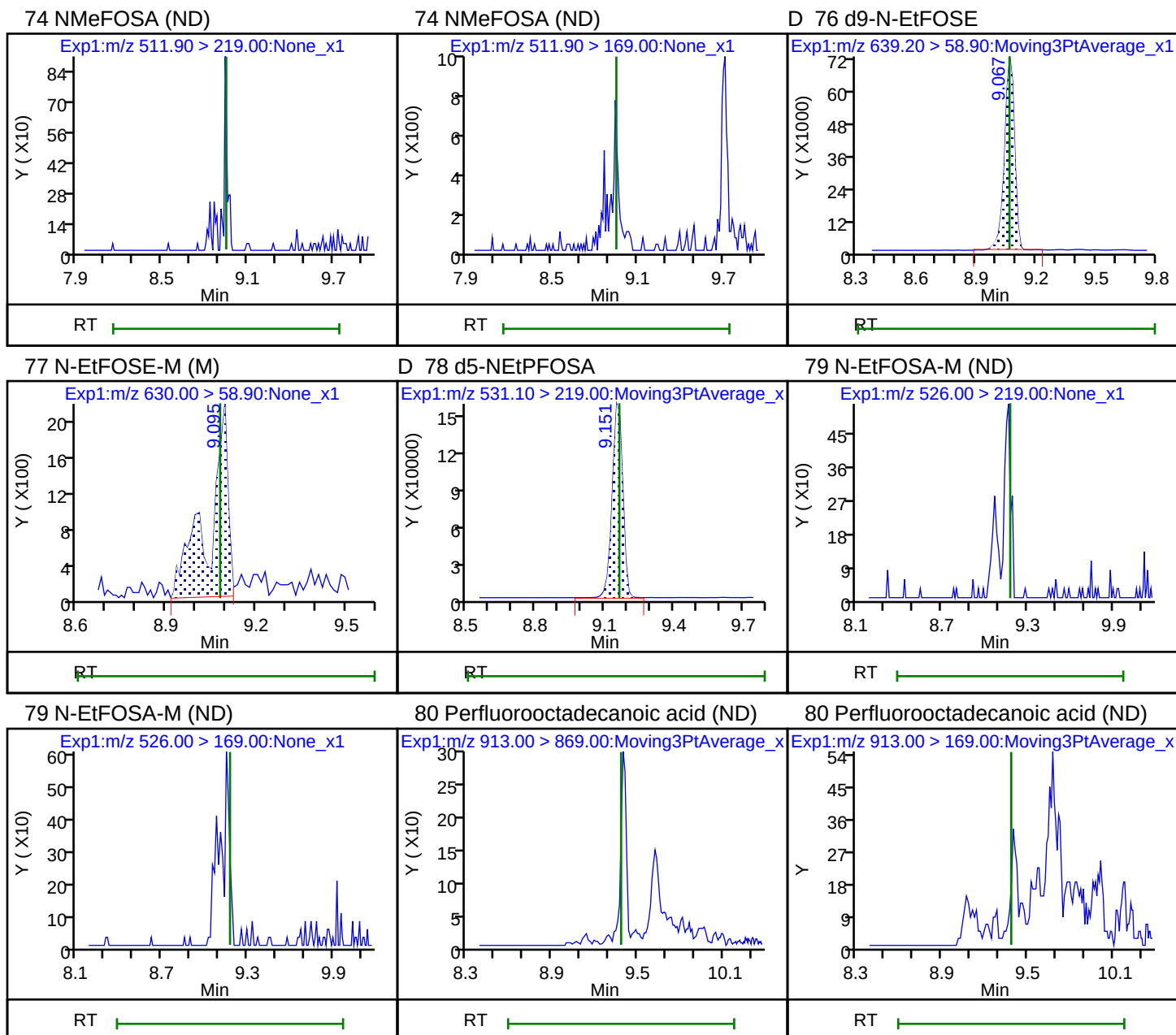
* 51 13C2 PFDA











Eurofins Lancaster Laboratories Environment Testing, LLC

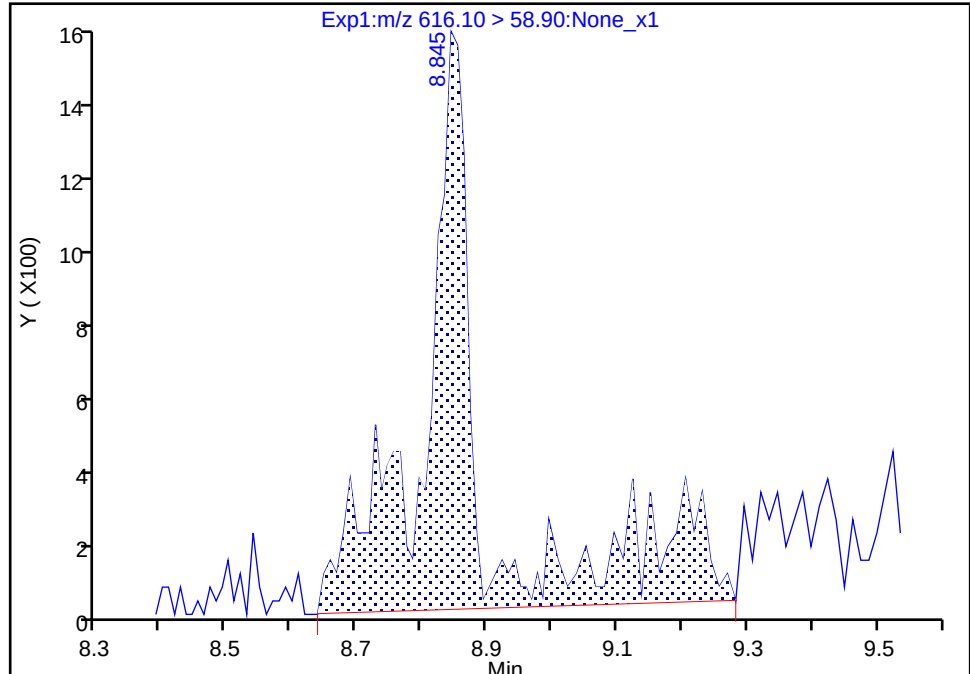
Data File: \\chromfs\Lancaster\ChromData\30577\20251204-168875.b\25DEC04JO-16.d
Injection Date: 04-Dec-2025 21:57:38 Instrument ID: 30577
Lims ID: MB 410-737578/10-A
Client ID:
Operator ID: ETUS023_USR_INS00009 ALS Bottle#: 26 Worklist Smp#: 20
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Method: 30577-1633-125 Limit Group: LC - 1633 LVI- ICAL
Column: Detector EXP1

73 N-MeFOSE-M, CAS: 24448-09-7

Signal: 1

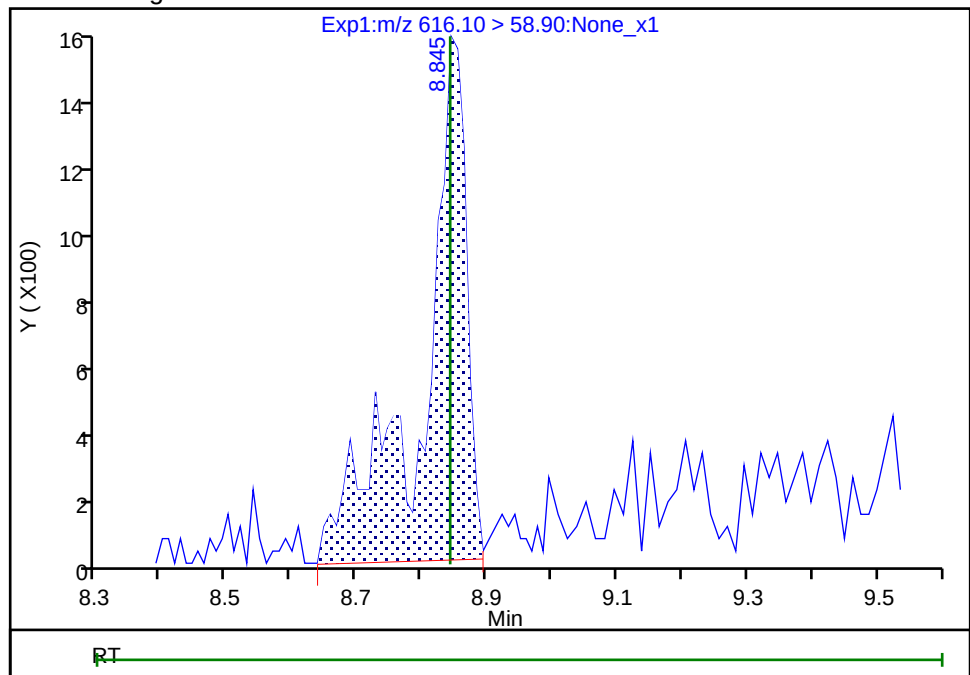
RT: 8.84
Area: 9916
Amount: 0.068214
Amount Units: ng/ml

Processing Integration Results



RT: 8.84
Area: 7034
Amount: 0.048388
Amount Units: ng/ml

Manual Integration Results



Reviewer: XBL5, 04-Dec-2025 23:32:48 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC

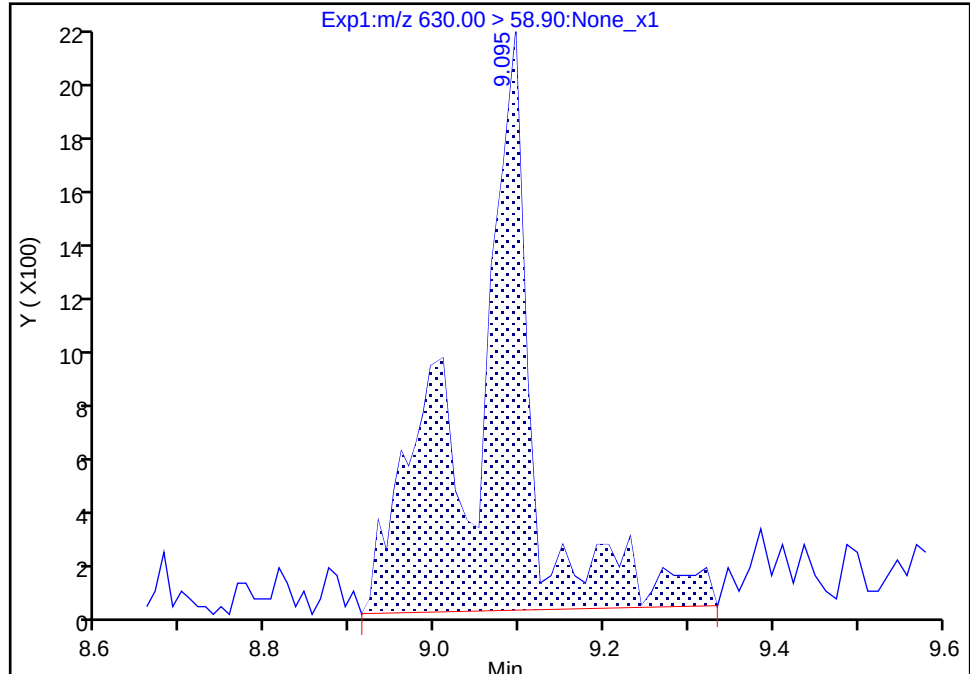
Data File: \\chromfs\Lancaster\ChromData\30577\20251204-168875.b\25DEC04JO-16.d
Injection Date: 04-Dec-2025 21:57:38 Instrument ID: 30577
Lims ID: MB 410-737578/10-A
Client ID:
Operator ID: ETUS023_USR_INS00009 ALS Bottle#: 26 Worklist Smp#: 20
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Method: 30577-1633-125 Limit Group: LC - 1633 LVI- ICAL
Column: Detector EXP1

77 N-EtFOSE-M, CAS: 1691-99-2

Signal: 1

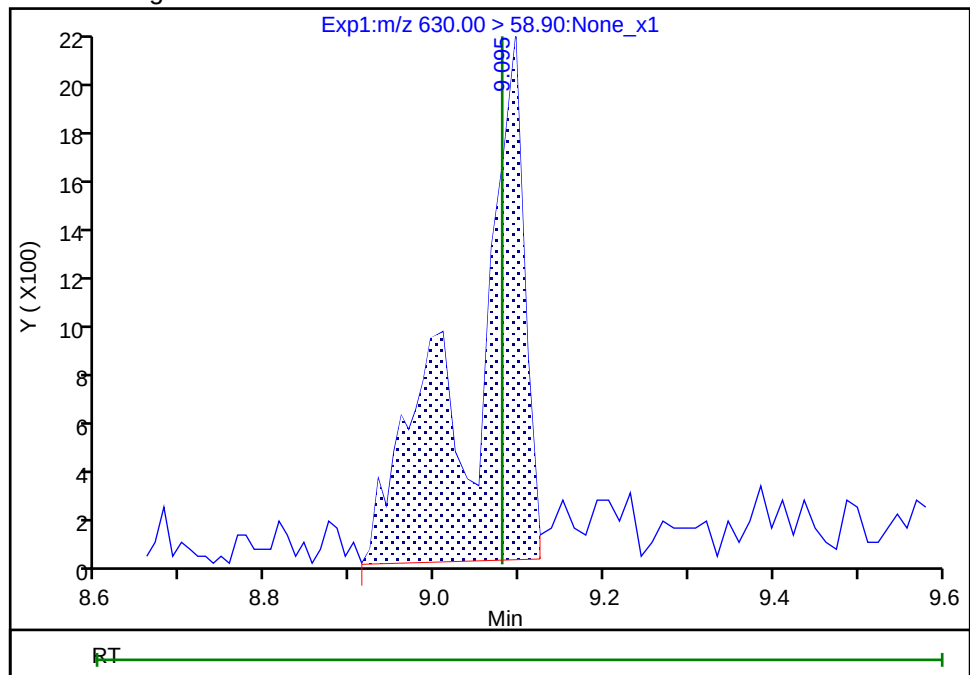
RT: 9.10
Area: 11002
Amount: 0.065009
Amount Units: ng/ml

Processing Integration Results



RT: 9.10
Area: 9256
Amount: 0.054692
Amount Units: ng/ml

Manual Integration Results



Reviewer: XBL5, 04-Dec-2025 23:32:53 -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.: 410-254628-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCS 410-736383/8-A

Matrix: Water

Lab File ID: 25DEC01E-14.d

Analysis Method: 1633

Date Collected:

Extraction Method: 1633

Date Extracted: 11/27/2025 11:19

Sample wt/vol: 125 (mL)

Date Analyzed: 12/01/2025 18:56

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.: 737075

Units: ng/L

Preparation Batch No.: 736383

Instrument ID: 30570

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	78.6		4.0	1.1
2706-90-3	Perfluoropentanoic acid	39.1		2.0	0.60
307-24-4	Perfluorohexanoic acid	38.5		2.0	0.50
375-85-9	Perfluoroheptanoic acid	41.6		2.0	0.80
335-67-1	Perfluorooctanoic acid	39.7		2.0	0.90
375-95-1	Perfluorononanoic acid	36.1		2.0	0.50
335-76-2	Perfluorodecanoic acid	38.7		2.0	0.50
2058-94-8	Perfluoroundecanoic acid	39.1		2.0	0.50
307-55-1	Perfluorododecanoic acid	40.4		2.0	0.50
72629-94-8	Perfluorotridecanoic acid	40.3		2.0	0.50
376-06-7	Perfluorotetradecanoic acid	40.0		2.0	0.50
375-73-5	Perfluorobutanesulfonic acid	36.3		2.0	0.50
2706-91-4	Perfluoropentanesulfonic acid	39.9		2.0	0.50
355-46-4	Perfluorohexanesulfonic acid	37.6		2.0	0.80
375-92-8	Perfluoroheptanesulfonic acid	38.7		2.0	0.50
1763-23-1	Perfluorooctanesulfonic acid	35.9		2.0	1.3
68259-12-1	Perfluorononanesulfonic acid	34.7		2.0	0.50
335-77-3	Perfluorodecanesulfonic acid	33.7		2.0	0.50
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	27.2		2.0	0.60
757124-72-4	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	78.0		4.0	1.0
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	73.6		4.0	1.0
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	76.6		4.0	1.0
754-91-6	Perfluorooctanesulfonamide	37.4		2.0	0.50
31506-32-8	NMeFOSA	40.8		2.0	0.50
4151-50-2	N-ethylperfluoro-1-octanesulfonamide	39.2		2.0	0.50
2355-31-9	NMeFOSAA	33.2		2.0	0.50
2991-50-6	NEtFOSAA	40.0		2.0	0.50

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-254628-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 410-736383/8-A

Matrix: Water Lab File ID: 25DEC01E-14.d

Analysis Method: 1633 Date Collected: _____

Extraction Method: 1633 Date Extracted: 11/27/2025 11:19

Sample wt/vol: 125 (mL) Date Analyzed: 12/01/2025 18:56

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.: 737075 Units: ng/L

Preparation Batch No.: 736383 Instrument ID: 30570

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
24448-09-7	2-(N-methylperfluoro-1-octanesulfonamido) ethanol	203		10	2.5
1691-99-2	2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	215		10	4.0
13252-13-6	HFPO-DA	27.4		2.0	1.4
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	34.3		2.0	0.50
377-73-1	Perfluoro-3-methoxypropanoic acid	42.6		2.0	0.50
863090-89-5	Perfluoro(4-methoxybutanoic acid)	36.9		2.0	0.50
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid	40.8		2.0	0.50
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	34.4		2.0	0.50
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	33.2		2.0	0.50
113507-82-7	PFESA	35.3		2.0	0.50
356-02-5	3:3 FTCA	74.1		4.0	1.0
914637-49-3	5:3 FTCA	132		10	2.8
812-70-4	7:3 FTCA	123		10	2.5

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-254628-1
SDG No.:	
Client Sample ID:	Lab Sample ID: LCS 410-736383/8-A
Matrix: Water	Lab File ID: 25DEC01E-14.d
Analysis Method: 1633	Date Collected:
Extraction Method: 1633	Date Extracted: 11/27/2025 11:19
Sample wt/vol: 125 (mL)	Date Analyzed: 12/01/2025 18:56
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:	Units: ng/L
Analysis Batch No.: 737075	Instrument ID: 30570
Preparation Batch No.: 736383	

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	80.1		5-130
STL01893	13C5 PFPeA	94.6		40-130
STL02577	13C5 PFHxA	94.1		40-130
STL01892	13C4 PFHpA	93.3		40-130
STL01052	13C8 PFOA	87.1		40-130
STL02578	13C9 PFNA	82.2		40-130
STL02579	13C6 PFDA	76.1		40-130
STL02580	13C7 PFUnA	73.9		30-130
STL02116	13C2 PFTeDA	53.9		10-130
STL02337	13C3 PFBS	85.6		40-135
STL02581	13C3 PFHxS	82.2		40-130
STL01054	13C8 PFOS	81.6		40-130
STL01056	13C8 FOSA	65.4		40-130
STL02118	d3-NMeFOSAA	76.2		40-170
STL02117	d5-NEtFOSAA	61.6		25-135
STL02395	M2-4:2 FTS	93.0		40-200
STL02279	M2-6:2 FTS	99.1		40-200
STL02280	M2-8:2 FTS	89.5		40-300
STL02255	13C3 HFPO-DA	103		40-130
STL02277	d7-N-MeFOSE-M	51.4		10-130
STL02278	d9-N-EtFOSE-M	45.0		10-130
STL02704	d5-NEtPFOSA	55.3		10-130
STL02705	d3-NMePFOSA	58.3		10-130
960315-52-0	13C2 PFDoA	64.7		10-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\25DEC01E-14.d
 Lims ID: LCS 410-736383/8-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 01-Dec-2025 18:56:41 ALS Bottle#: 22 Worklist Smp#: 38
 Injection Vol: 7.0 ul Dil. Factor: 1.0000
 Sample Info: LCS 410-736383/8-A
 Misc. Info.: Plate: 1 Rack: 1 410-0168432-038
 Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570
 Method: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\30570-1633-125ml.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 02-Dec-2025 07:28:53 Calib Date: 29-Nov-2025 12:50:55
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-08.d
 Column 1 : Det: EXP1
 Process Host: CTX1649

First Level Reviewer: MC7V

Date: 02-Dec-2025 07:23:57

Ratio Calibration: Initial Calibration Level: 5

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C3PFPrA										
166.00 > 121.00	1.926	1.973	-0.047	0.473	841583	1.02		51.2	59735	
2 Perfluoropropionic acid										
163.00 > 119.00	1.938	1.985	-0.047	1.006	2379359	5.73		115	18377	
5 PFBA										
212.80 > 168.90	4.077	4.109	-0.032	1.000	1608005	1.96		98.2	18690	
D 3 13C4-PFBA										
216.80 > 171.90	4.077	4.109	-0.032	1.000	1790396	1.60		80.1	4515	
* 4 13C3PFBA										
216.00 > 172.00	4.077	4.109	-0.032		1924010	2.00			620	
6 PFMPA										
229.00 > 84.90	4.392	4.424	-0.032	0.930	942724	1.06		106	3600	
7 3:3 FTCA										
241.00 > 177.00	4.406	4.433	-0.027	0.933	77450	1.85	Target=1.35	92.6	1437	
241.00 > 117.00	4.406	4.433	-0.027	0.933	55800		1.39(0.68-2.03)		529	
D 8 13C5 PFPeA										
268.30 > 223.00	4.723	4.755	-0.032	0.912	1368645	1.89		94.6	7695	
9 PFPA										
263.00 > 219.00	4.723	4.765	-0.042	1.000	807022	0.9770		97.7	732	
10 PFMBBA										
279.00 > 85.10	4.875	4.915	-0.040	1.032	1087471	0.9222		92.2	4087	
D 13 13C2-4:2FTS										
329.10 > 80.90	4.998	5.036	-0.038	0.808	913405	4.36		93.0	2663	
11 4:2FTS										
327.10 > 307.00	4.998	5.036	-0.038	1.000	624524	1.95	Target=1.50	104	2906	
327.10 > 80.90	4.998	5.036	-0.038	1.000	401365		1.56(0.75-2.25)		658	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.143	5.181	-0.038	0.993	168267	1.02	Target=1.60	102	927	
295.00 > 84.90	5.143	5.181	-0.038	0.993	107612		1.56(0.80-2.41)		805	
* 16 13C2 PFHxA										
315.10 > 270.00	5.181	5.219	-0.038		4402494	5.00			5537	
D 15 13C5 PFHxA										
318.00 > 273.00	5.181	5.219	-0.038	1.000	1878567	1.88		94.1	14719	
17 PFHxA										
313.00 > 269.00	5.181	5.228	-0.047	1.000	873666	0.9633	Target=10.68	96.3	1681	
313.00 > 118.90	5.181	5.228	-0.047	1.000	74509		11.73(5.34-16.01)		436	
18 5:3 FTCA										
341.00 > 237.10	5.258	5.297	-0.039	1.015	404784	3.29	Target=0.91	65.8	1546	
341.00 > 217.00	5.258	5.297	-0.039	1.015	470096		0.86(0.46-1.37)		3717	
19 PFBS										
298.70 > 79.90	5.308	5.362	-0.054	1.000	1026772	0.9070	Target=2.86	102	1643	
298.70 > 98.80	5.308	5.362	-0.054	1.000	350922		2.93(1.43-4.30)		1600	
D 20 13C3 PFBS										
302.10 > 79.90	5.308	5.362	-0.054	0.858	1720753	1.60		85.6	5615	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.362	5.406	-0.044	1.035	1409114	2.05		103	5849	
21 HFPO-DA										
284.90 > 168.90	5.362	5.406	-0.044	1.000	499141	0.6843	Target=2.59	91.2	1104	
284.90 > 184.90	5.362	5.406	-0.044	1.000	200384		2.49(1.30-3.89)		1082	
23 FBSA										
297.90 > 78.00	5.362	5.427	-0.065	1.010	724004	0.7593		75.9	2446	
26 PFEESA										
314.80 > 134.90	5.544	5.599	-0.055	1.070	2417656	0.8827	Target=12.75	99.0	12053	
314.80 > 82.90	5.544	5.599	-0.055	1.070	190881		12.67(6.37-19.12)		1461	
28 PFHpA										
363.10 > 319.00	5.588	5.642	-0.054	1.000	782424	1.04	Target=2.26	104	1632	
363.10 > 169.00	5.588	5.642	-0.054	1.000	334421		2.34(1.13-3.39)		1680	
D 27 13C4 PFHpA										
367.10 > 322.00	5.588	5.642	-0.054	1.079	1583745	1.87		93.3	7541	
29 ADONA										
376.90 > 250.90	5.743	5.799	-0.056	1.071	1992683	0.8581	Target=1.92	90.7	3891	
376.90 > 84.80	5.743	5.799	-0.056	1.071	1052572		1.89(0.96-2.88)		3721	
30 PFPeS										
349.10 > 79.90	5.776	5.845	-0.069	0.932	815609	1.00	Target=3.26	106	2751	
349.10 > 98.90	5.776	5.845	-0.069	0.932	232489		3.51(1.63-4.89)		1537	
31 6:2FTS										
427.10 > 407.00	5.787	5.845	-0.058	1.000	542149	1.84	Target=1.68	96.6	159	
427.10 > 80.90	5.787	5.845	-0.058	1.000	325093		1.67(0.84-2.52)		200	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.787	5.845	-0.058	0.935	745975	4.72		99.1	1539	
33 BTS										
280.00 > 147.00	5.929	6.007	-0.078	0.957	1493063	1.01		103	4139	
* 35 13C4 PFOA										
417.10 > 372.00	5.977	6.038	-0.061		5508238	5.00			49842	

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	5.977	6.048	-0.071	1.000	1983579	1.74		87.1	2742	
36 PFOA										
413.00 > 369.00	5.977	6.048	-0.071	1.000	801738	0.99	Target=2.08	99.2	859	
413.00 > 169.00	5.977	6.048	-0.071	1.000	376594		2.13(1.04-3.13)		829	
37 7:3 FTCA										
441.00 > 316.90	6.048	6.102	-0.054	1.167	199311	3.07	Target=0.45	61.3	663	
441.00 > 336.90	6.048	6.102	-0.054	1.167	415224		0.48(0.23-0.68)		1318	
D 39 13C3 PFHxS										
402.10 > 79.90	6.196	6.268	-0.072	1.001	1234101	1.56		82.2	1440	
* 38 18O2 PFHxS										
403.00 > 83.90	6.187	6.268	-0.081		1476264	1.90			5384	
40 PFHxS										
398.70 > 79.90	6.196	6.277	-0.081	1.000	704112	0.9398	Target=3.32	103	848	
398.70 > 98.90	6.196	6.277	-0.081	1.000	211361		3.33(1.66-4.97)		649	
43 PFNA										
463.00 > 419.00	6.360	6.430	-0.070	1.000	770221	0.9030	Target=2.36	90.3	1224	
463.00 > 219.00	6.360	6.430	-0.070	1.000	318321		2.42(1.18-3.54)		537	
* 41 13C5 PFNA										
468.00 > 423.00	6.360	6.430	-0.070		2339046	2.00			6749	
D 42 13C9 PFNA										
472.10 > 427.00	6.360	6.430	-0.070	1.000	1850350	1.64		82.2	1100	
44 8:2FTS										
527.10 > 507.00	6.527	6.610	-0.083	1.000	446589	1.92	Target=1.32	99.7	906	
527.10 > 80.80	6.527	6.610	-0.083	1.000	338496		1.32(0.66-1.99)		1338	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.527	6.610	-0.083	1.055	847832	4.30		89.5	1464	
46 PFECHS										
461.00 > 381.00	6.558	6.641	-0.083	1.058	219010	0.9500	Target=0.28	103	944	
461.00 > 99.00	6.558	6.641	-0.083	1.058	756721		0.29(0.14-0.42)		1790	
47 PFHpS										
449.00 > 79.90	6.589	6.673	-0.084	0.943	742078	0.9665	Target=3.76	101	1674	
449.00 > 98.80	6.589	6.673	-0.084	0.943	205924		3.60(1.88-5.64)		1134	
53 FHxSA										
397.90 > 78.00	6.630	6.683	-0.053	1.070	815983	0.8425		84.3	1258	
49 NMeFOSAA										
570.10 > 419.00	6.683	6.763	-0.080	1.002	210771	0.8300	Target=1.91	83.0	344	
570.10 > 483.00	6.683	6.763	-0.080	1.002	115426		1.83(0.96-2.87)		335	
D 48 d3-NMeFOSAA										
573.20 > 419.00	6.673	6.763	-0.090	0.955	1285557	3.81		76.2	1278	
* 50 13C2 PFDA										
515.10 > 470.10	6.735	6.823	-0.088		2036501	2.00			4570	
D 51 13C6 PFDA										
519.10 > 474.10	6.735	6.823	-0.088	1.000	1571220	1.52		76.1	5899	
52 PFDA										
512.90 > 469.00	6.735	6.823	-0.088	1.000	759391	0.9669	Target=4.25	96.7	1857	
512.90 > 219.00	6.745	6.823	-0.078	1.002	173418		4.38(2.12-6.37)		653	

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	6.842	6.927	-0.085	0.979	1041589	3.08		61.6	1235	
55 NEtFOSAA										
584.20 > 419.10	6.851	6.936	-0.085	1.001	159653	1.00	Target=1.44	100	464	
584.20 > 526.00	6.842	6.936	-0.094	1.000	114625		1.39(0.72-2.15)		291	
D 56 13C8 PFOS										
507.10 > 79.90	6.988	7.080	-0.092	1.000	1196240	1.56		81.6	1403	
58 PFOS										
498.90 > 79.90	6.988	7.080	-0.092	1.000	860854	0.8984	Target=4.40	96.6	1651	
498.90 > 98.80	6.988	7.080	-0.092	1.000	201864		4.26(2.20-6.60)		749	
* 57 13C4 PFOS										
502.80 > 79.90	6.988	7.080	-0.092		1661863	1.92			3330	
D 59 13C7 PFUnA										
570.00 > 525.10	7.120	7.223	-0.103	1.057	1735717	1.48		73.9	5903	
60 PFUnA										
563.10 > 519.00	7.130	7.223	-0.093	1.001	745241	0.9777	Target=6.12	97.8	3100	
563.10 > 269.10	7.130	7.223	-0.093	1.001	119567		6.23(3.06-9.18)		836	
61 9CIFOS										
530.80 > 351.00	7.284	7.397	-0.113	1.042	1478664	0.8597	Target=3.14	92.0	1986	
532.80 > 353.00	7.284	7.397	-0.113	1.042	479676		3.08(1.57-4.71)		3747	
62 PFNS										
548.80 > 79.90	7.378	7.488	-0.110	1.056	620997	0.8686	Target=3.48	90.3	1875	
548.80 > 98.80	7.378	7.488	-0.110	1.056	166944		3.72(1.74-5.23)		715	
D 81 13C2 PFDaA										
615.10 > 570.00	7.522	7.624	-0.102	1.117	1280989	1.29		64.7	3495	
63 PFDaA										
613.10 > 569.00	7.522	7.631	-0.109		666537	1.01	Target=6.22	101	1750	
613.10 > 319.00	7.513	7.631	-0.118		103695		6.43(3.11-9.33)		795	
D 65 13C8 FOSA										
506.10 > 77.80	7.737	7.776	-0.039	1.107	1299543	1.31		65.4	1754	
64 PFOSA										
498.10 > 77.90	7.737	7.776	-0.039	1.000	543574	0.9339	Target=53.04	93.4	1415	M
498.10 > 478.00	7.745	7.776	-0.031	1.001	10755		50.54(26.52-79.56)		31.8	M
66 PFDS										
599.00 > 79.90	7.768	7.887	-0.119	1.112	645787	0.8425	Target=3.66	87.4	3323	
599.00 > 98.80	7.768	7.887	-0.119	1.112	170319		3.79(1.83-5.49)		1425	
67 PFTTrDA										
663.00 > 619.00	7.918	8.027	-0.109	0.953	648256	1.01	Target=5.85	101	2511	
663.00 > 168.90	7.918	8.027	-0.109	0.953	116580		5.56(2.93-8.78)		960	
68 11CIFOS										
630.90 > 450.90	8.080	8.203	-0.123	1.156	996065	0.8294	Target=3.12	87.9	3193	
632.90 > 452.90	8.080	8.203	-0.123	1.156	324949		3.07(1.56-4.68)		1542	
D 69 13C2 PFTeDA										
715.20 > 670.00	8.306	8.423	-0.117	1.233	543991	1.08		53.9	1810	
70 PFTeDA										
713.10 > 168.90	8.306	8.432	-0.126	1.000	79322	1.00	Target=1.15	100	891	
713.10 > 219.00	8.306	8.432	-0.126	1.000	65439		1.21(0.58-1.73)		493	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
71 PFDoS										
699.10 > 79.90	8.523	8.658	-0.135	1.220	419017	0.6801	Target=4.11	70.1	1788	
699.10 > 98.80	8.523	8.658	-0.135	1.220	105478		3.97(2.05-6.16)		1190	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.727	8.741	-0.014	1.249	354100	2.57		51.4	301	
73 N-MeFOSE-M										
616.10 > 58.90	8.754	8.754	0.0	1.003	835826	5.07		101	2358	
D 74 d3-NMePFOSA										
515.00 > 219.00	8.848	8.861	-0.013	1.266	281019	1.17		58.3	1184	
75 NMeFOSA										
511.90 > 219.00	8.848	8.861	-0.013	1.000	147519	1.02	Target=0.69	102	629	
511.90 > 169.00	8.848	8.861	-0.013	1.000	209578		0.70(0.35-1.04)		588	
D 76 d9-N-EtFOSE										
639.20 > 58.90	8.975	8.987	-0.012	1.284	358116	2.25		45.0	303	
77 N-EtFOSE-M										
630.00 > 58.90	8.999	9.011	-0.012	1.003	1093458	5.38		108	1416	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.068	9.079	-0.011	1.298	321232	1.11		55.3	1216	
79 N-EtFOSA-M										
526.00 > 219.00	9.079	9.091	-0.012	1.001	145662	0.9798	Target=0.81	98.0	879	
526.00 > 169.00	9.079	9.091	-0.012	1.001	176819		0.82(0.41-1.22)		773	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.258	9.453	-0.195	1.115	313259	0.5042	Target=18.31	50.4	2565	
913.00 > 169.00	9.258	9.453	-0.195	1.115	17287		18.12(9.15-27.46)		590	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_IS_V_00521

Amount Added: 50.00

Units: uL

Data File: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\25DEC01E-14.d

Injection Date: 01-Dec-2025 18:56:41

Instrument ID: 30570

Lims ID: LCS 410-736383/8-A

Client ID:

Operator ID: ETUS023_USR_INS00003

ALS Bottle#: 22

Worklist Smp#: 38

Injection Vol: 7.0 ul

Dil. Factor: 1.0000

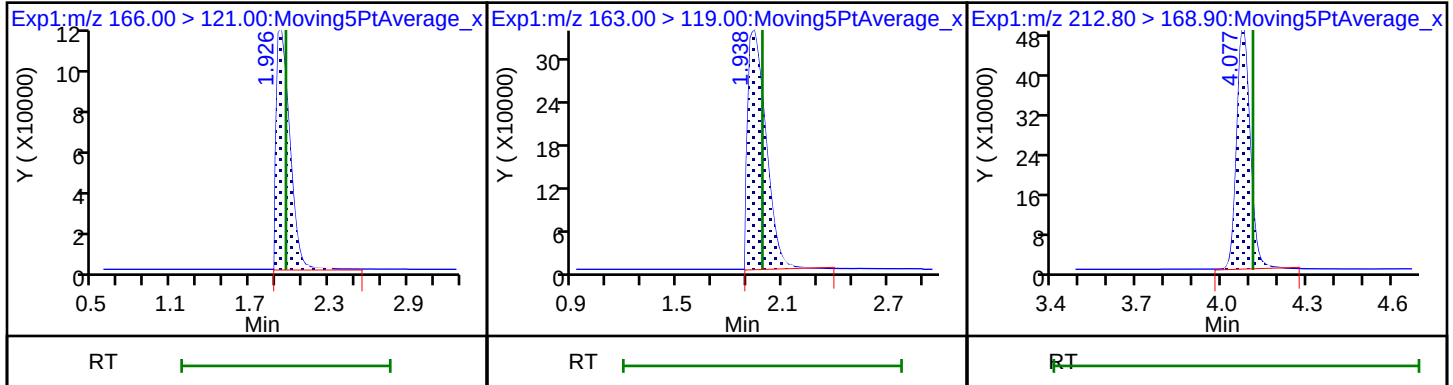
Method: 30570-1633-125ml

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid

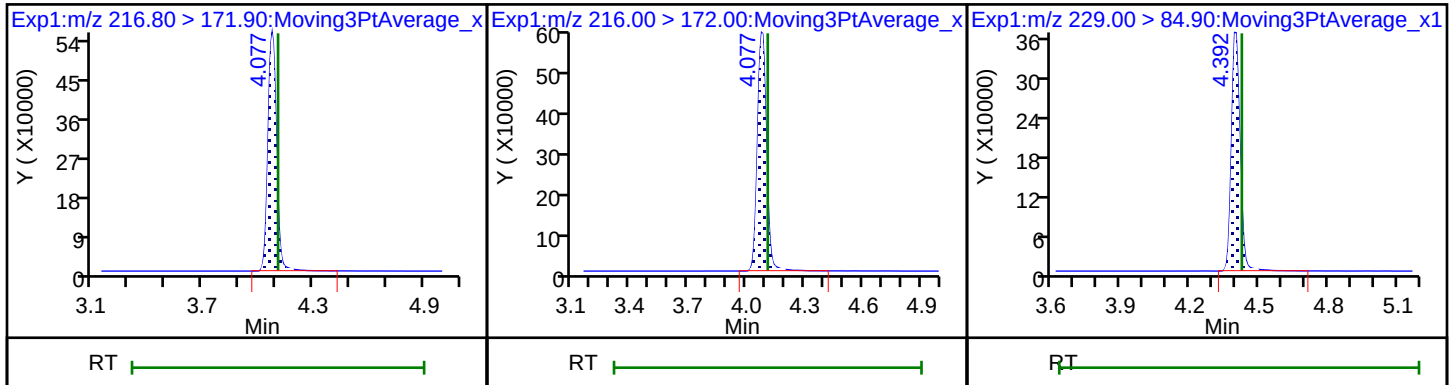
5 PFBA



D 3 13C4-PFBA

* 4 13C3PFBA

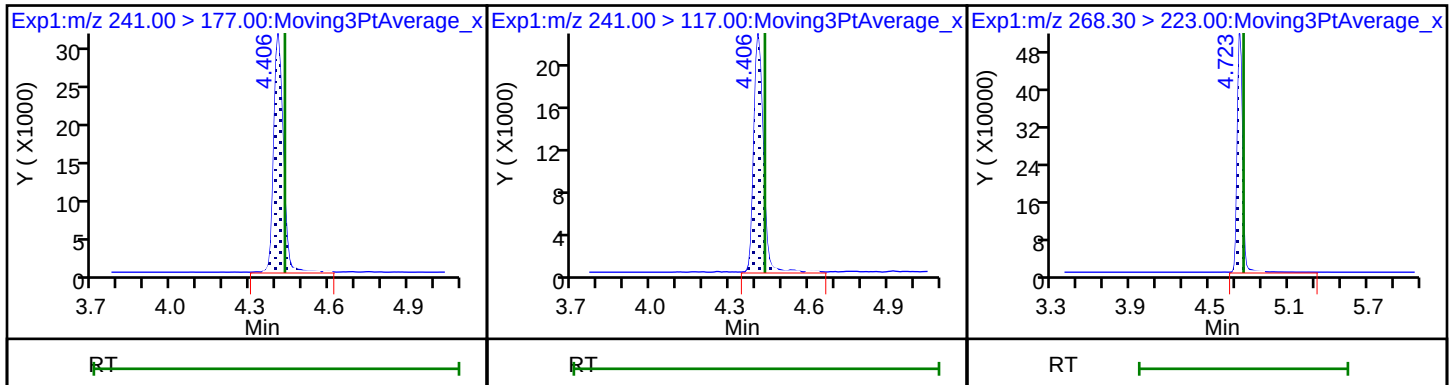
6 PFMPA



7 3:3 FTCA

7 3:3 FTCA

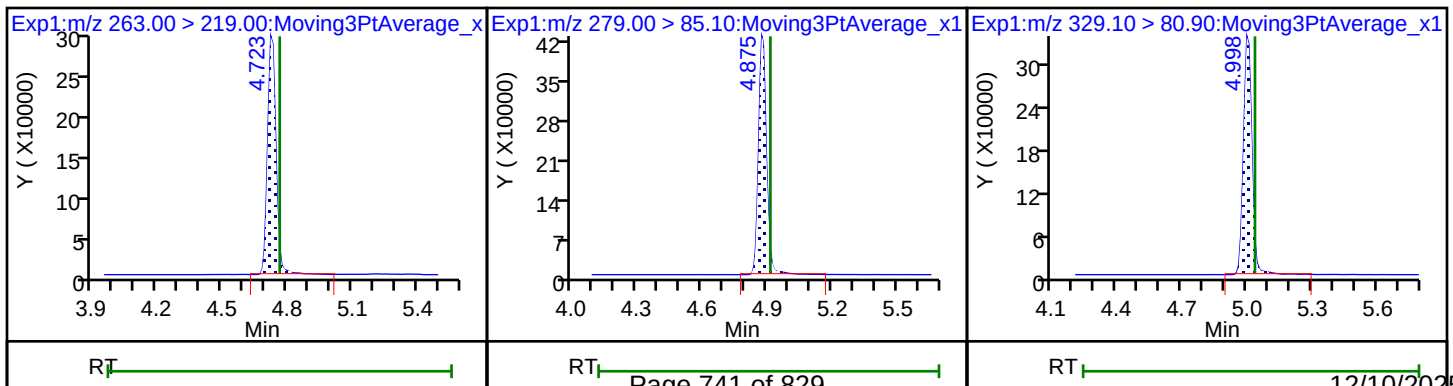
D 8 13C5 PFPeA

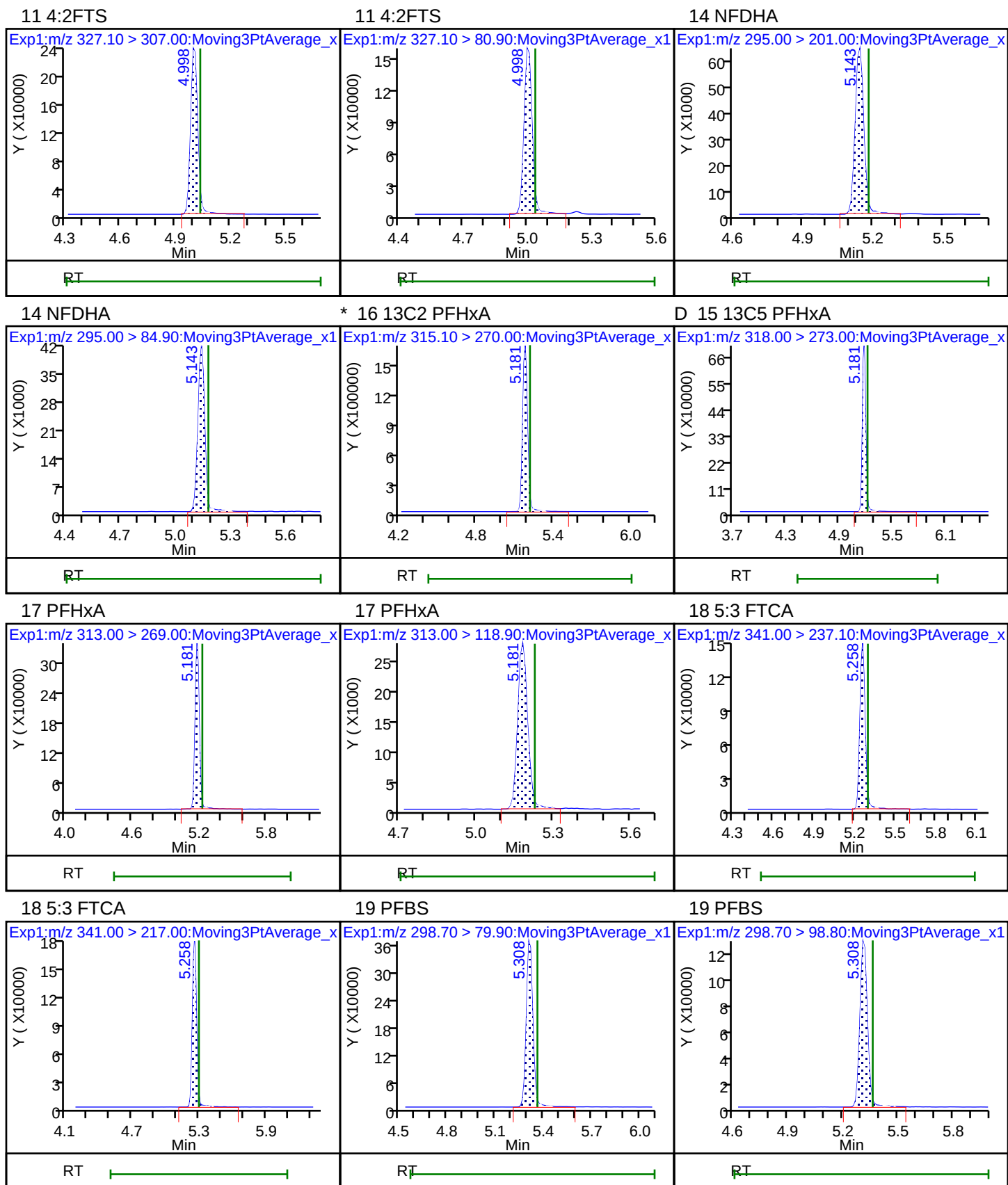


9 PFPA

10 PFMBA

D 13 13C2-4:2FTS

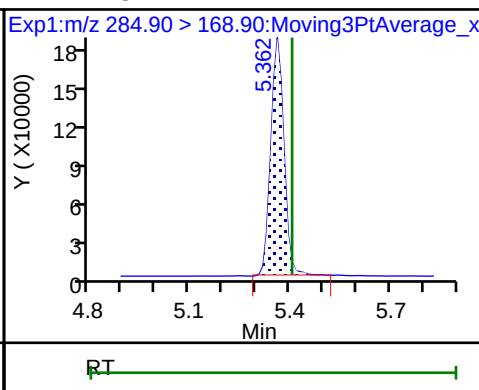
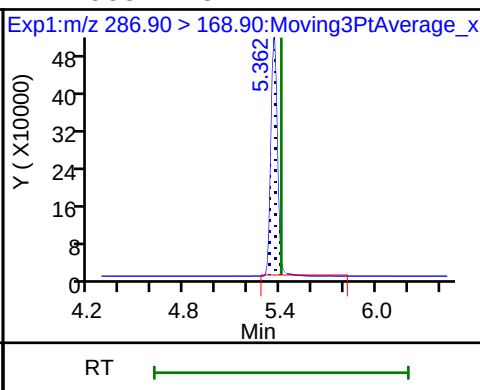
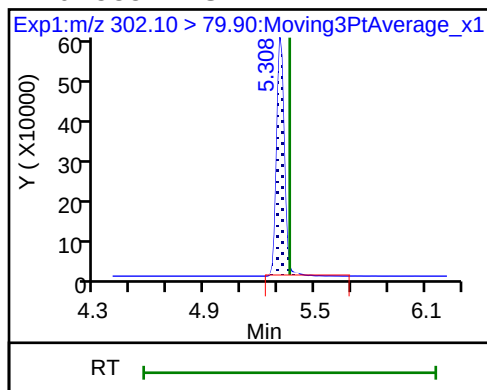




D 20 13C3 PFBS

D 22 13C3 HFPO-DA

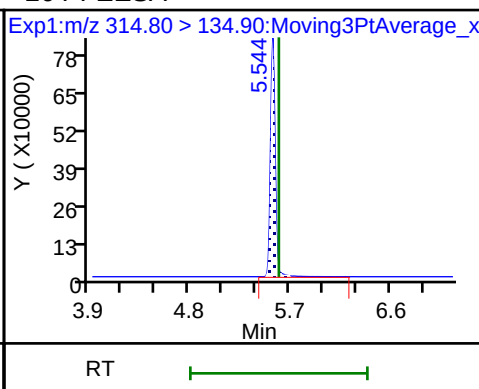
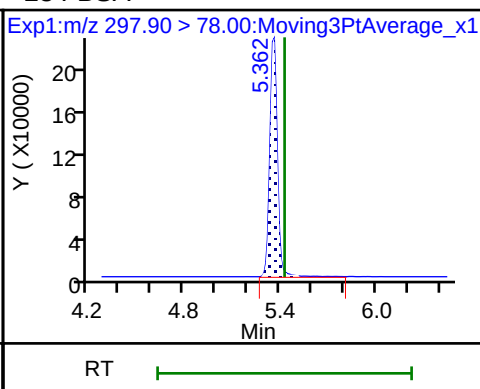
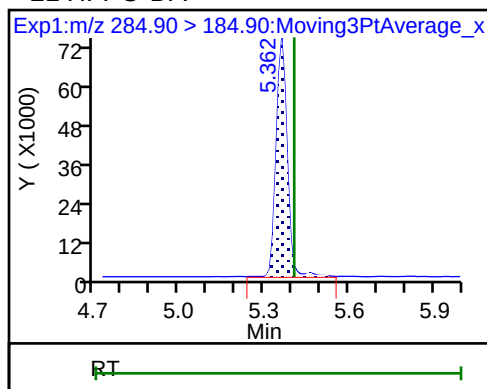
21 HFPO-DA



21 HFPO-DA

23 FBSA

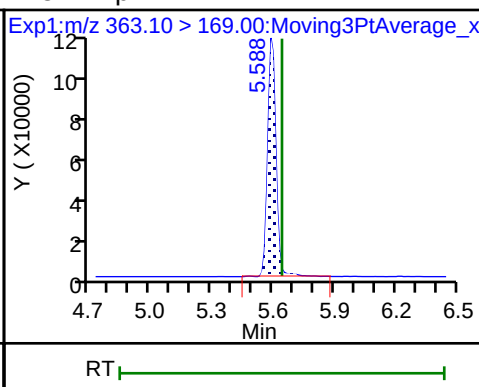
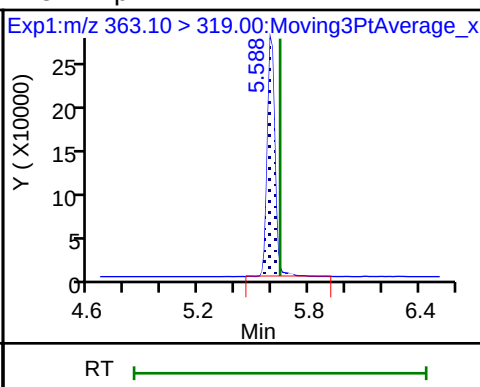
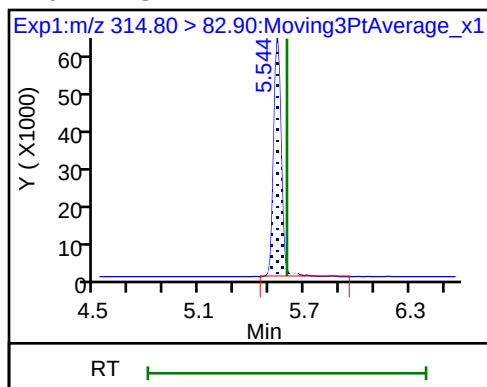
26 PFEESA



26 PFEESA

28 PFHpA

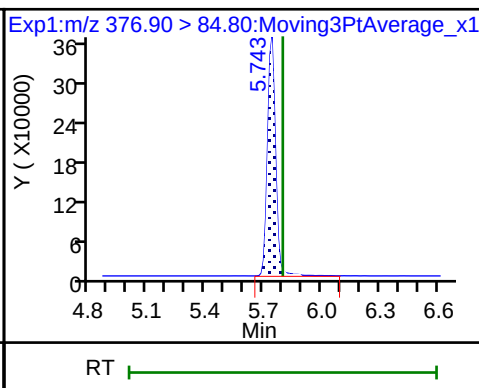
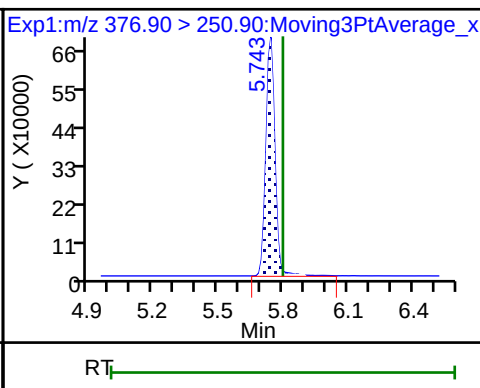
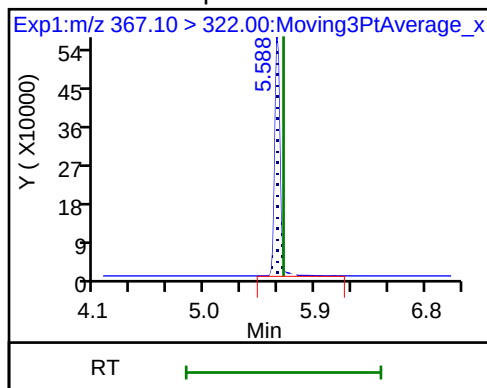
28 PFHpA

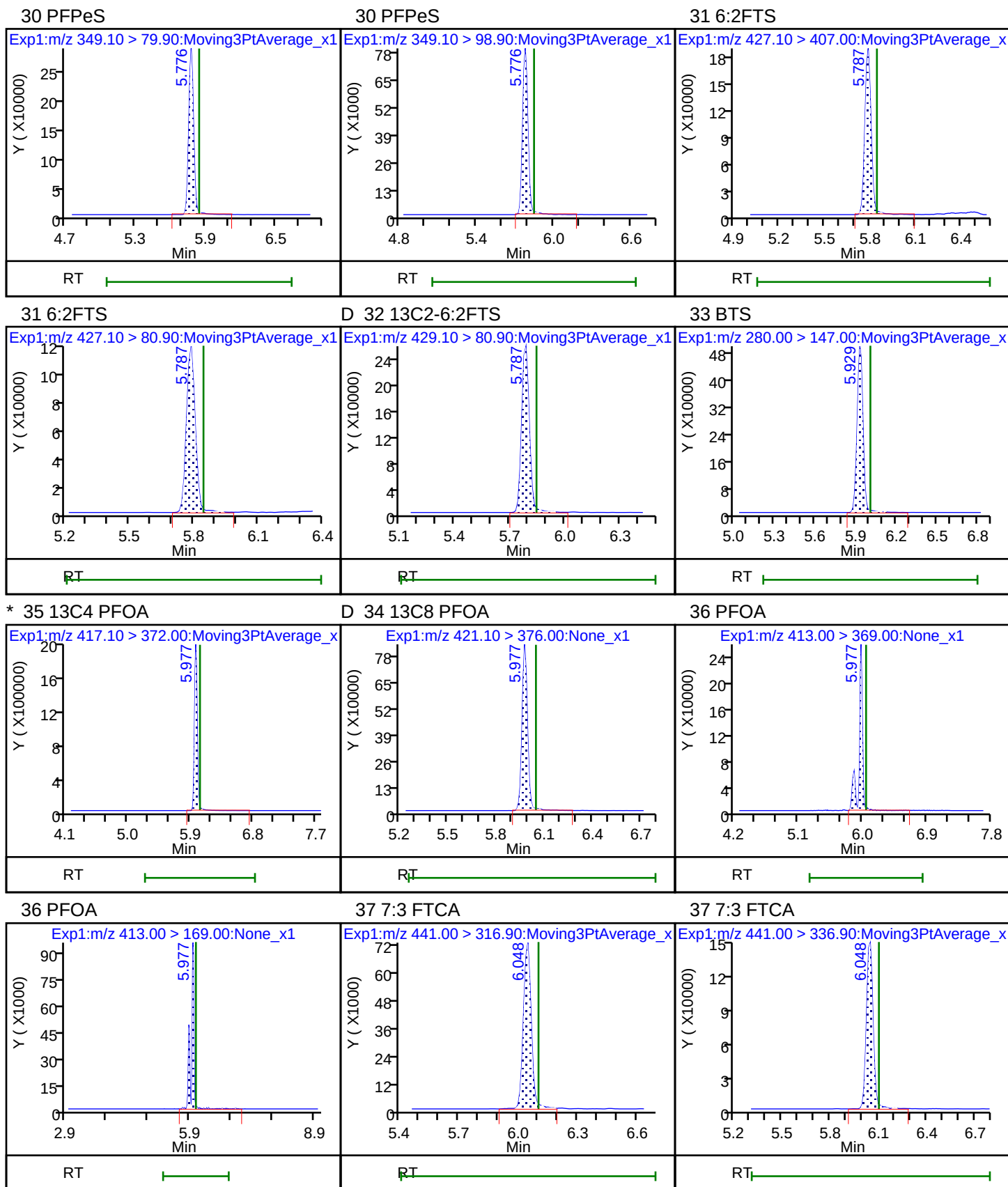


D 27 13C4 PFHpA

29 ADONA

29 ADONA

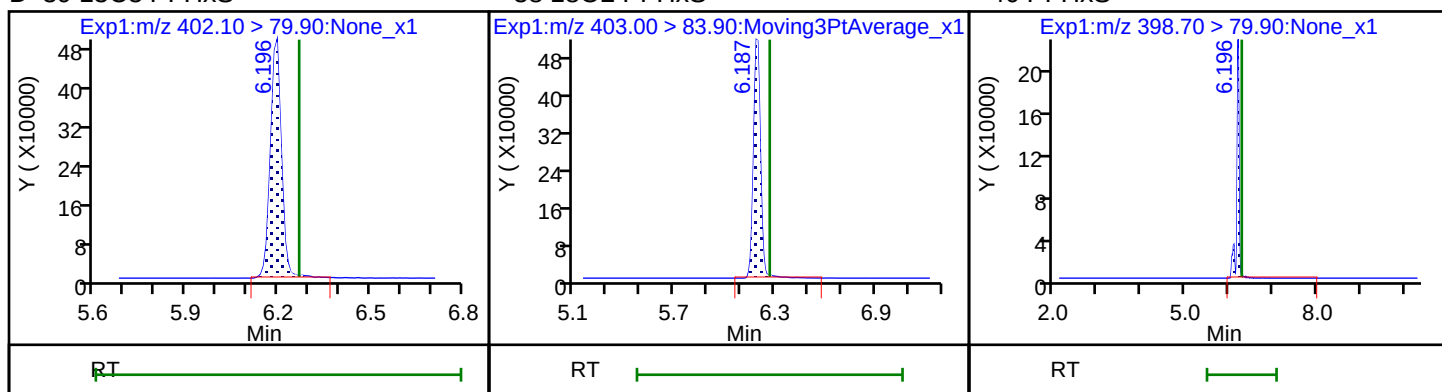




D 39 13C3 PFHxS

* 38 18O2 PFHxS

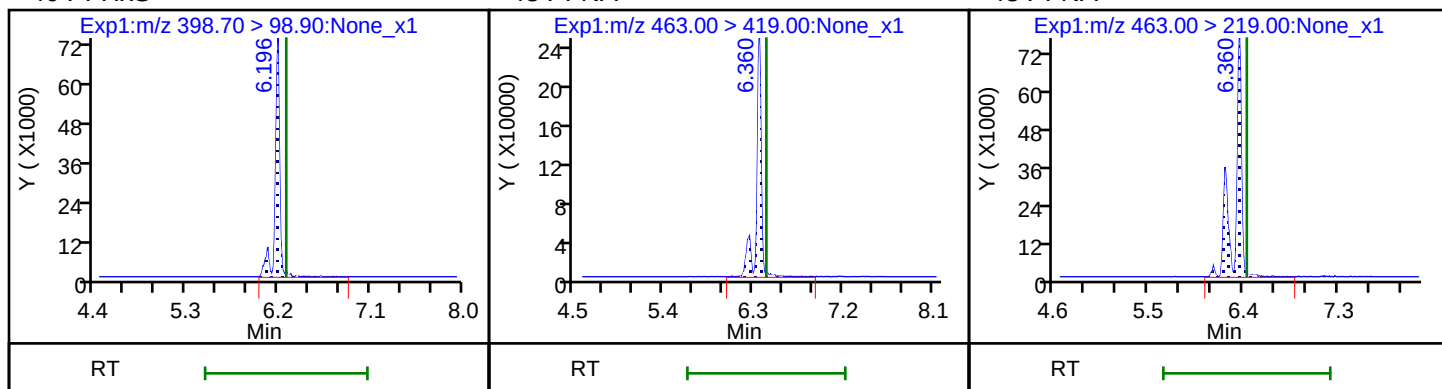
40 PFHxS



40 PFHxS

43 PFNA

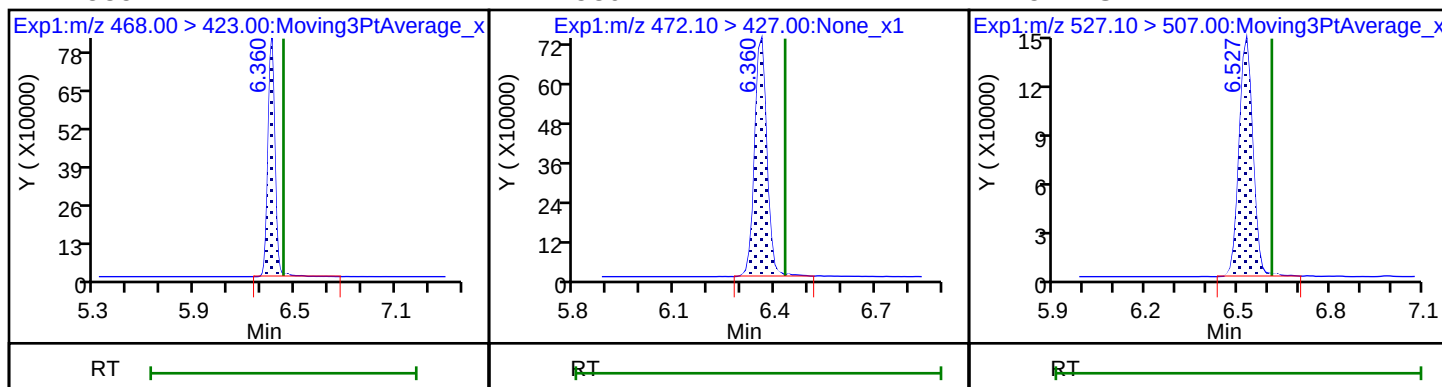
43 PFNA



* 41 13C5 PFNA

D 42 13C9 PFNA

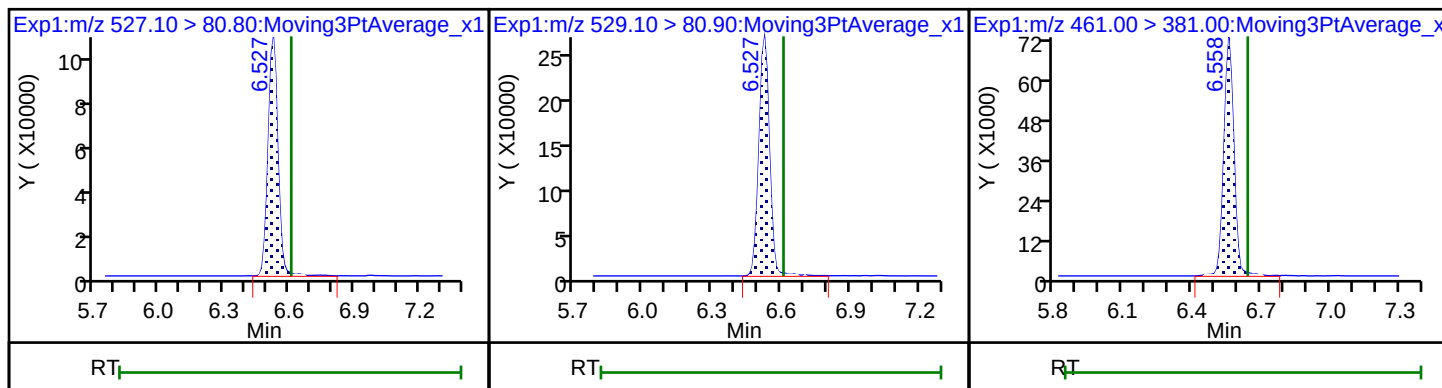
44 8:2FTS

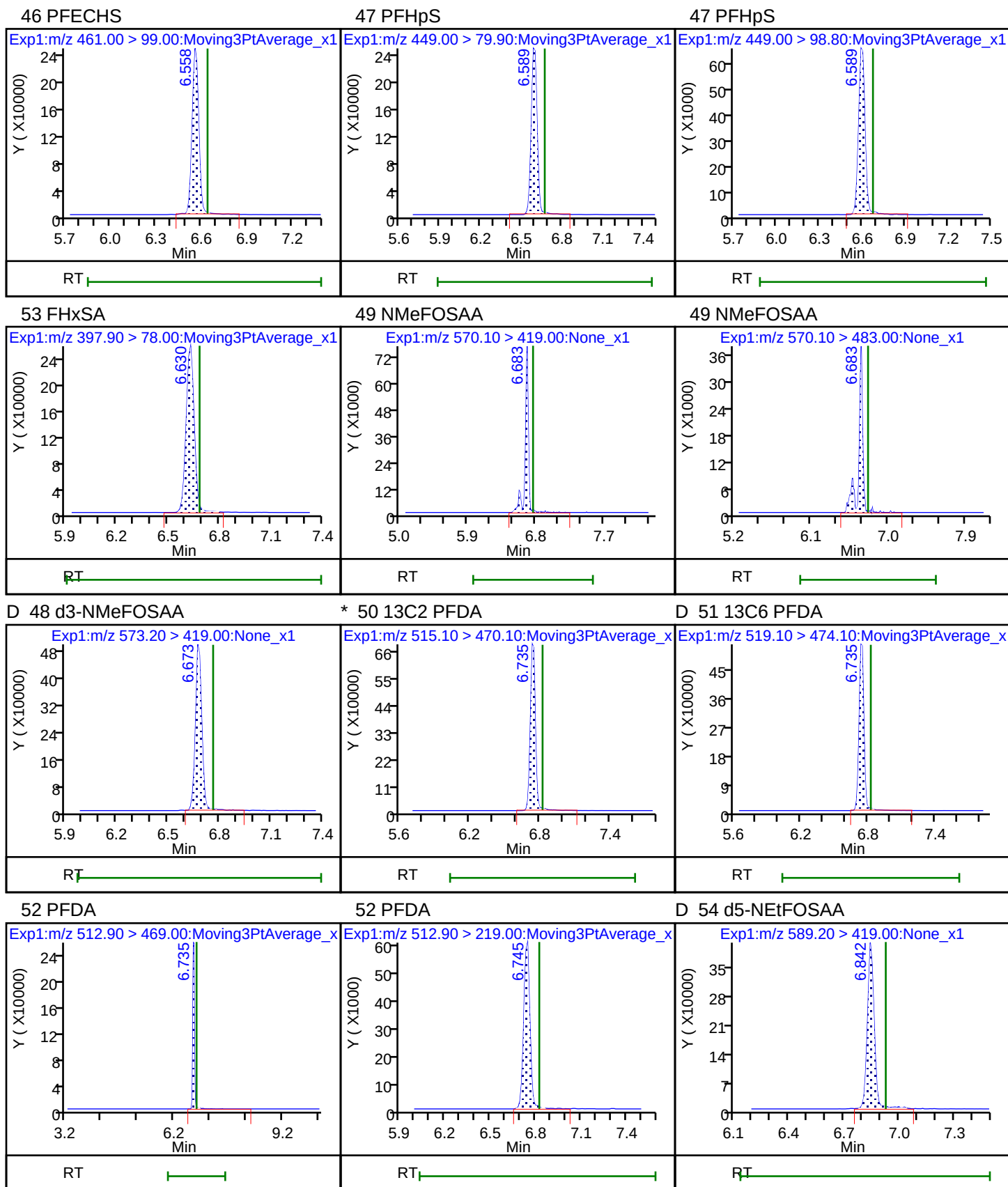


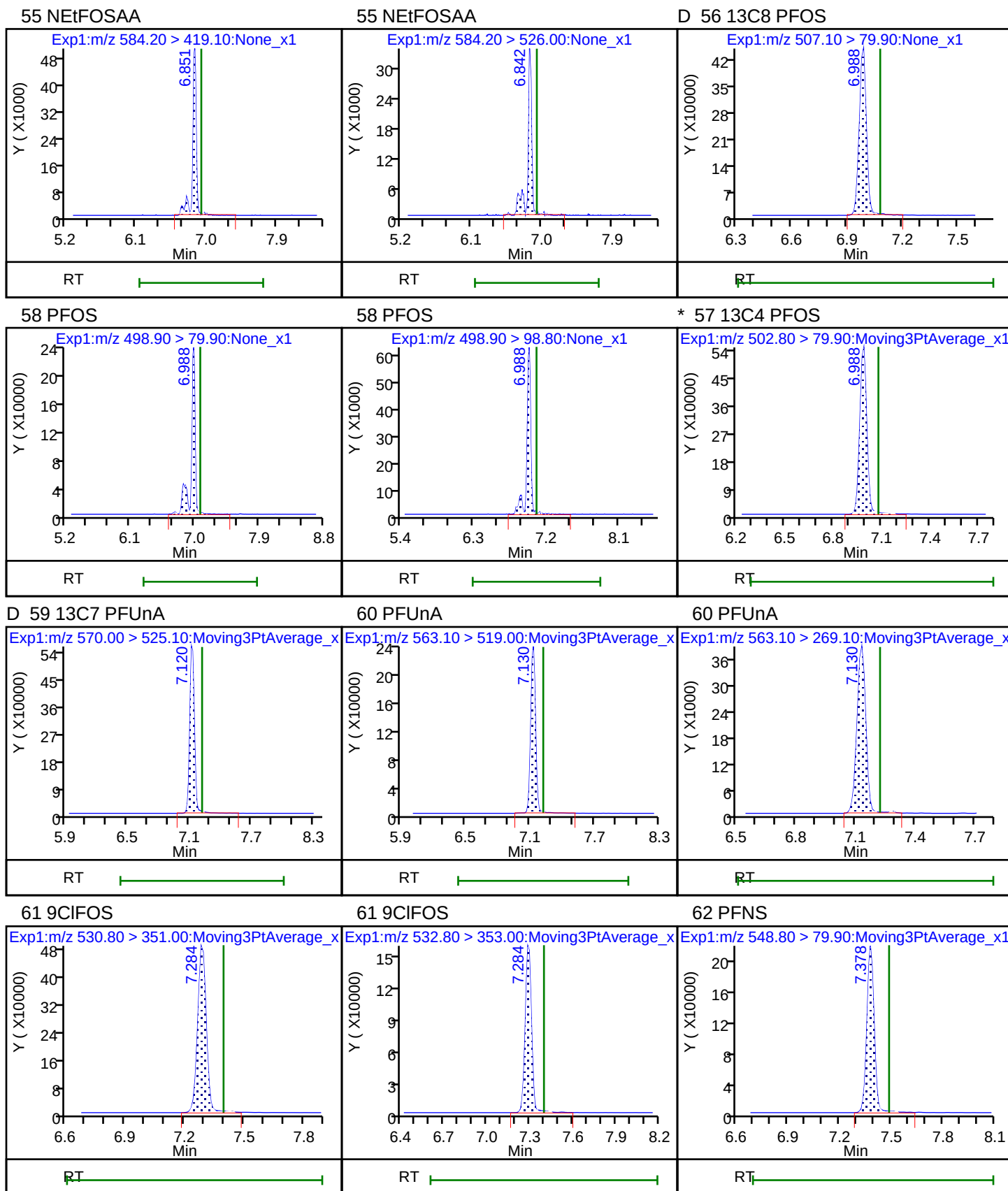
44 8:2FTS

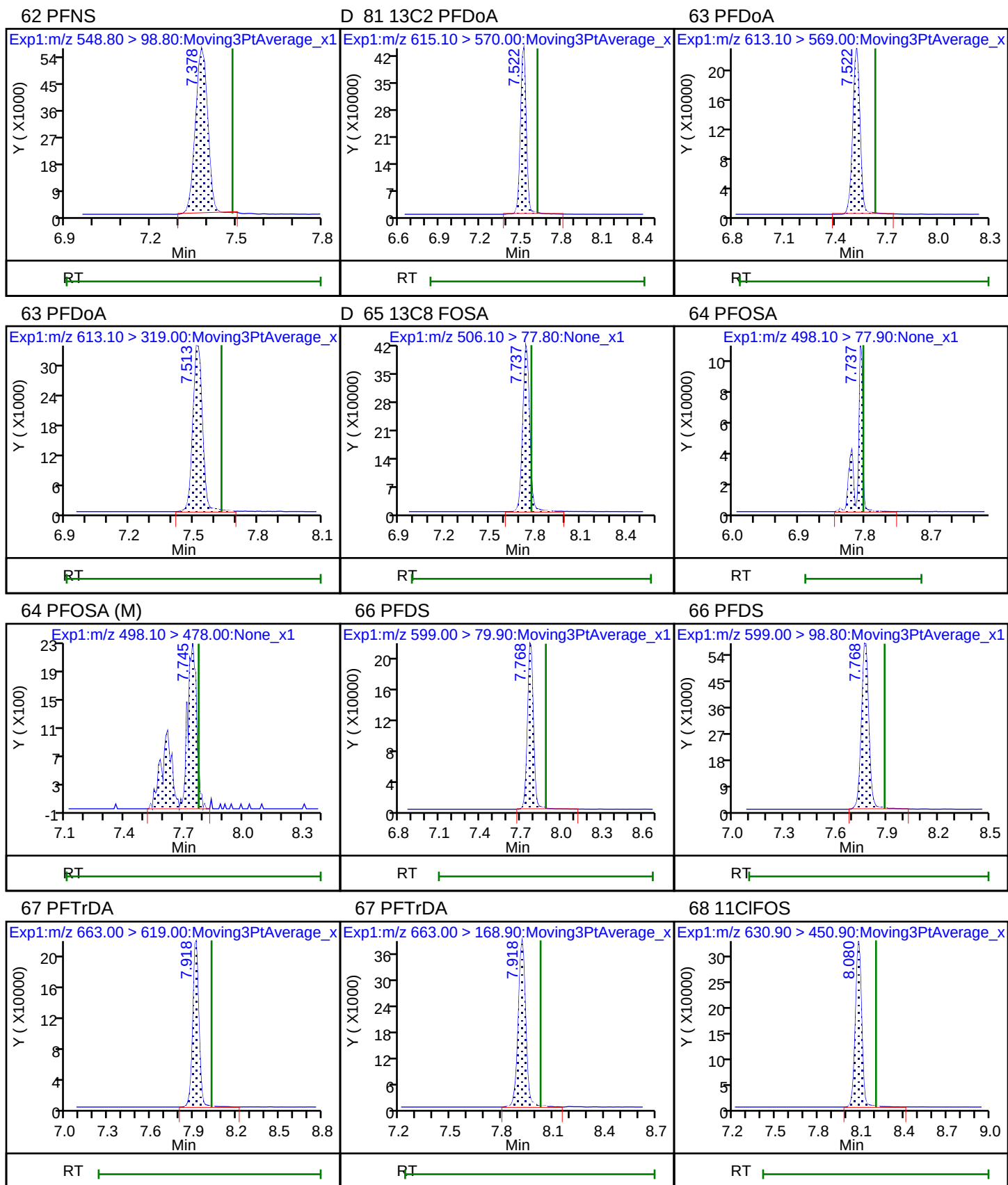
D 45 13C2-8:2FTS

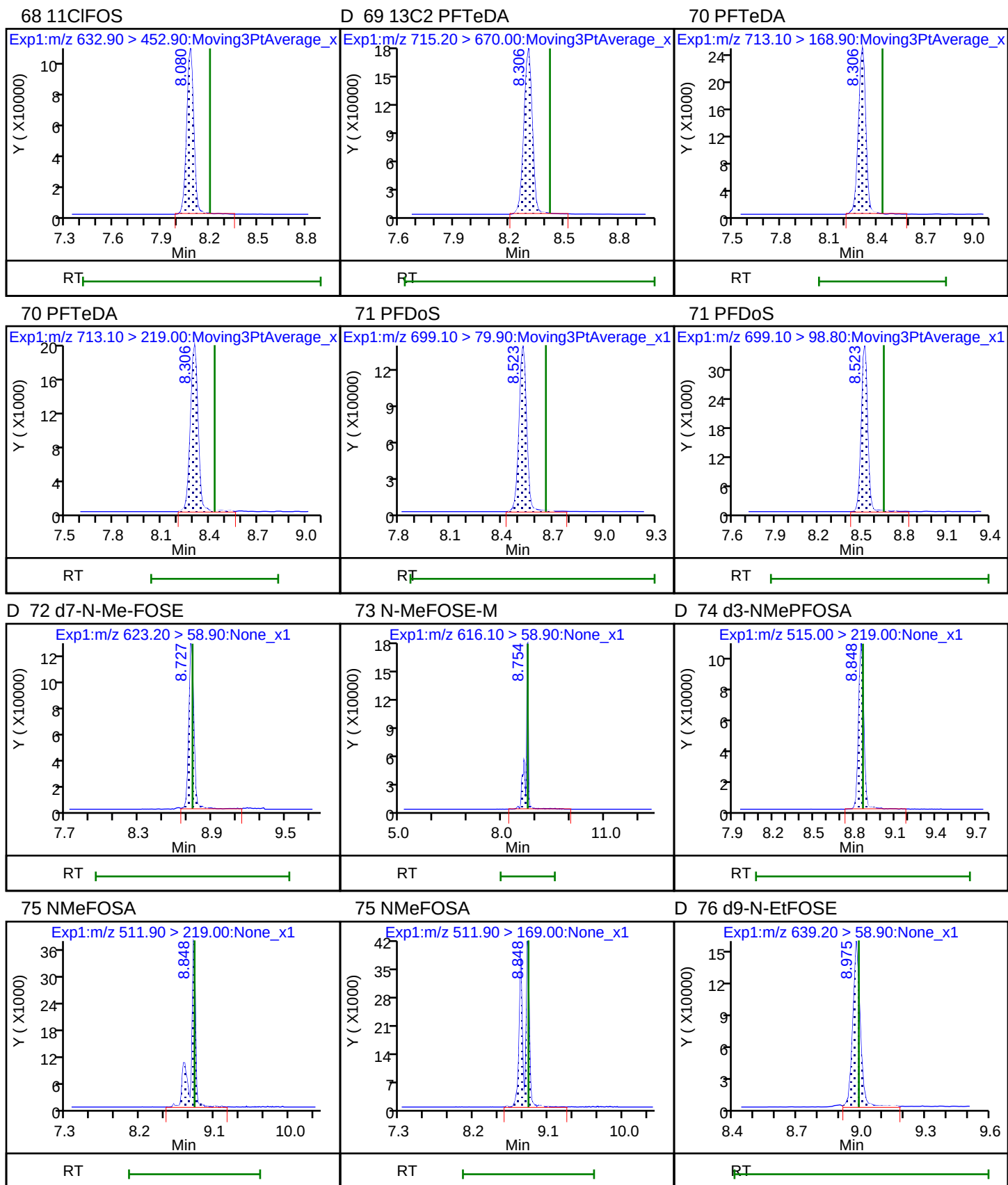
46 PFECHS

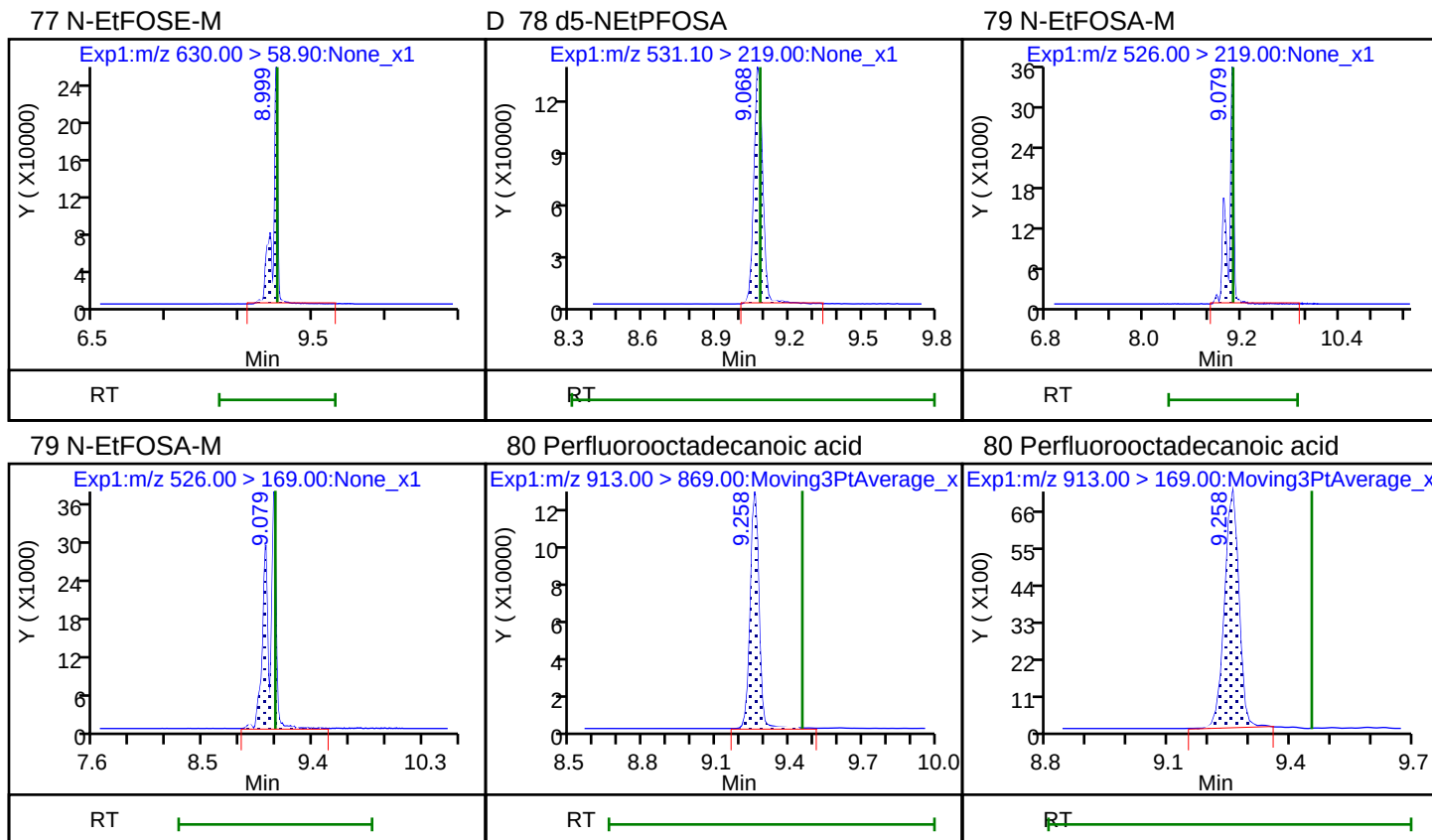












Eurofins Lancaster Laboratories Environment Testing, LLC

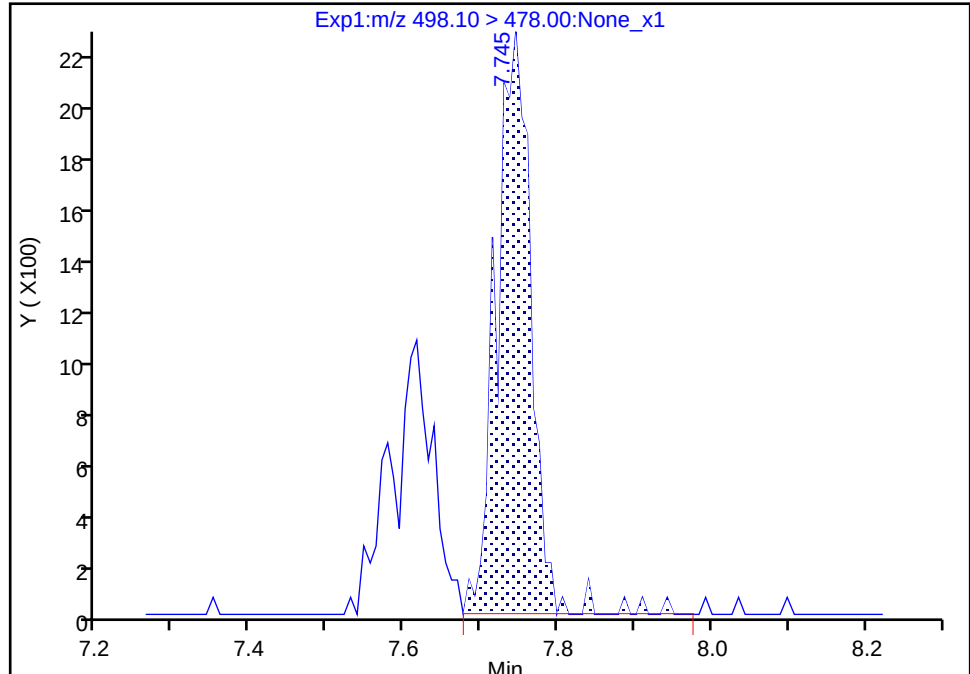
Data File: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\25DEC01E-14.d
Injection Date: 01-Dec-2025 18:56:41 Instrument ID: 30570
Lims ID: LCS 410-736383/8-A
Client ID:
Operator ID: ETUS023_USR_INS00003 ALS Bottle#: 22 Worklist Smp#: 38
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Method: 30570-1633-125ml Limit Group: LC - 1633 LVI- ICAL
Column: Detector EXP1

64 PFOSA, CAS: 754-91-6

Signal: 2

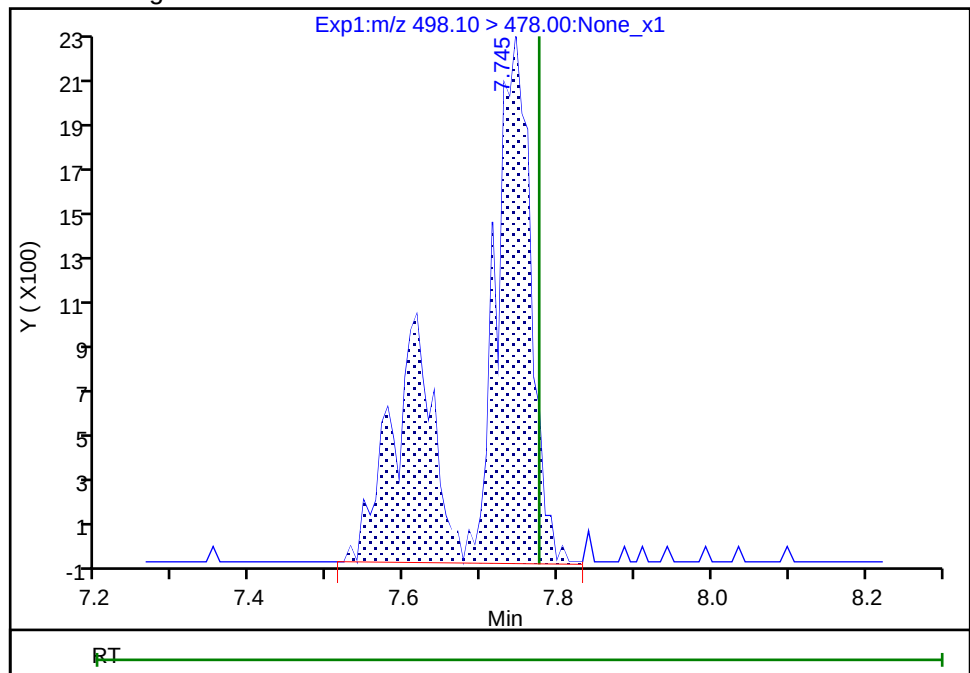
RT: 7.75
Area: 6945
Amount: 0.933928
Amount Units: ng/ml

Processing Integration Results



RT: 7.75
Area: 10755
Amount: 0.933928
Amount Units: ng/ml

Manual Integration Results



Reviewer: MC7V, 02-Dec-2025 07:23:48 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Missed Peak

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCS 410-737578/11-A

Matrix: Water

Lab File ID: 25DEC04JO-17.d

Analysis Method: 1633

Date Collected:

Extraction Method: 1633

Date Extracted: 12/02/2025 09:22

Sample wt/vol: 125 (mL)

Date Analyzed: 12/04/2025 22:11

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.: 739075

Units: ng/L

Preparation Batch No.: 737578

Instrument ID: 30577

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	75.3		4.0	1.1
2706-90-3	Perfluoropentanoic acid	36.6		2.0	0.60
307-24-4	Perfluorohexanoic acid	37.2		2.0	0.50
375-85-9	Perfluoroheptanoic acid	39.7		2.0	0.80
335-67-1	Perfluorooctanoic acid	36.3		2.0	0.90
375-95-1	Perfluorononanoic acid	35.8		2.0	0.50
335-76-2	Perfluorodecanoic acid	34.0		2.0	0.50
2058-94-8	Perfluoroundecanoic acid	36.4		2.0	0.50
307-55-1	Perfluorododecanoic acid	32.4		2.0	0.50
72629-94-8	Perfluorotridecanoic acid	34.1		2.0	0.50
376-06-7	Perfluorotetradecanoic acid	39.3		2.0	0.50
375-73-5	Perfluorobutanesulfonic acid	32.2		2.0	0.50
2706-91-4	Perfluoropentanesulfonic acid	36.4		2.0	0.50
355-46-4	Perfluorohexanesulfonic acid	33.6		2.0	0.80
375-92-8	Perfluoroheptanesulfonic acid	36.5		2.0	0.50
1763-23-1	Perfluorooctanesulfonic acid	32.0		2.0	1.3
68259-12-1	Perfluorononanesulfonic acid	35.3		2.0	0.50
335-77-3	Perfluorodecanesulfonic acid	32.3		2.0	0.50
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	24.5		2.0	0.60
757124-72-4	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	64.5		4.0	1.0
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	74.9		4.0	1.0
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	68.6		4.0	1.0
754-91-6	Perfluorooctanesulfonamide	34.8		2.0	0.50
31506-32-8	NMeFOSA	38.9		2.0	0.50
4151-50-2	N-ethylperfluoro-1-octanesulfonamide	37.8		2.0	0.50
2355-31-9	NMeFOSAA	34.3		2.0	0.50
2991-50-6	NEtFOSAA	34.9		2.0	0.50

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-254628-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 410-737578/11-A

Matrix: Water Lab File ID: 25DEC04JO-17.d

Analysis Method: 1633 Date Collected: _____

Extraction Method: 1633 Date Extracted: 12/02/2025 09:22

Sample wt/vol: 125(mL) Date Analyzed: 12/04/2025 22:11

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.: 739075 Units: ng/L

Preparation Batch No.: 737578 Instrument ID: 30577

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
24448-09-7	2-(N-methylperfluoro-1-octanesulfonamido) ethanol	176		10	2.5
1691-99-2	2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	185		10	4.0
13252-13-6	HFPO-DA	27.5		2.0	1.4
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	34.0		2.0	0.50
377-73-1	Perfluoro-3-methoxypropanoic acid	38.0		2.0	0.50
863090-89-5	Perfluoro(4-methoxybutanoic acid)	34.6		2.0	0.50
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid	34.1		2.0	0.50
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	34.1		2.0	0.50
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	31.3		2.0	0.50
113507-82-7	PFEESA	33.8		2.0	0.50
356-02-5	3:3 FTCA	71.1		4.0	1.0
914637-49-3	5:3 FTCA	162		10	2.8
812-70-4	7:3 FTCA	159		10	2.5

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCS 410-737578/11-A

Matrix: Water

Lab File ID: 25DEC04JO-17.d

Analysis Method: 1633

Date Collected:

Extraction Method: 1633

Date Extracted: 12/02/2025 09:22

Sample wt/vol: 125 (mL)

Date Analyzed: 12/04/2025 22:11

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.: 739075

Units: ng/L

Preparation Batch No.: 737578

Instrument ID: 30577

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	84.8		5-130
STL01893	13C5 PFPeA	95.7		40-130
STL02577	13C5 PFHxA	93.1		40-130
STL01892	13C4 PFHpA	89.4		40-130
STL01052	13C8 PFOA	89.7		40-130
STL02578	13C9 PFNA	82.9		40-130
STL02579	13C6 PFDA	79.1		40-130
STL02580	13C7 PFUnA	81.1		30-130
STL02116	13C2 PFTeDA	59.1		10-130
STL02337	13C3 PFBS	80.2		40-135
STL02581	13C3 PFHxS	82.3		40-130
STL01054	13C8 PFOS	85.1		40-130
STL01056	13C8 FOSA	82.5		40-130
STL02118	d3-NMeFOSAA	86.8		40-170
STL02117	d5-NEtFOSAA	85.3		25-135
STL02395	M2-4:2 FTS	94.3		40-200
STL02279	M2-6:2 FTS	84.4		40-200
STL02280	M2-8:2 FTS	81.5		40-300
STL02255	13C3 HFPO-DA	94.9		40-130
STL02277	d7-N-MeFOSE-M	62.3		10-130
STL02278	d9-N-EtFOSE-M	54.8		10-130
STL02704	d5-NEtPFOSA	62.3		10-130
STL02705	d3-NMePFOSA	65.9		10-130
960315-52-0	13C2 PFDoA	75.8		10-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30577\20251204-168875.b\25DEC04JO-17.d
 Lims ID: LCS 410-737578/11-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 04-Dec-2025 22:11:13 ALS Bottle#: 27 Worklist Smp#: 21
 Injection Vol: 7.0 ul Dil. Factor: 1.0000
 Sample Info: LCS 410-737578/11-A
 Misc. Info.: Plate: 1 Rack: 1 410-0168875-021
 Operator ID: ETUS023_USR_INS00009 Instrument ID: 30577
 Method: \\chromfs\Lancaster\ChromData\30577\20251204-168875.b\30577-1633-125.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 04-Dec-2025 21:36:42 Calib Date: 03-Dec-2025 17:33:28
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\25DEC03CAL-08.d
 Column 1 : Det: EXP1
 Process Host: CTX1687

First Level Reviewer: XBL5

Date: 04-Dec-2025 23:33:42

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	1.989	2.039	-0.050	0.480	1168382	1.71		85.3	1459	
2 Perfluoropropionic acid										
163.00 > 119.00	1.989	2.056	-0.067	1.000	3065677	5.49		110	8203	
3 PFBA										
212.80 > 168.90	4.138	4.132	0.006	0.998	1539354	1.88		94.2	11564	
D 4 13C4-PFBA										
216.80 > 171.90	4.144	4.132	0.012	1.000	1762227	1.70		84.8	10250	
* 5 13C3PFBA										
216.00 > 172.00	4.144	4.138	0.006		1980254	2.00			4896	
6 PFMPA										
229.00 > 84.90	4.491	4.475	0.016	0.932	786400	0.9492		94.9	3361	
7 3:3 FTCA										
241.00 > 177.00	4.507	4.499	0.008	0.936	68020	1.78	Target=1.11	88.9	1172	
241.00 > 117.00	4.507	4.499	0.008	0.936	62528		1.09(0.56-1.67)		420	
9 PFPA										
263.00 > 219.00	4.824	4.817	0.007	1.002	965585	0.9138		91.4	880	
D 8 13C5 PFPeA										
268.30 > 223.00	4.817	4.817	0.0	0.912	1045645	1.91		95.7	4158	
10 PFMBA										
279.00 > 85.10	4.971	4.963	0.008	1.032	936763	0.8656		86.6	3478	
12 4:2FTS										
327.10 > 307.00	5.095	5.085	0.010	1.000	727102	1.61	Target=1.70	85.9	3878	
327.10 > 80.90	5.095	5.085	0.010	1.000	453107		1.60(0.85-2.55)		546	
D 11 13C2-4:2FTS										
329.10 > 80.90	5.095	5.085	0.010	0.807	1144454	4.42		94.3	6696	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.240	5.229	0.011	0.993	265473	0.8535	Target=1.56	85.3	1328	
295.00 > 84.90	5.240	5.229	0.011	0.993	177670		1.49(0.78-2.34)		1067	
D 15 13C5 PFHxA										
318.00 > 273.00	5.279	5.270	0.009	1.000	2122834	1.86		93.1	5347	
* 16 13C2 PFHxA										
315.10 > 270.00	5.279	5.270	0.009		5051372	5.00			8024	
17 PFHxA										
313.00 > 269.00	5.279	5.270	0.009	1.000	820885	0.9312	Target=10.34	93.1	2651	
313.00 > 118.90	5.279	5.270	0.009	1.000	85649		9.58(5.17-15.52)		1004	
18 5:3 FTCA										
341.00 > 237.10	5.369	5.358	0.011	1.017	440165	4.06	Target=0.69	81.2	1295	
341.00 > 217.00	5.369	5.358	0.011	1.017	625715		0.70(0.35-1.04)		666	
D 19 13C3 PFBS										
302.10 > 79.90	5.400	5.400	0.0	0.855	2091098	1.49		80.2	6718	
20 PFBS										
298.70 > 79.90	5.410	5.400	0.010	1.002	934594	0.8059	Target=2.94	90.8	2980	
298.70 > 98.80	5.400	5.400	0.0	1.000	380725		2.45(1.47-4.41)		2214	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.465	5.454	0.011	1.035	1649059	1.90		94.9	6548	
23 HFPO-DA										
284.90 > 168.90	5.465	5.454	0.011	1.000	587814	0.6884	Target=2.33	91.8	1973	
284.90 > 184.90	5.465	5.454	0.011	1.000	253717		2.32(1.16-3.49)		1779	
21 FBSA										
297.90 > 78.00	5.476	5.487	-0.011	1.014	697201	0.8776		87.8	2832	
26 PFEESA										
314.80 > 134.90	5.640	5.640	0.0	1.068	2662899	0.8451	Target=13.08	94.7	5870	
314.80 > 82.90	5.640	5.640	0.0	1.068	201077		13.24(6.54-19.62)		1018	
D 28 13C4 PFHpA										
367.10 > 322.00	5.696	5.684	0.012	1.079	2142586	1.79		89.4	4812	
27 PFHpA										
363.10 > 319.00	5.696	5.684	0.012	1.000	792574	0.99	Target=1.78	99.3	1656	
363.10 > 169.00	5.696	5.684	0.012	1.000	438260		1.81(0.89-2.67)		1646	
29 ADONA										
376.90 > 250.90	5.854	5.842	0.012	1.071	2338733	0.8489	Target=2.07	89.7	4583	
376.90 > 84.80	5.854	5.842	0.012	1.071	1094427		2.14(1.04-3.11)		2825	
30 PFPeS										
349.10 > 79.90	5.876	5.876	0.0	0.930	1004081	0.9110	Target=3.11	96.9	4600	
349.10 > 98.90	5.876	5.876	0.0	0.930	325865		3.08(1.56-4.67)		1221	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.898	5.887	0.011	0.934	903896	4.02		84.4	3744	
31 6:2FTS										
427.10 > 407.00	5.898	5.887	0.011	1.000	646235	1.87	Target=1.69	98.3	183	
427.10 > 80.90	5.898	5.887	0.011	1.000	391847		1.65(0.85-2.54)		191	
33 BTS										
280.00 > 147.00	6.035	6.024	0.011	0.956	2421195	0.9499		97.0	5838	
* 34 13C4 PFOA										
417.10 > 372.00	6.103	6.093	0.010		8017238	5.00			5695	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 35 13C8 PFOA										
421.10 > 376.00	6.103	6.093	0.010	1.000	2953344	1.79		89.7	7587	
36 PFOA										
413.00 > 369.00	6.103	6.093	0.010	1.000	771092	0.9076	Target=1.59	90.8	804	
413.00 > 169.00	6.103	6.093	0.010	1.000	461933		1.67(0.80-2.39)		764	
37 7:3 FTCA										
441.00 > 316.90	6.195	6.204	-0.009	1.173	215998	3.99	Target=0.30	79.7	669	
441.00 > 336.90	6.195	6.204	-0.009	1.173	791939		0.27(0.15-0.45)		2200	
D 38 13C3 PFHxS										
402.10 > 79.90	6.316	6.306	0.010	1.000	1776718	1.56		82.3	4473	
40 PFHxS										
398.70 > 79.90	6.316	6.315	0.001	1.000	790231	0.8400	Target=3.25	92.1	1427	
398.70 > 98.90	6.316	6.315	0.001	1.000	249776		3.16(1.63-4.88)		407	
* 39 18O2 PFHxS										
403.00 > 83.90	6.316	6.315	0.001		2156236	1.90			8672	
* 42 13C5 PFNA										
468.00 > 423.00	6.499	6.488	0.011		2920444	2.00			6130	
D 41 13C9 PFNA										
472.10 > 427.00	6.499	6.488	0.011	1.000	2370832	1.66		82.9	4491	
43 PFNA										
463.00 > 419.00	6.499	6.499	0.0	1.000	863273	0.8959	Target=1.99	89.6	1077	
463.00 > 219.00	6.499	6.499	0.0	1.000	436139		1.98(1.00-2.99)		408	
D 44 13C2-8:2FTS										
529.10 > 80.90	6.676	6.676	0.0	1.057	822409	3.91		81.5	2582	
45 8:2FTS										
527.10 > 507.00	6.676	6.676	0.0	1.000	504100	1.72	Target=1.75	89.4	2176	
527.10 > 80.80	6.676	6.676	0.0	1.000	279876		1.80(0.88-2.63)		1127	
46 PFECHS										
461.00 > 381.00	6.706	6.705	0.001	1.062	194426	0.8575	Target=0.21	92.8	997	
461.00 > 99.00	6.706	6.705	0.001	1.062	992910		0.20(0.10-0.31)		3842	
47 PFHpS										
449.00 > 79.90	6.736	6.735	0.001	0.942	949338	0.9121	Target=3.35	95.6	4016	
449.00 > 98.80	6.746	6.735	0.011	0.944	279854		3.39(1.68-5.03)		1954	
D 49 d3-NMeFOSAA										
573.20 > 419.00	6.844	6.843	0.001	0.956	1643069	4.34		86.8	2841	
50 NMeFOSAA										
570.10 > 419.00	6.844	6.843	0.001	1.000	288621	0.8575	Target=1.72	85.7	111	
570.10 > 483.00	6.853	6.843	0.010	1.001	166018		1.74(0.86-2.58)		225	
48 FHxSA										
397.90 > 78.00	6.891	6.890	0.001	1.091	1005416	0.8627		86.3	3112	
D 52 13C6 PFDA										
519.10 > 474.10	6.899	6.899	0.0	1.000	2379531	1.58		79.1	4671	
* 51 13C2 PFDA										
515.10 > 470.10	6.899	6.899	0.0		2950032	2.00			10763	
53 PFDA										
512.90 > 469.00	6.907	6.899	0.008	1.001	609635	0.8508	Target=2.79	85.1	1520	
512.90 > 219.00	6.899	6.899	0.0	1.000	243342		2.51(1.39-4.18)		1184	

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	7.026	7.016	0.010	0.982	1427909	4.27		85.3	4659	
55 NEtFOSAA										
584.20 > 419.10	7.026	7.025	0.001	1.000	208812	0.8719	Target=1.36	87.2	436	
584.20 > 526.00	7.035	7.025	0.010	1.001	151962		1.37(0.68-2.04)		199	
D 56 13C8 PFOS										
507.10 > 79.90	7.148	7.148	0.0	0.999	1482027	1.63		85.1	1934	
58 PFOS										
498.90 > 79.90	7.157	7.148	0.009	1.001	930997	0.8009	Target=4.13	86.1	1832	
498.90 > 98.80	7.148	7.148	0.0	1.000	234776		3.97(2.07-6.20)		403	
* 57 13C4 PFOS										
502.80 > 79.90	7.157	7.148	0.009		1735870	1.92			5585	
D 59 13C7 PFUnA										
570.00 > 525.10	7.301	7.301	0.0	1.058	2666034	1.62		81.1	7134	
60 PFUnA										
563.10 > 519.00	7.301	7.301	0.0	1.000	964264	0.9111	Target=6.23	91.1	4375	
563.10 > 269.10	7.301	7.301	0.0	1.000	170416		5.66(3.12-9.35)		790	
61 9ClFOS										
530.80 > 351.00	7.462	7.462	0.0	1.044	1957571	0.8530	Target=3.01	91.3	6508	
532.80 > 353.00	7.462	7.462	0.0	1.044	631221		3.10(1.50-4.51)		2314	
62 PFNS										
548.80 > 79.90	7.564	7.554	0.010	1.058	694186	0.8822	Target=3.21	91.7	4279	
548.80 > 98.80	7.554	7.554	0.0	1.057	205463		3.38(1.61-4.82)		2008	
63 PFDoA										
613.10 > 569.00	7.706	7.697	0.009		680006	0.8110	Target=4.51	81.1	2505	
613.10 > 319.00	7.706	7.697	0.009		144367		4.71(2.25-6.76)		893	
D 81 PFDoA										
615.10 > 570.00	7.706	7.697	0.009	1.117	2281729	1.52		75.8	6341	
66 PFDS										
599.00 > 79.90	7.955	7.946	0.009	1.113	745450	0.8064	Target=3.42	83.6	4419	
599.00 > 98.80	7.955	7.946	0.009	1.113	225357		3.31(1.71-5.12)		1547	
64 PFOSA										
498.10 > 77.90	7.973	7.955	0.018	1.001	731227	0.8705	Target=43.61	87.0	1788	
498.10 > 478.00	7.973	7.955	0.018	1.001	18939		38.61(21.80-65.41)		40.6	
D 65 13C8 FOSA										
506.10 > 77.80	7.964	7.964	0.0	1.113	1755203	1.65		82.5	5229	
67 PFTTrDA										
663.00 > 619.00	8.099	8.099	0.0	0.956	984061	0.8531	Target=7.60	85.3	3936	
663.00 > 168.90	8.099	8.099	0.0	0.956	141694		6.94(3.80-11.40)		1172	
68 11ClFOS										
630.90 > 450.90	8.250	8.250	0.0	1.153	1193988	0.7830	Target=3.18	82.9	4545	
632.90 > 452.90	8.250	8.250	0.0	1.153	393481		3.03(1.59-4.76)		3543	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.474	8.474	0.0	1.228	1108094	1.18		59.1	4470	
69 PFTeDA										
713.10 > 168.90	8.474	8.483	-0.009	1.000	102771	0.9833	Target=1.14	98.3	645	
713.10 > 219.00	8.483	8.483	0.0	1.001	85741		1.20(0.57-1.70)		865	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
71 PFDoS										
699.10 > 79.90	8.678	8.677	0.001	1.214	474376	0.6133	Target=3.63	63.2	2323	
699.10 > 98.80	8.678	8.677	0.001	1.214	131348		3.61(1.81-5.44)		1741	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.825	8.833	-0.008	1.233	241131	3.12		62.3	465	
73 N-MeFOSE-M										
616.10 > 58.90	8.844	8.843	0.001	1.002	583146	4.41		88.2	654	
D 75 d3-NMePFOSA										
515.00 > 219.00	8.942	8.941	0.001	1.249	404053	1.32		65.9	4017	
74 NMeFOSA										
511.90 > 219.00	8.942	8.950	-0.008	1.000	195484	0.9733	Target=0.68	97.3	871	
511.90 > 169.00	8.942	8.950	-0.008	1.000	279216		0.70(0.34-1.02)		516	
D 76 d9-N-EtFOSE										
639.20 > 58.90	9.066	9.065	0.001	1.267	252360	2.74		54.8	508	
77 N-EtFOSE-M										
630.00 > 58.90	9.081	9.079	0.002	1.002	783823	4.63		92.6	1387	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.151	9.163	-0.012	1.279	461802	1.25		62.3	1924	
79 N-EtFOSA-M										
526.00 > 219.00	9.164	9.177	-0.013	1.001	199415	0.9438	Target=0.84	94.4	1210	
526.00 > 169.00	9.164	9.177	-0.013	1.001	236701		0.84(0.42-1.26)		1100	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.372	9.384	-0.012	1.106	237770	0.3960	Target=15.84	39.6	3496	
913.00 > 169.00	9.372	9.384	-0.012	1.106	15056		15.79(7.92-23.77)		689	

QC Flag Legend

Processing Flags

Reagents:

1633_125_IS_V_00511

Amount Added: 50.00

Units: uL

Data File: \\chromfs\Lancaster\ChromData\30577\20251204-168875.b\25DEC04JO-17.d

Injection Date: 04-Dec-2025 22:11:13

Instrument ID: 30577

Lims ID: LCS 410-737578/11-A

Client ID:

Operator ID: ETUS023_USR_INS00009

ALS Bottle#: 27

Worklist Smp#: 21

Injection Vol: 7.0 ul

Dil. Factor: 1.0000

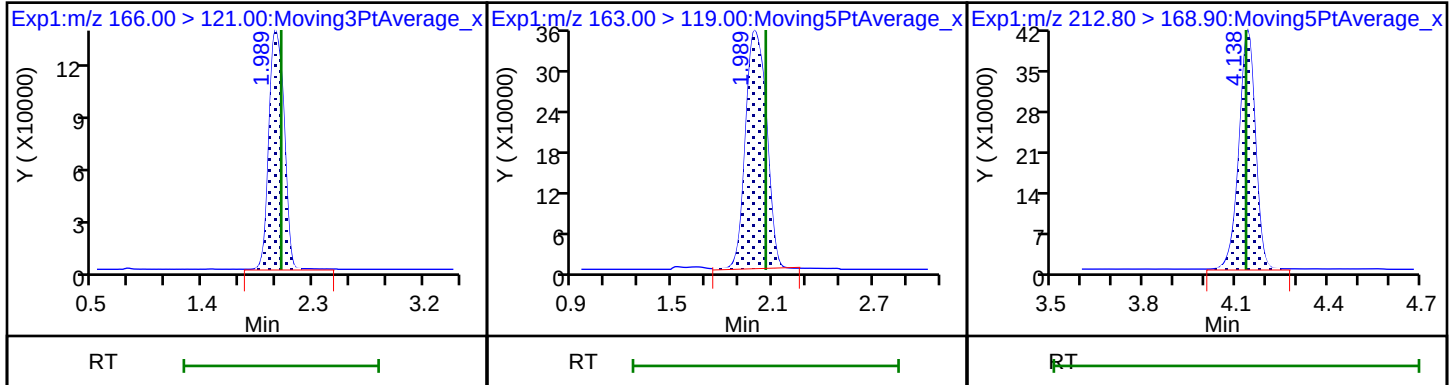
Method: 30577-1633-125

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid

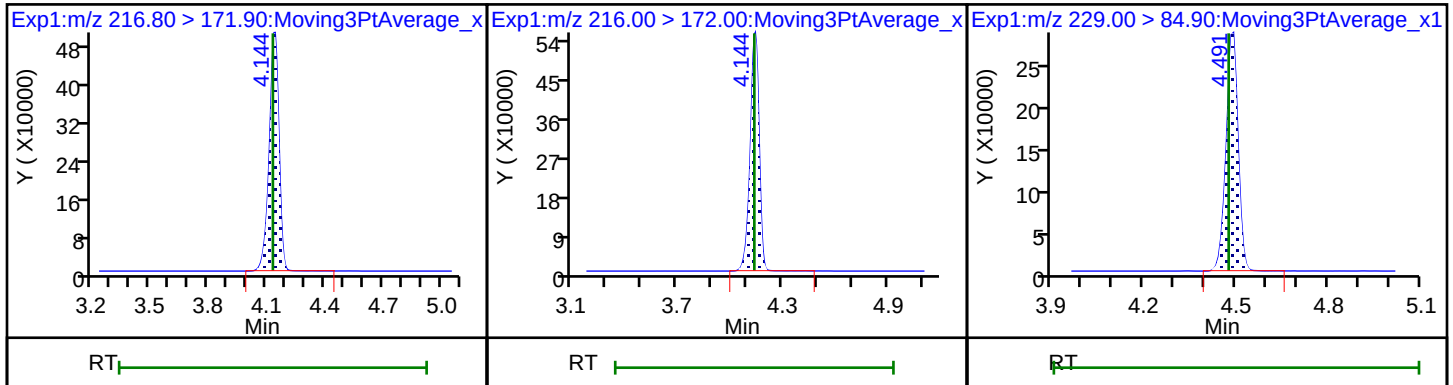
3 PFBA



D 4 13C4-PFBA

* 5 13C3PFBA

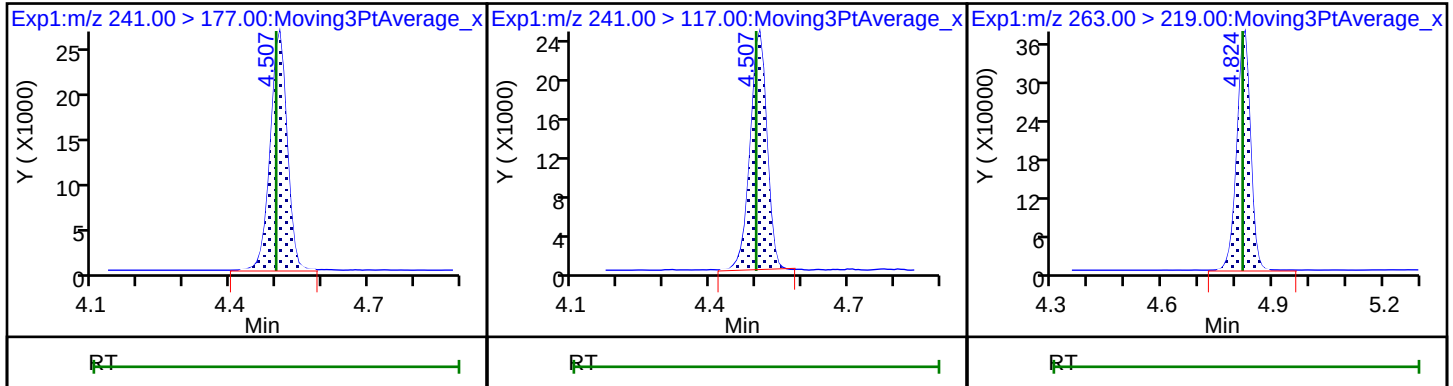
6 PFMPA



7 3:3 FTCA

7 3:3 FTCA

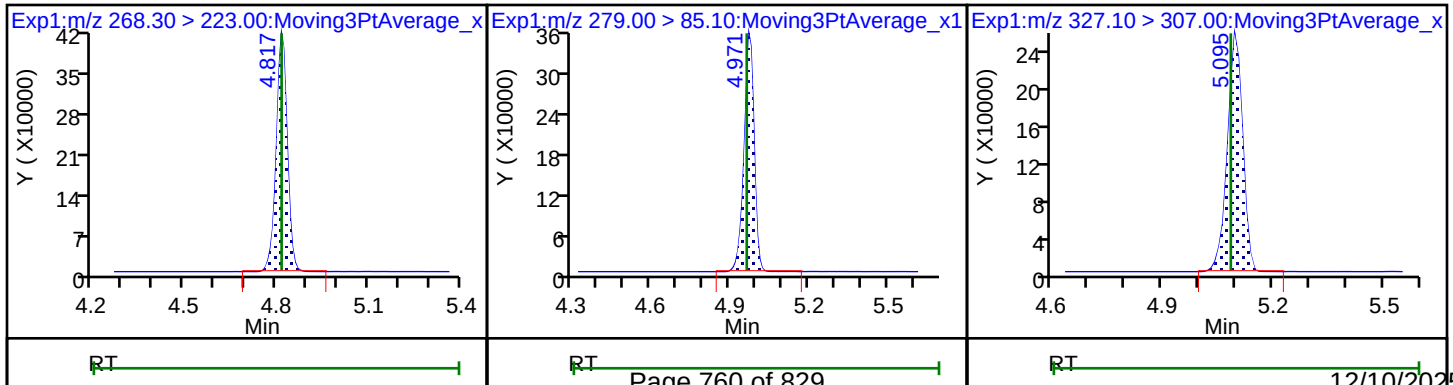
9 PFPA

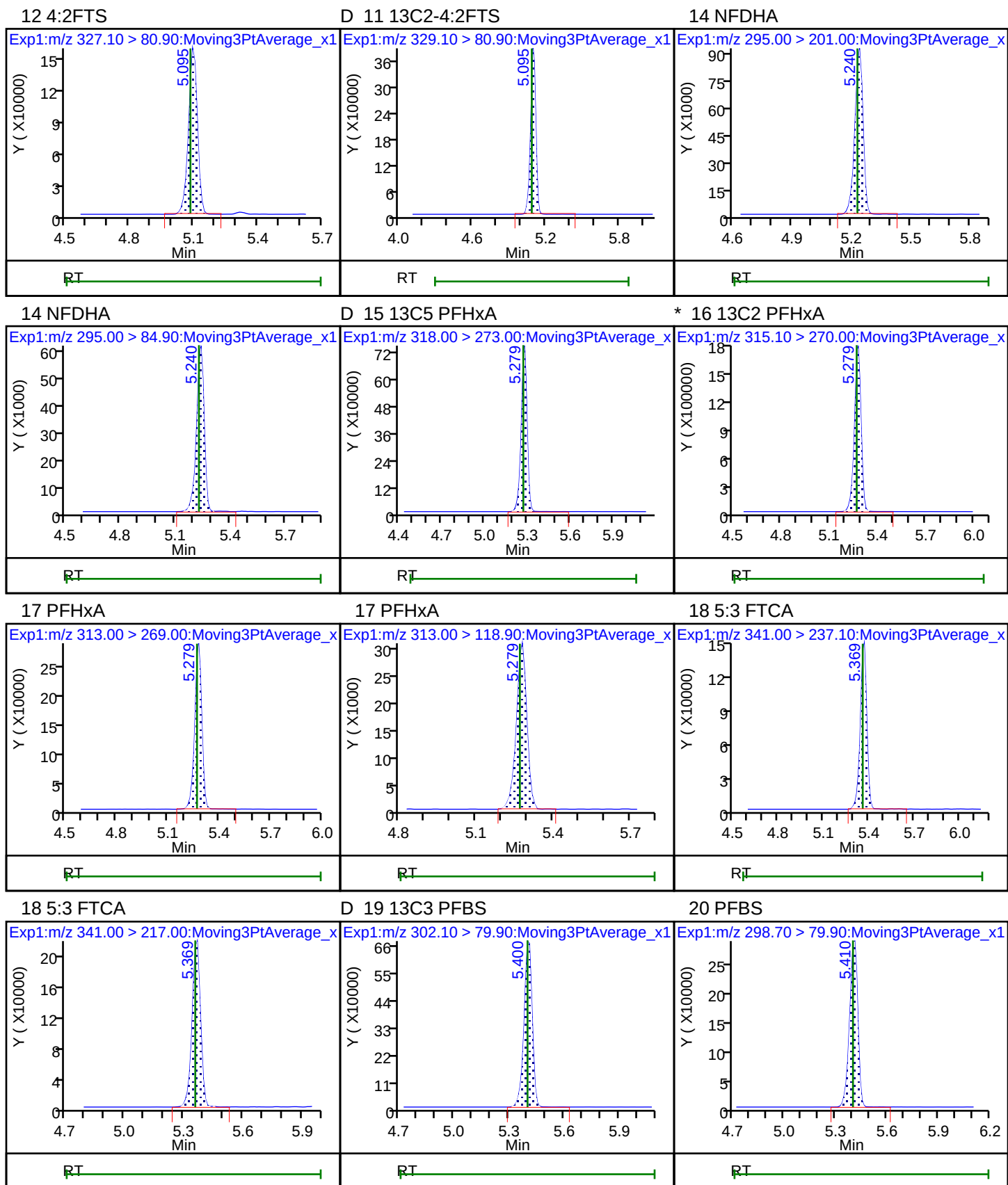


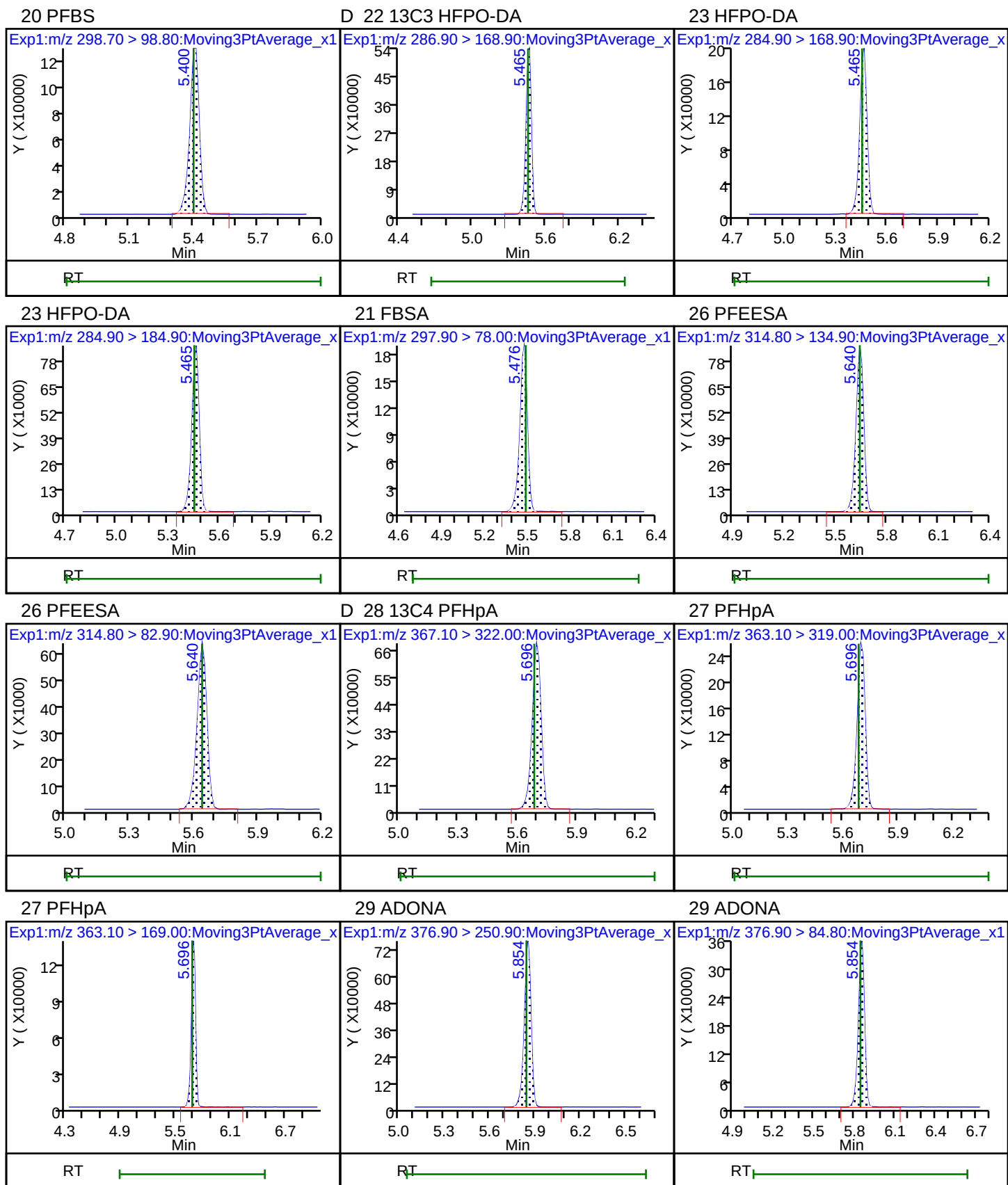
D 8 13C5 PFPeA

10 PFMB A

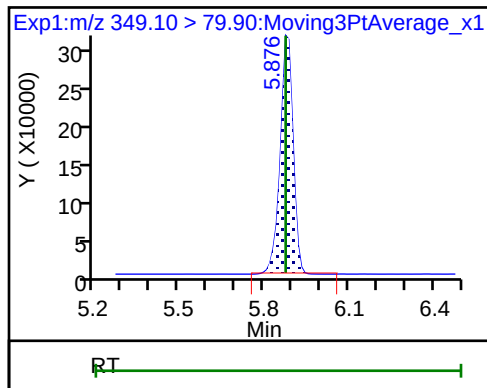
12 4:2FTS



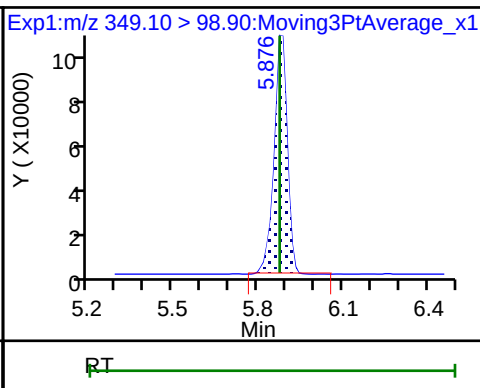




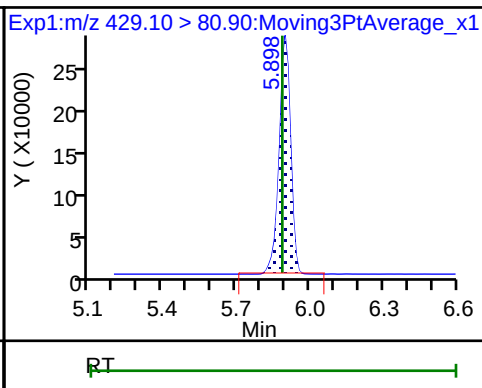
30 PFPeS



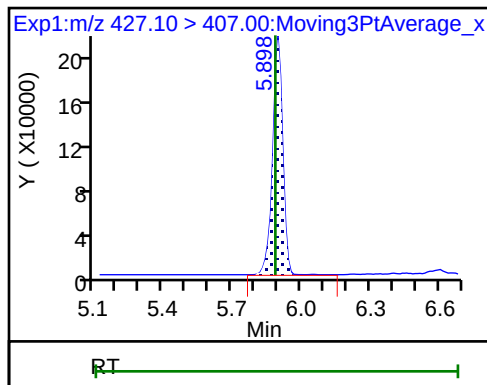
30 PFPeS



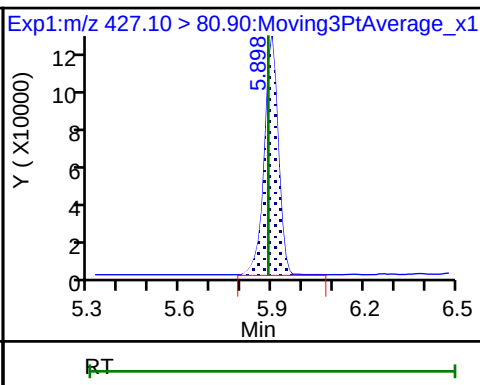
D 32 13C2-6:2FTS



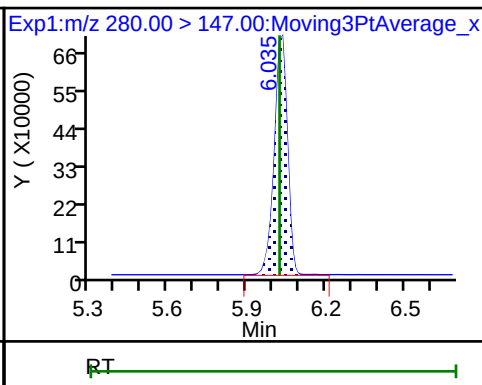
31 6:2FTS



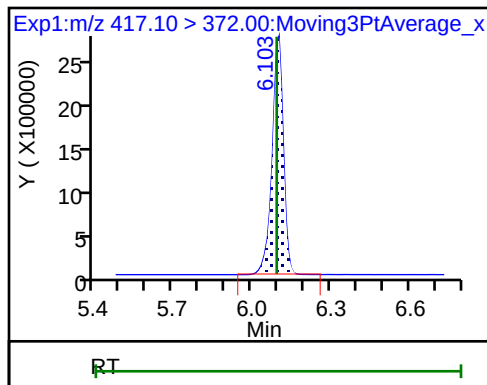
31 6:2FTS



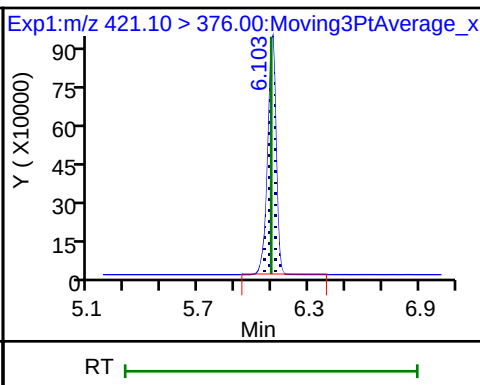
33 BTS



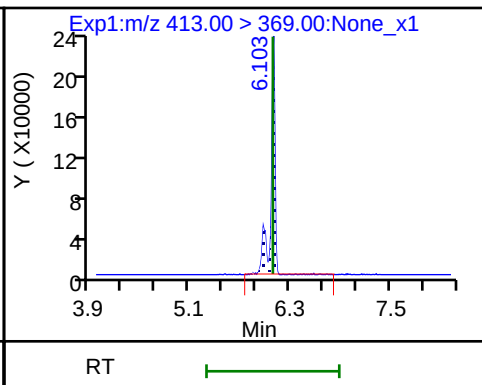
* 34 13C4 PFOA



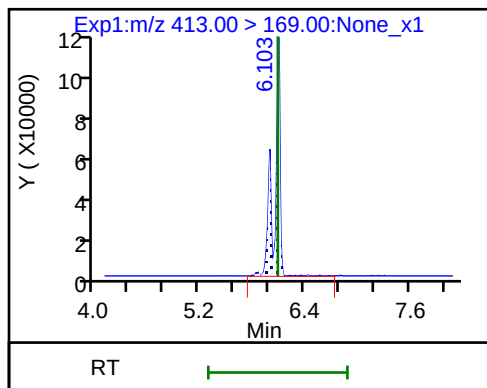
D 35 13C8 PFOA



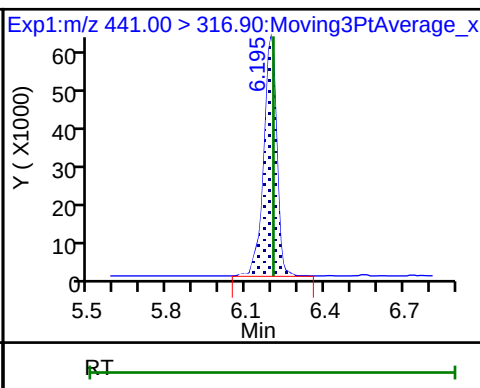
36 PFOA



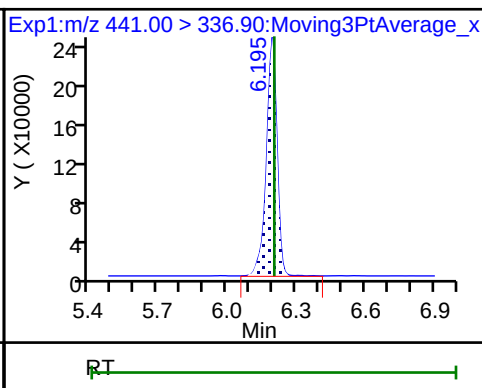
36 PFOA



37 7:3 FTCA



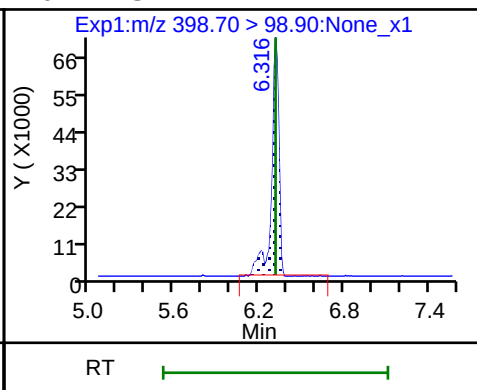
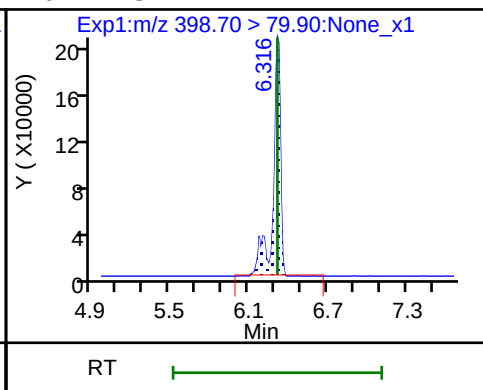
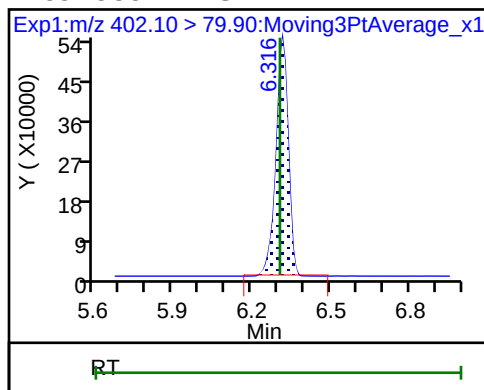
37 7:3 FTCA



D 38 13C3 PFHxS

40 PFHxS

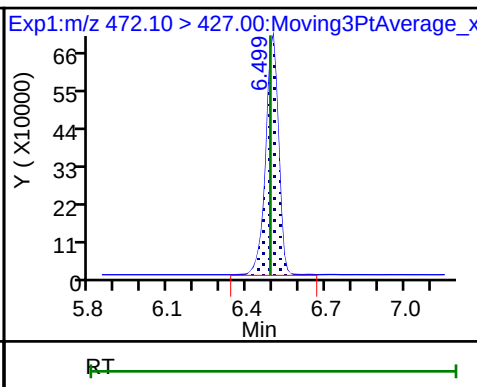
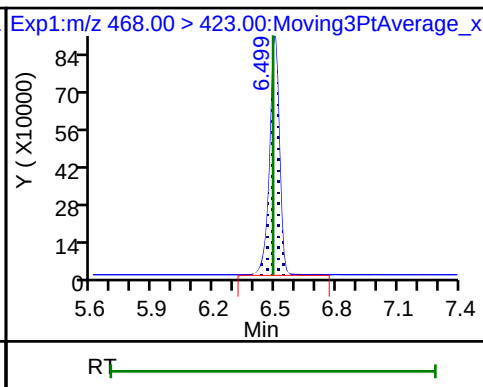
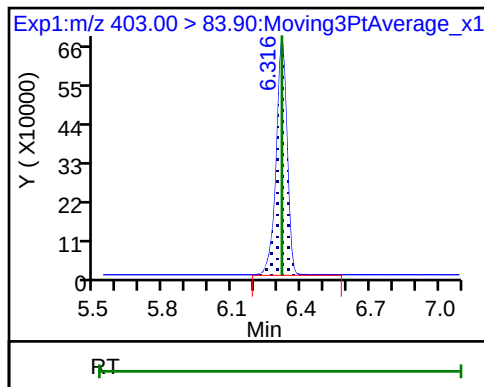
40 PFHxS



* 39 18O2 PFHxS

* 42 13C5 PFNA

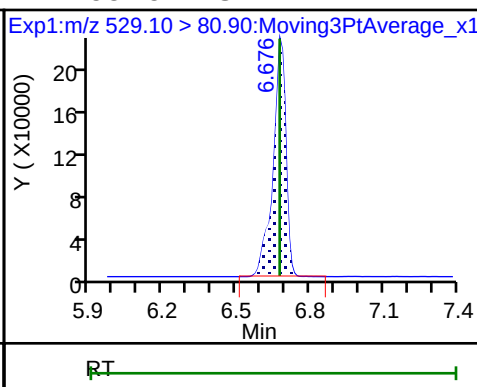
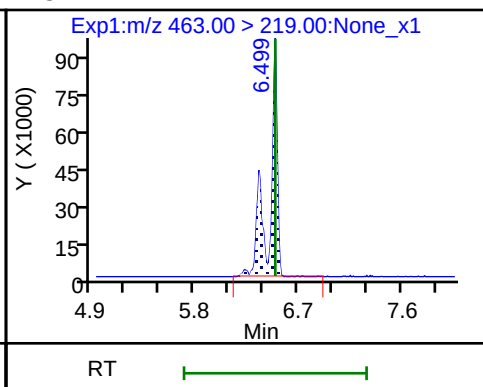
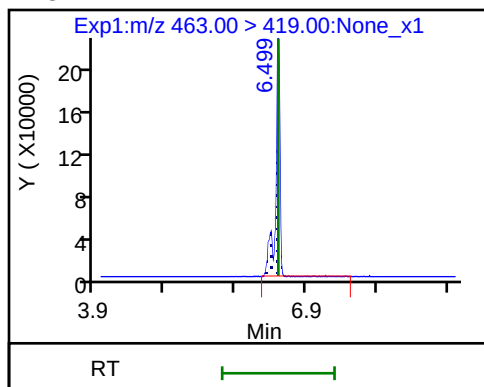
D 41 13C9 PFNA



43 PFNA

43 PFNA

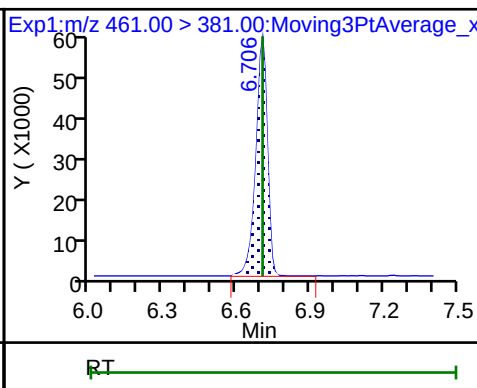
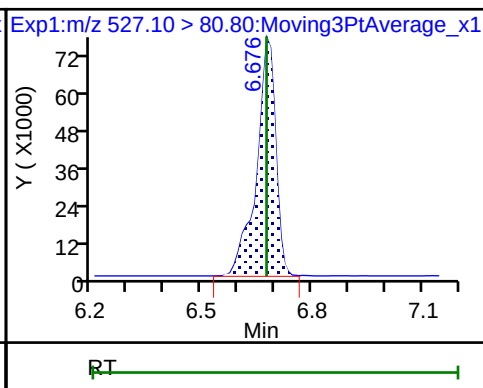
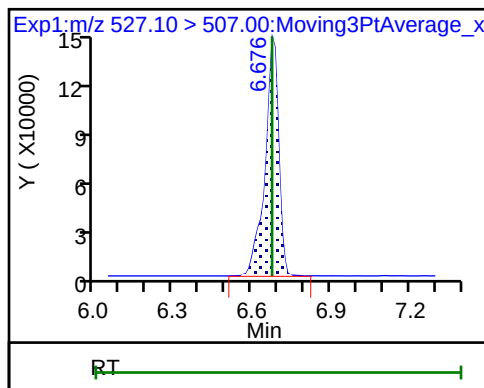
D 44 13C2-8:2FTS



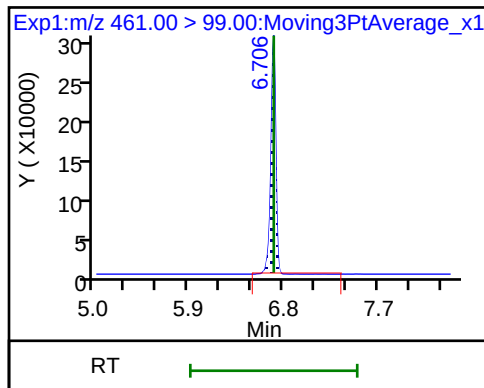
45 8:2FTS

45 8:2FTS

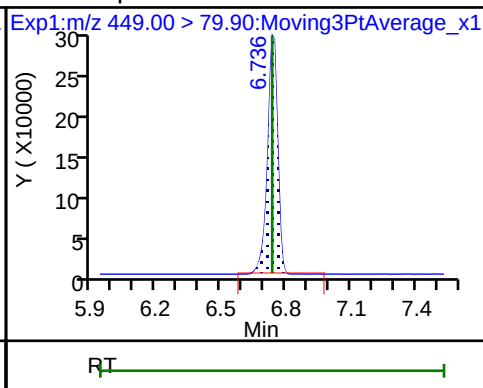
46 PFECHS



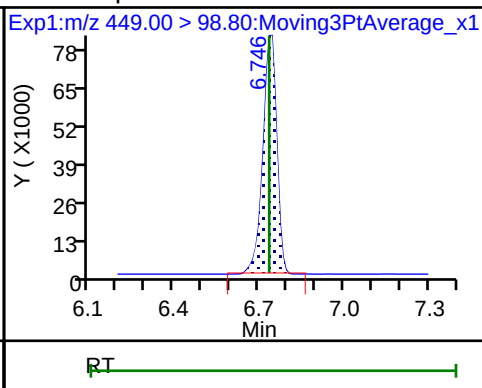
46 PFECHS



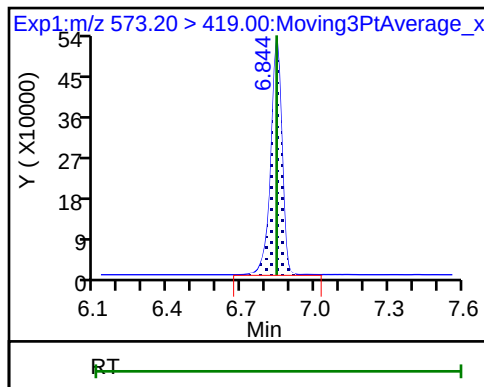
47 PFHpS



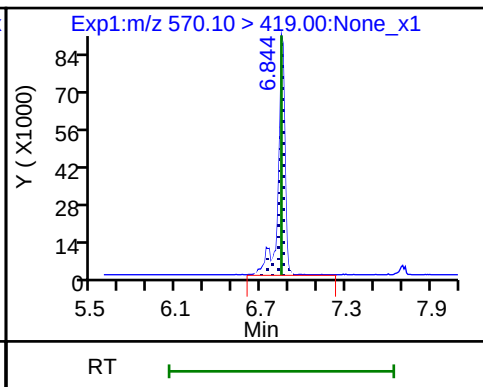
47 PFHpS



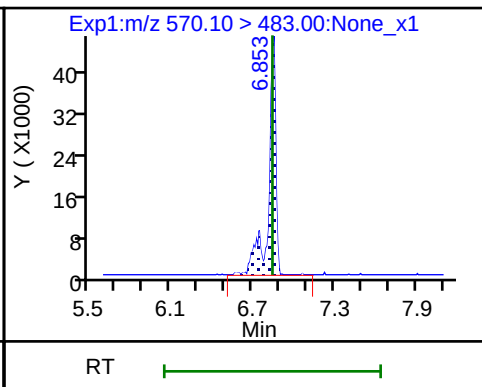
D 49 d3-NMeFOSAA



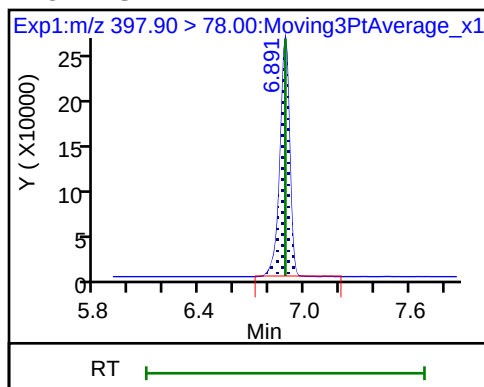
50 NMeFOSAA



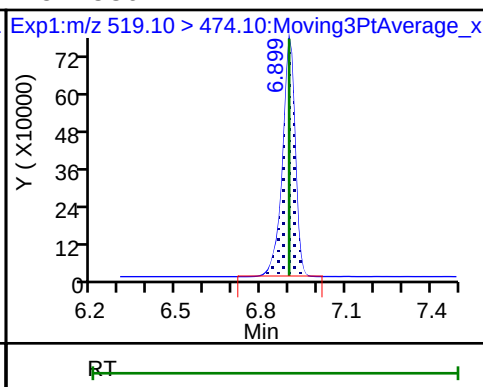
50 NMeFOSAA



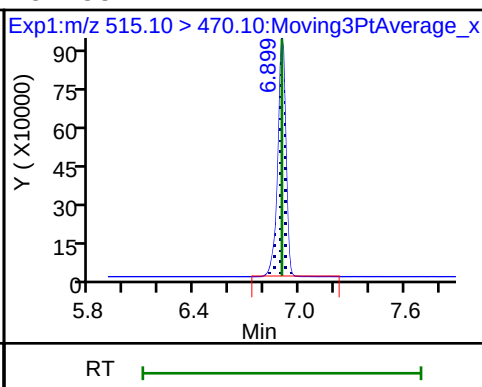
48 FHxSA



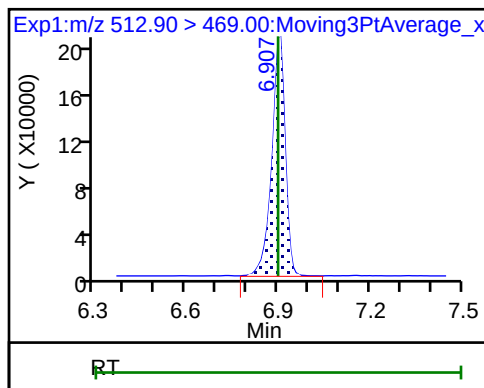
D 52 13C6 PFDA



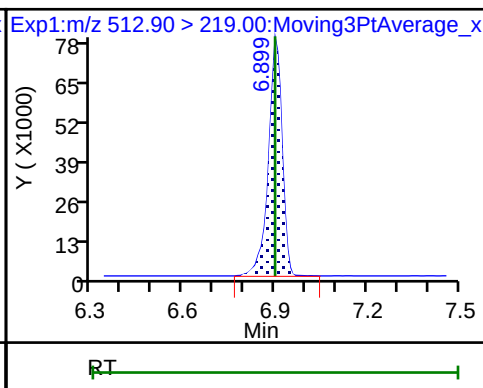
* 51 13C2 PFDA



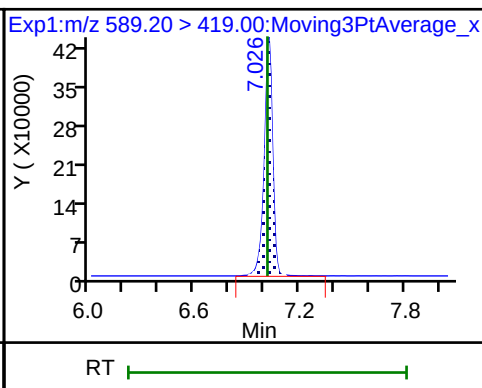
53 PFDA

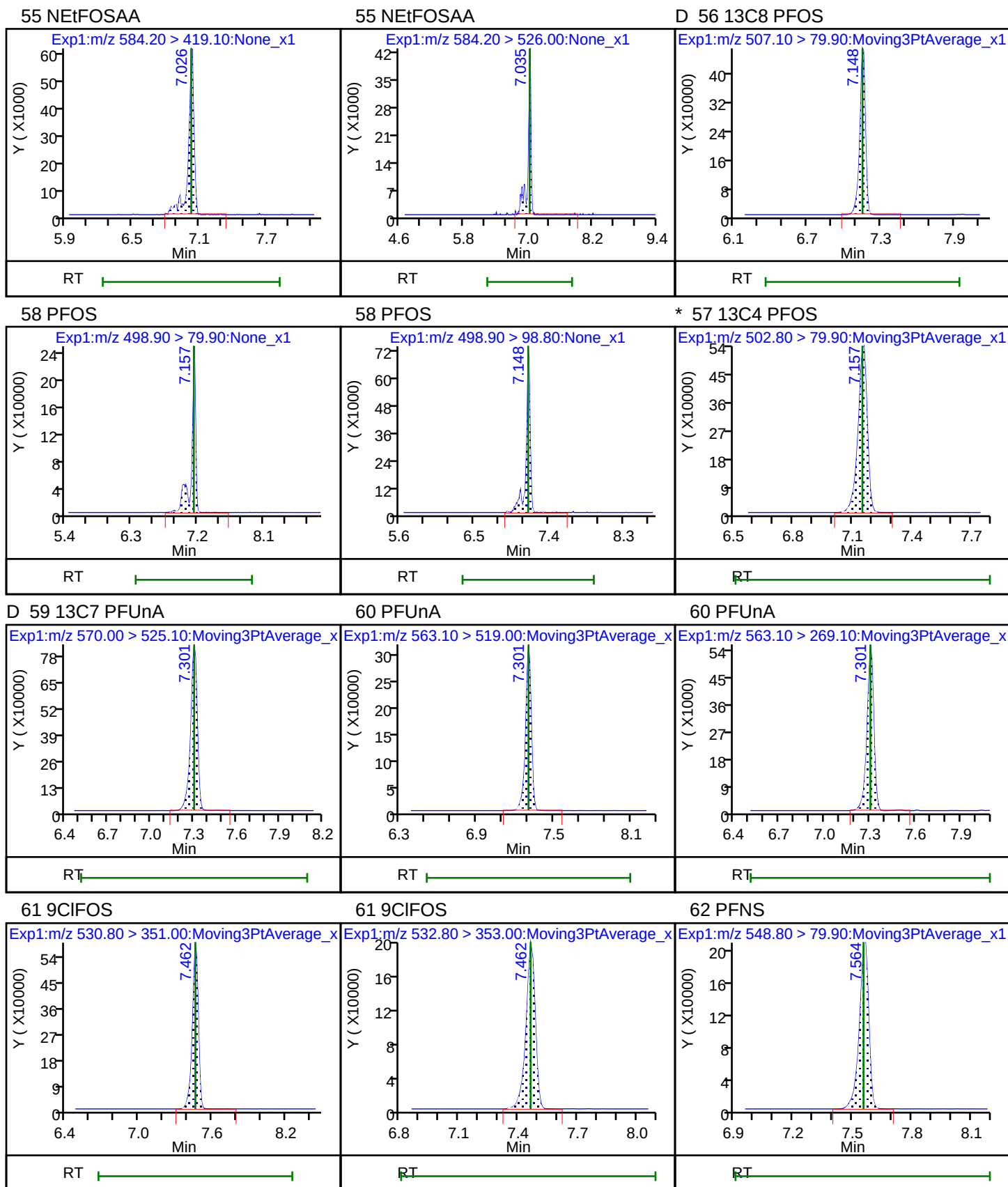


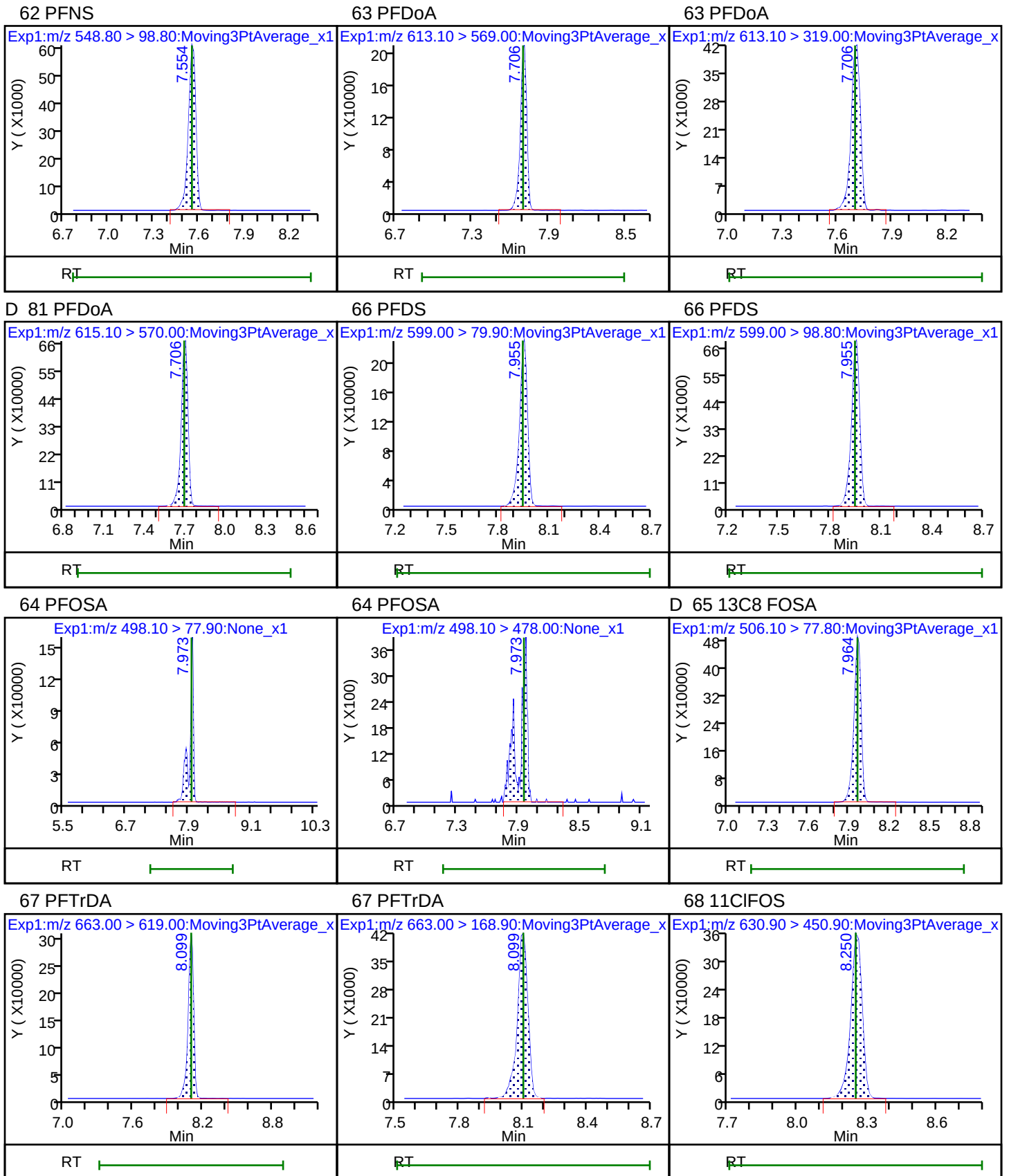
53 PFDA

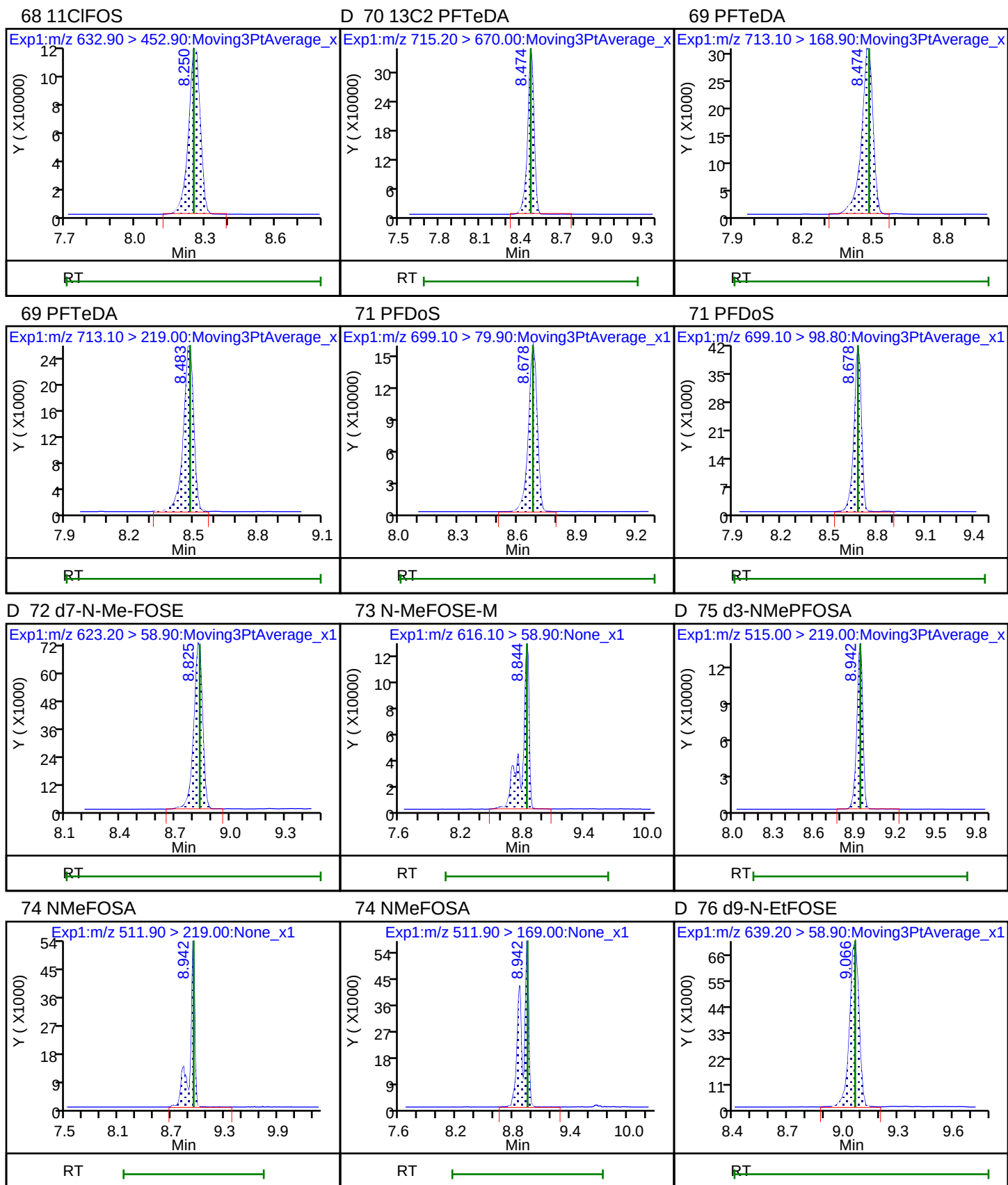


D 54 d5-NEtFOSAA

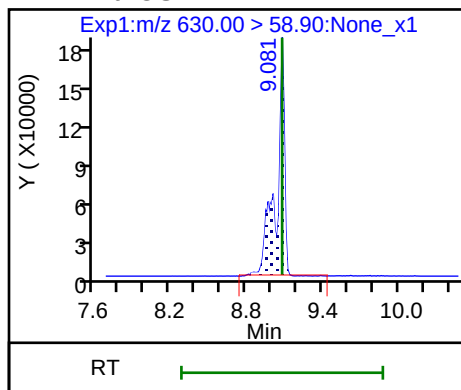




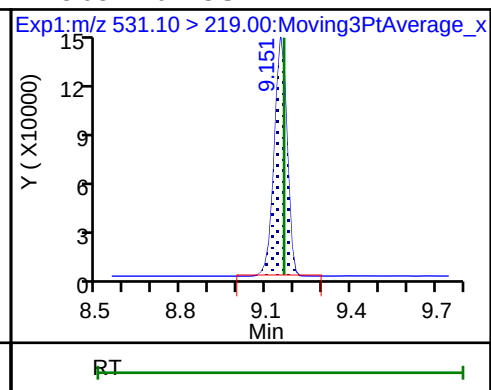




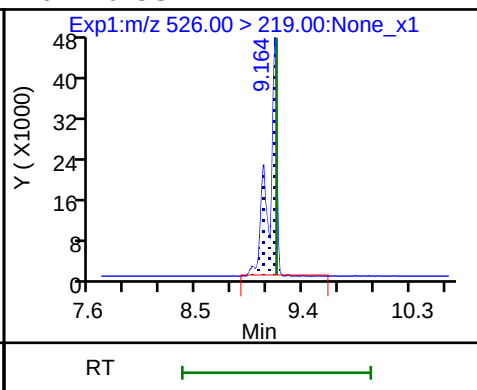
77 N-EtFOSE-M



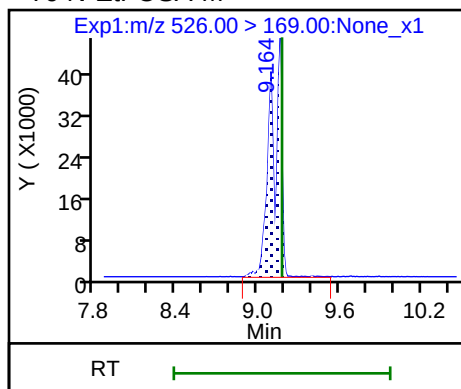
D 78 d5-NEtPFOSA



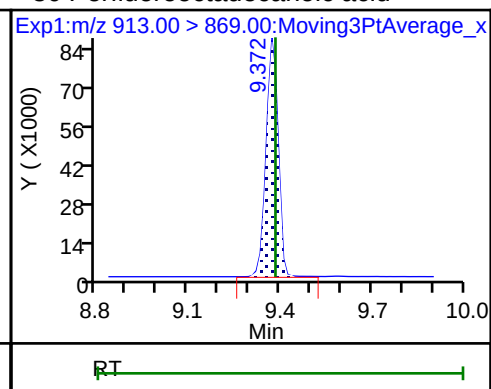
79 N-EtFOSA-M



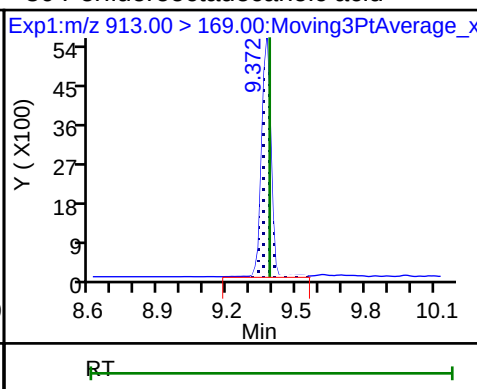
79 N-EtFOSA-M



80 Perfluorooctadecanoic acid



80 Perfluorooctadecanoic acid



FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Client Sample ID:

Lab Sample ID: LLCS 410-736383/9-A

Matrix: Water

Lab File ID: 25DEC01E-15.d

Analysis Method: 1633

Date Collected:

Extraction Method: 1633

Date Extracted: 11/27/2025 11:19

Sample wt/vol: 125 (mL)

Date Analyzed: 12/01/2025 19:10

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.: 737075

Units: ng/L

Preparation Batch No.: 736383

Instrument ID: 30570

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	7.80		4.0	1.1
2706-90-3	Perfluoropentanoic acid	4.07		2.0	0.60
307-24-4	Perfluorohexanoic acid	3.98		2.0	0.50
375-85-9	Perfluoroheptanoic acid	4.23		2.0	0.80
335-67-1	Perfluorooctanoic acid	3.90		2.0	0.90
375-95-1	Perfluorononanoic acid	4.70		2.0	0.50
335-76-2	Perfluorodecanoic acid	4.40		2.0	0.50
2058-94-8	Perfluoroundecanoic acid	3.90		2.0	0.50
307-55-1	Perfluorododecanoic acid	3.84		2.0	0.50
72629-94-8	Perfluorotridecanoic acid	3.74		2.0	0.50
376-06-7	Perfluorotetradecanoic acid	4.22		2.0	0.50
375-73-5	Perfluorobutanesulfonic acid	3.51		2.0	0.50
2706-91-4	Perfluoropentanesulfonic acid	3.78		2.0	0.50
355-46-4	Perfluorohexanesulfonic acid	3.32		2.0	0.80
375-92-8	Perfluoroheptanesulfonic acid	3.93		2.0	0.50
1763-23-1	Perfluorooctanesulfonic acid	3.66		2.0	1.3
68259-12-1	Perfluorononanesulfonic acid	3.56		2.0	0.50
335-77-3	Perfluorodecanesulfonic acid	3.07		2.0	0.50
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	2.72		2.0	0.60
757124-72-4	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	7.11		4.0	1.0
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	7.41		4.0	1.0
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	7.64		4.0	1.0
754-91-6	Perfluorooctanesulfonamide	4.02		2.0	0.50
31506-32-8	NMeFOSA	4.26		2.0	0.50
4151-50-2	N-ethylperfluoro-1-octanesulfonamide	3.98		2.0	0.50
2355-31-9	NMeFOSAA	3.80		2.0	0.50
2991-50-6	NEtFOSAA	3.82		2.0	0.50

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-254628-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LLCS 410-736383/9-A

Matrix: Water Lab File ID: 25DEC01E-15.d

Analysis Method: 1633 Date Collected: _____

Extraction Method: 1633 Date Extracted: 11/27/2025 11:19

Sample wt/vol: 125 (mL) Date Analyzed: 12/01/2025 19:10

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.: 737075 Units: ng/L

Preparation Batch No.: 736383 Instrument ID: 30570

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
24448-09-7	2-(N-methylperfluoro-1-octanesulfonamido) ethanol	20.7		10	2.5
1691-99-2	2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	21.0		10	4.0
13252-13-6	HFPO-DA	2.55		2.0	1.4
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.49		2.0	0.50
377-73-1	Perfluoro-3-methoxypropanoic acid	4.66		2.0	0.50
863090-89-5	Perfluoro(4-methoxybutanoic acid)	3.93		2.0	0.50
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid	4.49		2.0	0.50
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	3.47		2.0	0.50
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	3.07		2.0	0.50
113507-82-7	PFESA	3.30		2.0	0.50
356-02-5	3:3 FTCA	14.8		4.0	1.0
914637-49-3	5:3 FTCA	13.9		10	2.8
812-70-4	7:3 FTCA	11.8		10	2.5

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Client Sample ID:

Lab Sample ID: LLCS 410-736383/9-A

Matrix: Water

Lab File ID: 25DEC01E-15.d

Analysis Method: 1633

Date Collected:

Extraction Method: 1633

Date Extracted: 11/27/2025 11:19

Sample wt/vol: 125 (mL)

Date Analyzed: 12/01/2025 19:10

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.: 737075

Units: ng/L

Preparation Batch No.: 736383

Instrument ID: 30570

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	83.4		5-130
STL01893	13C5 PFPeA	91.5		40-130
STL02577	13C5 PFHxA	95.1		40-130
STL01892	13C4 PFHpA	94.9		40-130
STL01052	13C8 PFOA	88.4		40-130
STL02578	13C9 PFNA	85.3		40-130
STL02579	13C6 PFDA	77.3		40-130
STL02580	13C7 PFUnA	74.6		30-130
STL02116	13C2 PFTeDA	55.7		10-130
STL02337	13C3 PFBS	90.7		40-135
STL02581	13C3 PFHxS	84.8		40-130
STL01054	13C8 PFOS	87.7		40-130
STL01056	13C8 FOSA	69.1		40-130
STL02118	d3-NMeFOSAA	89.5		40-170
STL02117	d5-NEtFOSAA	69.9		25-135
STL02395	M2-4:2 FTS	107		40-200
STL02279	M2-6:2 FTS	106		40-200
STL02280	M2-8:2 FTS	101		40-300
STL02255	13C3 HFPO-DA	97.9		40-130
STL02277	d7-N-MeFOSE-M	47.0		10-130
STL02278	d9-N-EtFOSE-M	43.8		10-130
STL02704	d5-NEtPFOSA	58.3		10-130
STL02705	d3-NMePFOSA	62.2		10-130
960315-52-0	13C2 PFDoA	67.7		10-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\25DEC01E-15.d
 Lims ID: LLCS 410-736383/9-A
 Client ID:
 Sample Type: LLCS
 Inject. Date: 01-Dec-2025 19:10:17 ALS Bottle#: 23 Worklist Smp#: 39
 Injection Vol: 7.0 ul Dil. Factor: 1.0000
 Sample Info: LLCS 410-736383/9-A
 Misc. Info.: Plate: 1 Rack: 1 410-0168432-039
 Operator ID: ETUS023_USR_INS00003 Instrument ID: 30570
 Method: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\30570-1633-125ml.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 02-Dec-2025 07:28:53 Calib Date: 29-Nov-2025 12:50:55
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30570\20251129-168303.b\25NOV29CAL-08.d
 Column 1 : Det: EXP1
 Process Host: CTX1649

First Level Reviewer: MC7V

Date: 02-Dec-2025 07:25:19

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	1.938	1.973	-0.035	0.474	894821	1.06		53.0	63813	
2 Perfluoropropionic acid										
163.00 > 119.00	1.938	1.985	-0.047	1.000	221678	0.5018		100	1799	
5 PFBA										
212.80 > 168.90	4.083	4.109	-0.026	0.998	170626	0.1951		97.5	2375	
D 3 13C4-PFBA										
216.80 > 171.90	4.089	4.109	-0.020	1.000	1913352	1.67		83.4	5000	
* 4 13C3PFBA										
216.00 > 172.00	4.089	4.109	-0.020		1975773	2.00			1048	
6 PFMPA										
229.00 > 84.90	4.406	4.424	-0.018	0.931	107641	0.1164		116	739	
7 3:3 FTCA										
241.00 > 177.00	4.415	4.433	-0.018	0.933	16205	0.3711	Target=1.35	186	384	
241.00 > 117.00	4.415	4.433	-0.018	0.933	12586		1.29(0.68-2.03)		134	
D 8 13C5 PFPeA										
268.30 > 223.00	4.734	4.755	-0.021	0.914	1428705	1.83		91.5	5523	
9 PFPA										
263.00 > 219.00	4.734	4.765	-0.031	1.000	87712	0.1017		102	95.7	
10 PFMBBA										
279.00 > 85.10	4.882	4.915	-0.033	1.031	120863	0.0982		98.2	1018	
D 13 13C2-4:2FTS										
329.10 > 80.90	5.008	5.036	-0.028	0.808	1068740	5.00		107	3684	
11 4:2FTS										
327.10 > 307.00	5.008	5.036	-0.028	1.000	66596	0.1777	Target=1.50	94.7	575	
327.10 > 80.90	5.008	5.036	-0.028	1.000	44622		1.49(0.75-2.25)		87.5	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.143	5.181	-0.038	0.993	20232	0.1123	Target=1.60	112	258	
295.00 > 84.90	5.143	5.181	-0.038	0.993	12621		1.60(0.80-2.41)		121	
* 16 13C2 PFHxA										
315.10 > 270.00	5.181	5.219	-0.038		4751174	5.00			9030	
D 15 13C5 PFHxA										
318.00 > 273.00	5.181	5.219	-0.038	1.000	2048947	1.90		95.1	5635	
17 PFHxA										
313.00 > 269.00	5.190	5.228	-0.038	1.002	98533	0.0996	Target=10.68	99.6	189	
313.00 > 118.90	5.181	5.228	-0.047	1.000	8771		11.23(5.34-16.01)		54.3	
18 5:3 FTCA										
341.00 > 237.10	5.258	5.297	-0.039	1.015	46771	0.3485	Target=0.91	69.7	263	
341.00 > 217.00	5.258	5.297	-0.039	1.015	50395		0.93(0.46-1.37)		323	
19 PFBS										
298.70 > 79.90	5.318	5.362	-0.044	1.000	107350	0.0877	Target=2.86	98.8	324	
298.70 > 98.80	5.318	5.362	-0.044	1.000	37748		2.84(1.43-4.30)		241	
D 20 13C3 PFBS										
302.10 > 79.90	5.318	5.362	-0.044	0.858	1860640	1.69		90.7	8488	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.362	5.406	-0.044	1.035	1449297	1.96		97.9	7266	
21 HFPO-DA										
284.90 > 168.90	5.362	5.406	-0.044	1.000	47771	0.0637	Target=2.59	84.9	254	
284.90 > 184.90	5.362	5.406	-0.044	1.000	21510		2.22(1.30-3.89)		93.6	
23 FBSA										
297.90 > 78.00	5.362	5.427	-0.065	1.008	84759	0.0822		82.2	515	
26 PFEESA										
314.80 > 134.90	5.544	5.599	-0.055	1.070	246274	0.0824	Target=12.75	92.4	1270	
314.80 > 82.90	5.544	5.599	-0.055	1.070	18588		13.25(6.37-19.12)		129	
28 PFHpA										
363.10 > 319.00	5.599	5.642	-0.043	1.000	87309	0.1056	Target=2.26	106	188	
363.10 > 169.00	5.599	5.642	-0.043	1.000	37524		2.33(1.13-3.39)		180	
D 27 13C4 PFHpA										
367.10 > 322.00	5.599	5.642	-0.043	1.081	1738314	1.90		94.9	6943	
29 ADONA										
376.90 > 250.90	5.743	5.799	-0.056	1.071	208302	0.0872	Target=1.92	92.2	1434	
376.90 > 84.80	5.743	5.799	-0.056	1.071	107287		1.94(0.96-2.88)		622	
30 PFPeS										
349.10 > 79.90	5.776	5.845	-0.069	0.932	81230	0.0944	Target=3.26	100	502	
349.10 > 98.90	5.787	5.845	-0.058	0.934	24103		3.37(1.63-4.89)		200	
31 6:2FTS										
427.10 > 407.00	5.787	5.845	-0.058	1.000	59625	0.1853	Target=1.68	97.3	15.1	
427.10 > 80.90	5.787	5.845	-0.058	1.000	37934		1.57(0.84-2.52)		18.4	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.787	5.845	-0.058	0.934	814312	5.04		106	3318	
33 BTS										
280.00 > 147.00	5.938	6.007	-0.069	0.958	152446	0.0976		99.7	711	
* 35 13C4 PFOA										
417.10 > 372.00	5.987	6.038	-0.051		5539050	5.00			12733	
Q3706										

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	5.987	6.048	-0.061	1.000	2023982	1.77		88.4	1431	
36 PFOA										
413.00 > 369.00	5.987	6.048	-0.061	1.000	91299	0.0975	Target=2.08	97.5	94.5	
413.00 > 169.00	5.987	6.048	-0.061	1.000	39574		2.31(1.04-3.13)		79.1	
37 7:3 FTCA										
441.00 > 316.90	6.048	6.102	-0.054	1.167	20898	0.2948	Target=0.45	59.0	156	
441.00 > 336.90	6.048	6.102	-0.054	1.167	45367		0.46(0.23-0.68)		242	
D 39 13C3 PFHxS										
402.10 > 79.90	6.196	6.268	-0.072	1.000	1299586	1.61		84.8	1436	
* 38 18O2 PFHxS										
403.00 > 83.90	6.196	6.268	-0.072		1506651	1.90			3334	
40 PFHxS										
398.70 > 79.90	6.196	6.277	-0.081	1.000	75826	0.0830	Target=3.32	91.0	101	
398.70 > 98.90	6.205	6.277	-0.072	1.001	24458		3.10(1.66-4.97)		65.5	
43 PFNA										
463.00 > 419.00	6.360	6.430	-0.070	1.000	104343	0.1175	Target=2.36	118	156	
463.00 > 219.00	6.369	6.430	-0.061	1.001	35717		2.92(1.18-3.54)		72.4	
* 41 13C5 PFNA										
468.00 > 423.00	6.360	6.430	-0.070		2347197	2.00			4327	
D 42 13C9 PFNA										
472.10 > 427.00	6.360	6.430	-0.070	1.000	1925879	1.71		85.3	3187	
44 8:2FTS										
527.10 > 507.00	6.538	6.610	-0.072	1.000	51376	0.1911	Target=1.32	99.5	261	
527.10 > 80.80	6.527	6.610	-0.083	0.998	38103		1.35(0.66-1.99)		216	
D 45 13C2-8:2FTS										
529.10 > 80.90	6.538	6.610	-0.072	1.055	977350	4.85		101	1201	
46 PFECHS										
461.00 > 381.00	6.568	6.641	-0.073	1.060	22280	0.0918	Target=0.28	99.3	122	
461.00 > 99.00	6.568	6.641	-0.073	1.060	83844		0.27(0.14-0.42)		394	
47 PFHpS										
449.00 > 79.90	6.599	6.673	-0.074	0.944	81925	0.0982	Target=3.76	103	328	
449.00 > 98.80	6.599	6.673	-0.074	0.944	22630		3.62(1.88-5.64)		181	
53 FHxSA										
397.90 > 78.00	6.630	6.683	-0.053	1.070	84500	0.0829		82.9	328	
49 NMeFOSAA										
570.10 > 419.00	6.694	6.763	-0.069	1.002	28617	0.0950	Target=1.91	95.0	73.2	
570.10 > 483.00	6.694	6.763	-0.069	1.002	13766		2.08(0.96-2.87)		43.9	
D 48 d3-NMeFOSAA										
573.20 > 419.00	6.683	6.763	-0.080	0.956	1525271	4.47		89.5	1510	
* 50 13C2 PFDA										
515.10 > 470.10	6.745	6.823	-0.078		2174521	2.00			7627	
D 51 13C6 PFDA										
519.10 > 474.10	6.745	6.823	-0.078	1.000	1705095	1.55		77.3	7071	
52 PFDA										
512.90 > 469.00	6.745	6.823	-0.078	1.000	93710	0.1100	Target=4.25	110	354	
512.90 > 219.00	6.754	6.823	-0.069	1.001	19438		4.82(2.12-6.37)		157	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 54 d5-NEtFOSAA										a
589.20 > 419.00	6.851	6.927	-0.076	0.980	1195693	3.50		69.9	497	a
55 NEtFOSAA										
584.20 > 419.10	6.861	6.936	-0.075	1.001	17496	0.0955	Target=1.44	95.5	67.1	
584.20 > 526.00	6.861	6.936	-0.075	1.001	12544		1.39(0.72-2.15)		32.9	
D 56 13C8 PFOS										
507.10 > 79.90	6.988	7.080	-0.092	1.000	1299755	1.68		87.7	1736	
58 PFOS										
498.90 > 79.90	6.988	7.080	-0.092	1.000	95153	0.0914	Target=4.40	98.3	141	
498.90 > 98.80	6.999	7.080	-0.081	1.001	20495		4.64(2.20-6.60)		58.5	
* 57 13C4 PFOS										
502.80 > 79.90	6.988	7.080	-0.092		1680388	1.92			4344	
D 59 13C7 PFUnA										
570.00 > 525.10	7.130	7.223	-0.093	1.057	1870518	1.49		74.6	6210	
60 PFUnA										
563.10 > 519.00	7.130	7.223	-0.093	1.000	80056	0.0975	Target=6.12	97.5	453	
563.10 > 269.10	7.130	7.223	-0.093	1.000	13179		6.07(3.06-9.18)		162	
61 9C1FOS										
530.80 > 351.00	7.293	7.397	-0.104	1.044	162284	0.0868	Target=3.14	93.0	806	
532.80 > 353.00	7.293	7.397	-0.104	1.044	49368		3.29(1.57-4.71)		168	
62 PFNS										
548.80 > 79.90	7.387	7.488	-0.101	1.057	69071	0.0889	Target=3.48	92.4	354	
548.80 > 98.80	7.377	7.488	-0.111	1.056	18104		3.82(1.74-5.23)		201	
D 81 13C2 PFDaA										
615.10 > 570.00	7.521	7.624	-0.103	1.115	1431667	1.35		67.7	3547	
63 PFDaA										
613.10 > 569.00	7.521	7.631	-0.110		70802	0.0960	Target=6.22	96.0	663	
613.10 > 319.00	7.521	7.631	-0.110		12045		5.88(3.11-9.33)		138	
D 65 13C8 FOSA										
506.10 > 77.80	7.737	7.776	-0.039	1.107	1389919	1.38		69.1	1451	
64 PFOSA										
498.10 > 77.90	7.737	7.776	-0.039	1.000	62606	0.1006	Target=53.04	101	180	
498.10 > 478.00	7.563	7.776	-0.213	0.977	1489		42.05(26.52-79.56)		5.3	
66 PFDS										
599.00 > 79.90	7.767	7.887	-0.120	1.111	63927	0.0768	Target=3.66	79.6	684	
599.00 > 98.80	7.767	7.887	-0.120	1.111	17451		3.66(1.83-5.49)		182	
67 PFTTrDA										
663.00 > 619.00	7.909	8.027	-0.118	0.953	66966	0.0936	Target=5.85	93.6	650	
663.00 > 168.90	7.909	8.027	-0.118	0.953	11967		5.60(2.93-8.78)		132	
68 11C1FOS										
630.90 > 450.90	8.071	8.203	-0.132	1.155	100190	0.0768	Target=3.12	81.3	936	
632.90 > 452.90	8.071	8.203	-0.132	1.155	31136		3.22(1.56-4.68)		374	
D 69 13C2 PFTeDA										
715.20 > 670.00	8.296	8.423	-0.127	1.230	599844	1.11		55.7	2462	
70 PFTeDA										
713.10 > 168.90	8.296	8.432	-0.136	1.000	9227	0.1056	Target=1.15	106	127	
713.10 > 219.00	8.296	8.432	-0.136	1.000	7634		1.21(0.58-1.73)		93.3	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
71 PFDoS										
699.10 > 79.90	8.513	8.658	-0.145	1.218	45587	0.0681	Target=4.11	70.2	236	
699.10 > 98.80	8.513	8.658	-0.145	1.218	10647		4.28(2.05-6.16)		167	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.728	8.741	-0.013	1.249	327593	2.35		47.0	284	
73 N-MeFOSE-M										
616.10 > 58.90	8.741	8.754	-0.013	1.002	78970	0.5177		104	45.2	M
D 74 d3-NMePFOSA										
515.00 > 219.00	8.849	8.861	-0.012	1.266	303115	1.24		62.2	1289	
75 NMeFOSA										
511.90 > 219.00	8.862	8.861	0.001	1.001	16633	0.1065	Target=0.69	107	93.0	
511.90 > 169.00	8.849	8.861	-0.012	1.000	23636		0.70(0.35-1.04)		79.8	
D 76 d9-N-EtFOSE										
639.20 > 58.90	8.976	8.987	-0.011	1.284	353083	2.19		43.8	279	
77 N-EtFOSE-M										
630.00 > 58.90	9.000	9.011	-0.011	1.003	105351	0.5253		105	101	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.069	9.079	-0.010	1.298	342218	1.17		58.3	1166	
79 N-EtFOSA-M										
526.00 > 219.00	9.080	9.091	-0.011	1.001	15760	0.0995	Target=0.81	99.5	110	
526.00 > 169.00	9.091	9.091	0.0	1.003	20946		0.75(0.41-1.22)		90.1	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.269	9.453	-0.184	1.117	35873	0.0524	Target=18.31	52.4	408	
913.00 > 169.00	9.269	9.453	-0.184	1.117	1936		18.53(9.15-27.46)		88.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

1633_125_IS_V_00521

Amount Added: 50.00

Units: uL

Data File: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\25DEC01E-15.d

Injection Date: 01-Dec-2025 19:10:17

Instrument ID: 30570

Lims ID: LLCS 410-736383/9-A

Client ID:

Operator ID: ETUS023_USR_INS00003

ALS Bottle#: 23

Worklist Smp#: 39

Injection Vol: 7.0 ul

Dil. Factor: 1.0000

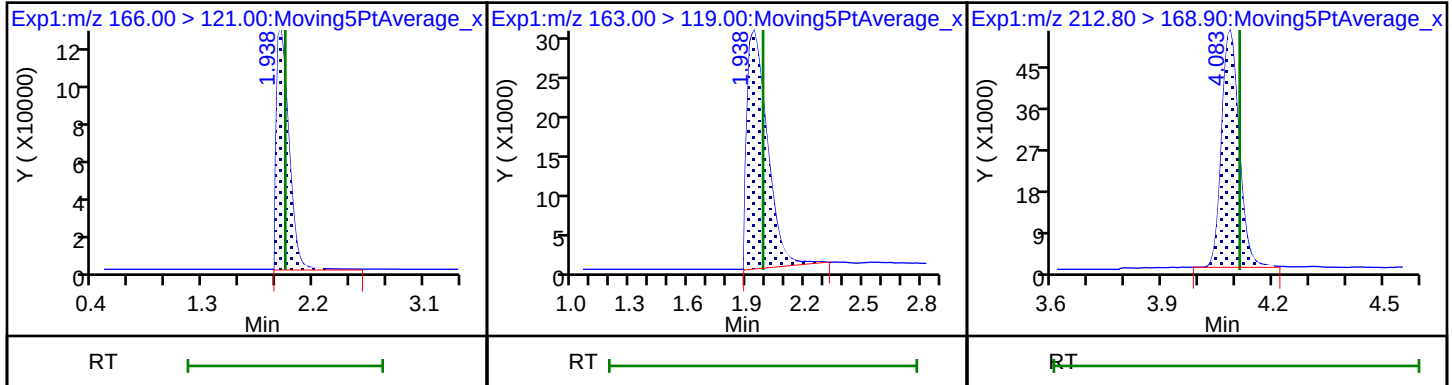
Method: 30570-1633-125ml

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid

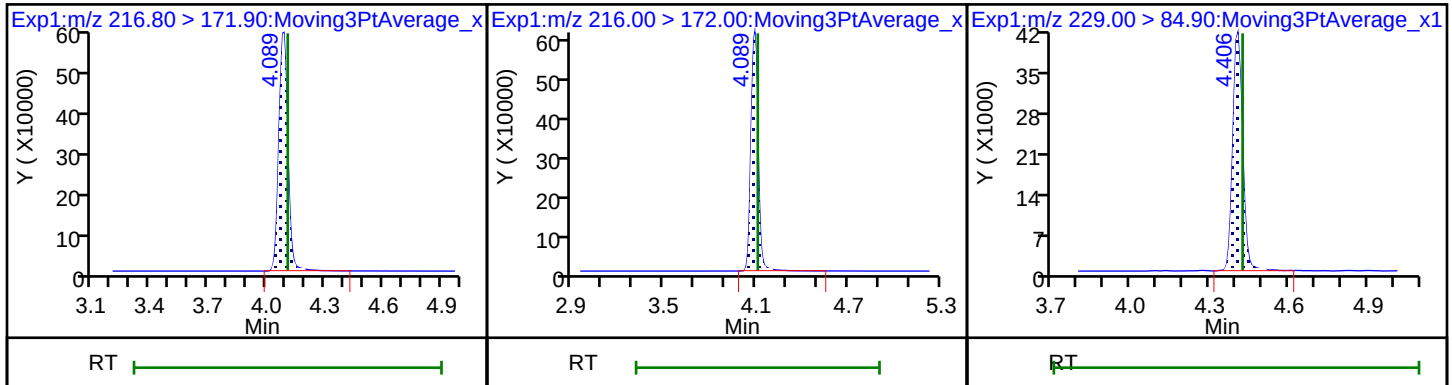
5 PFBA



D 3 13C4-PFBA

* 4 13C3PFBA

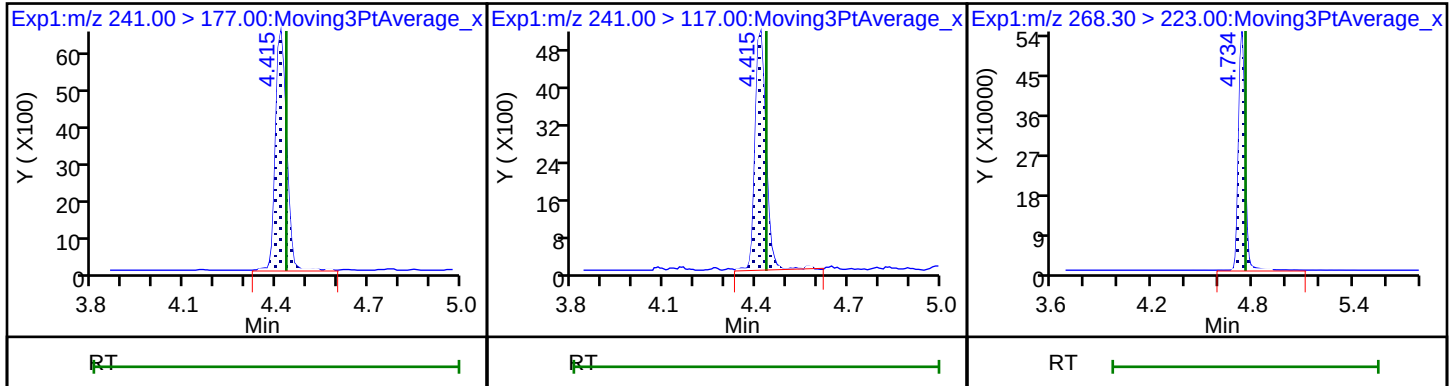
6 PFMPA



7 3:3 FTCA

7 3:3 FTCA

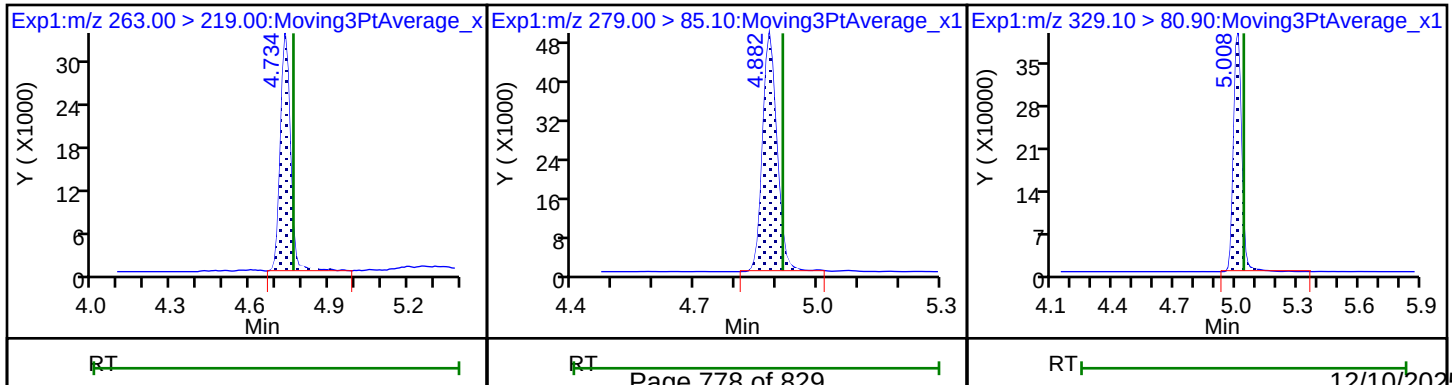
D 8 13C5 PFPeA

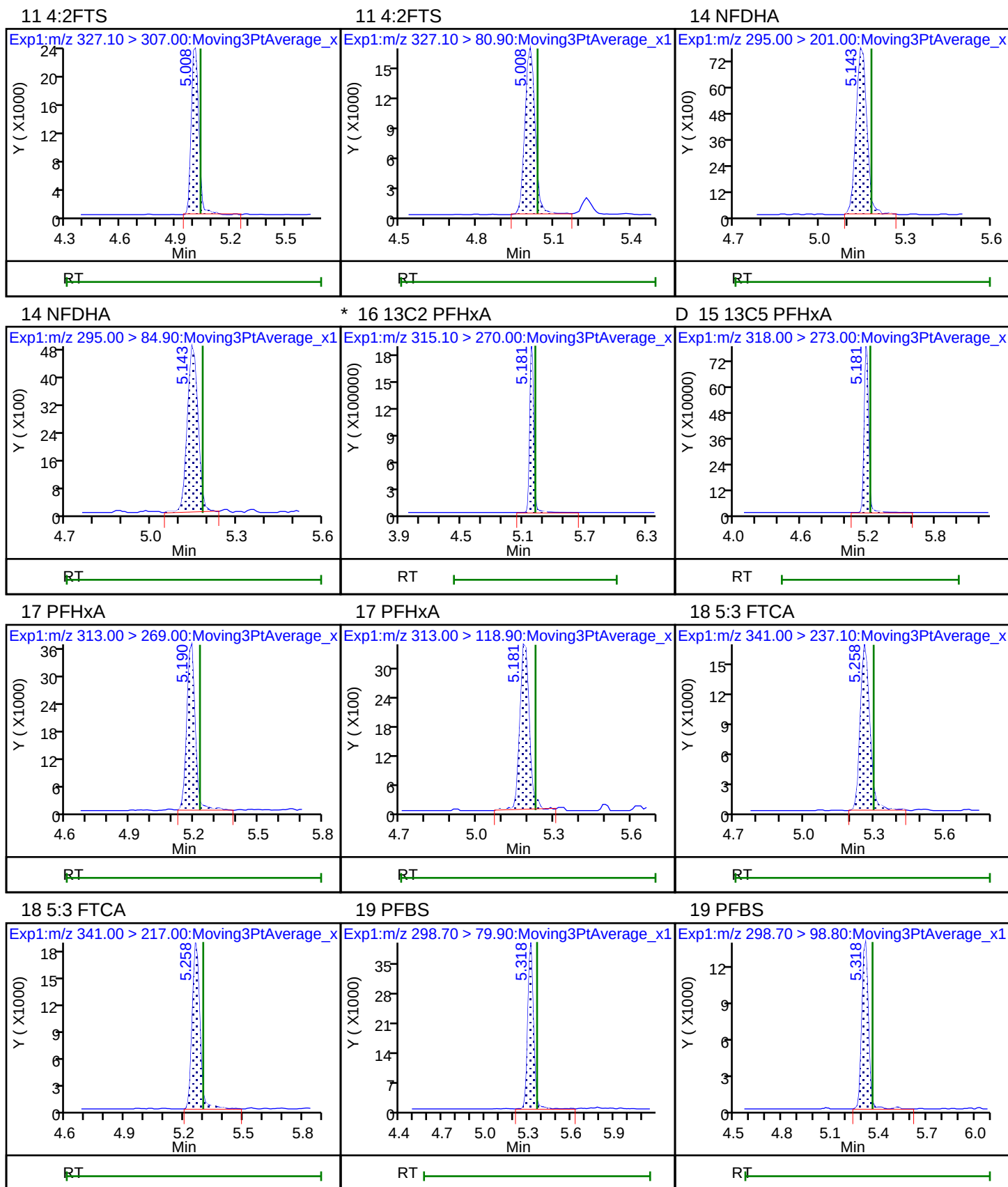


9 PFPA

10 PFMBA

D 13 13C2-4:2FTS

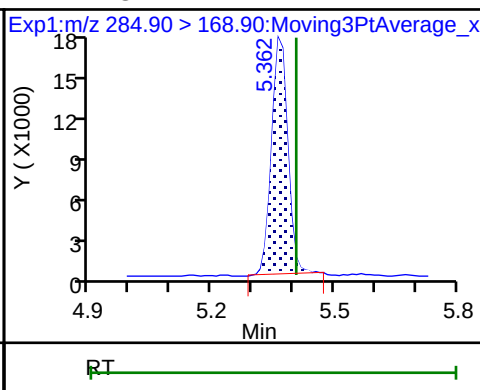
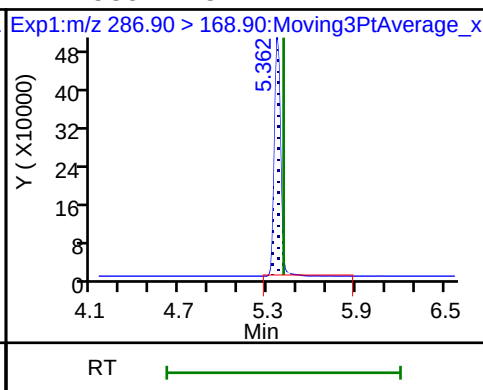
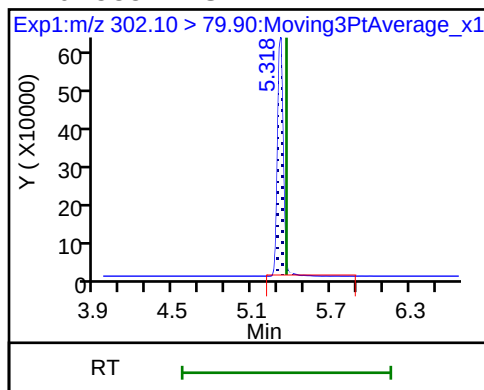




D 20 13C3 PFBS

D 22 13C3 HFPO-DA

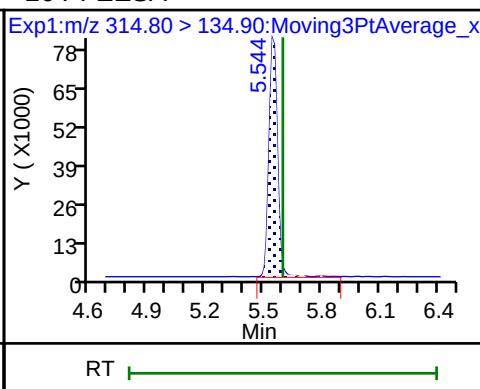
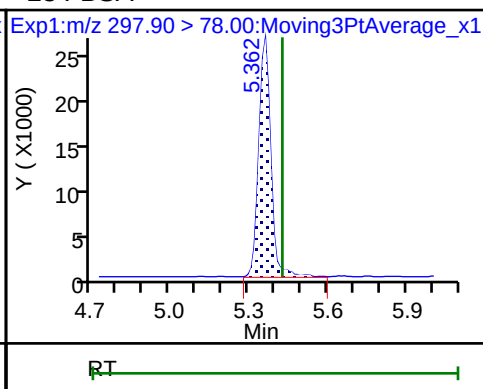
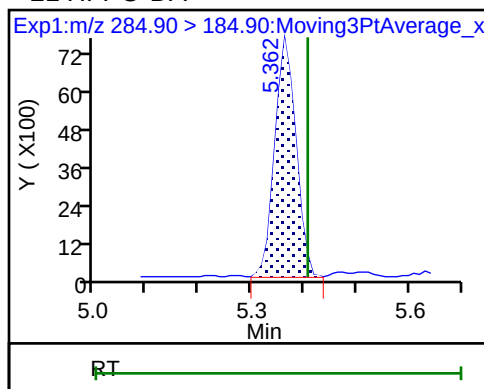
21 HFPO-DA



21 HFPO-DA

23 FBSA

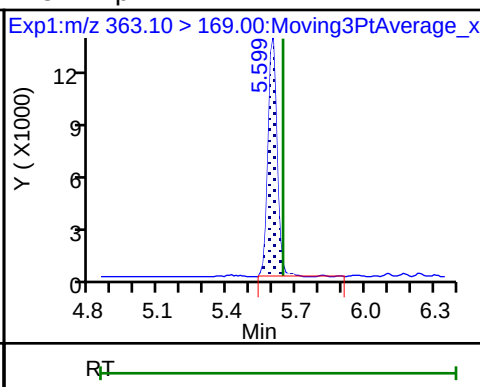
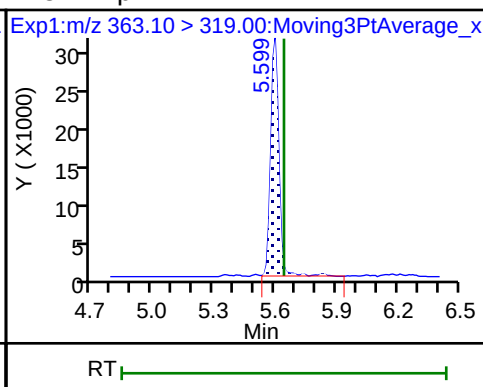
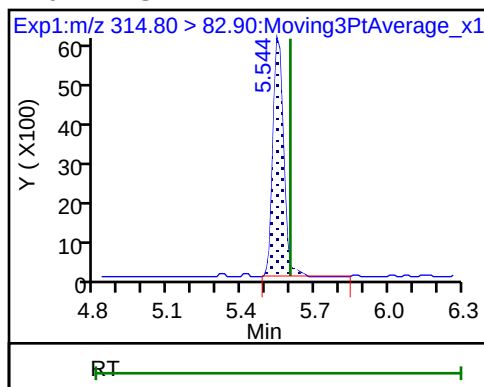
26 PFEESA



26 PFEESA

28 PFHpA

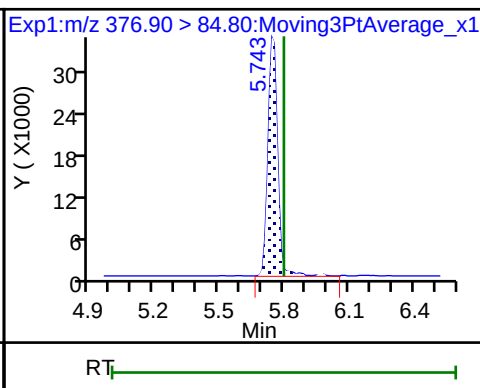
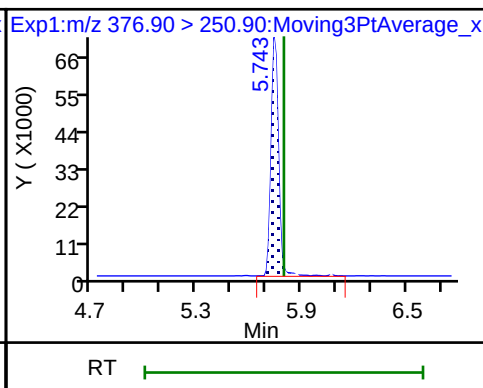
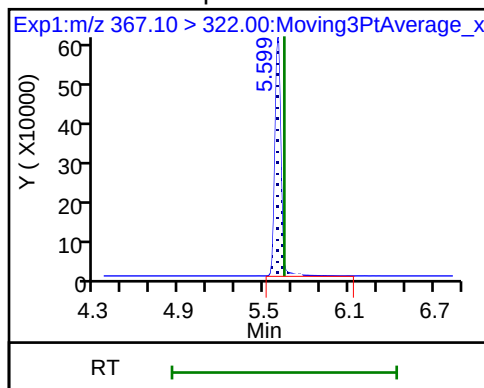
28 PFHpA

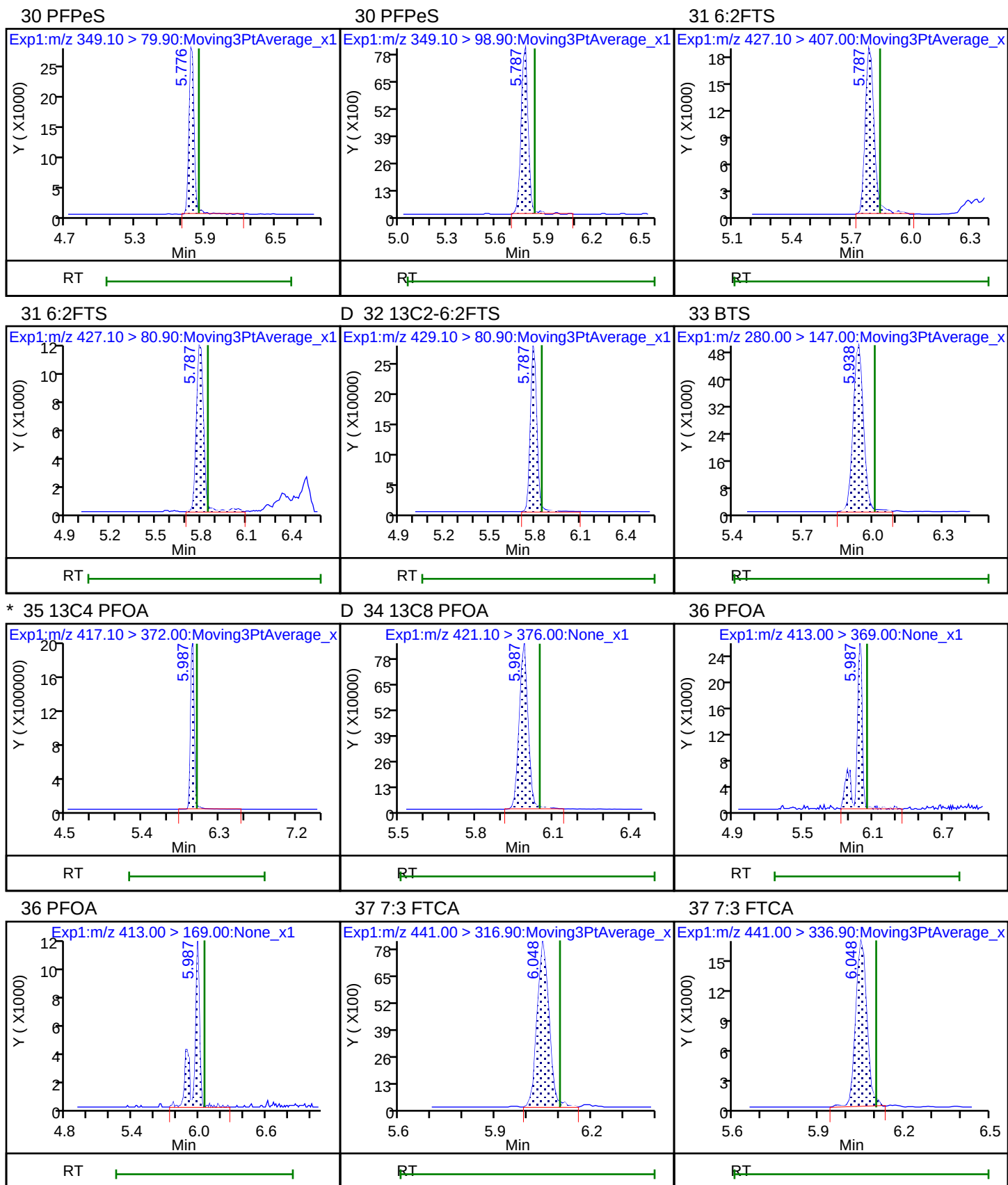


D 27 13C4 PFHpA

29 ADONA

29 ADONA

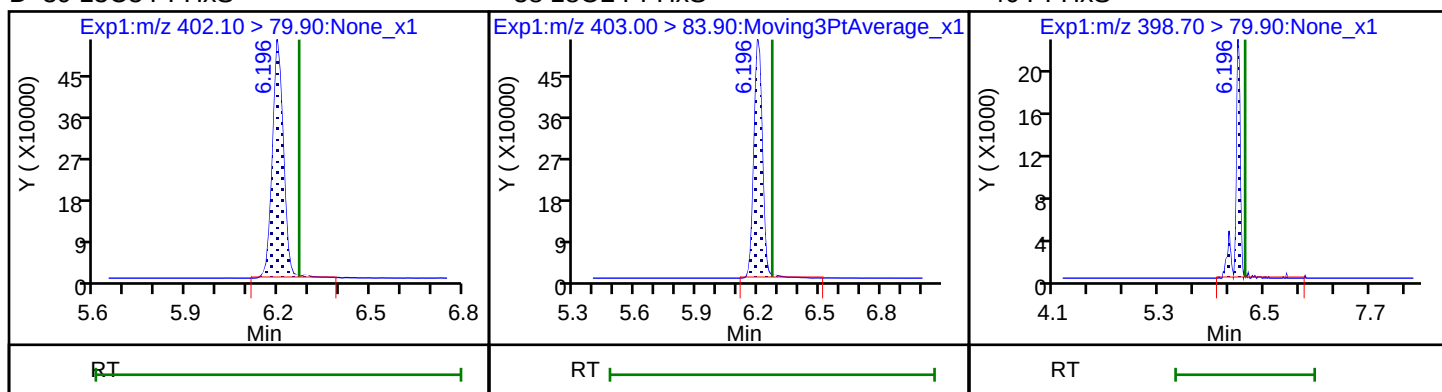




D 39 13C3 PFHxS

* 38 18O2 PFHxS

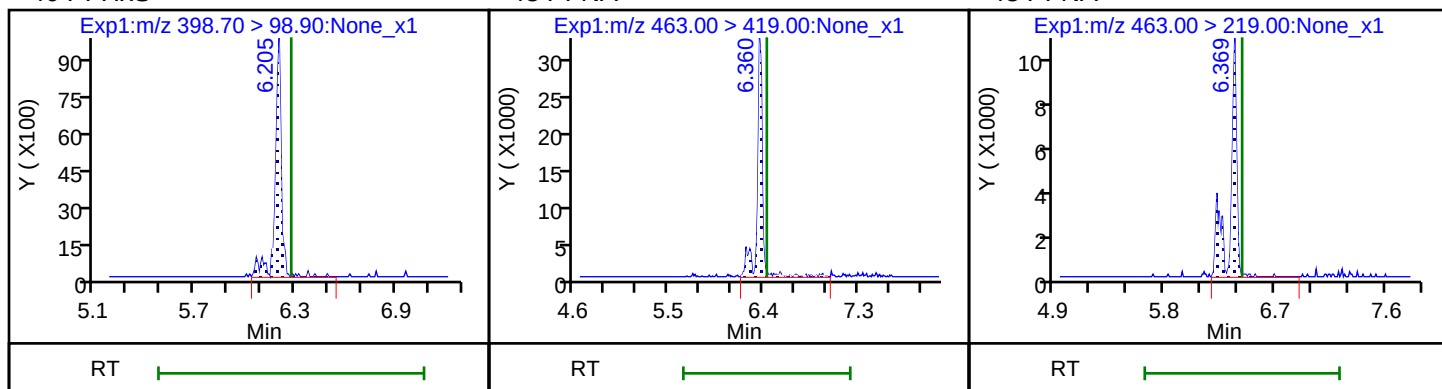
40 PFHxS



40 PFHxS

43 PFNA

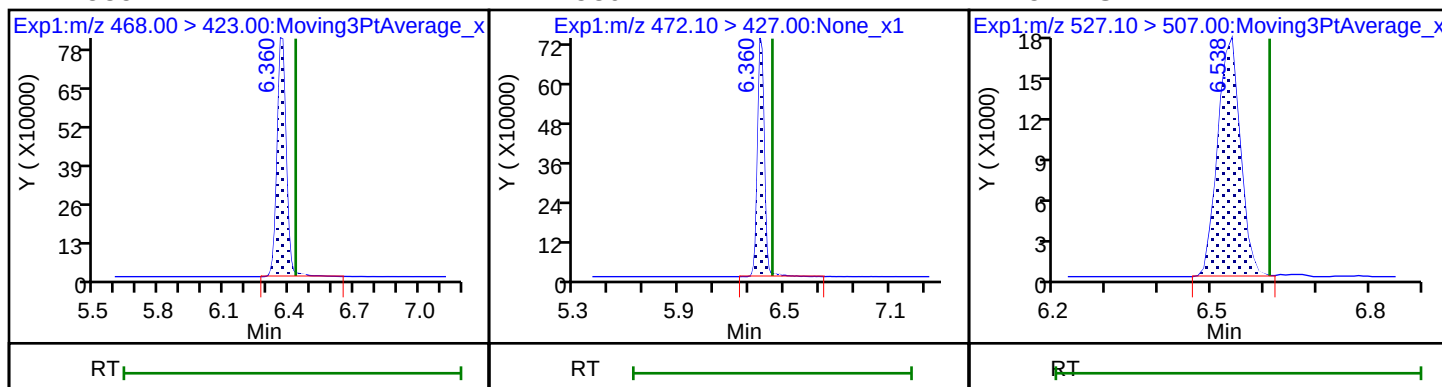
43 PFNA



* 41 13C5 PFNA

D 42 13C9 PFNA

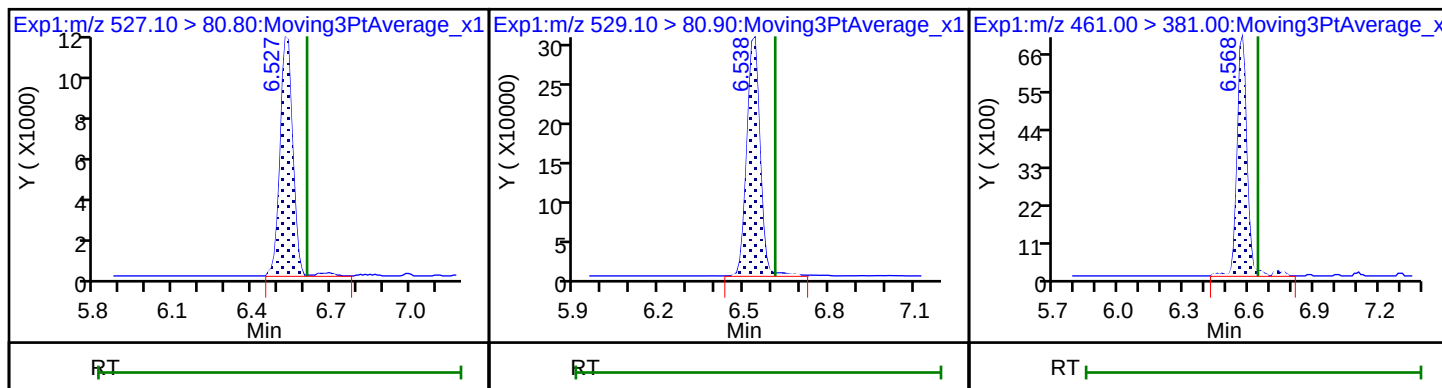
44 8:2FTS

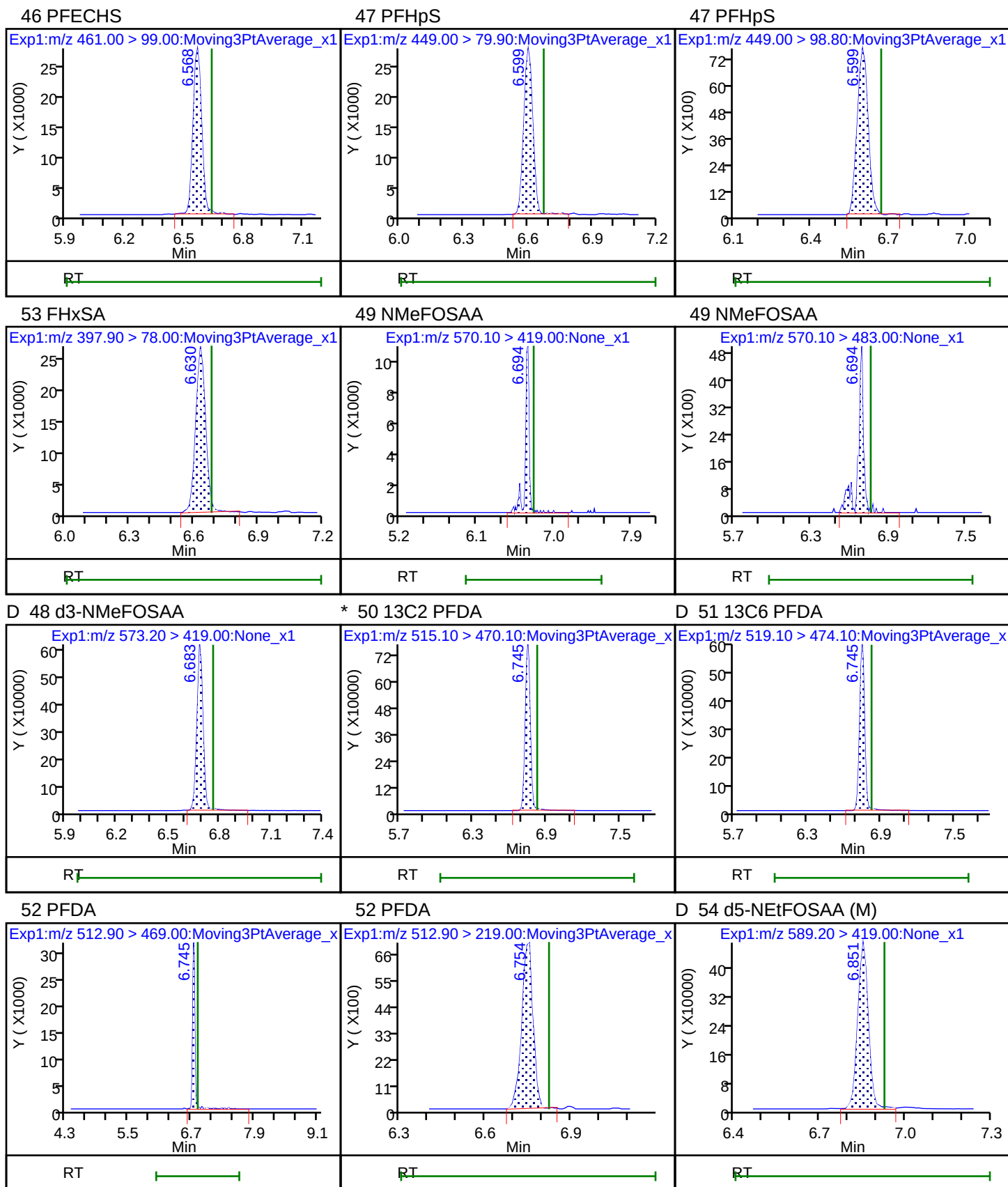


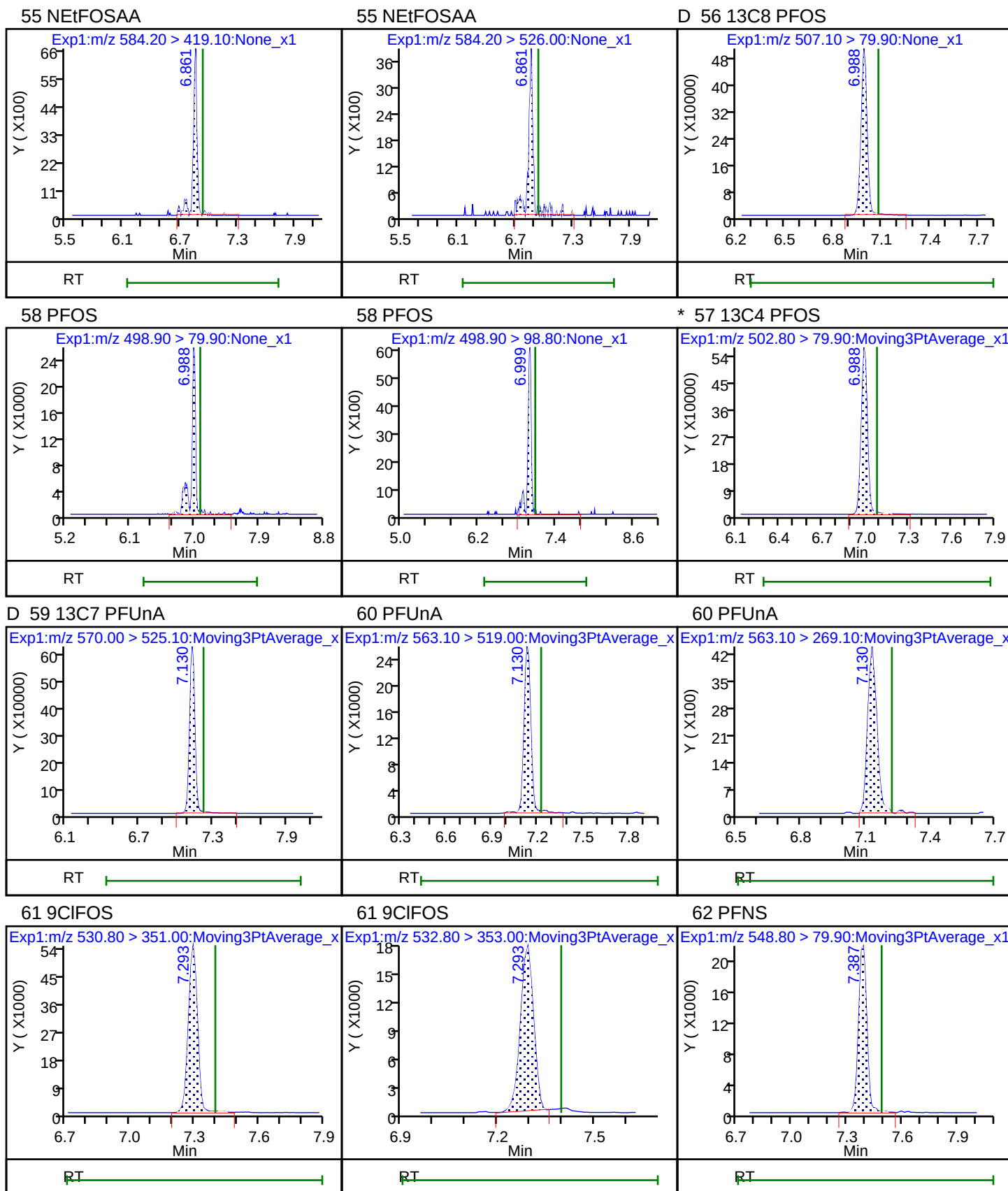
44 8:2FTS

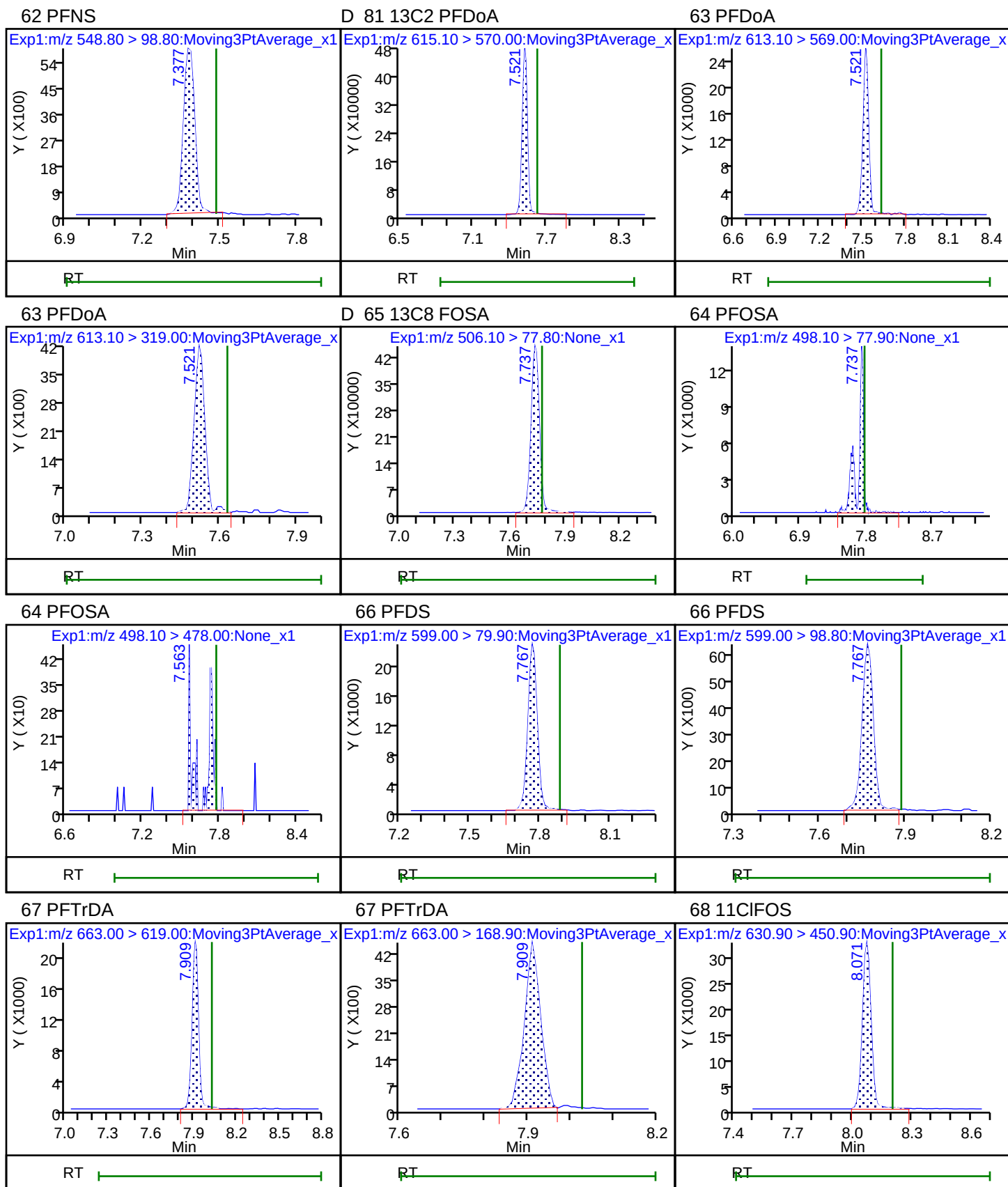
D 45 13C2-8:2FTS

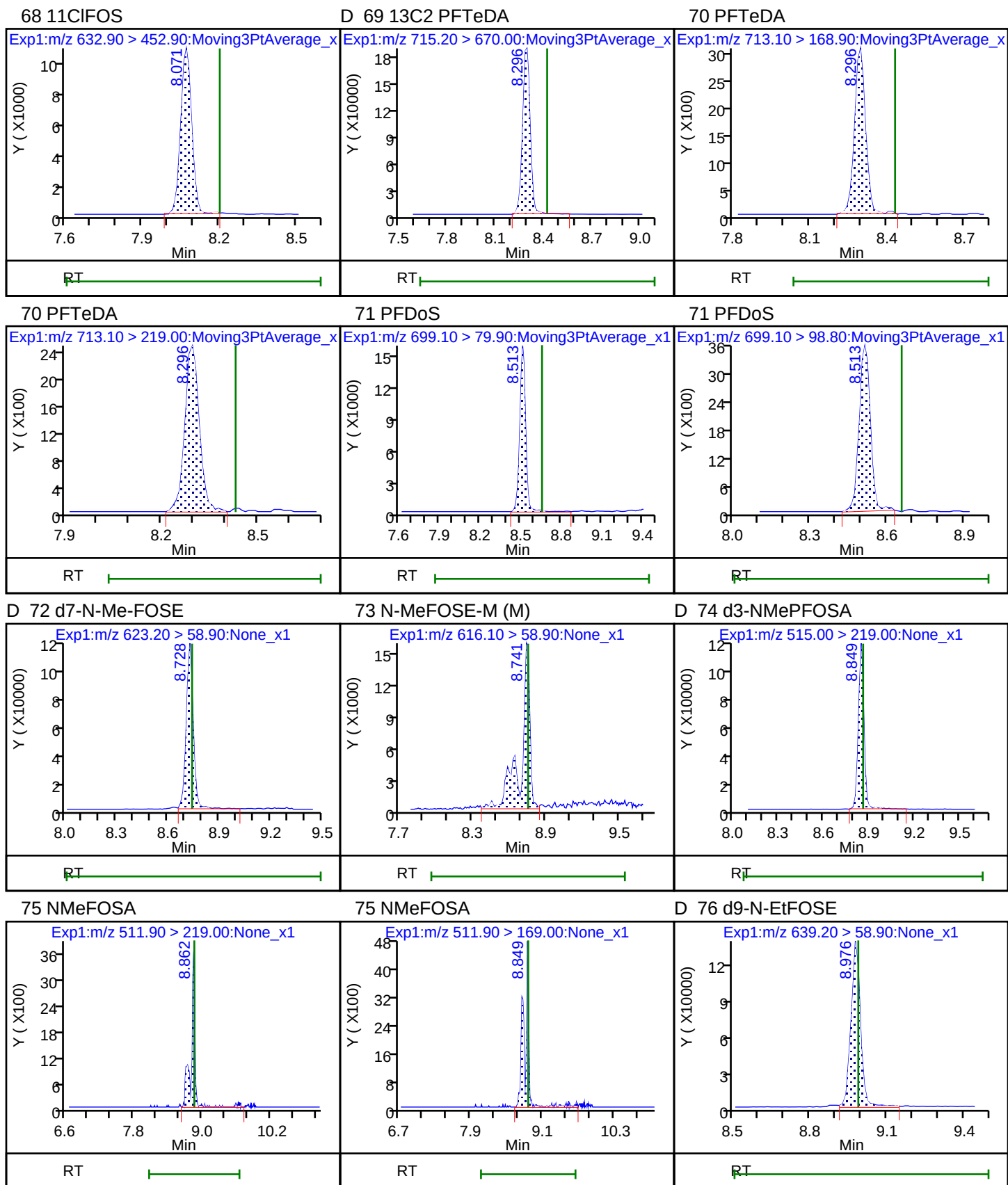
46 PFECHS

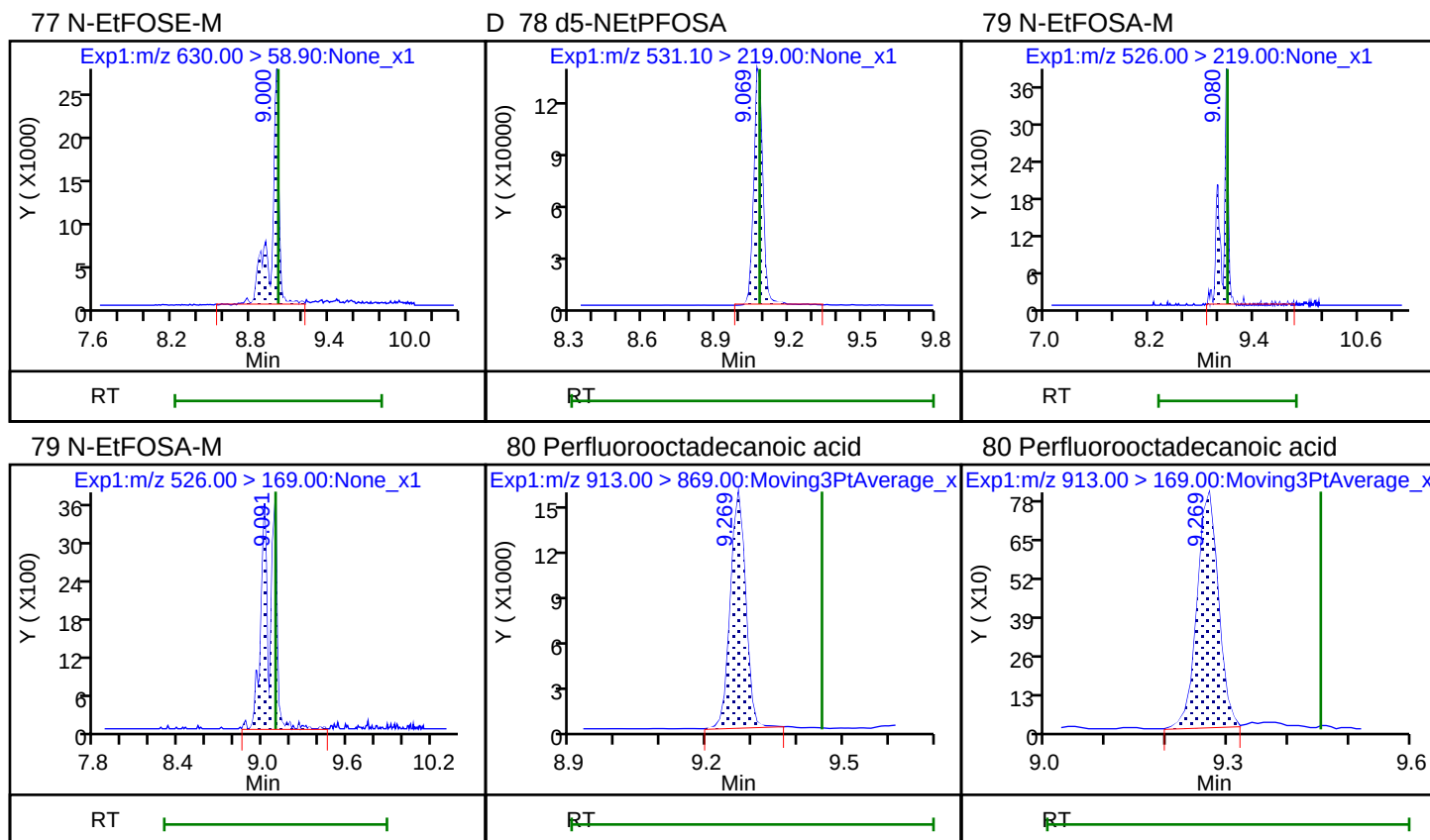












Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\25DEC01E-15.d

Injection Date: 01-Dec-2025 19:10:17

Instrument ID: 30570

Lims ID: LLCS 410-736383/9-A

Client ID:

Operator ID: ETUS023_USR_INS00003

ALS Bottle#:

23

Worklist Smp#: 39

Injection Vol: 7.0 ul

Dil. Factor: 1.0000

Method: 30570-1633-125ml

Limit Group: LC - 1633 LVI- ICAL

Column:

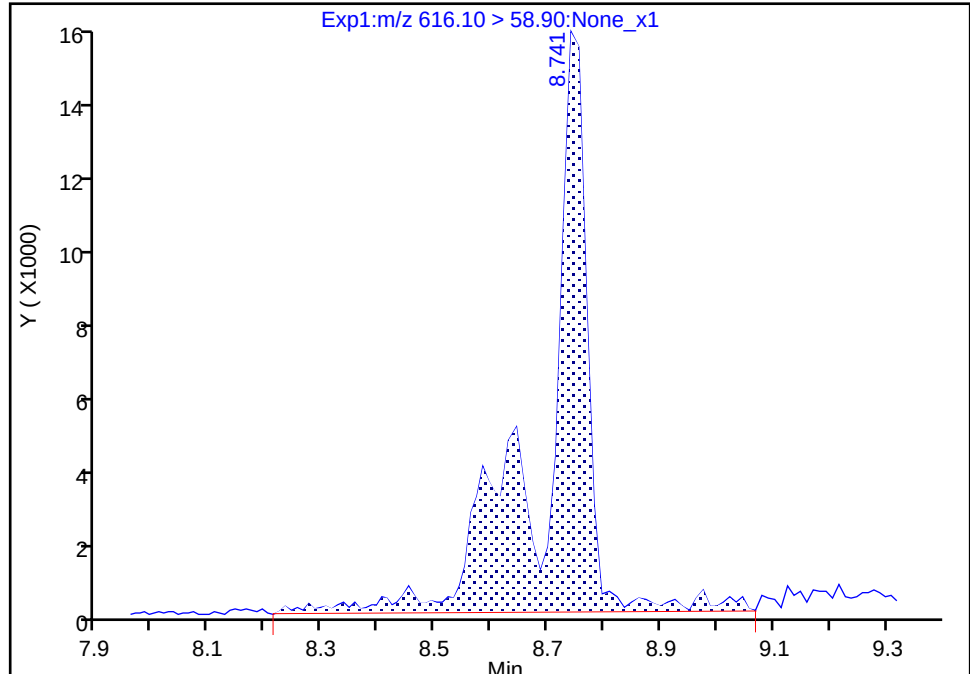
Detector EXP1

73 N-MeFOSE-M, CAS: 24448-09-7

Signal: 1

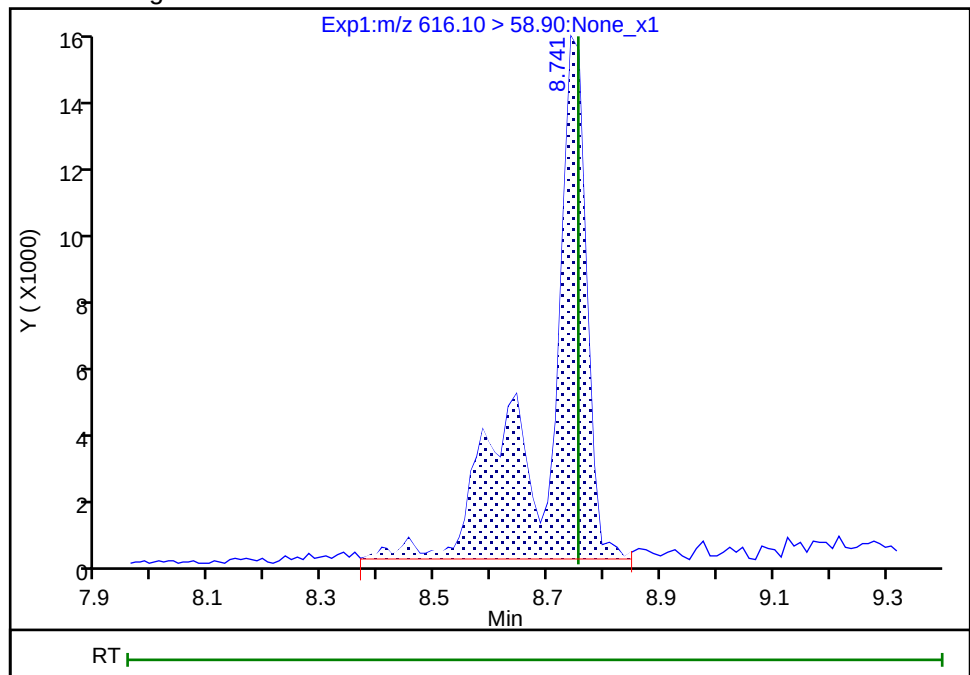
RT: 8.74
Area: 85415
Amount: 0.559969
Amount Units: ng/ml

Processing Integration Results



RT: 8.74
Area: 78970
Amount: 0.517717
Amount Units: ng/ml

Manual Integration Results



Reviewer: MC7V, 02-Dec-2025 07:25:00 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC

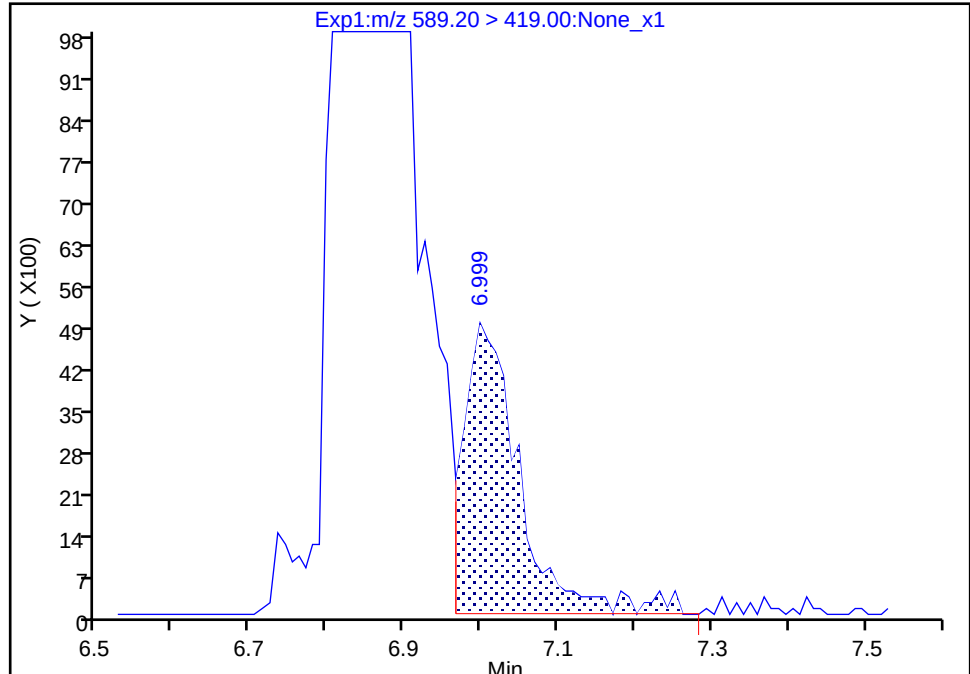
Data File: \\chromfs\Lancaster\ChromData\30570\20251201-168432.b\25DEC01E-15.d
Injection Date: 01-Dec-2025 19:10:17 Instrument ID: 30570
Lims ID: LLCS 410-736383/9-A
Client ID:
Operator ID: ETUS023_USR_INS00003 ALS Bottle#: 23 Worklist Smp#: 39
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Method: 30570-1633-125ml Limit Group: LC - 1633 LVI- ICAL
Column: Detector EXP1

D 54 d5-NEtFOSAA, CAS: STL02117

Signal: 1

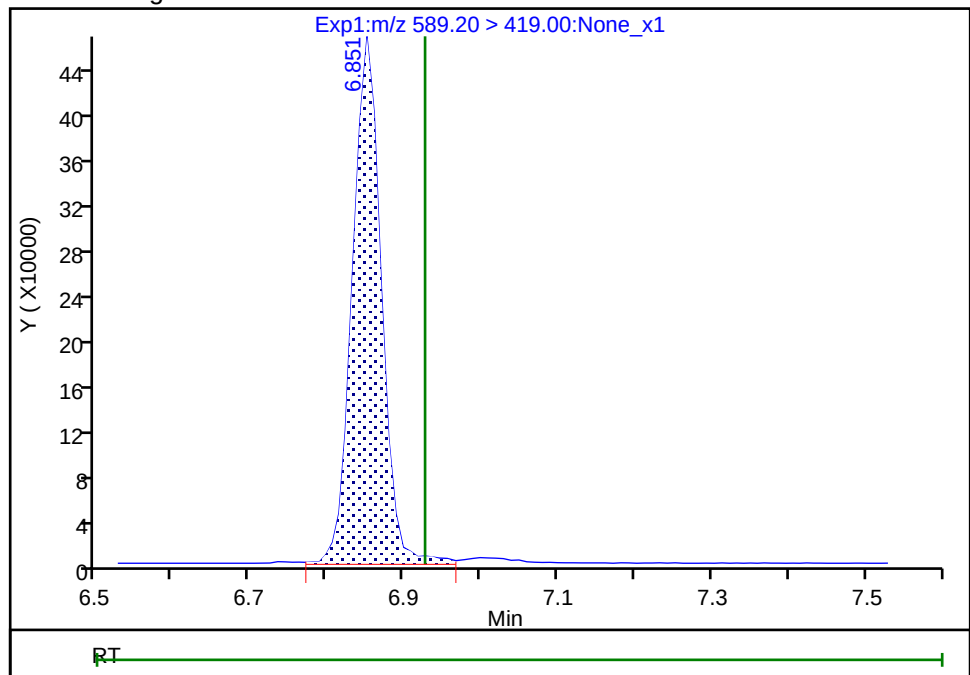
RT: 7.00
Area: 24465
Amount: 0.071539
Amount Units: ng/ml

Processing Integration Results



RT: 6.85
Area: 1195693
Amount: 3.496374
Amount Units: ng/ml

Manual Integration Results



Reviewer: MC7V, 02-Dec-2025 07:24:28 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Client Sample ID:

Lab Sample ID: LLCS 410-737578/12-A

Matrix: Water

Lab File ID: 25DEC04JO-18.d

Analysis Method: 1633

Date Collected:

Extraction Method: 1633

Date Extracted: 12/02/2025 09:22

Sample wt/vol: 125 (mL)

Date Analyzed: 12/04/2025 22:24

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.: 739075

Units: ng/L

Preparation Batch No.: 737578

Instrument ID: 30577

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid	7.71		4.0	1.1
2706-90-3	Perfluoropentanoic acid	3.78		2.0	0.60
307-24-4	Perfluorohexanoic acid	3.64		2.0	0.50
375-85-9	Perfluoroheptanoic acid	3.25		2.0	0.80
335-67-1	Perfluorooctanoic acid	3.75		2.0	0.90
375-95-1	Perfluorononanoic acid	3.91		2.0	0.50
335-76-2	Perfluorodecanoic acid	3.35		2.0	0.50
2058-94-8	Perfluoroundecanoic acid	4.01		2.0	0.50
307-55-1	Perfluorododecanoic acid	3.64		2.0	0.50
72629-94-8	Perfluorotridecanoic acid	3.46		2.0	0.50
376-06-7	Perfluorotetradecanoic acid	3.69		2.0	0.50
375-73-5	Perfluorobutanesulfonic acid	3.13		2.0	0.50
2706-91-4	Perfluoropentanesulfonic acid	3.38		2.0	0.50
355-46-4	Perfluorohexanesulfonic acid	3.21		2.0	0.80
375-92-8	Perfluoroheptanesulfonic acid	3.95		2.0	0.50
1763-23-1	Perfluorooctanesulfonic acid	3.33		2.0	1.3
68259-12-1	Perfluorononanesulfonic acid	3.67		2.0	0.50
335-77-3	Perfluorodecanesulfonic acid	3.38		2.0	0.50
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	2.74		2.0	0.60
757124-72-4	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	7.23		4.0	1.0
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	7.62		4.0	1.0
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	6.71		4.0	1.0
754-91-6	Perfluorooctanesulfonamide	4.05		2.0	0.50
31506-32-8	NMeFOSA	3.88		2.0	0.50
4151-50-2	N-ethylperfluoro-1-octanesulfonamide	4.13		2.0	0.50
2355-31-9	NMeFOSAA	3.56		2.0	0.50
2991-50-6	NEtFOSAA	3.27		2.0	0.50

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-254628-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LLCS 410-737578/12-A

Matrix: Water Lab File ID: 25DEC04JO-18.d

Analysis Method: 1633 Date Collected: _____

Extraction Method: 1633 Date Extracted: 12/02/2025 09:22

Sample wt/vol: 125 (mL) Date Analyzed: 12/04/2025 22:24

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.: 739075 Units: ng/L

Preparation Batch No.: 737578 Instrument ID: 30577

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
24448-09-7	2-(N-methylperfluoro-1-octanesulfonamido) ethanol	18.5		10	2.5
1691-99-2	2-(N-ethylperfluoro-1-octanesulfonamido) ethanol	16.4		10	4.0
13252-13-6	HFPO-DA	2.99		2.0	1.4
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.93		2.0	0.50
377-73-1	Perfluoro-3-methoxypropanoic acid	4.12		2.0	0.50
863090-89-5	Perfluoro(4-methoxybutanoic acid)	3.74		2.0	0.50
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid	4.16		2.0	0.50
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	3.90		2.0	0.50
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	3.32		2.0	0.50
113507-82-7	PFESA	3.61		2.0	0.50
356-02-5	3:3 FTCA	7.30		4.0	1.0
914637-49-3	5:3 FTCA	17.1		10	2.8
812-70-4	7:3 FTCA	15.7		10	2.5

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-254628-1

SDG No.:

Client Sample ID:

Lab Sample ID: LLCS 410-737578/12-A

Matrix: Water

Lab File ID: 25DEC04JO-18.d

Analysis Method: 1633

Date Collected:

Extraction Method: 1633

Date Extracted: 12/02/2025 09:22

Sample wt/vol: 125 (mL)

Date Analyzed: 12/04/2025 22:24

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.: 739075

Units: ng/L

Preparation Batch No.: 737578

Instrument ID: 30577

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00992	13C4 PFBA	85.7		5-130
STL01893	13C5 PFPeA	90.5		40-130
STL02577	13C5 PFHxA	93.4		40-130
STL01892	13C4 PFHpA	104		40-130
STL01052	13C8 PFOA	95.0		40-130
STL02578	13C9 PFNA	90.8		40-130
STL02579	13C6 PFDA	86.3		40-130
STL02580	13C7 PFUnA	84.7		30-130
STL02116	13C2 PFTeDA	65.6		10-130
STL02337	13C3 PFBS	91.0		40-135
STL02581	13C3 PFHxS	93.4		40-130
STL01054	13C8 PFOS	89.3		40-130
STL01056	13C8 FOSA	84.1		40-130
STL02118	d3-NMeFOSAA	89.8		40-170
STL02117	d5-NEtFOSAA	87.4		25-135
STL02395	M2-4:2 FTS	99.9		40-200
STL02279	M2-6:2 FTS	95.0		40-200
STL02280	M2-8:2 FTS	95.5		40-300
STL02255	13C3 HFPO-DA	96.4		40-130
STL02277	d7-N-MeFOSE-M	59.6		10-130
STL02278	d9-N-EtFOSE-M	56.0		10-130
STL02704	d5-NEtPFOSA	63.4		10-130
STL02705	d3-NMePFOSA	68.5		10-130
960315-52-0	13C2 PFDoA	80.4		10-130

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\30577\20251204-168875.b\25DEC04JO-18.d
 Lims ID: LLCS 410-737578/12-A
 Client ID:
 Sample Type: LLCS
 Inject. Date: 04-Dec-2025 22:24:49 ALS Bottle#: 28 Worklist Smp#: 22
 Injection Vol: 7.0 ul Dil. Factor: 1.0000
 Sample Info: LLCS 410-737578/12-A
 Misc. Info.: Plate: 1 Rack: 1 410-0168875-022
 Operator ID: ETUS023_USR_INS00009 Instrument ID: 30577
 Method: \\chromfs\Lancaster\ChromData\30577\20251204-168875.b\30577-1633-125.m
 Limit Group: LC - 1633 LVI- ICAL
 Last Update: 04-Dec-2025 21:36:42 Calib Date: 03-Dec-2025 17:33:28
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\30577\20251203-168744.b\25DEC03CAL-08.d
 Column 1 : Det: EXP1
 Process Host: CTX1687

First Level Reviewer: XBL5

Date: 04-Dec-2025 23:34:25

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	1.989	2.039	-0.050	0.481	1162767	1.72		86.1	1213	
2 Perfluoropropionic acid										
163.00 > 119.00	1.981	2.056	-0.075	0.996	271104	0.4877		97.5	807	
3 PFBA										
212.80 > 168.90	4.138	4.132	0.006	1.000	156963	0.1927		96.4	1352	
D 4 13C4-PFBA										
216.80 > 171.90	4.138	4.132	0.006	1.000	1755838	1.71		85.7	5082	
* 5 13C3PFBA										
216.00 > 172.00	4.138	4.138	0.0		1951550	2.00			4350	
6 PFMPA										
229.00 > 84.90	4.491	4.475	0.016	0.931	82492	0.1030		103	989	
7 3:3 FTCA										
241.00 > 177.00	4.508	4.499	0.009	0.934	6742	0.1824	Target=1.11	91.2	150	
241.00 > 117.00	4.508	4.499	0.009	0.934	7401		0.91(0.56-1.67)		62.8	
9 PFPA										
263.00 > 219.00	4.824	4.817	0.007	1.000	96541	0.0945		94.5	103	
D 8 13C5 PFPeA										
268.30 > 223.00	4.824	4.817	0.007	0.914	1010476	1.81		90.5	5132	
10 PFMBBA										
279.00 > 85.10	4.971	4.963	0.008	1.030	97871	0.0936		93.6	710	
12 4:2FTS										
327.10 > 307.00	5.095	5.085	0.010	1.000	82388	0.1807	Target=1.70	96.3	599	
327.10 > 80.90	5.106	5.085	0.021	1.002	45644		1.81(0.85-2.55)		52.6	
D 11 13C2-4:2FTS										
329.10 > 80.90	5.095	5.085	0.010	0.807	1156354	4.69		99.9	5528	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
14 NFDHA										
295.00 > 201.00	5.240	5.229	0.011	0.993	33183	0.1040	Target=1.56	104	163	
295.00 > 84.90	5.240	5.229	0.011	0.993	18278		1.82(0.78-2.34)		113	
D 15 13C5 PFHxA										
318.00 > 273.00	5.278	5.270	0.008	1.000	2176955	1.87		93.4	6121	
* 16 13C2 PFHxA										
315.10 > 270.00	5.278	5.270	0.008		5164879	5.00			8329	
17 PFHxA										
313.00 > 269.00	5.278	5.270	0.008	1.000	82179	0.0909	Target=10.34	90.9	392	
313.00 > 118.90	5.278	5.270	0.008	1.000	7882		10.43(5.17-15.52)		118	
18 5:3 FTCA										
341.00 > 237.10	5.368	5.358	0.010	1.017	47458	0.4270	Target=0.69	85.4	173	
341.00 > 217.00	5.368	5.358	0.010	1.017	63161		0.75(0.35-1.04)		56.2	
D 19 13C3 PFBS										
302.10 > 79.90	5.399	5.400	-0.001	0.855	2262323	1.70		91.0	6947	
20 PFBS										
298.70 > 79.90	5.409	5.400	0.009	1.002	98183	0.0783	Target=2.94	88.1	413	
298.70 > 98.80	5.399	5.400	-0.001	1.000	36347		2.70(1.47-4.41)		217	
D 22 13C3 HFPO-DA										
286.90 > 168.90	5.464	5.454	0.010	1.035	1713299	1.93		96.4	5959	
23 HFPO-DA										
284.90 > 168.90	5.464	5.454	0.010	1.000	66320	0.0748	Target=2.33	99.7	424	
284.90 > 184.90	5.464	5.454	0.010	1.000	24183		2.74(1.16-3.49)		176	
21 FBSA										
297.90 > 78.00	5.475	5.487	-0.012	1.014	85064	0.0990		99.0	325	
26 PFEESA										
314.80 > 134.90	5.639	5.640	-0.001	1.068	291626	0.0902	Target=13.08	101	1342	
314.80 > 82.90	5.650	5.640	0.010	1.070	23088		12.63(6.54-19.62)		120	
D 28 13C4 PFHpA										
367.10 > 322.00	5.695	5.684	0.011	1.079	2560538	2.09		104	8152	
27 PFHpA										
363.10 > 319.00	5.695	5.684	0.011	1.000	77593	0.0813	Target=1.78	81.3	263	
363.10 > 169.00	5.695	5.684	0.011	1.000	43075		1.80(0.89-2.67)		173	
29 ADONA										
376.90 > 250.90	5.853	5.842	0.011	1.071	281209	0.0982	Target=2.07	104	1524	
376.90 > 84.80	5.853	5.842	0.011	1.071	113699		2.47(1.04-3.11)		649	
30 PFPeS										
349.10 > 79.90	5.886	5.876	0.010	0.932	100793	0.0845	Target=3.11	89.9	327	
349.10 > 98.90	5.886	5.876	0.010	0.932	34181		2.95(1.56-4.67)		167	
D 32 13C2-6:2FTS										
429.10 > 80.90	5.897	5.887	0.010	0.934	969774	4.52		95.0	2933	
31 6:2FTS										
427.10 > 407.00	5.897	5.887	0.010	1.000	70566	0.1905	Target=1.69	100	20.0	
427.10 > 80.90	5.897	5.887	0.010	1.000	42699		1.65(0.85-2.54)		24.6	
33 BTS										
280.00 > 147.00	6.034	6.024	0.010	0.956	243596	0.0883		90.2	1120	
* 34 13C4 PFOA										
417.10 > 372.00	6.102	6.093	0.009		8042945	5.00			4681	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 35 13C8 PFOA										
421.10 > 376.00	6.102	6.093	0.009	1.000	3137231	1.90		95.0	6761	
36 PFOA										
413.00 > 369.00	6.102	6.093	0.009	1.000	84532	0.0937	Target=1.59	93.7	117	
413.00 > 169.00	6.093	6.093	0.0	0.999	45737		1.85(0.80-2.39)		39.6	
37 7:3 FTCA										
441.00 > 316.90	6.194	6.204	-0.010	1.173	21868	0.3935	Target=0.30	78.7	113	
441.00 > 336.90	6.194	6.204	-0.010	1.173	89305		0.24(0.15-0.45)		362	
D 38 13C3 PFHxS										
402.10 > 79.90	6.314	6.306	0.008	1.000	1922515	1.77		93.4	7481	
40 PFHxS										
398.70 > 79.90	6.314	6.315	-0.001	1.000	81635	0.0802	Target=3.25	87.9	136	
398.70 > 98.90	6.314	6.315	-0.001	1.000	26587		3.07(1.63-4.88)		36.8	
* 39 18O2 PFHxS										
403.00 > 83.90	6.314	6.315	-0.001		2055586	1.90			10245	
* 42 13C5 PFNA										
468.00 > 423.00	6.499	6.488	0.011		2933314	2.00			8635	
D 41 13C9 PFNA										
472.10 > 427.00	6.499	6.488	0.011	1.000	2607396	1.82		90.8	4299	
43 PFNA										
463.00 > 419.00	6.499	6.499	0.0	1.000	103708	0.0979	Target=1.99	97.9	97.8	
463.00 > 219.00	6.510	6.499	0.011	1.002	49906		2.08(1.00-2.99)		71.9	
D 44 13C2-8:2FTS										
529.10 > 80.90	6.676	6.676	0.0	1.057	919431	4.59		95.5	3401	
45 8:2FTS										
527.10 > 507.00	6.676	6.676	0.0	1.000	55111	0.1678	Target=1.75	87.4	189	
527.10 > 80.80	6.676	6.676	0.0	1.000	31644		1.74(0.88-2.63)		129	
46 PFECHS										
461.00 > 381.00	6.706	6.705	0.001	1.062	22459	0.0915	Target=0.21	99.1	185	
461.00 > 99.00	6.706	6.705	0.001	1.062	104368		0.22(0.10-0.31)		475	
47 PFHpS										
449.00 > 79.90	6.736	6.735	0.001	0.942	105207	0.0986	Target=3.35	103	471	
449.00 > 98.80	6.745	6.735	0.010	0.944	30109		3.49(1.68-5.03)		156	
D 49 d3-NMeFOSAA										
573.20 > 419.00	6.843	6.843	0.0	0.957	1660108	4.49		89.8	2637	
50 NMeFOSAA										
570.10 > 419.00	6.834	6.843	-0.009	0.999	30269	0.0890	Target=1.72	89.0	8.7	
570.10 > 483.00	6.843	6.843	0.0	1.000	19783		1.53(0.86-2.58)		51.2	
48 FHxSA										
397.90 > 78.00	6.890	6.890	0.0	1.091	106488	0.0844		84.4	543	
D 52 13C6 PFDA										
519.10 > 474.10	6.899	6.899	0.0	1.000	2595825	1.73		86.3	7310	
* 51 13C2 PFDA										
515.10 > 470.10	6.899	6.899	0.0		2949017	2.00			9316	
53 PFDA										
512.90 > 469.00	6.899	6.899	0.0	1.000	65419	0.0837	Target=2.79	83.7	227	
512.90 > 219.00	6.890	6.899	-0.009	0.999	25823		2.53(1.39-4.18)		206	

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	7.016	7.016	0.0	0.981	1427860	4.37		87.4	4162	
55 NEtFOSAA										
584.20 > 419.10	7.035	7.025	0.010	1.003	19575	0.0817	Target=1.36	81.7	38.6	
584.20 > 526.00	7.016	7.025	-0.009	1.000	16893		1.16(0.68-2.04)		25.4	
D 56 13C8 PFOS										
507.10 > 79.90	7.148	7.148	0.0	1.000	1518796	1.71		89.3	1474	
58 PFOS										
498.90 > 79.90	7.148	7.148	0.0	1.000	99055	0.0832	Target=4.13	89.4	151	
498.90 > 98.80	7.139	7.148	-0.009	0.999	26451		3.74(2.07-6.20)		59.4	
* 57 13C4 PFOS										
502.80 > 79.90	7.148	7.148	0.0		1695088	1.92			5440	
D 59 13C7 PFUnA										
570.00 > 525.10	7.301	7.301	0.0	1.058	2783922	1.69		84.7	6357	
60 PFUnA										
563.10 > 519.00	7.301	7.301	0.0	1.000	110795	0.1003	Target=6.23	100	437	
563.10 > 269.10	7.301	7.301	0.0	1.000	17599		6.30(3.12-9.35)		136	
61 9ClFOS										
530.80 > 351.00	7.462	7.462	0.0	1.044	229049	0.0974	Target=3.01	104	1539	
532.80 > 353.00	7.462	7.462	0.0	1.044	67448		3.40(1.50-4.51)		386	
62 PFNS										
548.80 > 79.90	7.554	7.554	0.0	1.057	73988	0.0918	Target=3.21	95.4	674	
548.80 > 98.80	7.554	7.554	0.0	1.057	21446		3.45(1.61-4.82)		6155	
63 PFDoA										
613.10 > 569.00	7.706	7.697	0.009		80866	0.0909	Target=4.51	90.9	440	
613.10 > 319.00	7.697	7.697	0.0		17630		4.59(2.25-6.76)		152	
D 81 PFDoA										
615.10 > 570.00	7.697	7.697	0.0	1.116	2420086	1.61		80.4	4285	
66 PFDS										
599.00 > 79.90	7.946	7.946	0.0	1.112	79990	0.0844	Target=3.42	87.6	546	
599.00 > 98.80	7.946	7.946	0.0	1.112	24558		3.26(1.71-5.12)		253	
64 PFOSA										
498.10 > 77.90	7.973	7.955	0.018	1.000	84640	0.1012	Target=43.61	101	267	M
498.10 > 478.00	7.964	7.955	0.009	0.999	2460		34.41(21.80-65.41)		6.5	M
D 65 13C8 FOSA										
506.10 > 77.80	7.973	7.964	0.009	1.115	1747212	1.68		84.1	5521	
67 PFTTrDA										
663.00 > 619.00	8.099	8.099	0.0	0.956	107400	0.0865	Target=7.60	86.5	497	
663.00 > 168.90	8.099	8.099	0.0	0.956	12924		8.31(3.80-11.40)		108	
68 11ClFOS										
630.90 > 450.90	8.250	8.250	0.0	1.154	129611	0.0829	Target=3.18	87.9	1215	
632.90 > 452.90	8.250	8.250	0.0	1.154	42396		3.06(1.59-4.76)		493	
D 70 13C2 PFTeDA										
715.20 > 670.00	8.474	8.474	0.0	1.228	1229038	1.31		65.6	2190	
69 PFTeDA										
713.10 > 168.90	8.474	8.483	-0.009	1.000	10688	0.0922	Target=1.14	92.2	3857	
713.10 > 219.00	8.474	8.483	-0.009	1.000	8962		1.19(0.57-1.70)		112	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
71 PFDoS										
699.10 > 79.90	8.678	8.677	0.001	1.214	54234	0.0684	Target=3.63	70.5	271	
699.10 > 98.80	8.678	8.677	0.001	1.214	14893		3.64(1.81-5.44)		175	
D 72 d7-N-Me-FOSE										
623.20 > 58.90	8.835	8.833	0.002	1.236	225214	2.98		59.6	392	
73 N-MeFOSE-M										
616.10 > 58.90	8.854	8.843	0.011	1.002	57085	0.4624		92.5	66.3	
D 75 d3-NMePFOSA										
515.00 > 219.00	8.942	8.941	0.001	1.251	410073	1.37		68.5	2979	
74 NMeFOSA										
511.90 > 219.00	8.951	8.950	0.001	1.001	19756	0.0969	Target=0.68	96.9	105	
511.90 > 169.00	8.951	8.950	0.001	1.001	31002		0.64(0.34-1.02)		71.9	
D 76 d9-N-EtFOSE										
639.20 > 58.90	9.066	9.065	0.001	1.268	251745	2.80		56.0	531	
77 N-EtFOSE-M										
630.00 > 58.90	9.095	9.079	0.016	1.003	69343	0.4105		82.1	96.8	
D 78 d5-NEtPFOSA										
531.10 > 219.00	9.164	9.163	0.001	1.282	458950	1.27		63.4	1902	
79 N-EtFOSA-M										
526.00 > 219.00	9.178	9.177	0.001	1.001	21699	0.1033	Target=0.84	103	98.1	
526.00 > 169.00	9.164	9.177	-0.013	1.000	23494		0.92(0.42-1.26)		112	
80 Perfluorooctadecanoic acid										
913.00 > 869.00	9.372	9.384	-0.012	1.106	22825	0.0343	Target=15.84	34.3	353	
913.00 > 169.00	9.372	9.384	-0.012	1.106	1538		14.84(7.92-23.77)		64.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

1633_125_IS_V_00511

Amount Added: 50.00

Units: uL

Data File: \\chromfs\Lancaster\ChromData\30577\20251204-168875.b\25DEC04JO-18.d

Injection Date: 04-Dec-2025 22:24:49

Instrument ID: 30577

Lims ID: LLCS 410-737578/12-A

Client ID:

Operator ID: ETUS023_USR_INS00009

ALS Bottle#: 28

Worklist Smp#: 22

Injection Vol: 7.0 ul

Dil. Factor: 1.0000

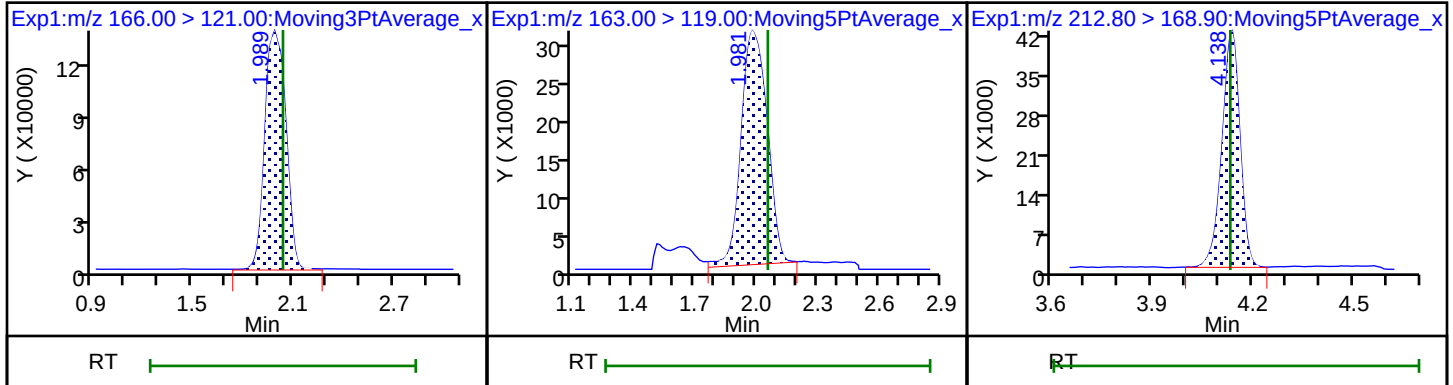
Method: 30577-1633-125

Limit Group: LC - 1633 LVI- ICAL

D 1 13C3PFPrA

2 Perfluoropropionic acid

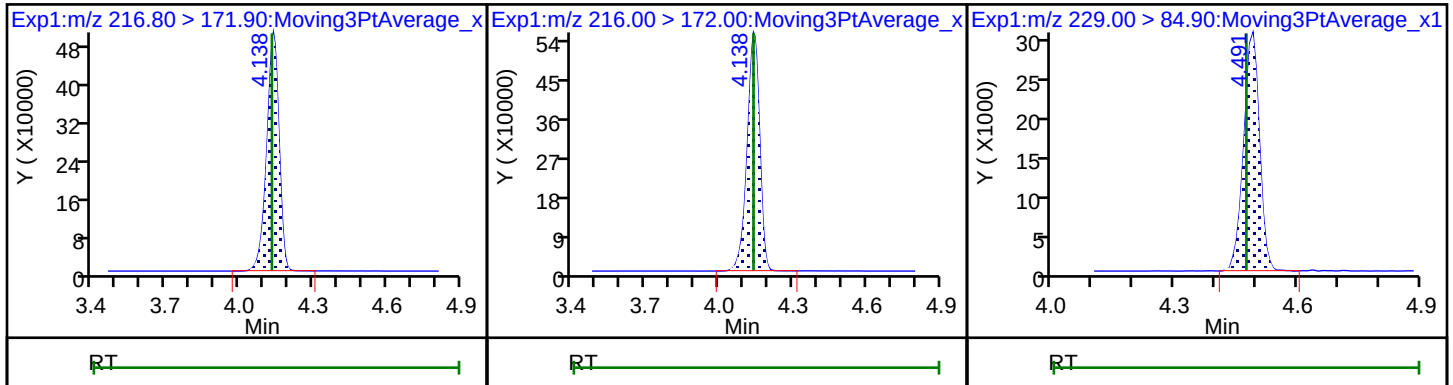
3 PFBA



D 4 13C4-PFBA

* 5 13C3PFBA

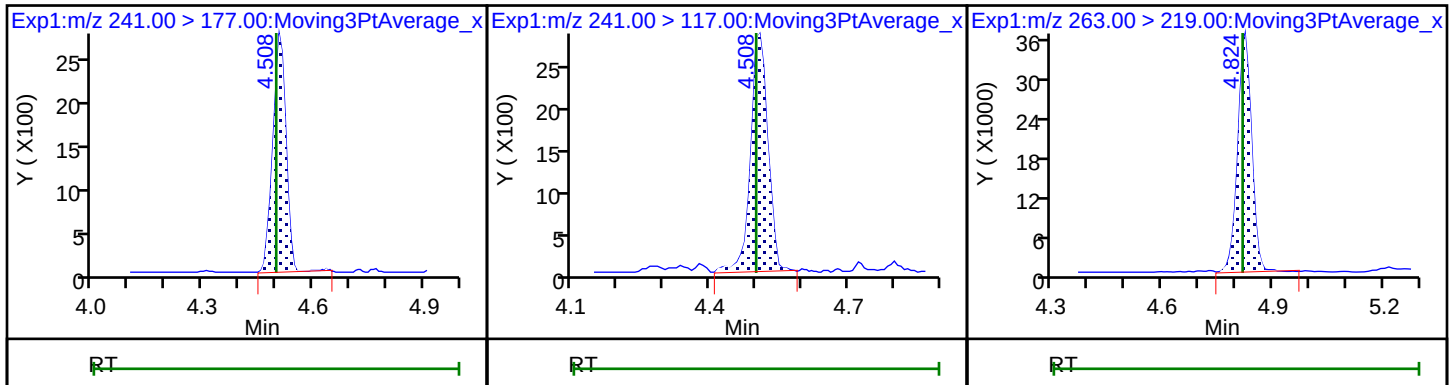
6 PFMPA



7 3:3 FTCA

7 3:3 FTCA

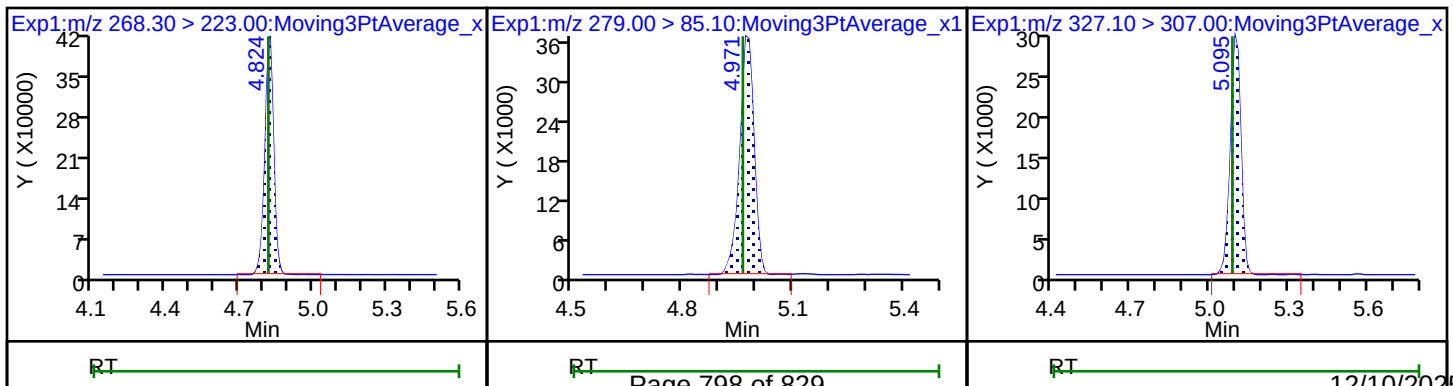
9 PFPA

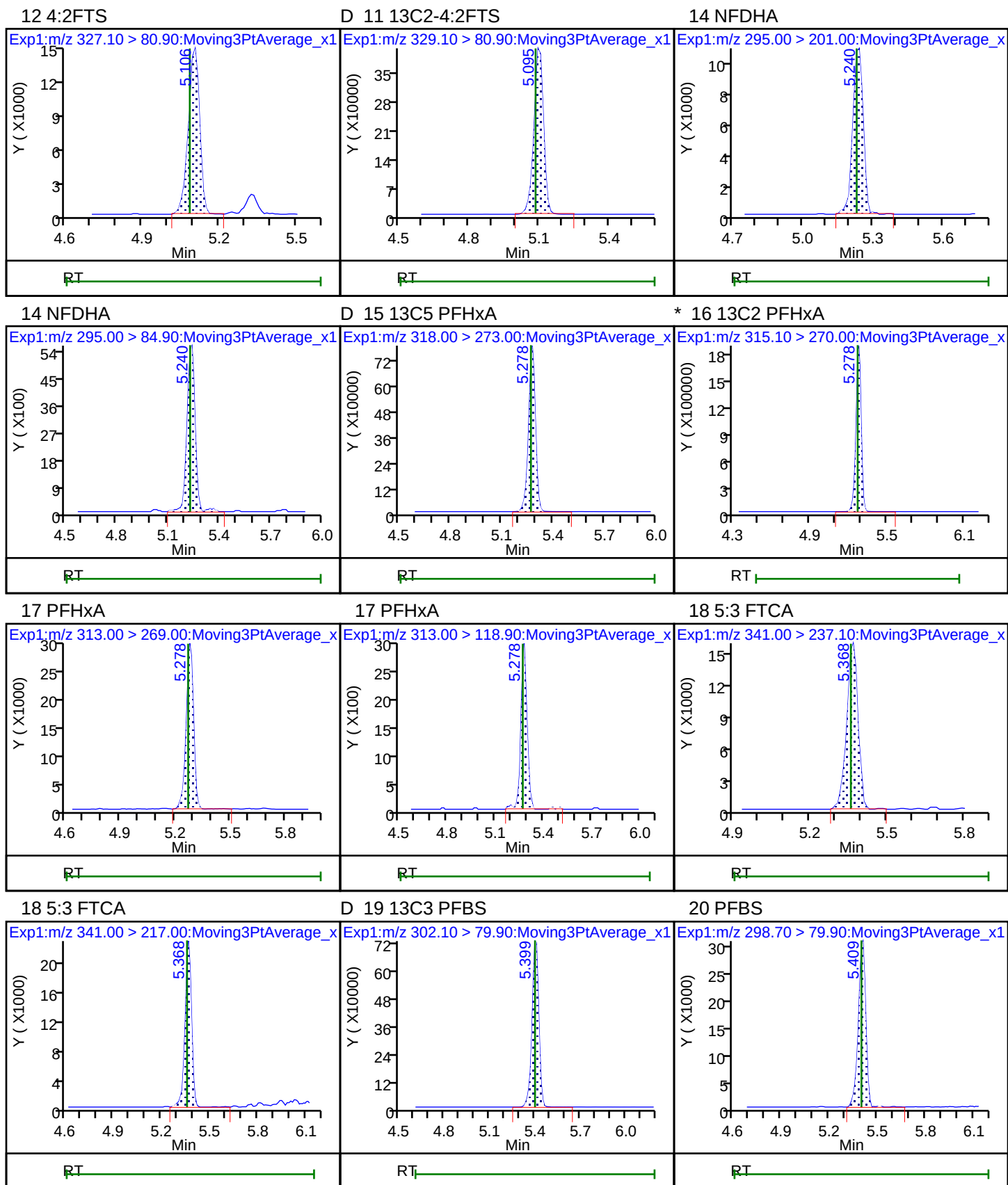


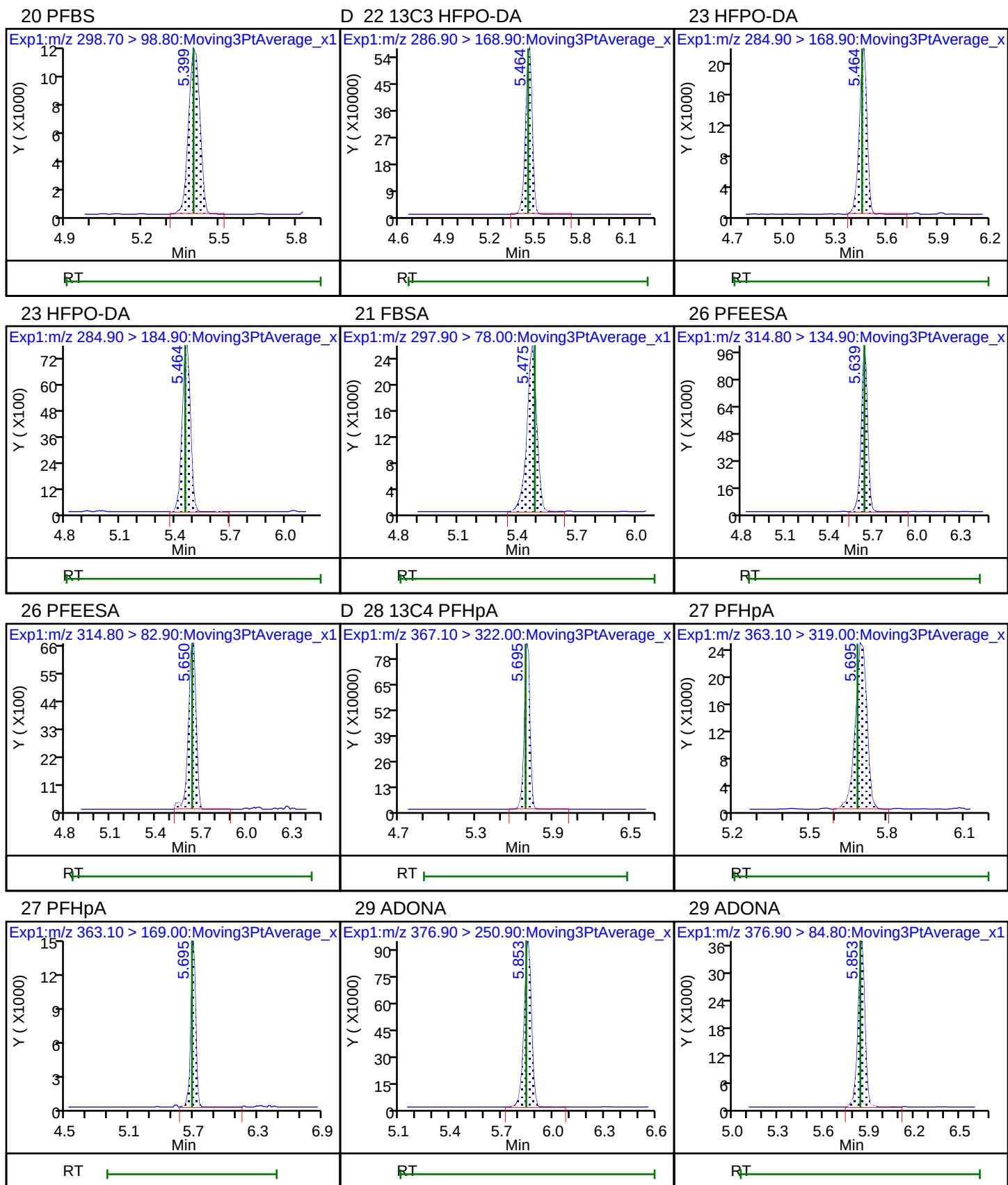
D 8 13C5 PFPeA

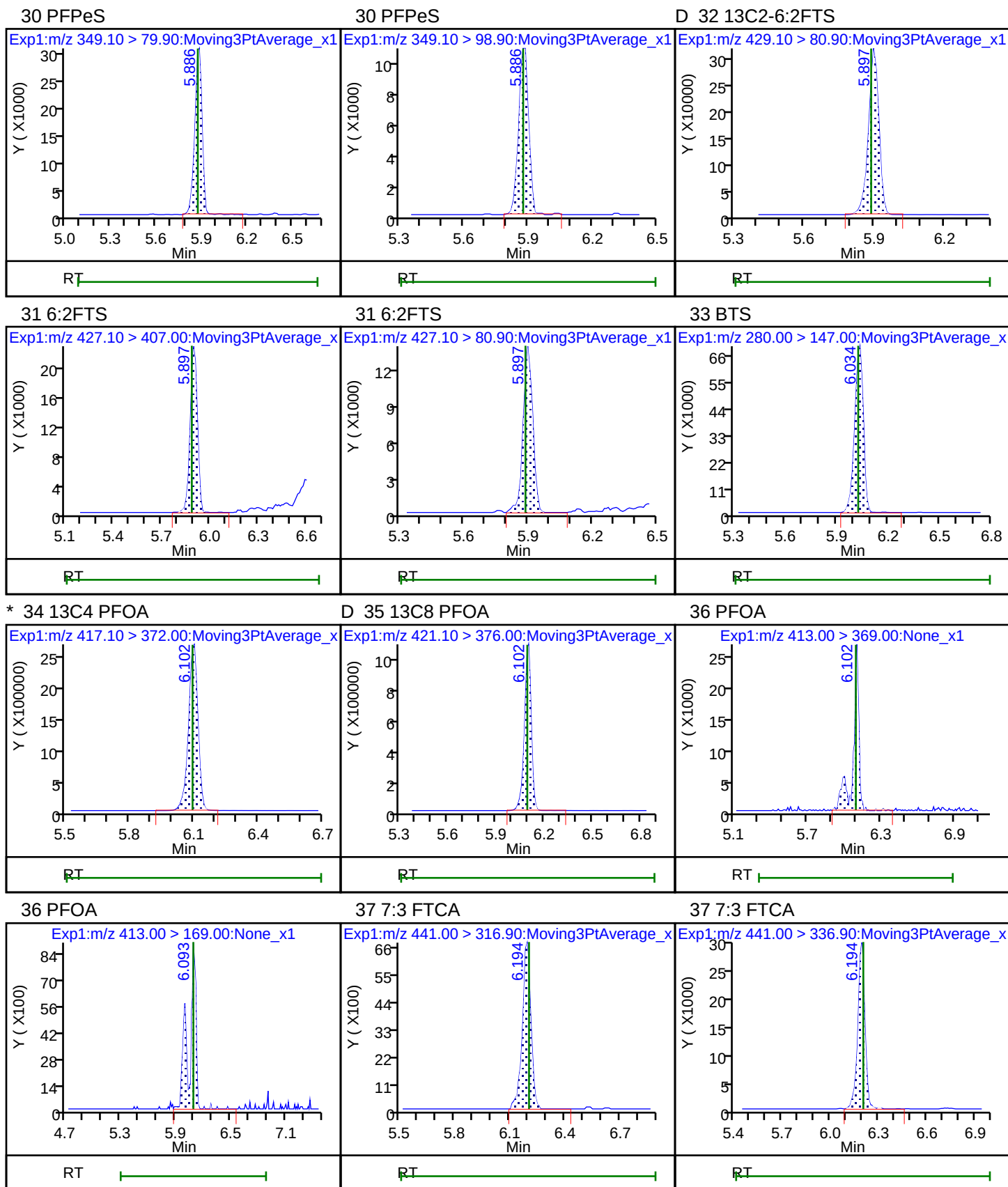
10 PFMB A

12 4:2FTS





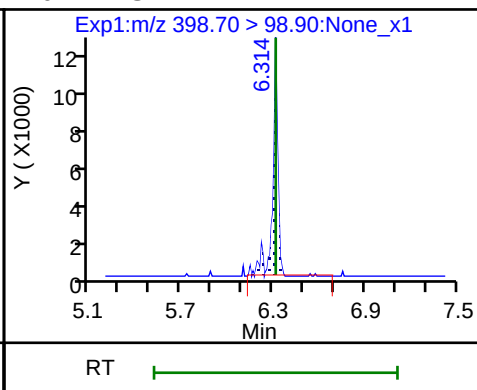
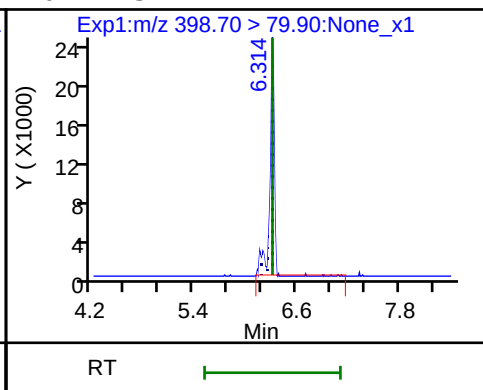
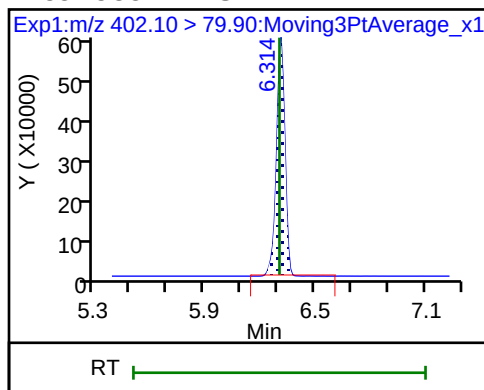




D 38 13C3 PFHxS

40 PFHxS

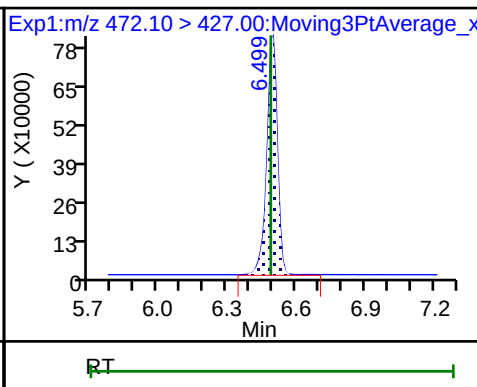
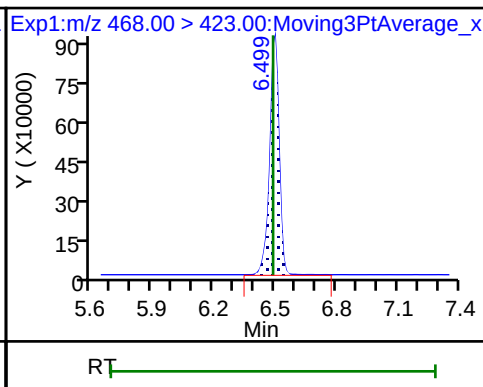
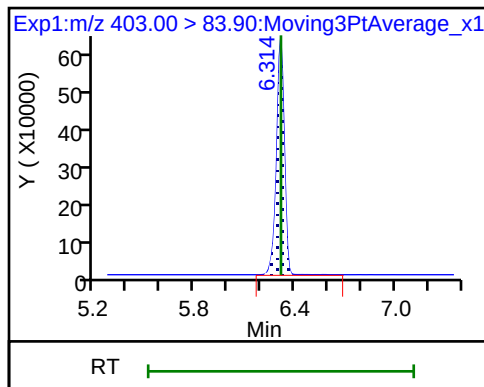
40 PFHxS



* 39 18O2 PFHxS

* 42 13C5 PFNA

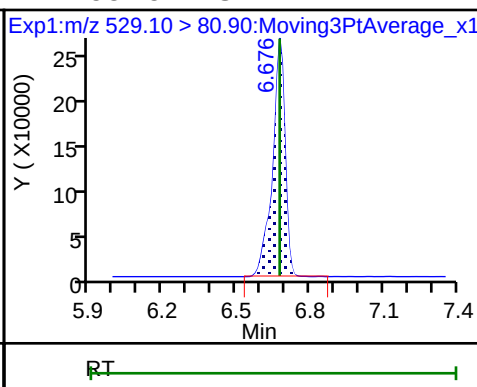
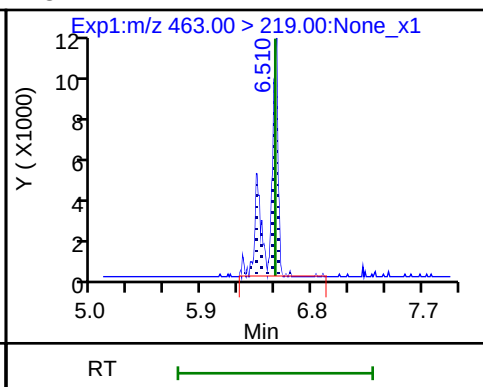
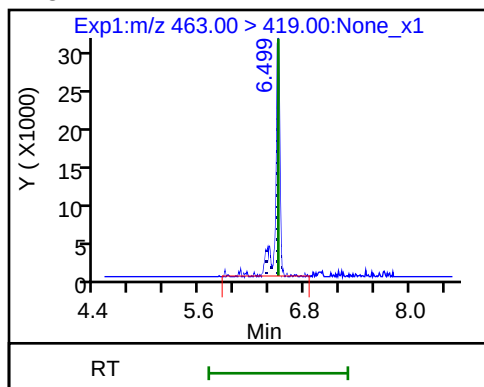
D 41 13C9 PFNA



43 PFNA

43 PFNA

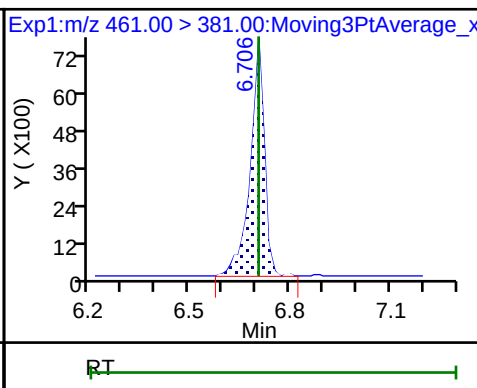
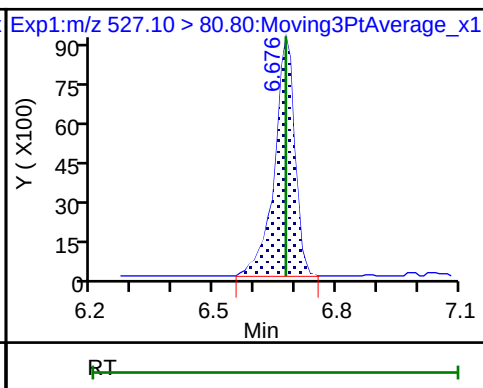
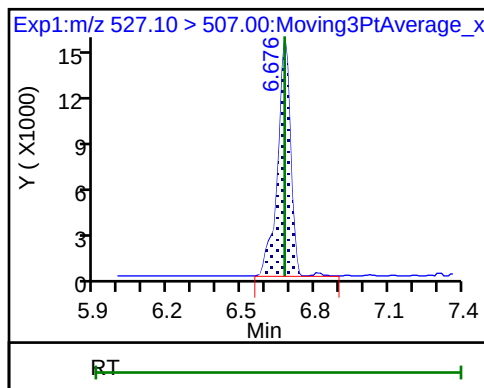
D 44 13C2-8:2FTS



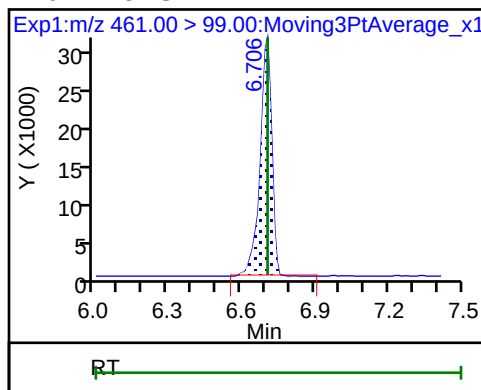
45 8:2FTS

45 8:2FTS

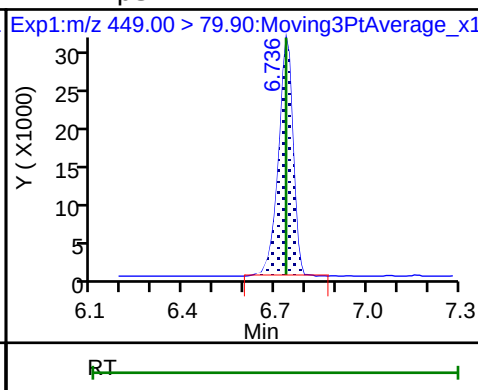
46 PFECHS



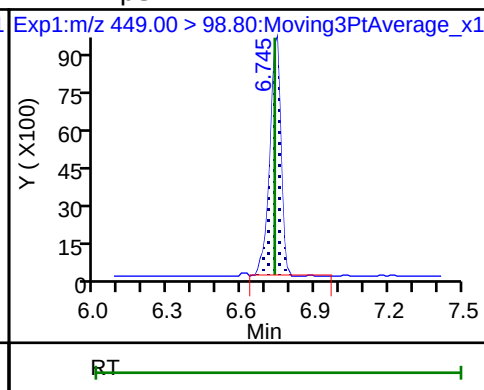
46 PFECHS



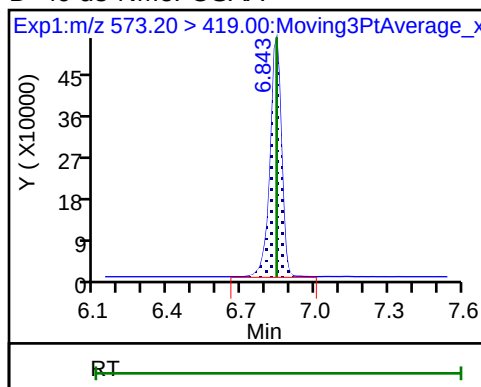
47 PFHpS



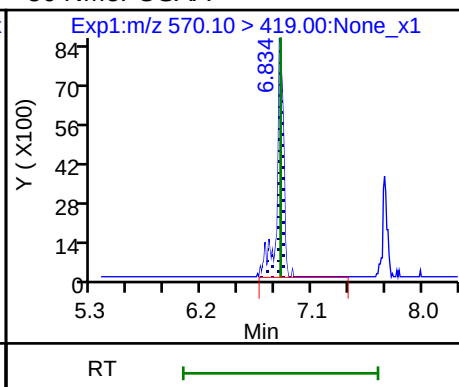
47 PFHpS



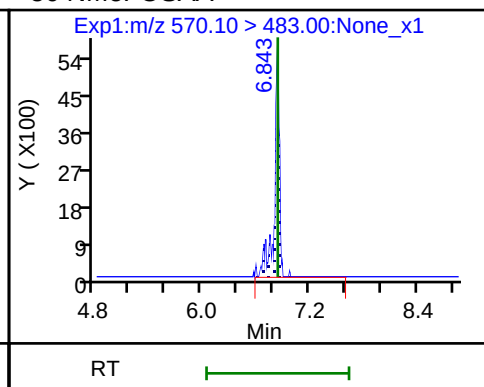
D 49 d3-NMeFOSAA



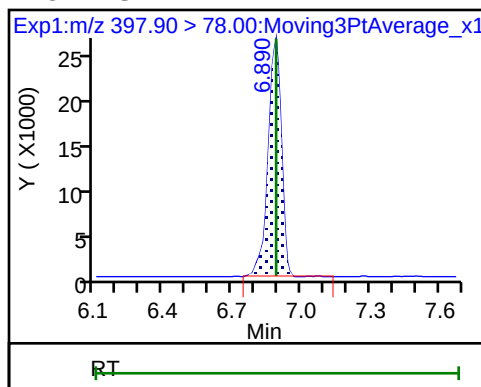
50 NMeFOSAA



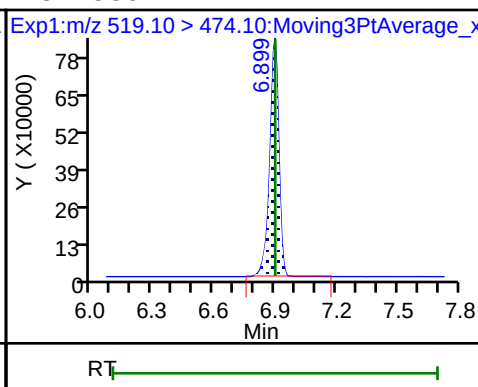
50 NMeFOSAA



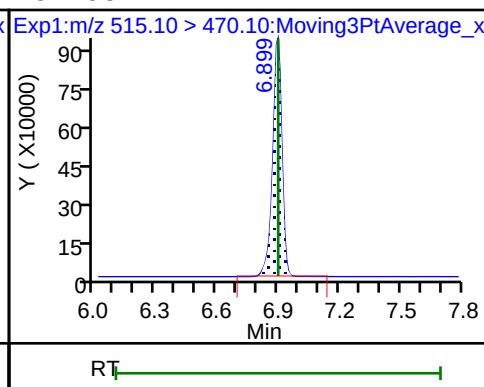
48 FHxSA



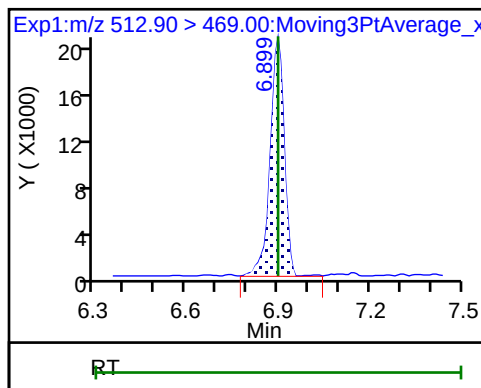
D 52 13C6 PFDA



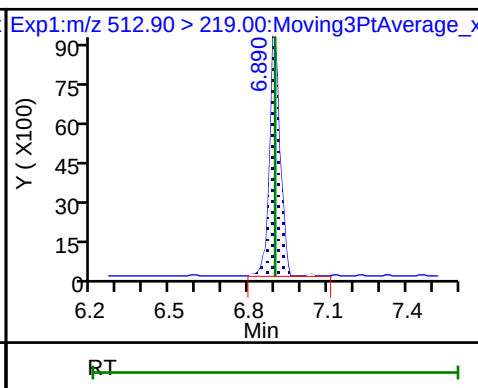
* 51 13C2 PFDA



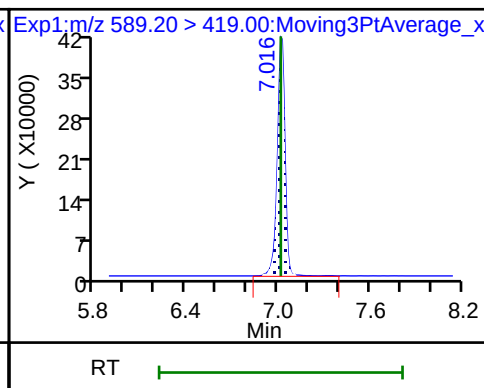
53 PFDA

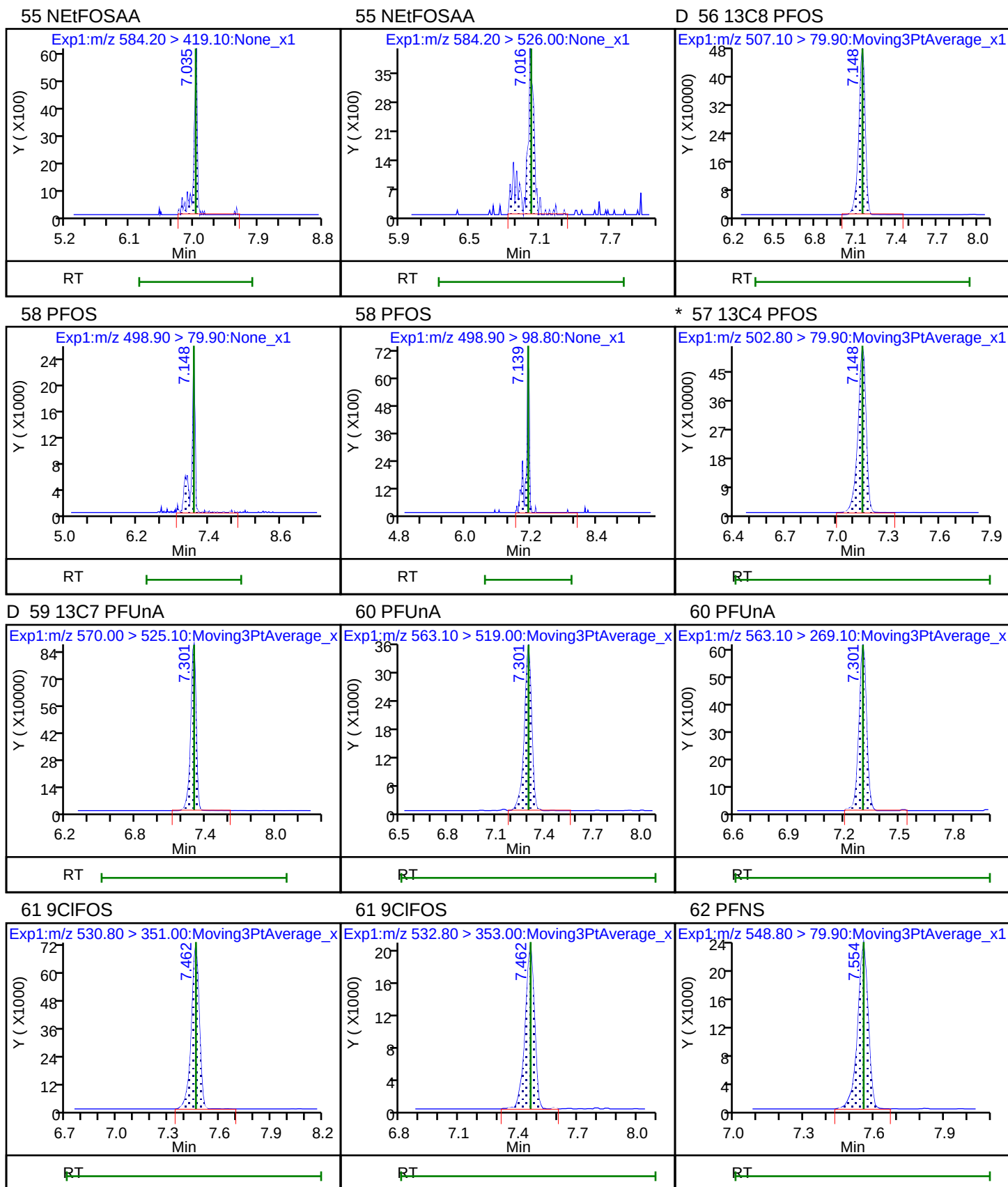


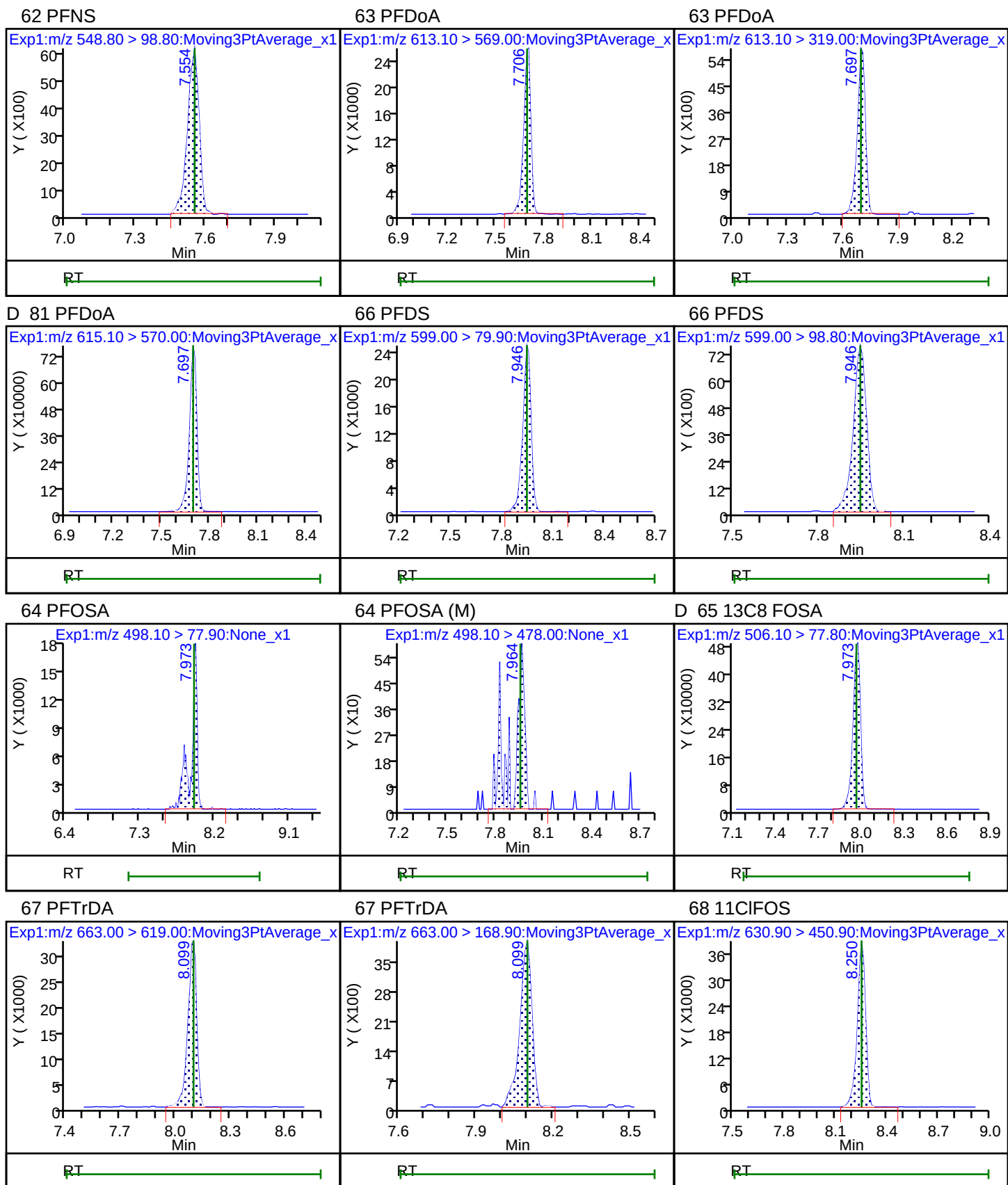
53 PFDA

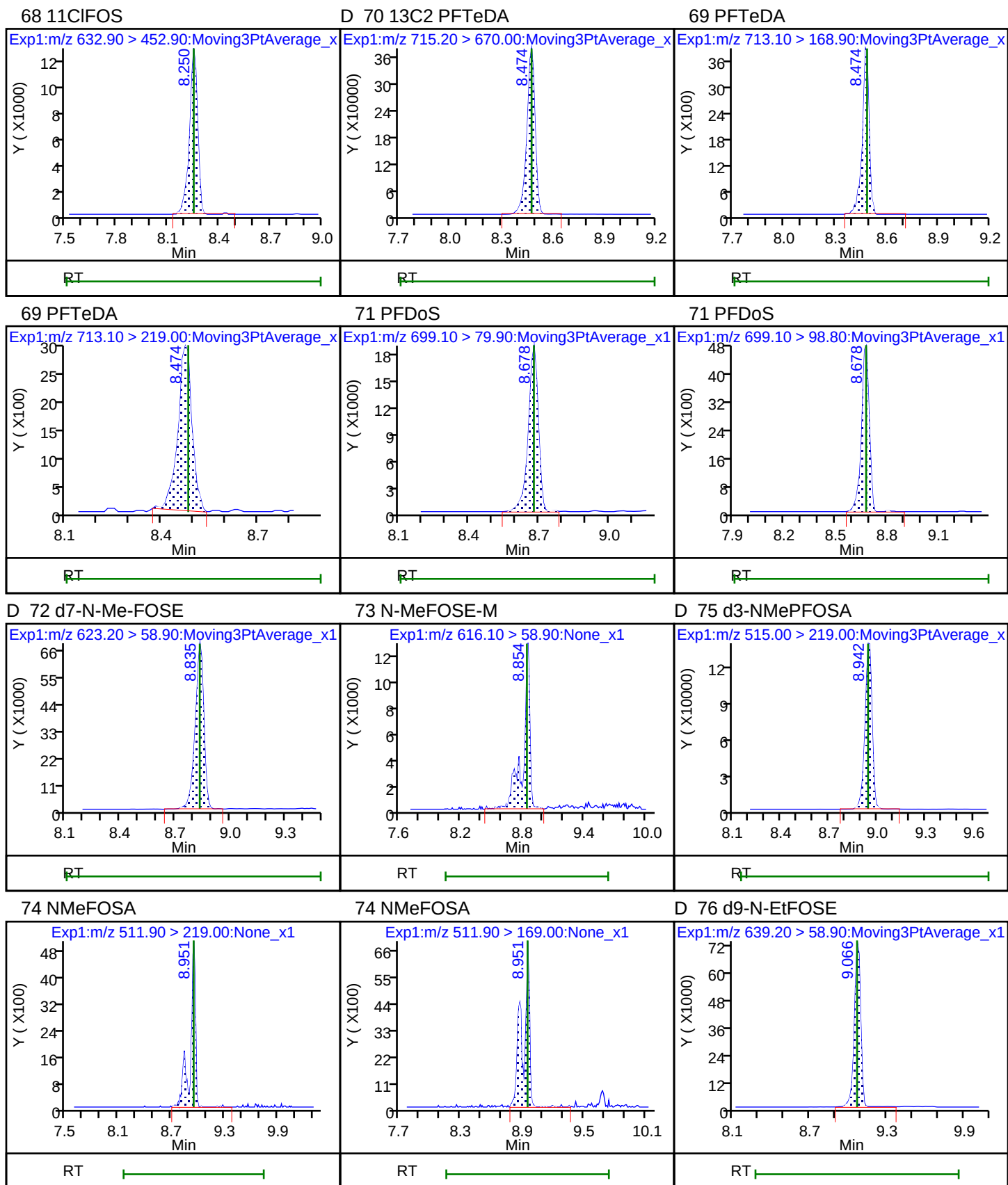


D 54 d5-NEtFOSAA

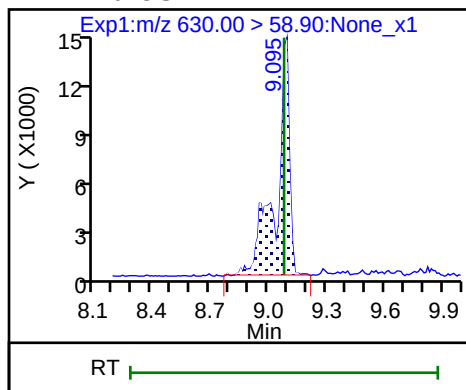




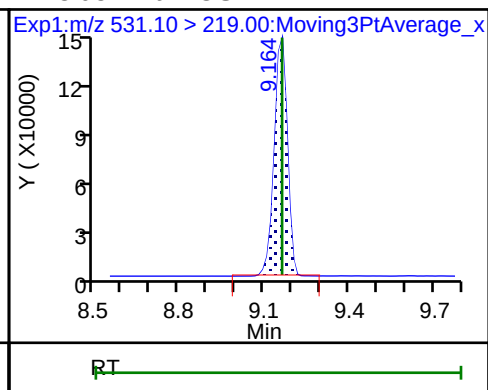




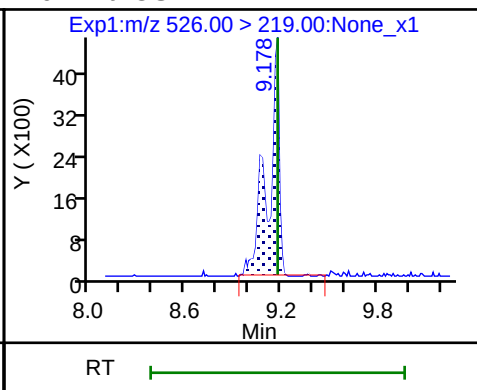
77 N-EtFOSE-M



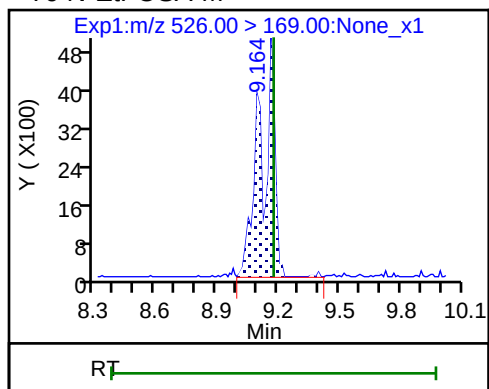
D 78 d5-NEtPFOSA



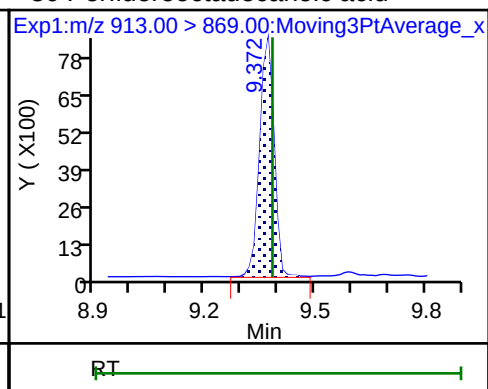
79 N-EtFOSA-M



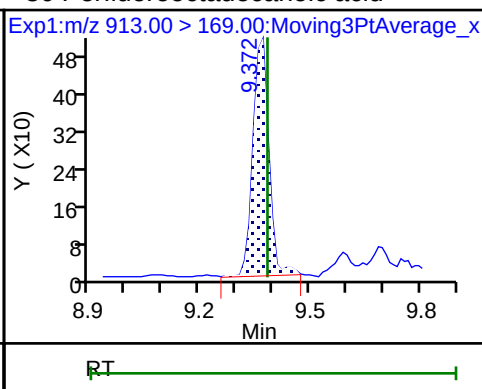
79 N-EtFOSA-M



80 Perfluorooctadecanoic acid



80 Perfluorooctadecanoic acid



Eurofins Lancaster Laboratories Environment Testing, LLC

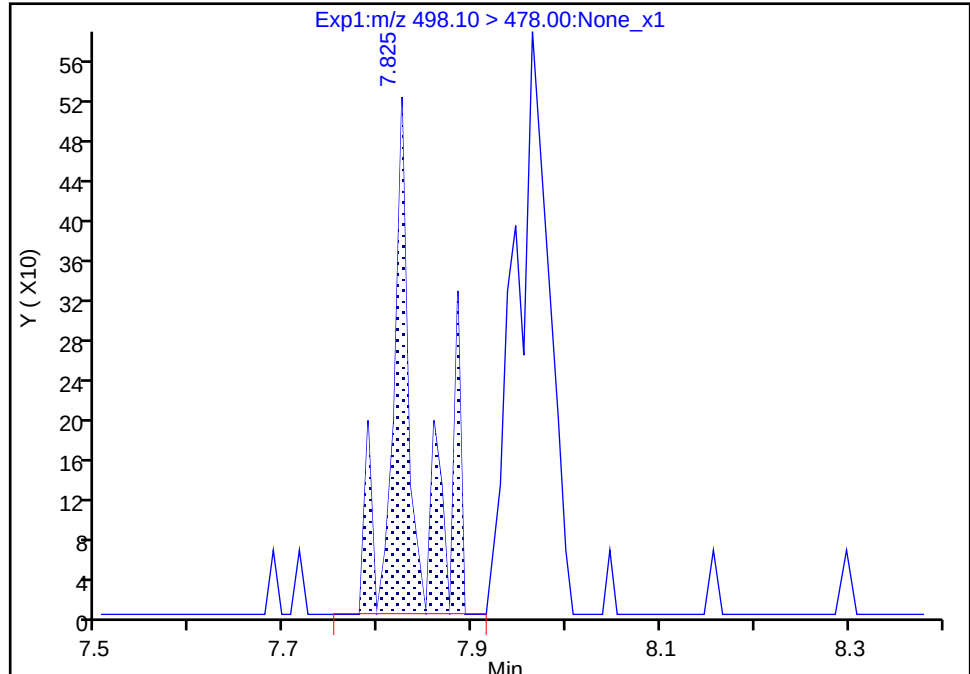
Data File: \\chromfs\Lancaster\ChromData\30577\20251204-168875.b\25DEC04JO-18.d
Injection Date: 04-Dec-2025 22:24:49 Instrument ID: 30577
Lims ID: LLCS 410-737578/12-A
Client ID:
Operator ID: ETUS023_USR_INS00009 ALS Bottle#: 28 Worklist Smp#: 22
Injection Vol: 7.0 ul Dil. Factor: 1.0000
Method: 30577-1633-125 Limit Group: LC - 1633 LVI- ICAL
Column: Detector EXP1

64 PFOSA, CAS: 754-91-6

Signal: 2

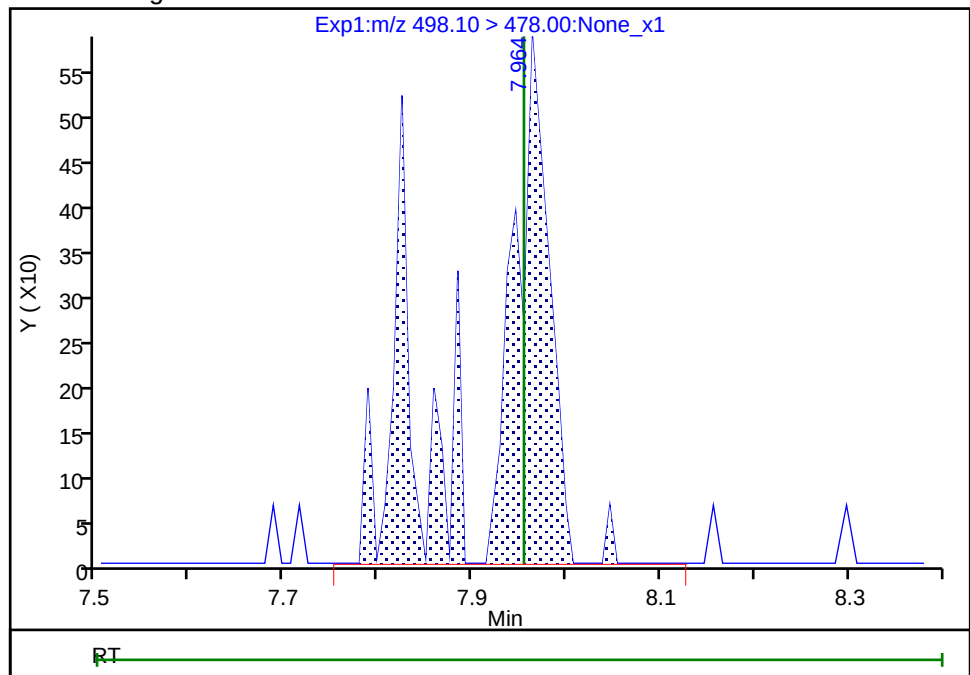
RT: 7.82
Area: 944
Amount: 0.101217
Amount Units: ng/ml

Processing Integration Results



RT: 7.96
Area: 2460
Amount: 0.101217
Amount Units: ng/ml

Manual Integration Results



Reviewer: XBL5, 04-Dec-2025 23:34:19 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-254628-1

SDG No.:

Instrument ID: 30570

Start Date: 11/29/2025 11:15

Analysis Batch Number: 736567

End Date: 11/29/2025 13:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 410-736567/1		11/29/2025 11:15	1	25NOV29CAL-01.d	Gemini C18 50mm 3(mm)
IC 410-736567/2		11/29/2025 11:29	1	25NOV29CAL-02.d	Gemini C18 50mm 3(mm)
IC 410-736567/3		11/29/2025 11:42	1	25NOV29CAL-03.d	Gemini C18 50mm 3(mm)
IC 410-736567/4		11/29/2025 11:56	1	25NOV29CAL-04.d	Gemini C18 50mm 3(mm)
ICISAV 410-736567/5		11/29/2025 12:10	1	25NOV29CAL-05.d	Gemini C18 50mm 3(mm)
IC 410-736567/6		11/29/2025 12:23	1	25NOV29CAL-06.d	Gemini C18 50mm 3(mm)
IC 410-736567/7		11/29/2025 12:37	1	25NOV29CAL-07.d	Gemini C18 50mm 3(mm)
IC 410-736567/8		11/29/2025 12:50	1	25NOV29CAL-08.d	Gemini C18 50mm 3(mm)
ICB 410-736567/9		11/29/2025 13:04	1	25NOV29CAL-09.d	Gemini C18 50mm 3(mm)
ICV 410-736567/10		11/29/2025 13:18	1	25NOV29CAL-10.d	Gemini C18 50mm 3(mm)
WDM 410-736567/11		11/29/2025 13:31	1	25NOV29CAL-11.d	Gemini C18 50mm 3(mm)

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-254628-1

SDG No.:

Instrument ID: 30570

Start Date: 12/01/2025 10:14

Analysis Batch Number: 737075

End Date: 12/02/2025 10:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVO 410-737075/1		12/01/2025 10:14	1	25DEC01-01.d	Gemini C18 50mm 3(mm)
CCV 410-737075/2		12/01/2025 10:55	1	25DEC01-02.d	Gemini C18 50mm 3(mm)
CCB 410-737075/3		12/01/2025 11:08	1	25DEC01-03.d	Gemini C18 50mm 3(mm)
WDM 410-737075/4		12/01/2025 11:22	1	25DEC01-04.d	Gemini C18 50mm 3(mm)
ZZZZZ (QC)		12/01/2025 16:54	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		12/01/2025 17:07	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		12/01/2025 17:21	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		12/01/2025 17:35	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/01/2025 17:48	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/01/2025 18:02	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/01/2025 18:15	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/01/2025 18:29	1		Gemini C18 50mm 3(mm)
MB 410-736383/7-A		12/01/2025 18:43	1	25DEC01E-13.d	Gemini C18 50mm 3(mm)
LCS 410-736383/8-A		12/01/2025 18:56	1	25DEC01E-14.d	Gemini C18 50mm 3(mm)
LLCS 410-736383/9-A		12/01/2025 19:10	1	25DEC01E-15.d	Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/01/2025 19:23	1		Gemini C18 50mm 3(mm)
410-254628-1	MH-11212025	12/01/2025 19:37	1	25DEC01E-17.d	Gemini C18 50mm 3(mm)
CCV 410-737075/76		12/01/2025 19:51	1	25DEC01E-18.d	Gemini C18 50mm 3(mm)
CCB 410-737075/60		12/01/2025 20:04	1	25DEC01E-19.d	Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/01/2025 20:18	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/01/2025 20:31	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/01/2025 20:45	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/01/2025 20:59	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/01/2025 21:12	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/01/2025 21:26	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/01/2025 21:39	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/01/2025 21:53	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/01/2025 22:07	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/01/2025 22:20	1		Gemini C18 50mm 3(mm)
CCV 410-737075/77		12/01/2025 22:34	1	25DEC01E-30.d	Gemini C18 50mm 3(mm)
CCB 410-737075/61		12/01/2025 22:47	1	25DEC01E-31.d	Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/01/2025 23:01	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/01/2025 23:15	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		12/01/2025 23:28	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		12/01/2025 23:42	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/01/2025 23:55	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 00:09	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 00:23	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 00:36	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 00:50	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 01:03	1		Gemini C18 50mm 3(mm)
CCV 410-737075/78		12/02/2025 01:17	1	25DEC01E-42.d	Gemini C18 50mm 3(mm)
CCB 410-737075/62		12/02/2025 01:30	1	25DEC01E-43.d	Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 01:44	1		Gemini C18 50mm 3(mm)

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-254628-1

SDG No.:

Instrument ID: 30570

Start Date: 12/01/2025 10:14

Analysis Batch Number: 737075

End Date: 12/02/2025 10:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ (Client)		12/02/2025 01:58	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 02:11	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 02:25	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 02:38	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 02:52	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 03:06	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 03:19	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 03:33	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 03:46	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 04:00	1		Gemini C18 50mm 3(mm)
CCV 410-737075/79		12/02/2025 04:14	1		Gemini C18 50mm 3(mm)
CCB 410-737075/75		12/02/2025 04:27	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		12/02/2025 04:41	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		12/02/2025 04:54	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		12/02/2025 05:08	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		12/02/2025 05:22	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 05:35	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 05:49	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 06:02	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 06:16	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 06:30	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 06:43	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 06:57	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 07:10	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 07:24	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 07:38	1		Gemini C18 50mm 3(mm)
CCV 410-737075/115		12/02/2025 07:51	1		Gemini C18 50mm 3(mm)
CCB 410-737075/116		12/02/2025 08:05	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 08:19	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 08:32	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 08:46	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 08:59	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 09:13	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		12/02/2025 09:26	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		12/02/2025 09:40	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 09:54	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 10:07	1		Gemini C18 50mm 3(mm)
CCV 410-737075/117		12/02/2025 10:21	1		Gemini C18 50mm 3(mm)
CCB 410-737075/118		12/02/2025 10:35	1		Gemini C18 50mm 3(mm)

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-254628-1

SDG No.:

Instrument ID: 30570

Start Date: 12/02/2025 11:43

Analysis Batch Number: 737660

End Date: 12/03/2025 13:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVO 410-737660/1		12/02/2025 11:43	1	25DEC02-01.d	Gemini C18 50mm 3(mm)
CCV 410-737660/2		12/02/2025 12:23	1		Gemini C18 50mm 3(mm)
CCB 410-737660/3		12/02/2025 12:37	1		Gemini C18 50mm 3(mm)
WDM 410-737660/4		12/02/2025 12:51	1	25DEC02-04.d	Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 16:01	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 16:15	1		Gemini C18 50mm 3(mm)
CCV 410-737660/110		12/02/2025 16:28	1		Gemini C18 50mm 3(mm)
CCB 410-737660/111		12/02/2025 16:42	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 21:11	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 21:24	10		Gemini C18 50mm 3(mm)
CCV 410-737660/125		12/02/2025 22:46	1	25Dec02-32.d	Gemini C18 50mm 3(mm)
CCB 410-737660/126		12/02/2025 23:00	1	25Dec02-33.d	Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 23:13	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/02/2025 23:27	1		Gemini C18 50mm 3(mm)
410-254628-1 RA	MH-11212025 RA	12/03/2025 00:21	1	25Dec02-39.d	Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/03/2025 00:35	10		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/03/2025 00:48	10		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/03/2025 01:02	1		Gemini C18 50mm 3(mm)
CCV 410-737660/135		12/03/2025 01:16	1	25Dec02-44.d	Gemini C18 50mm 3(mm)
CCB 410-737660/136		12/03/2025 01:29	1	25Dec02-45.d	Gemini C18 50mm 3(mm)
WDM 410-737660/139		12/03/2025 01:43	1		Gemini C18 50mm 3(mm)
CCVO 410-737660/138		12/03/2025 01:57	1		Gemini C18 50mm 3(mm)
CCV 410-737660/187		12/03/2025 04:26	1		Gemini C18 50mm 3(mm)
CCB 410-737660/188		12/03/2025 04:40	1		Gemini C18 50mm 3(mm)
CCV 410-737660/189		12/03/2025 07:09	1		Gemini C18 50mm 3(mm)
CCB 410-737660/190		12/03/2025 07:23	1		Gemini C18 50mm 3(mm)
WDM 410-737660/191		12/03/2025 07:36	1		Gemini C18 50mm 3(mm)
CCVO 410-737660/192		12/03/2025 07:50	1		Gemini C18 50mm 3(mm)
CCV 410-737660/193		12/03/2025 10:33	1		Gemini C18 50mm 3(mm)
CCB 410-737660/194		12/03/2025 10:47	1		Gemini C18 50mm 3(mm)
CCV 410-737660/195		12/03/2025 13:17	1		Gemini C18 50mm 3(mm)
CCB 410-737660/196		12/03/2025 13:30	1		Gemini C18 50mm 3(mm)

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-254628-1

SDG No.:

Instrument ID: 30577

Start Date: 12/03/2025 15:58

Analysis Batch Number: 738495

End Date: 12/03/2025 18:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 410-738495/1		12/03/2025 15:58	1	25DEC03CAL-01.d	Gemini C18 50mm 3(mm)
IC 410-738495/2		12/03/2025 16:11	1	25DEC03CAL-02.d	Gemini C18 50mm 3(mm)
IC 410-738495/3		12/03/2025 16:25	1	25DEC03CAL-03.d	Gemini C18 50mm 3(mm)
IC 410-738495/4		12/03/2025 16:39	1	25DEC03CAL-04.d	Gemini C18 50mm 3(mm)
ICISAV 410-738495/5		12/03/2025 16:52	1	25DEC03CAL-05.d	Gemini C18 50mm 3(mm)
IC 410-738495/6		12/03/2025 17:06	1	25DEC03CAL-06.d	Gemini C18 50mm 3(mm)
IC 410-738495/7		12/03/2025 17:19	1	25DEC03CAL-07.d	Gemini C18 50mm 3(mm)
IC 410-738495/8		12/03/2025 17:33	1	25DEC03CAL-08.d	Gemini C18 50mm 3(mm)
ICB 410-738495/9		12/03/2025 17:47	1	25DEC03CAL-09.d	Gemini C18 50mm 3(mm)
ICV 410-738495/10		12/03/2025 18:00	1	25DEC03CAL-10.d	Gemini C18 50mm 3(mm)
WDM 410-738495/11		12/03/2025 18:14	1	25DEC03CAL-11.d	Gemini C18 50mm 3(mm)

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-254628-1

SDG No.:

Instrument ID: 30577

Start Date: 12/04/2025 15:59

Analysis Batch Number: 739075

End Date: 12/05/2025 09:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVO 410-739075/1		12/04/2025 15:59	1	25DEC04-01.d	Gemini C18 50mm 3(mm)
CCV 410-739075/2		12/04/2025 16:12	1		Gemini C18 50mm 3(mm)
CCB 410-739075/3		12/04/2025 16:26	1		Gemini C18 50mm 3(mm)
WDM 410-739075/4		12/04/2025 16:39	1	25DEC04-04.d	Gemini C18 50mm 3(mm)
ZZZZZ (QC)		12/04/2025 18:01	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		12/04/2025 18:15	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		12/04/2025 18:28	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		12/04/2025 18:42	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/04/2025 18:55	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/04/2025 19:09	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		12/04/2025 19:50	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		12/04/2025 20:03	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		12/04/2025 20:17	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		12/04/2025 20:30	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/04/2025 20:44	1		Gemini C18 50mm 3(mm)
CCV 410-739075/18		12/04/2025 20:58	1	25DEC04JO-14.d	Gemini C18 50mm 3(mm)
CCB 410-739075/19		12/04/2025 21:11	1	25DEC04JO-15.d	Gemini C18 50mm 3(mm)
MB 410-737578/10-A		12/04/2025 21:57	1	25DEC04JO-16.d	Gemini C18 50mm 3(mm)
LCS 410-737578/11-A		12/04/2025 22:11	1	25DEC04JO-17.d	Gemini C18 50mm 3(mm)
LLCS 410-737578/12-A		12/04/2025 22:24	1	25DEC04JO-18.d	Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/04/2025 22:38	1		Gemini C18 50mm 3(mm)
CCV 410-739075/24		12/04/2025 22:52	1	25DEC04JO-20.d	Gemini C18 50mm 3(mm)
CCB 410-739075/25		12/04/2025 23:05	1	25DEC04JO-21.d	Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/04/2025 23:19	10		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/04/2025 23:32	10		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/04/2025 23:46	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/04/2025 23:59	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/05/2025 00:13	1		Gemini C18 50mm 3(mm)
410-254628-1 RE	MH-11212025 RE	12/05/2025 00:27	1	25DEC04JO-27.d	Gemini C18 50mm 3(mm)
ZZZZZ (QC)		12/05/2025 00:40	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		12/05/2025 00:54	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		12/05/2025 01:07	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		12/05/2025 01:21	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/05/2025 01:35	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/05/2025 01:48	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/05/2025 02:02	1		Gemini C18 50mm 3(mm)
CCV 410-739075/31		12/05/2025 02:15	1	25DEC04JO-35.d	Gemini C18 50mm 3(mm)
CCB 410-739075/32		12/05/2025 02:29	1	25DEC04JO-36.d	Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/05/2025 02:43	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		12/05/2025 02:56	1		Gemini C18 50mm 3(mm)
ZZZZZ (QC)		12/05/2025 03:10	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/05/2025 03:23	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/05/2025 03:37	1		Gemini C18 50mm 3(mm)
ZZZZZ (Client)		12/05/2025 03:51	1		Gemini C18 50mm 3(mm)

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-254628-1

SDG No.:

Instrument ID: 30577

Start Date: 12/04/2025 15:59

Analysis Batch Number: 739075

End Date: 12/05/2025 09:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ (Client)		12/05/2025 04:04	1		Gemini C18 50mm 3 (mm)
ZZZZZ (Client)		12/05/2025 04:18	1		Gemini C18 50mm 3 (mm)
ZZZZZ (Client)		12/05/2025 04:31	1		Gemini C18 50mm 3 (mm)
ZZZZZ (Client)		12/05/2025 04:45	1		Gemini C18 50mm 3 (mm)
ZZZZZ (Client)		12/05/2025 04:59	1		Gemini C18 50mm 3 (mm)
ZZZZZ (Client)		12/05/2025 05:12	1		Gemini C18 50mm 3 (mm)
CCV 410-739075/52		12/05/2025 05:26	1	25DEC04JO-49.d	Gemini C18 50mm 3 (mm)
CCB 410-739075/53		12/05/2025 05:39	1	25DEC04JO-50.d	Gemini C18 50mm 3 (mm)
ZZZZZ (Client)		12/05/2025 05:53	1		Gemini C18 50mm 3 (mm)
ZZZZZ (Client)		12/05/2025 06:07	1		Gemini C18 50mm 3 (mm)
ZZZZZ (Client)		12/05/2025 06:20	1		Gemini C18 50mm 3 (mm)
ZZZZZ (Client)		12/05/2025 06:34	1		Gemini C18 50mm 3 (mm)
ZZZZZ (Client)		12/05/2025 06:47	1		Gemini C18 50mm 3 (mm)
ZZZZZ (Client)		12/05/2025 07:01	1		Gemini C18 50mm 3 (mm)
ZZZZZ (Client)		12/05/2025 07:15	10		Gemini C18 50mm 3 (mm)
ZZZZZ (Client)		12/05/2025 07:28	10		Gemini C18 50mm 3 (mm)
ZZZZZ (Client)		12/05/2025 07:42	10		Gemini C18 50mm 3 (mm)
CCV 410-739075/54		12/05/2025 07:55	1		Gemini C18 50mm 3 (mm)
CCB 410-739075/55		12/05/2025 08:09	1		Gemini C18 50mm 3 (mm)
ZZZZZ (Client)		12/05/2025 08:36	1		Gemini C18 50mm 3 (mm)
CCV 410-739075/68		12/05/2025 08:50	1		Gemini C18 50mm 3 (mm)
CCB 410-739075/67		12/05/2025 09:03	1		Gemini C18 50mm 3 (mm)

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-254628-1

SDG No.: _____

Batch Number: 736383 Batch Start Date: 11/27/25 11:19 Batch Analyst: Vandzura, Laura

Batch Method: 1633 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	AdjustedpH
MB 410-736383/7		1633, 1633			150.00 g	25.00 g	125 mL	5 mL	7.0 SU	6.0 SU
LCS 410-736383/8		1633, 1633			150.00 g	25.00 g	125 mL	5 mL	7.0 SU	6.0 SU
LLCS 410-736383/9		1633, 1633			150.00 g	25.00 g	125 mL	5 mL	7.0 SU	6.0 SU
410-254628-A-1	MH-11212025	1633, 1633	Water	T	168.67 g	34.64 g	134 mL	5 mL	4.0 SU	6.0 SU

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	3%NH4OHamt	30%NH4OHamt	5%FormicAmt	CalcMsg	TSS Assessment	1633_125_MS_L 00117
MB 410-736383/7		1633, 1633					1 drops	OK	y	
LCS 410-736383/8		1633, 1633					1 drops	OK	y	
LLCS 410-736383/9		1633, 1633					1 drops	OK	y	40 uL
410-254628-A-1	MH-11212025	1633, 1633	Water	T	10 drops	1 drops		OK	y	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	1633_125_MS_M 00137	1633_125_SS 00195	AnalysisComment			
MB 410-736383/7		1633, 1633				25 uL	PC 31 port 7			
LCS 410-736383/8		1633, 1633			50 uL	25 uL				
LLCS 410-736383/9		1633, 1633				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.: 410-254628-1

SDG No.: _____

Batch Number: 736383 Batch Start Date: 11/27/25 11:19 Batch Analyst: Vandzura, Laura

Batch Method: 1633 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	1633_125_MS_M 00137	1633_125_SS 00195	AnalysisComment			
410-254628-A-1	MH-11212025	1633, 1633	Water	T		25 uL	subsampling required (teflon cap), particulate, discolored, cartridge clogged and a 2nd cartridge was made & clogged. extraction was cut without all sample going through. cartridges were combined and blown down. recoveries may be low and RX may be needed			

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.: 410-254628-1

SDG No.: _____

Batch Number: 736383 Batch Start Date: 11/27/25 11:19 Batch Analyst: Vandzura, Laura

Batch Method: 1633 Batch End Date: _____

Batch Notes	
95:5 Methanol Milli-Q Water ID	10664111232533A
Extraction Filter ID #	330040172, 2509290523
pH Indicator ID	20BDH21251
Manifold ID	PC 31, 32, 33, manifold 16
SPE Cartridge Type	WAX 200mg
SPE Cartridge Lot ID	S25-003525, S25-003528
Balance ID	C448142515
Pipette/Syringe/Dispenser ID	PFAS 16, 20, p10-1
Pipette Tip Lot ID	N2174580
Transfer Pipette Lot #	25320343
H2O ID	House A372
Solvent Name	1% NH4OH:MeOH
Solvent Lot #	11757011172533A, 11757010302533A
Rinse Solvent Name	30:70 MeOH:MQ
Rinse Solvent Lot	11427011202533A
5% Formic Acid Reagent ID	10774111122533B
50% Formic Acid Reagent ID	11427008252533A
3% NH4OH Reagent ID	11427009022533C
30% NH4OH Reagent ID	2024121102
SPE Cartridge Conditioner #1 ID	11757011142533B
SPE Cartridge Conditioner #2 ID	11427011202533A
Analyst ID - Reagent Drop	LV114270
Analyst ID - IS Reagent Drop	EBG 20094
Centrifuge Tube ID	20250221-058
QC Bottle Lot ID	0420501K
Carbon ID	H02427
Pipette ID	P1000-11
Vial Lot Number	8000052788
Caps	00365930

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.: 410-254628-1

SDG No.: _____

Batch Number: 736383 Batch Start Date: 11/27/25 11:19 Batch Analyst: Vandzura, Laura

Batch Method: 1633 Batch End Date: _____

Tube Check	LV114270
P1000 Tip ID	5G0311F
Analyst ID - Label Check	LV114270
Drip Rate Assessment (Y/N)	Yes
Batch Comment	Unviald extracts stored in the A374 1633 storage fridge, LV114270 11/27/25 Styrofoam

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.

1633

Page 4 of 4

Q3706

Page 819 of 829

12/10/2025
821 of 834

PFAS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-254628-1

SDG No.: _____

Batch Number: 736567 Batch Start Date: 11/29/25 11:15 Batch Analyst: Coble, Jack

Batch Method: 1633 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	1633_125_CAL1 00072	1633_125_CAL2 00034	1633_125_CAL3 00034	1633_125_CAL4 00077	1633_125_CAL5 00036	1633_125_CAL6 00035
IC 410-736567/1		1633			1 mL					
IC 410-736567/2		1633				1 mL				
IC 410-736567/3		1633					1 mL			
IC 410-736567/4		1633						1 mL		
ICISAV 410-736567/5		1633							1 mL	
IC 410-736567/6		1633								1 mL
IC 410-736567/7		1633								
IC 410-736567/8		1633								
ICB 410-736567/9		1633								
ICV 410-736567/10		1633								
WDM 410-736567/11		1633								

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	1633_125_CAL7 00036	1633_125_CAL8 00032	1633_125_ICV 00032	1633_125_IS 00084	1633_125_SS 00191	1633_125_WDM 00018
IC 410-736567/1		1633								
IC 410-736567/2		1633								
IC 410-736567/3		1633								
IC 410-736567/4		1633								
ICISAV 410-736567/5		1633								
IC 410-736567/6		1633								
IC 410-736567/7		1633			1 mL					
IC 410-736567/8		1633				1 mL				
ICB 410-736567/9		1633						5 uL	5 uL	
ICV 410-736567/10		1633					1 mL			
WDM 410-736567/11		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.: 410-254628-1

SDG No.: _____

Batch Number: 736567 Batch Start Date: 11/29/25 11:15 Batch Analyst: Coble, Jack

Batch Method: 1633 Batch End Date: _____

Batch Notes	
Mobile Phase ID	9271711292533A/25G246018

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.: 410-254628-1

SDG No.: _____

Batch Number: 737578 Batch Start Date: 12/02/25 09:22 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 410-737578/10		1633, 1633			150.0 g	25.0 g	125 mL	5 mL	7.0 SU	6.0 SU
LCS 410-737578/11		1633, 1633			150.0 g	25.0 g	125 mL	5 mL	7.0 SU	6.0 SU
LLCS 410-737578/12		1633, 1633			150.0 g	25.0 g	125 mL	5 mL	7.0 SU	6.0 SU
410-254628-A-1	MH-11212025	1633, 1633	Water	T	33.11 g	20.61 g	12.5 mL	5 mL	5.0 SU	5.5 SU

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	3%NH4OHamt	5%FormicAmt	CalcMsg	TSS Assessment	1633_125_MS_L 00117	1633_125_MS_M 00139
MB 410-737578/10		1633, 1633				1 drops	OK	y		
LCS 410-737578/11		1633, 1633				1 drops	OK	y		50 uL
LLCS 410-737578/12		1633, 1633				1 drops	OK	y	40 uL	
410-254628-A-1	MH-11212025	1633, 1633	Water	T	2 drops		OK	y		

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	1633_125_SS 00197	AnalysisCommen t				
MB 410-737578/10		1633, 1633			25 uL	MB PC 38, Port 2				
LCS 410-737578/11		1633, 1633			25 uL					
LLCS 410-737578/12		1633, 1633			25 uL					
410-254628-A-1	MH-11212025	1633, 1633	Water	T	25 uL	A dilution was made using 12.5mL of sample and was brought to 125mL with MilliQ due to rework comment. Tefoln cap. Particulate, cloudy				

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.: 410-254628-1

SDG No.: _____

Batch Number: 737578 Batch Start Date: 12/02/25 09:22 Batch Analyst: Smith, Carolyn

Batch Method: 1633 Batch End Date: _____

Batch Notes	
95:5 Methanol Milli-Q Water ID	11427012022533A
Extraction Filter ID #	2509290523
pH Indicator ID	20BDH21251
Manifold ID	PC 37,38,39
SPE Cartridge Type	WAX 200mg
SPE Cartridge Lot ID	S25-003525
Balance ID	C447116246
Pipette/Syringe/Dispenser ID	PFAS 16,20
Transfer Pipette Lot #	25320343
H2O ID	HOUSE A372
Solvent Name	1% NH4OH:MeOH
Solvent Lot #	11757011172533A
Rinse Solvent Name	30:70 MeOH:MQ
Rinse Solvent Lot	11757011212533A
5% Formic Acid Reagent ID	10774111122533B
3% NH4OH Reagent ID	11427009022533C
SPE Cartridge Conditioner #1 ID	10217511192533A
SPE Cartridge Conditioner #2 ID	11757011182533A
Analyst ID - Reagent Drop	CMS 107741
Analyst ID - Reagent Drop Witness	BG 120372
Analyst ID - IS Reagent Drop	MCD 101615
Centrifuge Tube ID	20250221-058
QC Bottle Lot ID	0420501K
Carbon ID	H02437
Pipette ID	p1000-7
Vial Lot Number	8000053694
Caps	00365506
Tube Check	AJ 103038
P1000 Tip ID	5G0623F

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.: 410-254628-1

SDG No.: _____

Batch Number: 737578 Batch Start Date: 12/02/25 09:22 Batch Analyst: Smith, Carolyn

Batch Method: 1633 Batch End Date: _____

Analyst ID - Label Check	BG 120372
Drip Rate Assessment (Y/N)	Yes
Batch Comment	extracts in foam tray

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.: 410-254628-1

SDG No.: _____

Batch Number: 738495 Batch Start Date: 12/03/25 15:58 Batch Analyst: Dong, Ruopeng

Batch Method: 1633 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	1633_125_CAL1 00074	1633_125_CAL2 00034	1633_125_CAL3 00034	1633_125_CAL4 00077	1633_125_CAL5 00036	1633_125_CAL6 00035
IC 410-738495/1		1633			1 mL					
IC 410-738495/2		1633				1 mL				
IC 410-738495/3		1633					1 mL			
IC 410-738495/4		1633						1 mL		
ICISAV 410-738495/5		1633							1 mL	
IC 410-738495/6		1633								1 mL
IC 410-738495/7		1633								
IC 410-738495/8		1633								
ICB 410-738495/9		1633								
ICV 410-738495/10		1633								
WDM 410-738495/11		1633								

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	1633_125_CAL7 00036	1633_125_CAL8 00032	1633_125_ICV 00032	1633_125_IS_V 00511	1633_125_SS 00162	1633_125_WDM 00018
IC 410-738495/1		1633								
IC 410-738495/2		1633								
IC 410-738495/3		1633								
IC 410-738495/4		1633								
ICISAV 410-738495/5		1633								
IC 410-738495/6		1633								
IC 410-738495/7		1633			1 mL					
IC 410-738495/8		1633				1 mL				
ICB 410-738495/9		1633						50 uL	5 uL	
ICV 410-738495/10		1633					1 mL			
WDM 410-738495/11		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.: 410-254628-1

SDG No.: _____

Batch Number: 738495 Batch Start Date: 12/03/25 15:58 Batch Analyst: Dong, Ruopeng

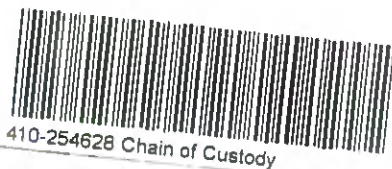
Batch Method: 1633 Batch End Date: _____

Batch Notes	
Mobile Phase ID	2009412032533A/25E0761018

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



284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
WWW.CHEMTECH.NET

Sub Lab INFORMATION	CLIENT PROJECT INFORMATION	CLIENT BILLING INFORMATION
COMPANY : EUROFINS Lancaster Laboratories	ORDER ID : Q3706	BILL TO: CHEMTECH PO# : Q3706
ADDRESS : 2425 New Holland Pike	PROJECT ID:MCUA Permit No 14241 - 571 Jersey Ave NB NJ	ADDRESS : 284, Sheffield Street
CITY:Lancaster State :PA ZIP :17601	PROJECT MANAGER YAZMEEN	CITY: Mountainside State : NJ ZIP : 07092
E-mail :	E-mail : YAZMEEN.GOMEZ@AllianceTG.com	ATTENTION :YAZMEE
PHONE :717-693-5814	PHONE : (908) 789 8900 FAX: (908) 789 8922	PHONE : (908) 789 8900 FAX : (908) 789 8922

EDD : EXCEL NOCLEAN Report : Results Only Comment : nj. grab.

ID	CLIENT SAMPLE IDENTIFICATION	SAMPLE MATRIX	ANALYSIS	Preservative	Method	SAMPLE COLLECTION		# OF BOTTLES	TAT DAYS
						DATE	TIME		
01	MH-11212025	Water	PFAS	Cool 4 deg C	1633	11/21/2025	09:48:00	1	2

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGES POSSESSION INCLUDING COURIER DELIVERY				
RELINQUISHED BY SAMPLER: 1. JT	DATETIME: 11:24-25 1400	RECEIVED BY: ELLET 1. 11/25/25 0900	Conditions of bottles or Coolers at receipt: ☐ Compliant ☐ Non Compliant	Cooler Temp _____ Ice or Cooler? _____ B: 1.9 C: 2.0
RELINQUISHED BY: 2.	DATETIME:	RECEIVED BY: 2.		
RELINQUISHED BY: 3.	DATETIME:	RECEIVED BY: 3.	Page 1 of 1 ☐ OVERNIGHT ☐ OVERNIGHT	Shipment Complete: ☐ YES ☐ NO

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: **Europastay**
ADDRESS: **571 JERSEY AVE**
CITY **New Brunswick** STATE: **NJ** ZIP: **08901**
ATTENTION: **Karin Calucci**
PHONE: **631-563-6262** FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: **UCVA Permit No 14241 - Jersey Ave WB-NJ**
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

TPH, DP, G
BOD5, TSS
Net-Gump 3
COD
PFAS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	MH-11212025	W		X	11-21	0948	11	X	X	X	X	X	X				PH 3.98 / 25.9°C
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1.	DATE/TIME: 0953 11-21-25	RECEIVED BY: 1.	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.9°C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments:
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: 1240 11-21-25	RECEIVED BY: 3.	Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO

Alliance Technical Group, LLC-Newark

284 Sheffield Street, Mountainside, NJ 07092 Tel. 908-789-8900 Fax 908-789-8922

FIELD SAMPLING LOG

Client Name: EUNOPASTAY

Client Address: 571 JERSEY AVE.

Client Rep on Site: KEVIN CARLUCCI

Sampling Date: 11-21-25

Arrival Time: 0930

Departure Time: 0953

Project Name: NEW Permit No. 14211 - Jersey Ave NB-NJ

Project Location: New Brunswick

Cooler Custody Seal: N/A

Temperature Correction Factor (°C): 0

FIELD EQUIPMENT CALIBRATION

pH Calibration (SM4500-H B/9040C)				
Calibration (acceptance criteria ± 0.05 pH unit)				ICV (± 0.1 pH unit)
	7.00 Buffer	4.00 Buffer	10.00 Buffer	7.00 Buffer
	W 3717	W 3178	W 3191	W 3093
Time	0932	0934	0936	0938
Temp °C	21.9	21.6	21.2	21.3
pH	7.02	4.03	10.01	7.01

FIELD EQUIPMENT CALIBRATION

Specific Conductance (mS/cm) (99% -101%)/(mmho/cm) (SM2510 B/120.1/9050A)		
Calibration ($\pm 1\%$) (99% -101%)		ICV ($\pm 1\%$) (99% -101%)
	WP	WP
Time		
Temp °C		
Reading (mS/cm)		

Sampler Signature/Date: 11/21/25

Supervisor Review/Date: _____

Client Name: EURODASTRA

Client Address: 57 JERSEY AVE.

Client Rep on Site: Kevin Carlucci

Sampling Date: 11-21-25

Arrival Time: 0930

Departure Time: 0953

Project Name: MWA Permit No. 14241 - Jersey Ave. NB-RT

Project Location: New Brunswick

Cooler Custody Seal: N/A

Temperature Correction Factor (°C): 0

FIELD SAMPLING INFORMATION

[illegible]

Meter: YSI PRO Quatro, Serial # 25A103198

Sampler Signature/Date:

Supervisor Review/Date: _____

Login Sample Receipt Checklist

Client: Chemtech Consulting Group Inc.

Job Number: 410-254628-1

Login Number: 254628

List Number: 1

Creator: Arroyo, Haley

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

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?	True	
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	